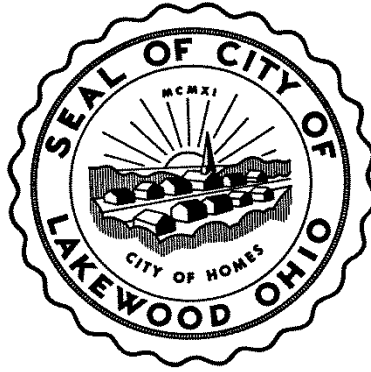




INTEGRATED WET WEATHER IMPROVEMENT PLAN

PHASE 1

BINDER 2

☐ Attachments

- A. Sewer System Maps
- B. Hydraulic Model Technical Memorandum

Attachment A
Sewer System Maps

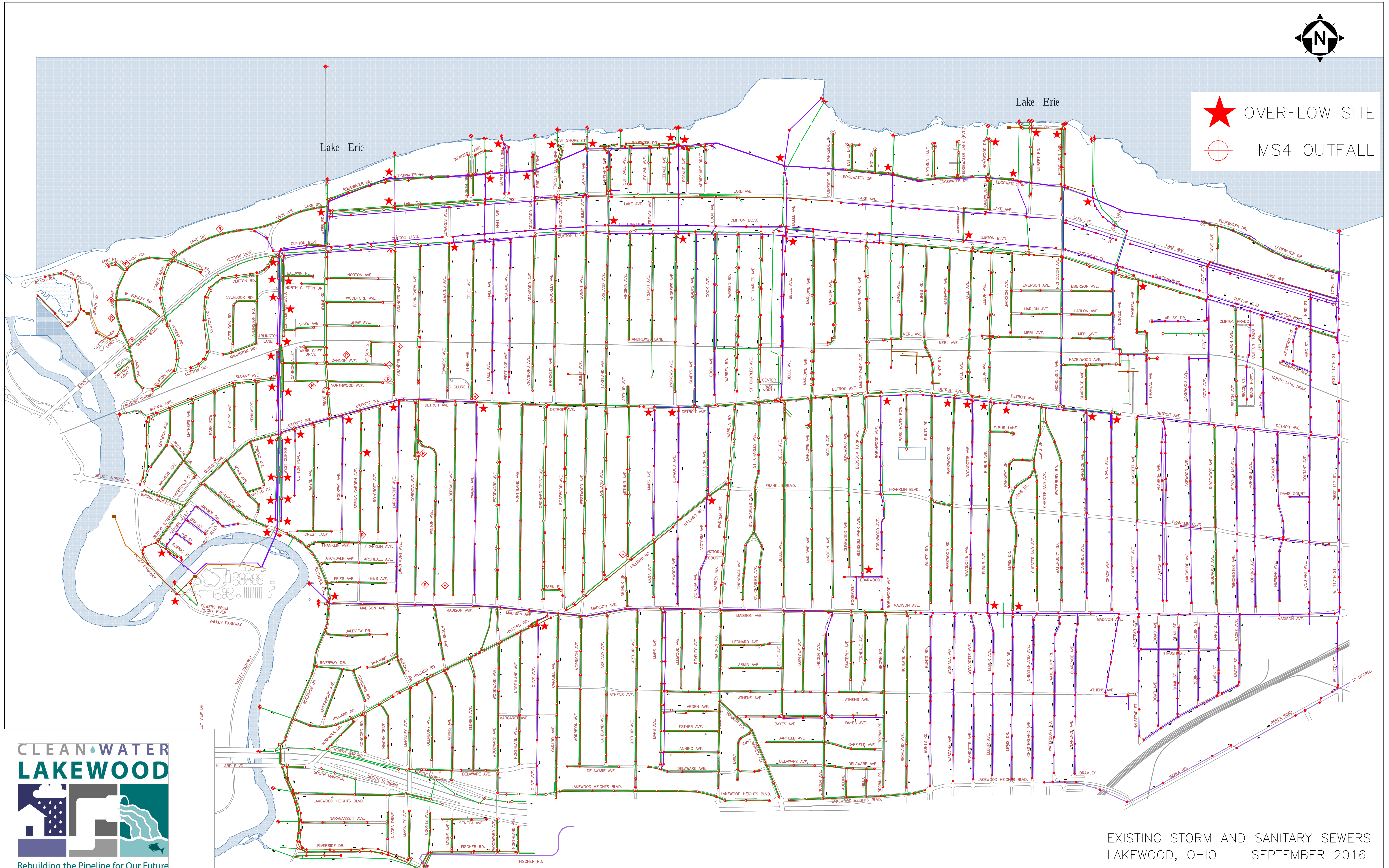
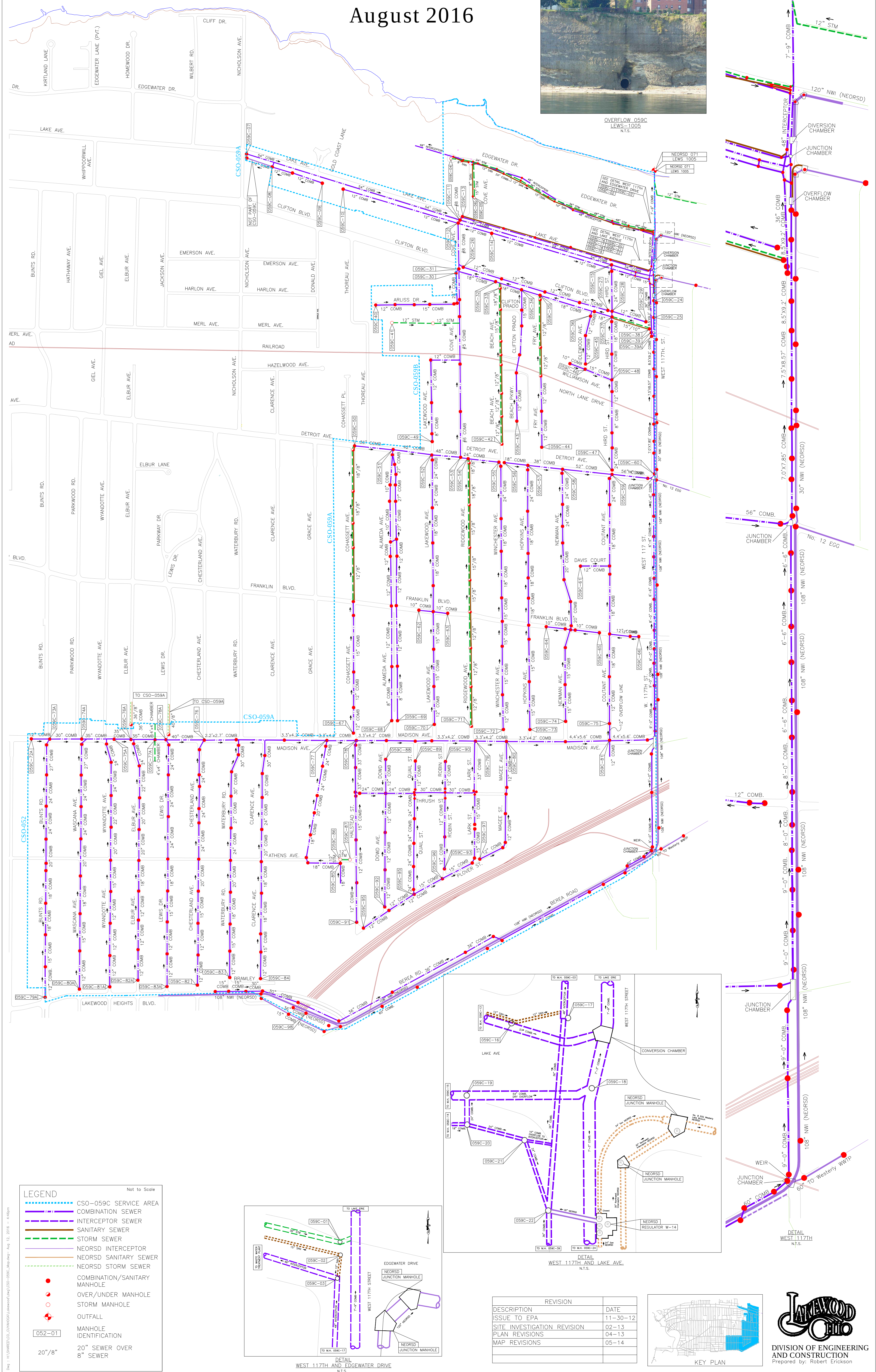


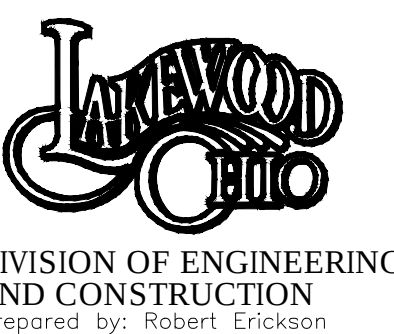
Figure 3-4

Lakewood Storm and Sanitary Sewer System Including Outfall LEWS1005

August 2016

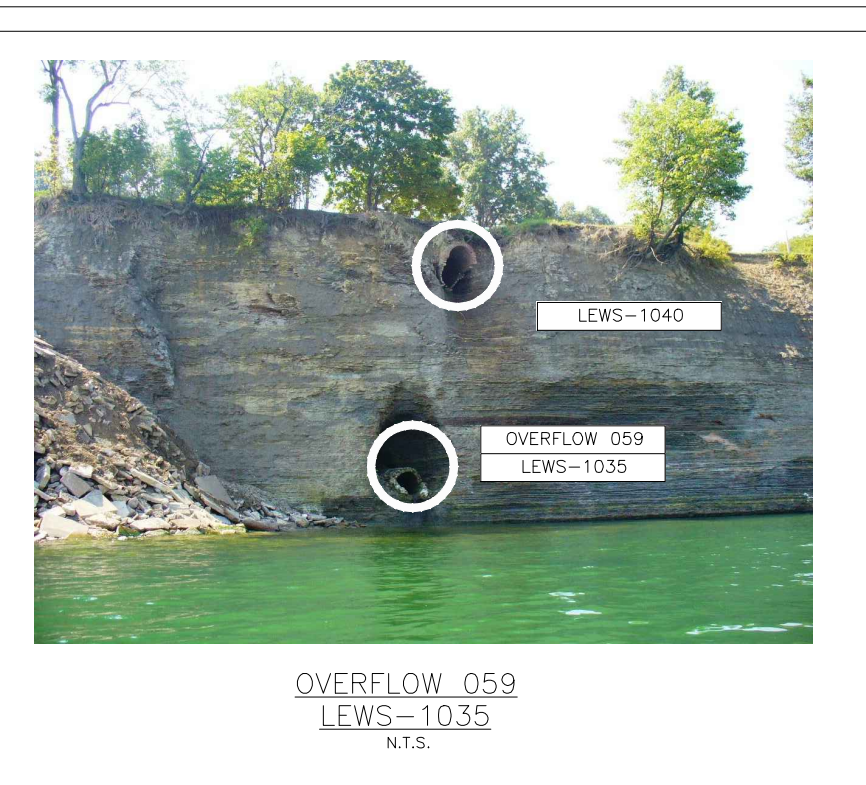
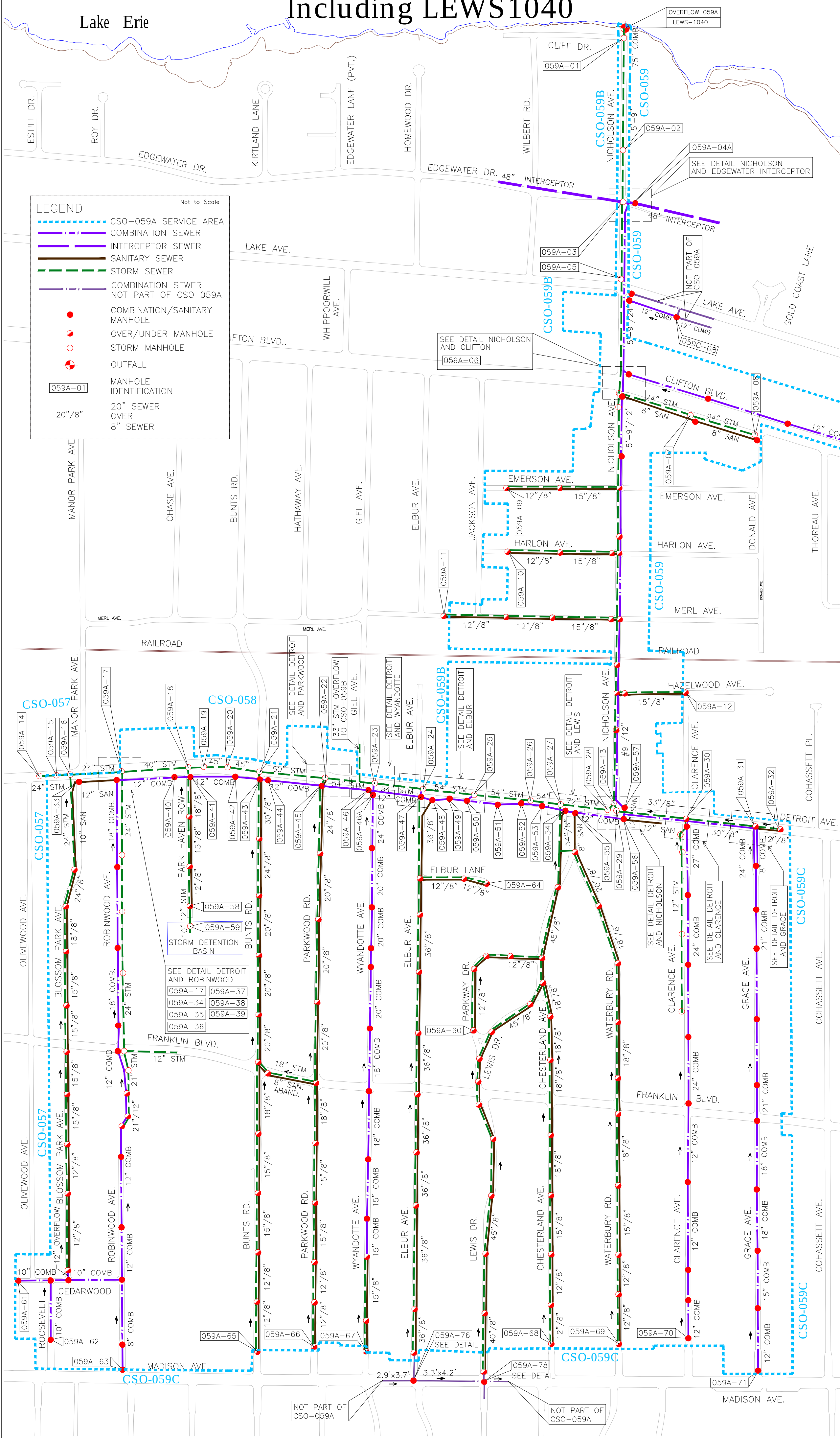


August 2016

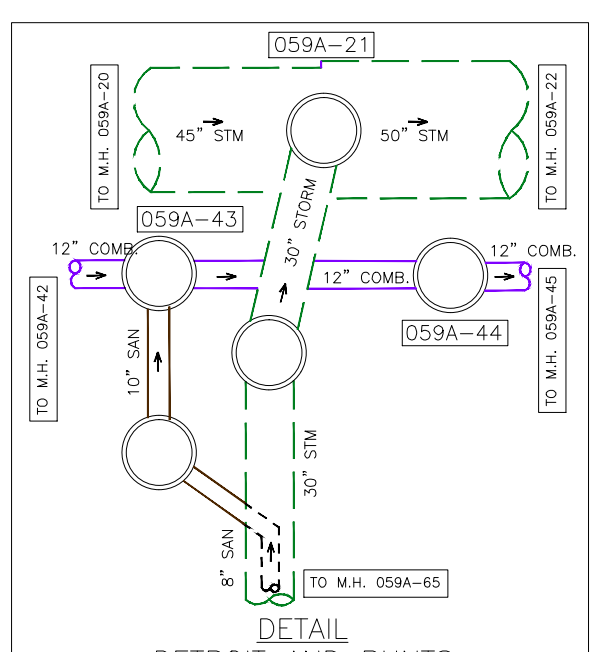
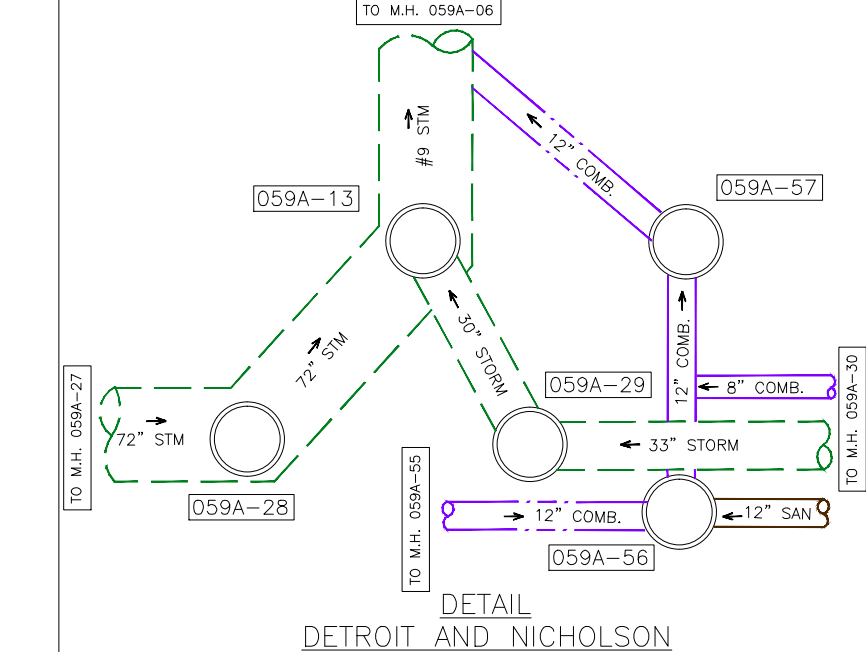
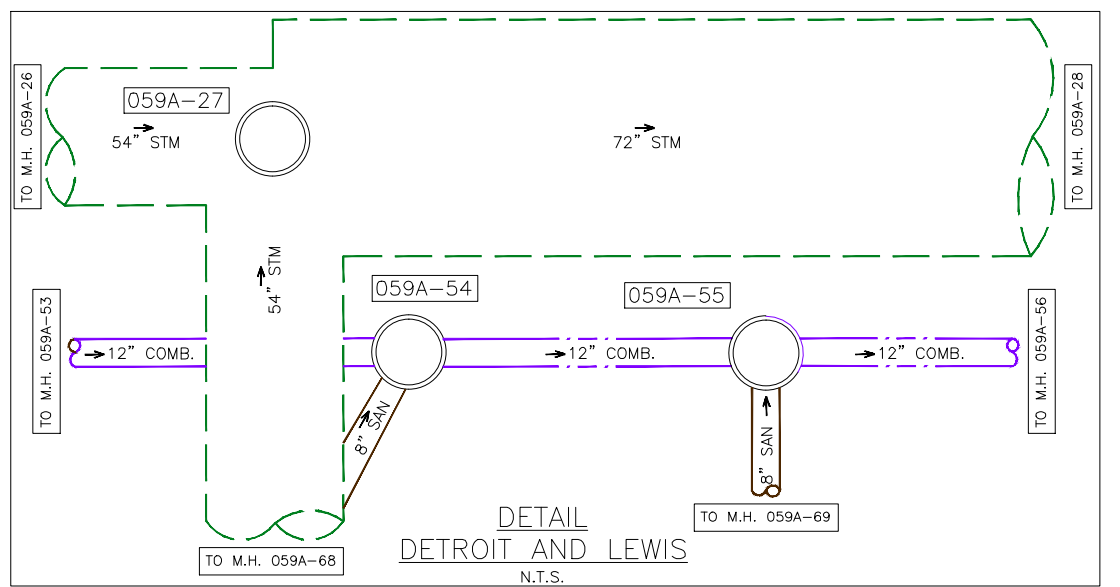
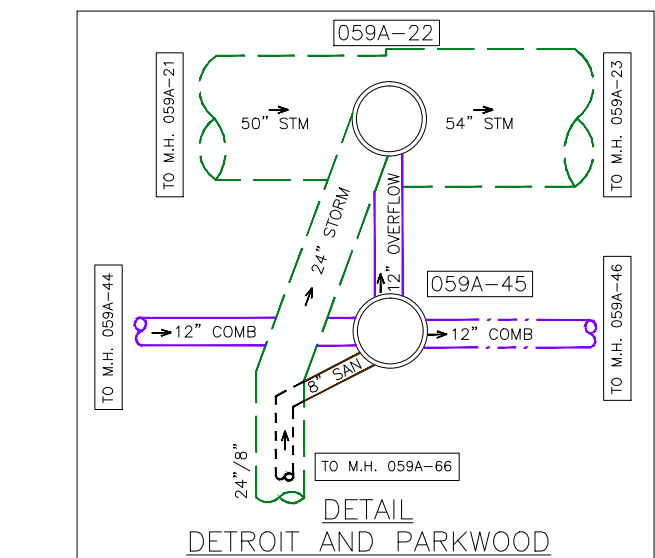
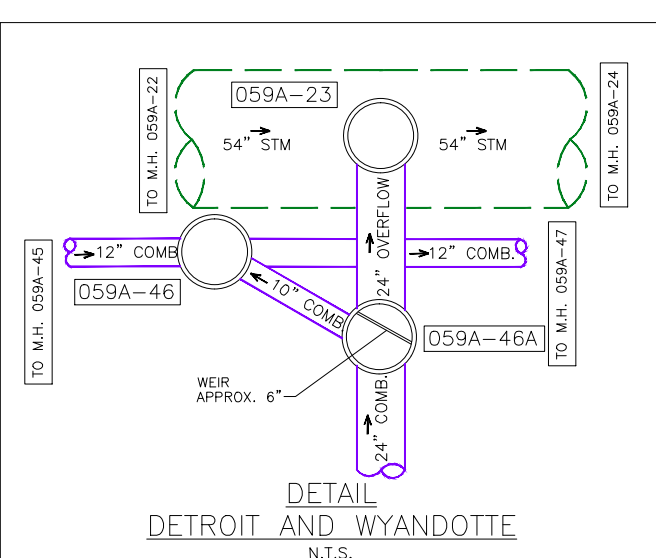
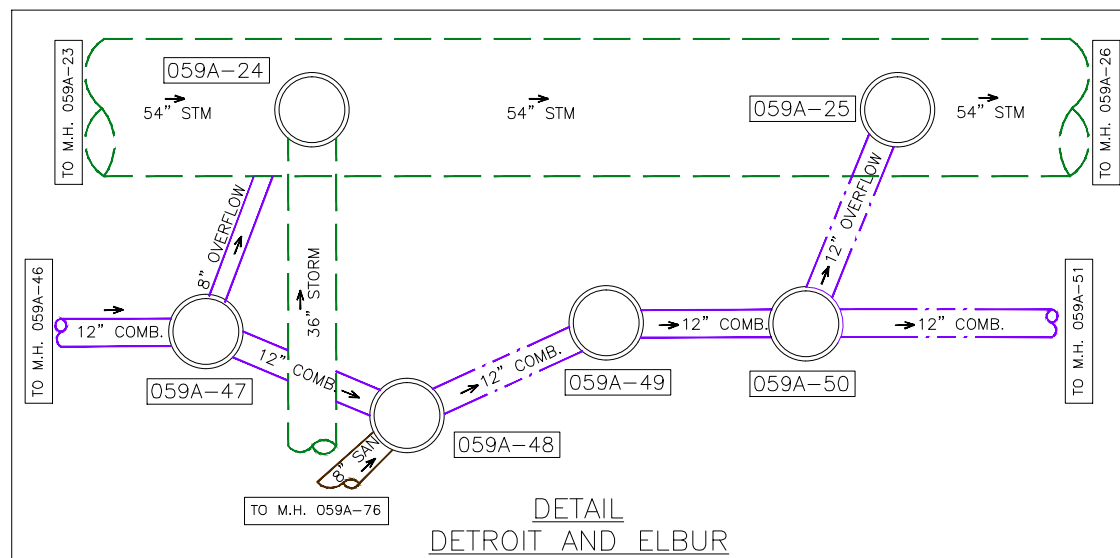
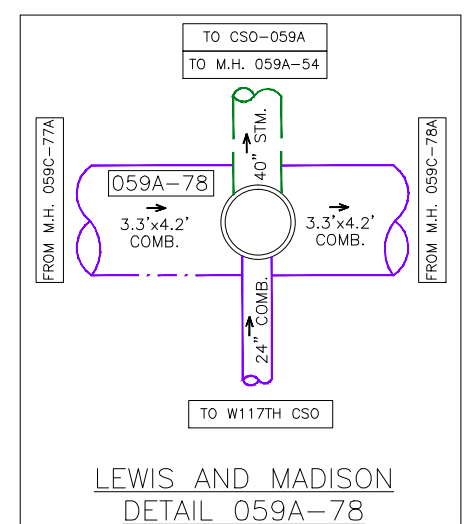
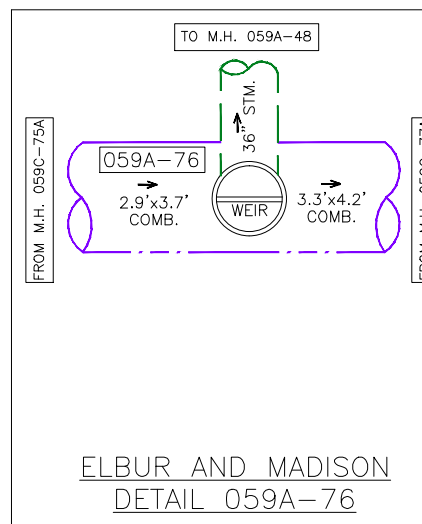
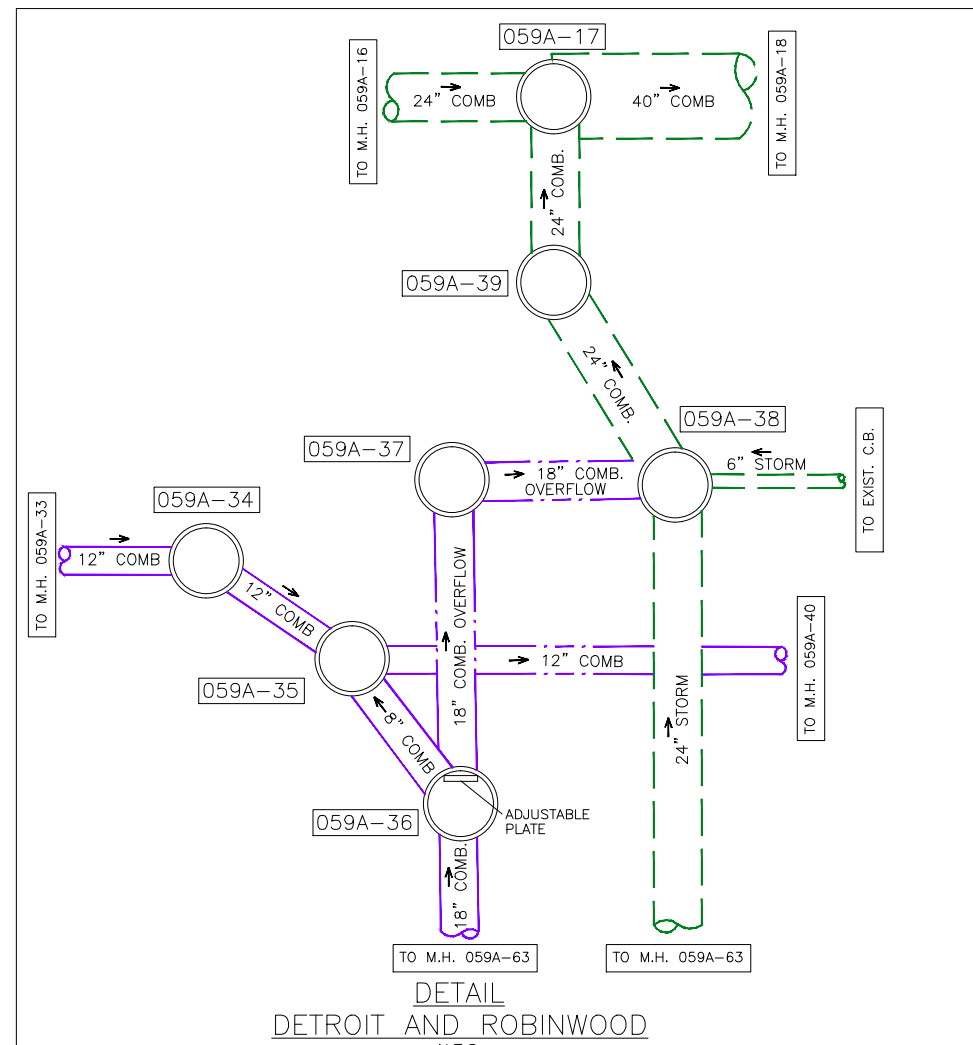
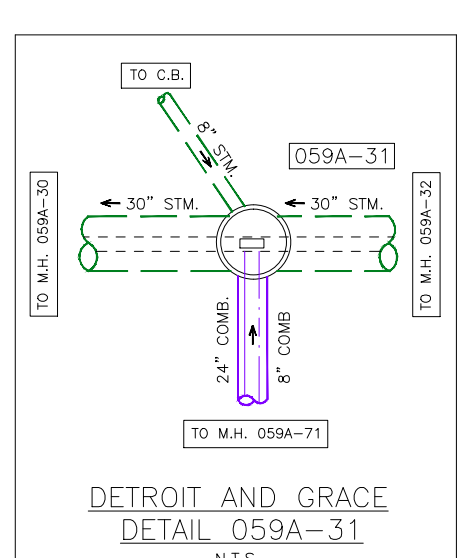
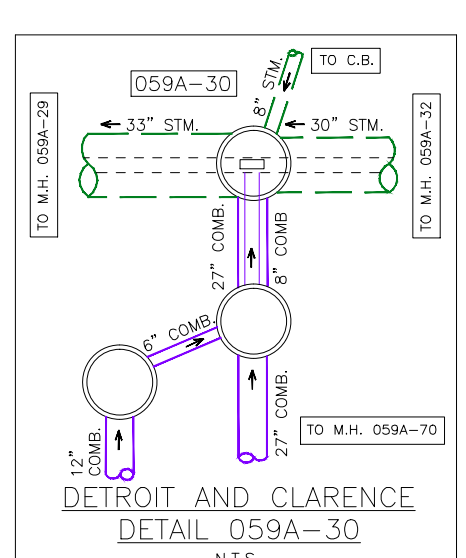
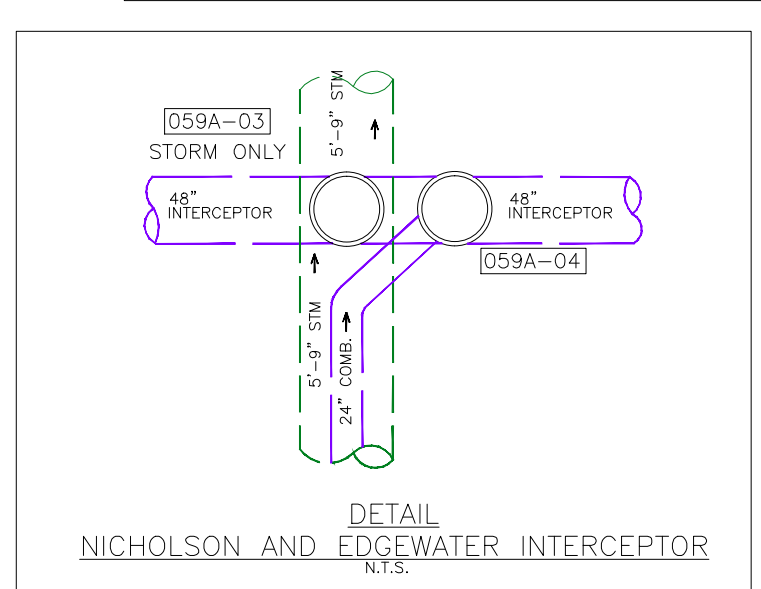
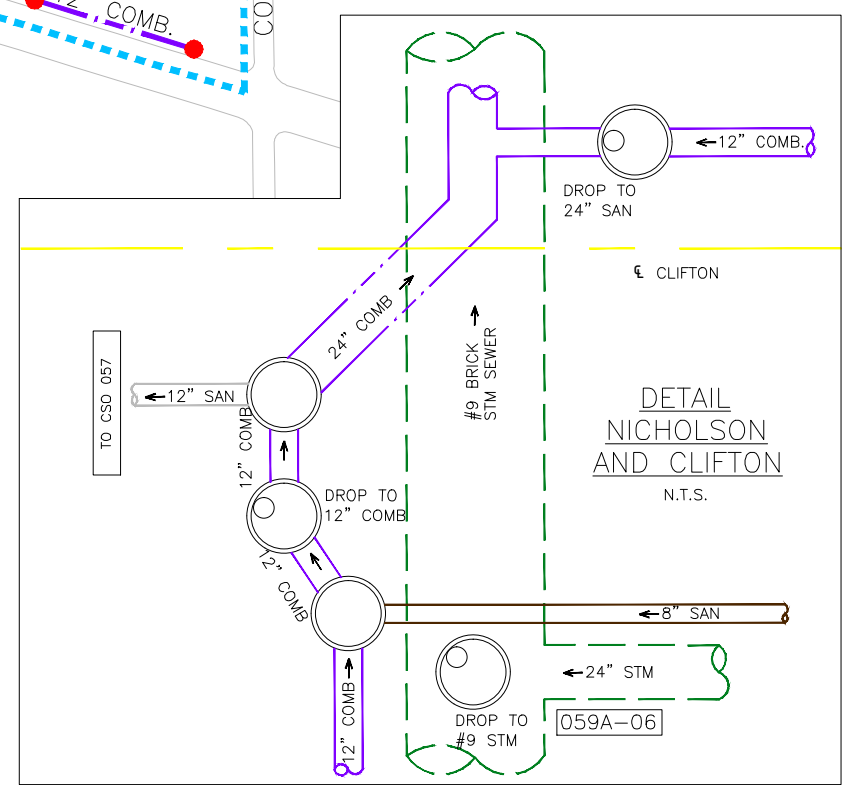


Lakewood Storm and Sanitary Sewer System
Including LEWS1040

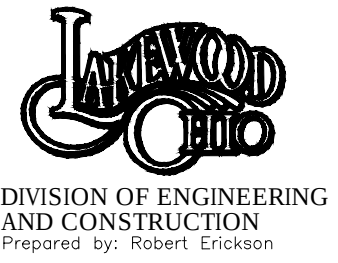
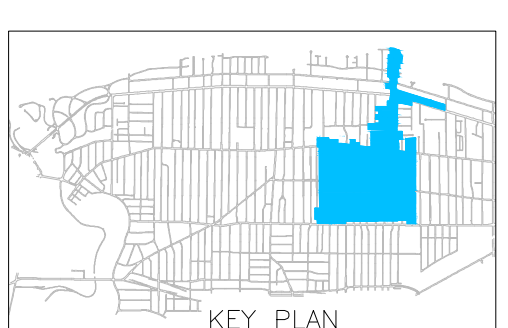
Lake Erie



August 2016

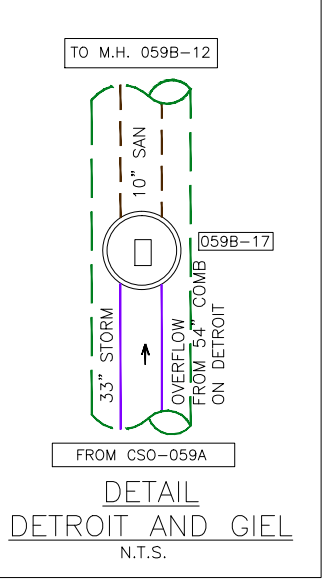
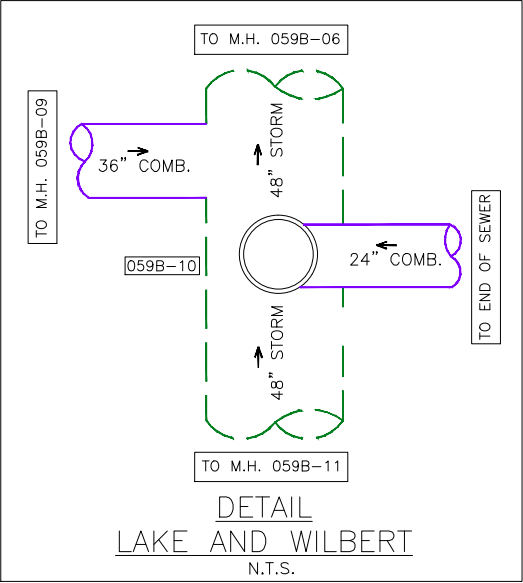
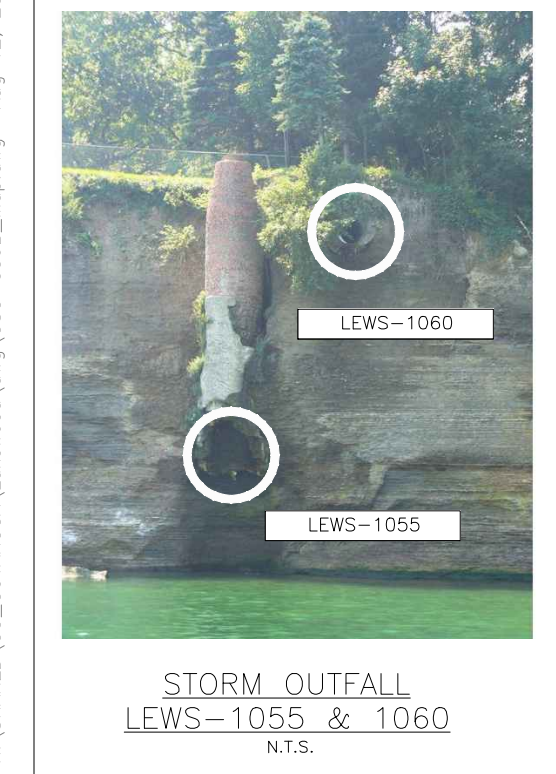
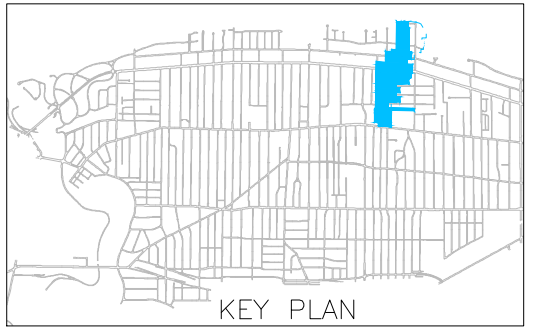
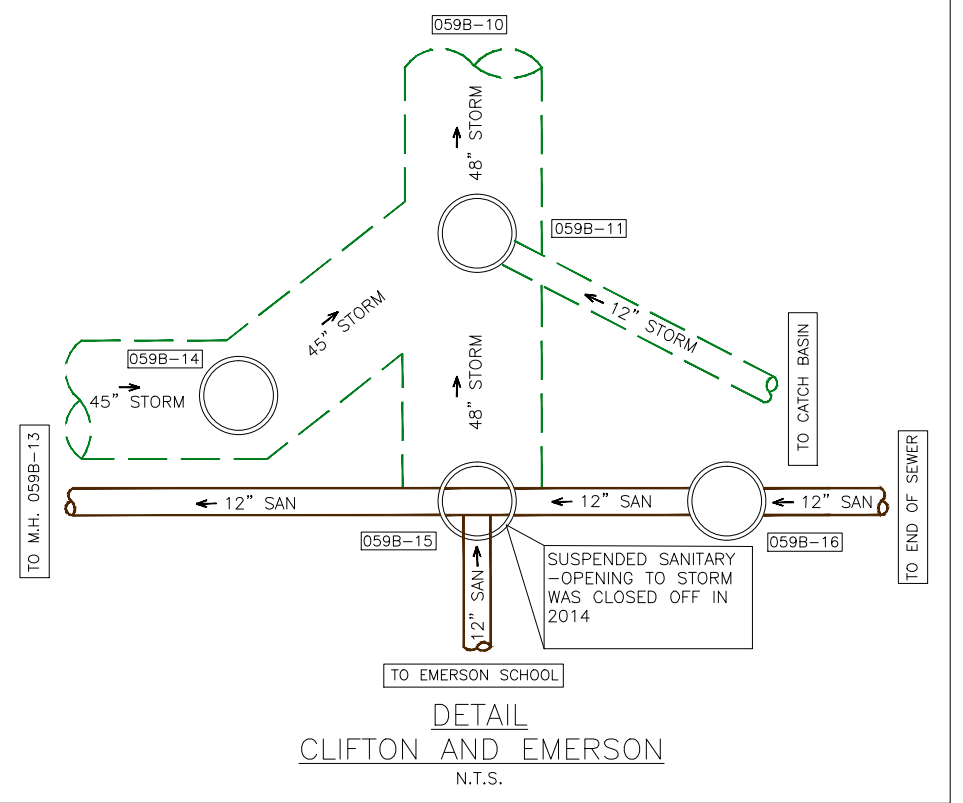
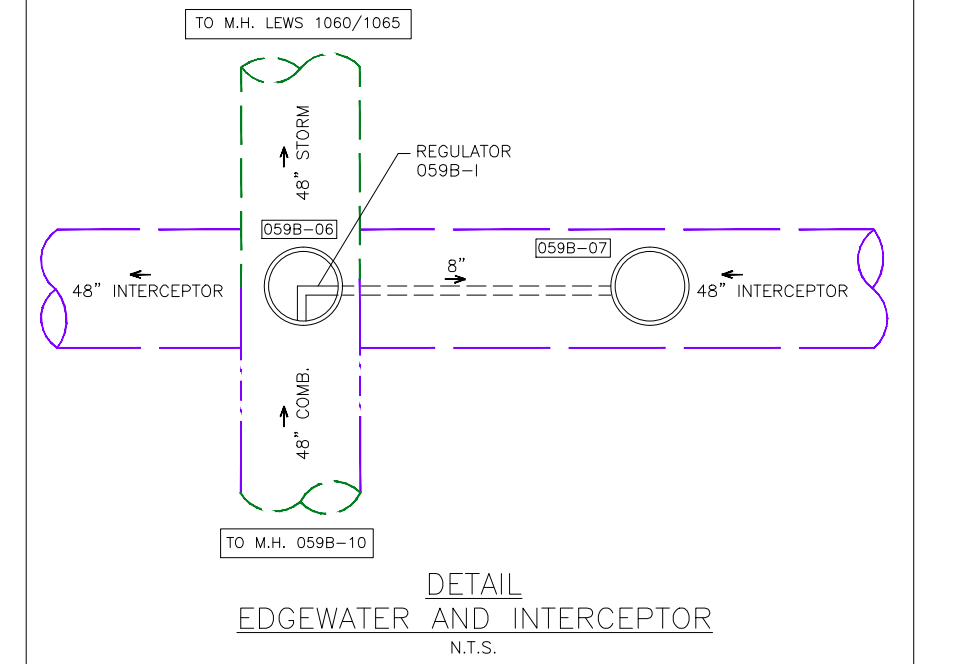
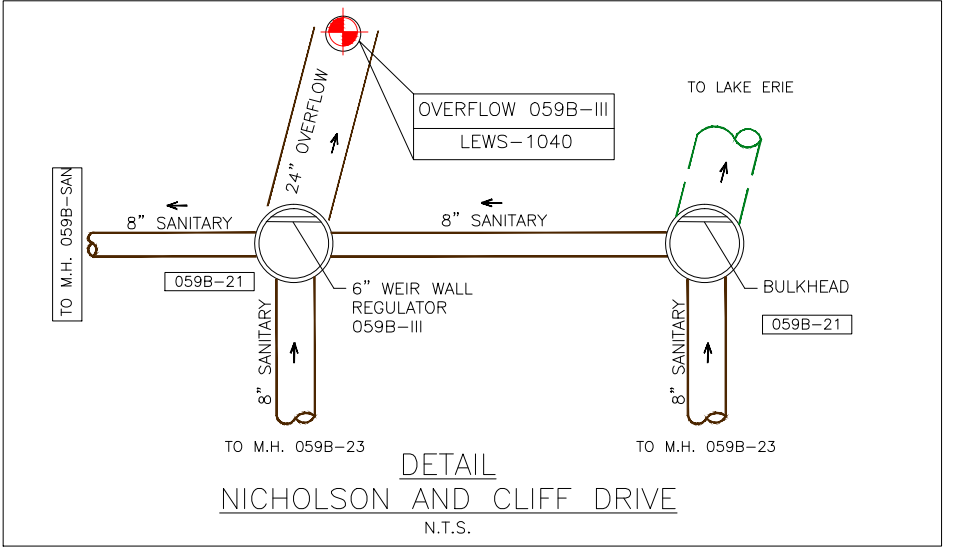
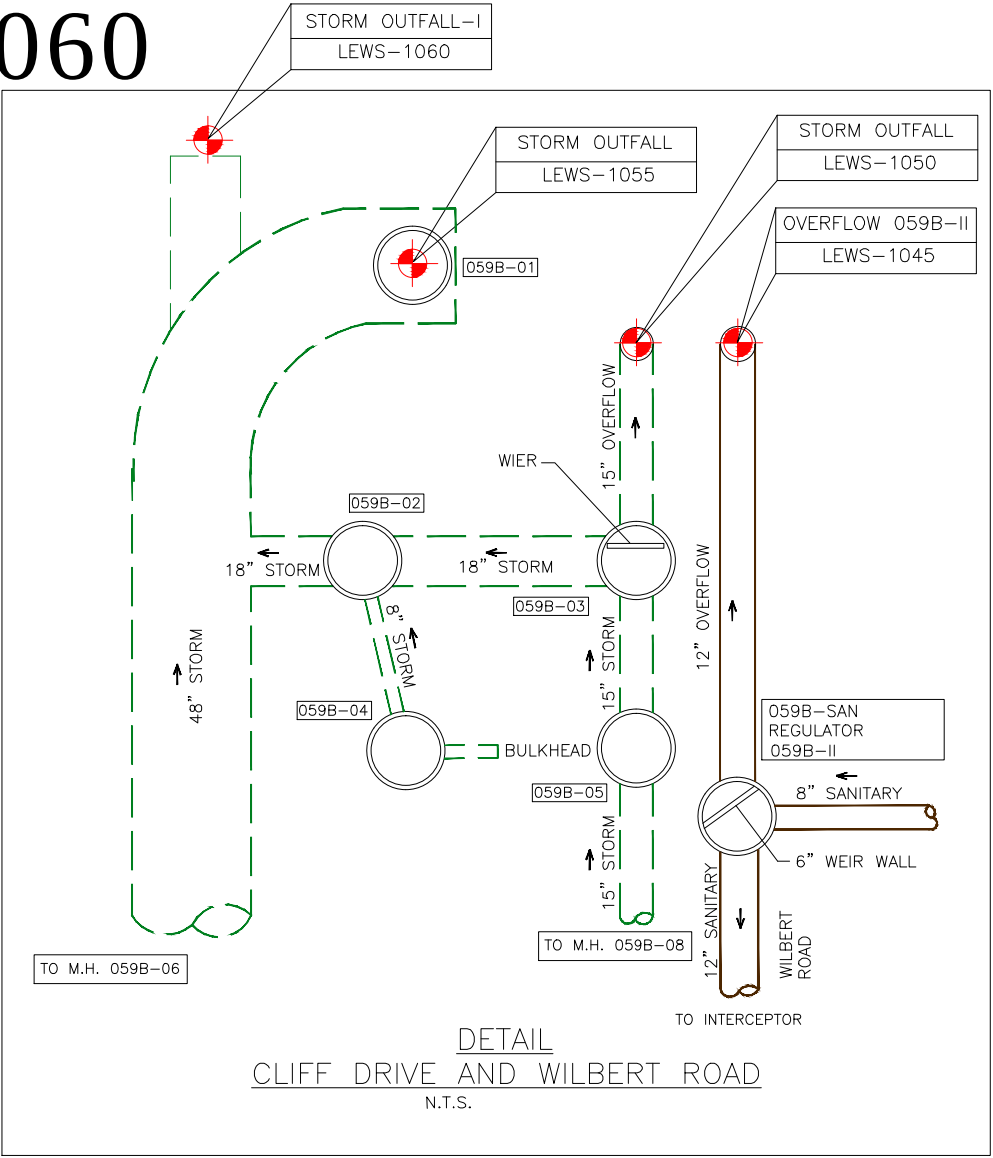
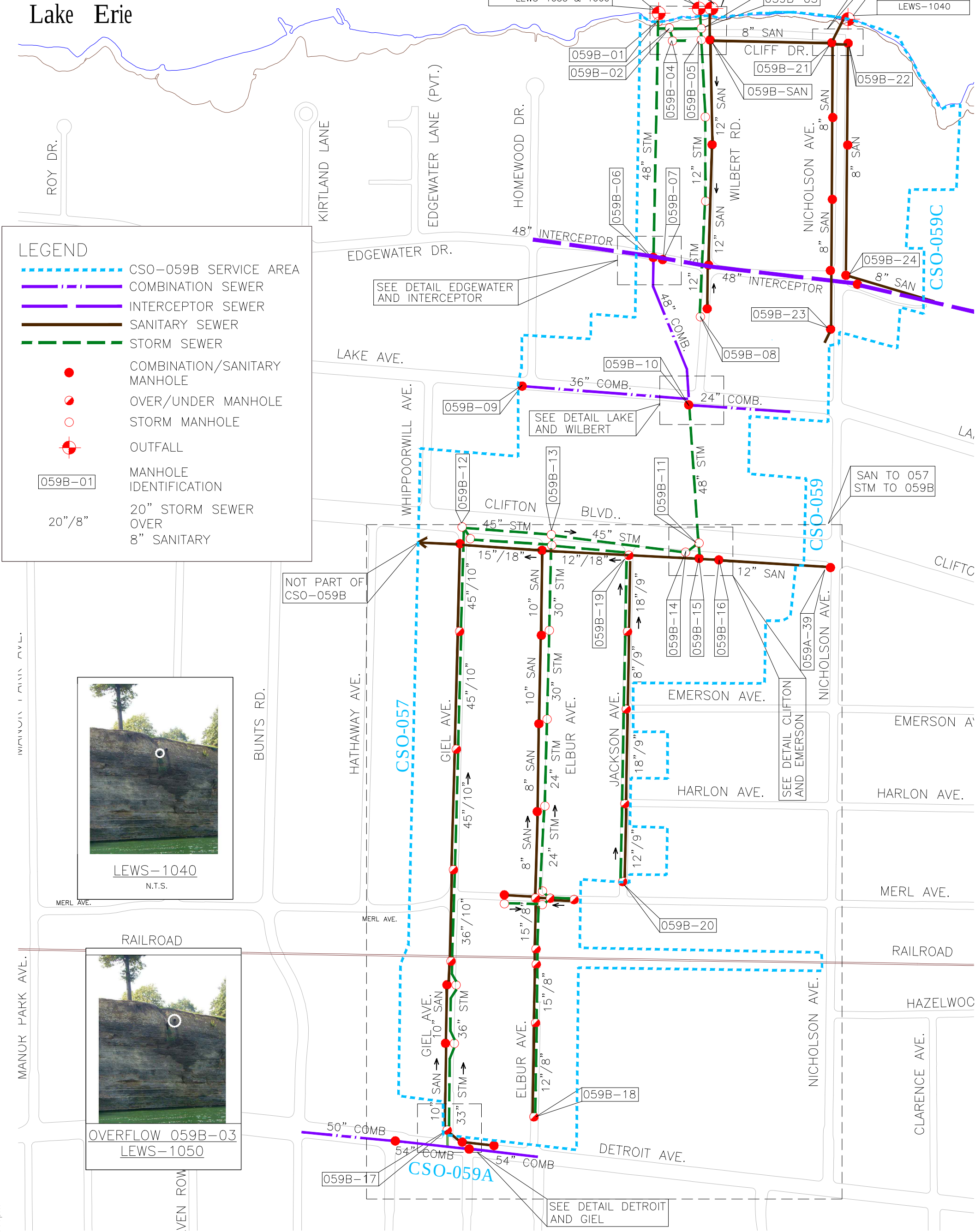


DESCRIPTION	REVISION	DATE
ISSUE TO EPA		11-30-12
SITE INVESTIGATION REVISIONS		02-13
SITE INVESTIGATION REVISIONS		01-14
PLAN REVISIONS		03-14
PLAN REVISIONS		05-14
PLAN REVISIONS		10-15

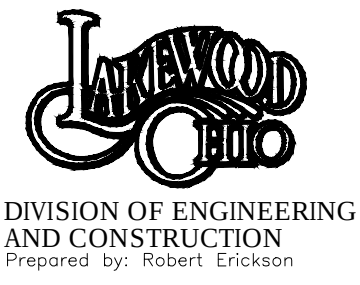


Lakewood Storm and Sanitary Sewer System Including Outfalls LEWS1040 through LEWS 1060

August 2016

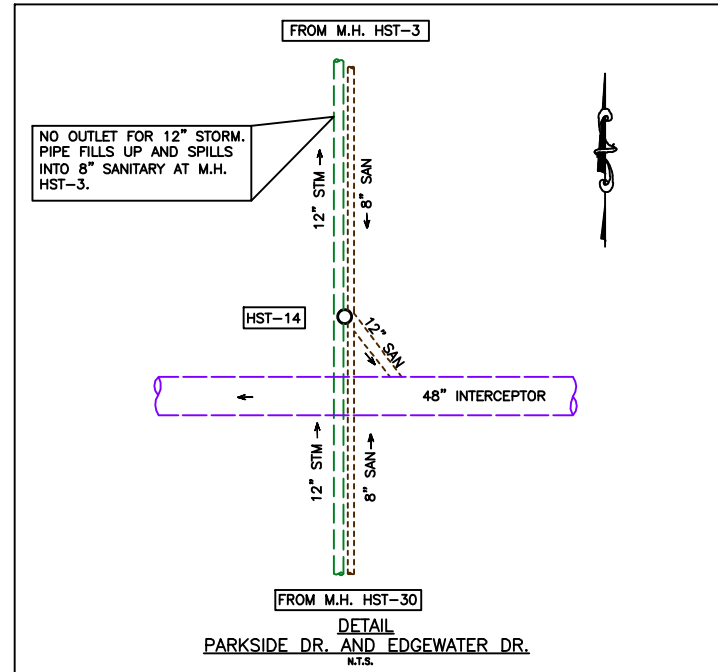


REVISION	DATE
DESCRIPTION	11-30-12
ISSUE TO EPA	02-13
SITE INVESTIGATION REVISIONS	05-14
MAP REVISIONS	10-15
EAP- REMOVE OVERFLOW	



The map illustrates the sanitary sewer system for the Homewood area, centered around CSO-002G. Key features include:

- Streets:** Clifton Blvd., Marlowe Ave., Ramona Ave., Manor Park Ave., Chase Ave., Bunte Rd., Gateway Ave., Giel Ave., Elbur Ave., Jackson Ave., Emerson Ave., Harlon Ave., Nicholson Ave., and Donald Ave.
- Sanitary Sewer Lines:** Shown in green with various pipe sizes (e.g., 12", 15", 18", 24", 27", 36", 48") and flow directions.
- Interceptors:** 48" interceptors are located at Edgewater Dr. and Blind Sanitary Conn. to Interceptor.
- HST Locations:** Numerous Hydro-Pneumatic Tanks are marked, including HST-1 through HST-32, HST-30, and HST-31.
- CSO Details:**
 - CSO-002G:** Overflow at Lewis 1070.
 - CSO-057:** Overflow at Parkside Dr. and Edgewater.
 - CSO-058:** Overflow at Lake Ave.
 - CSO-059B:** Overflow at Homewood Dr. and Edgewater.
- Other Features:** A detail of the Homewood Overflow is shown in the top right corner, and a detail of the Homewood Dr. and Edgewater area is shown in the middle right.



KEY PLAN



DIVISION OF ENGINEERING
AND CONSTRUCTION
Prepared by: Robert Erickson

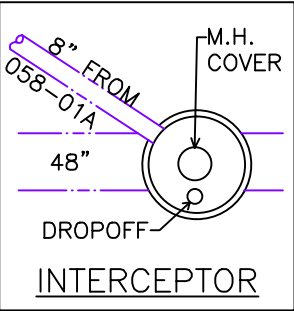
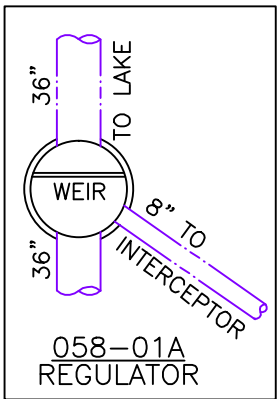
Lakewood Storm and Sanitary Sewer System

Including Outfall LEWS1110

August 2016



LEWS-1110



LEGEND

CSO-058 SERVICE AREA

COMBINATION SEWER

INTERCEPTOR SEWER

SANITARY SEWER

STORM SEWER

NOT PART OF CSO 058

COMBINATION/SANITARY MANHOLE

OVER/UNDER MANHOLE

STORM MANHOLE

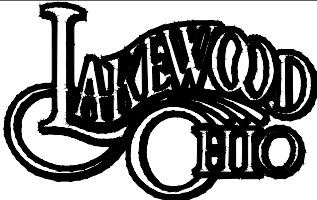
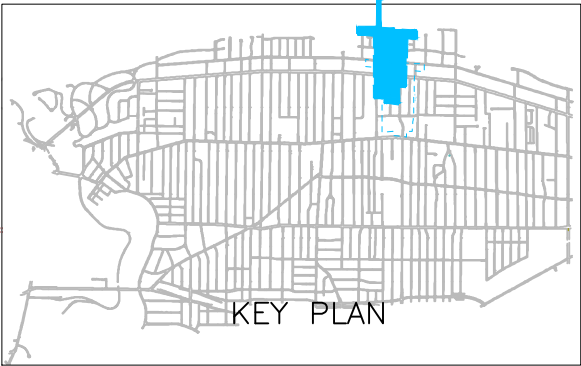
OUTFALL

058-05

MANHOLE IDENTIFICATION

20"/8"

20" STORM SEWER OVER 8" SANITARY



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Dwg : H:\SHARED\CO_CUYAHOGA\Lakewood\dwg\CSO-058_Map.dwg- Aug 12, 2016 - 4:24pm

REVISION	DATE
DESCRIPTION	DATE
ISSUE TO EPA	11-30-12
PLAN REVISIONS	MAY 2014
CORRECTED LAKE AVE SEWER SIZE	FEB 2016

Lakewood Storm and Sanitary Sewer System
Including Outfalls LEWS1130 and LEWS1135
August 2016

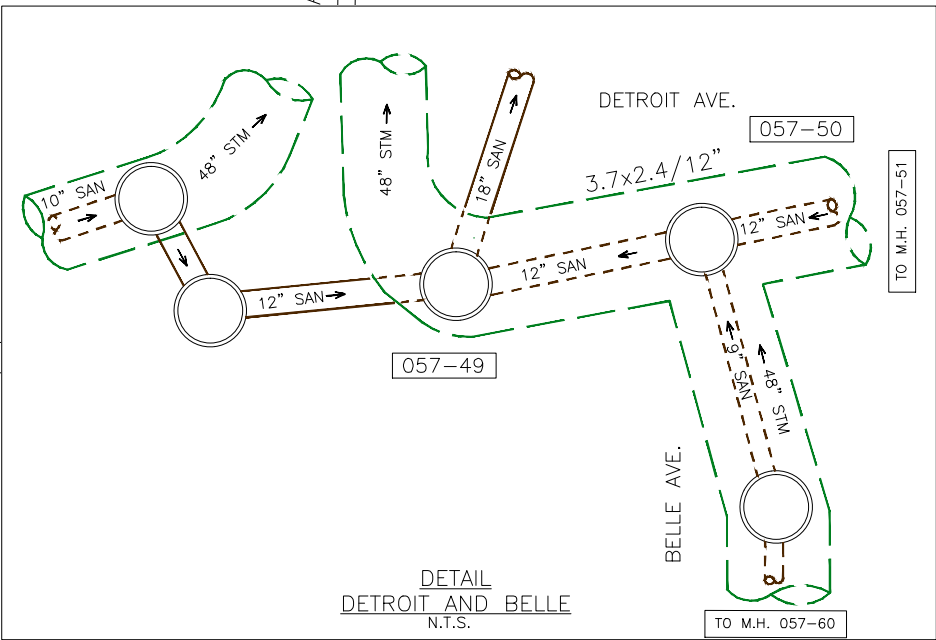
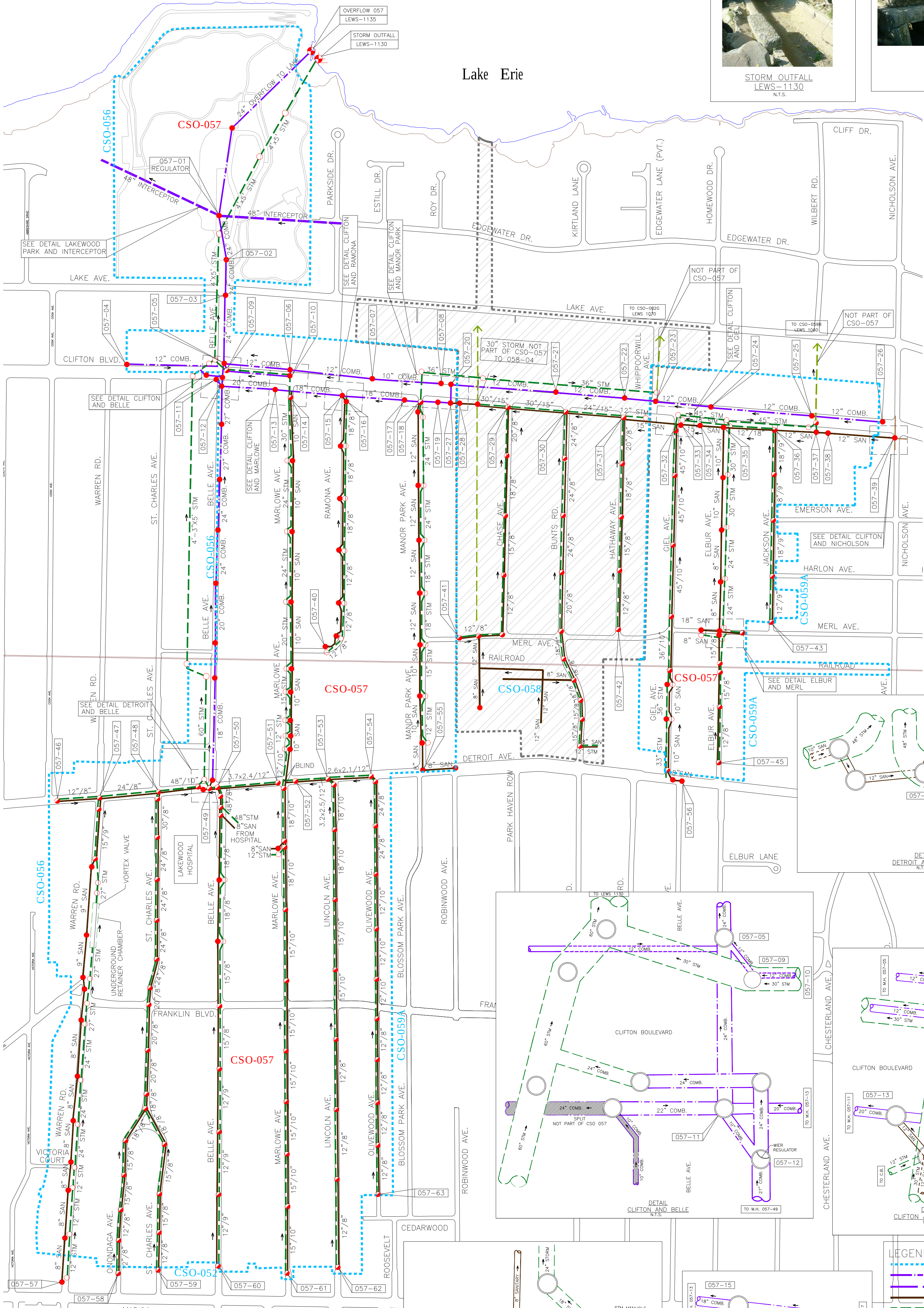


STORM OUTFALL
LEWS-1130
N.T.S.

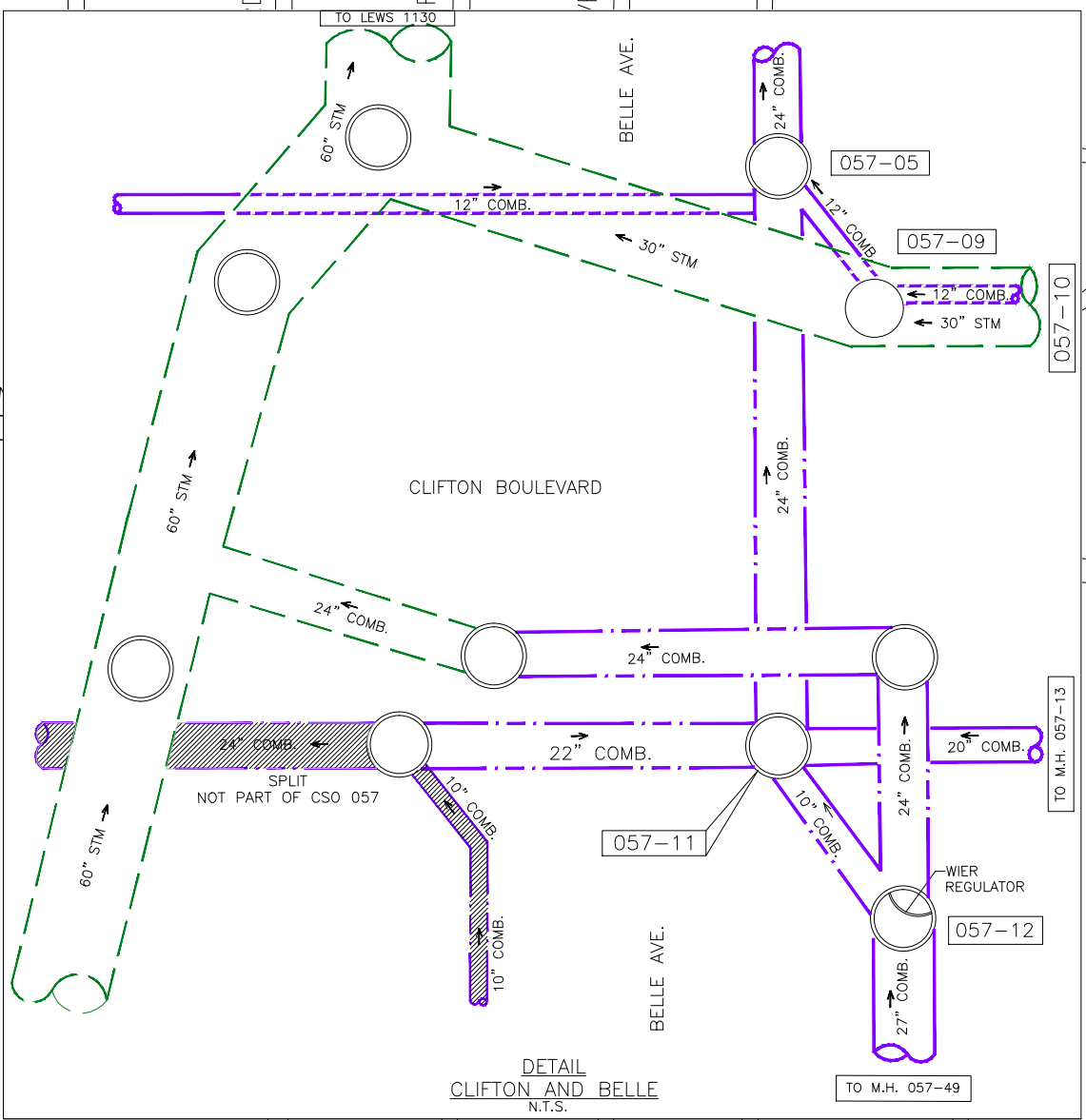


OVERFLOW 057
LEWS-1135
N.T.S.

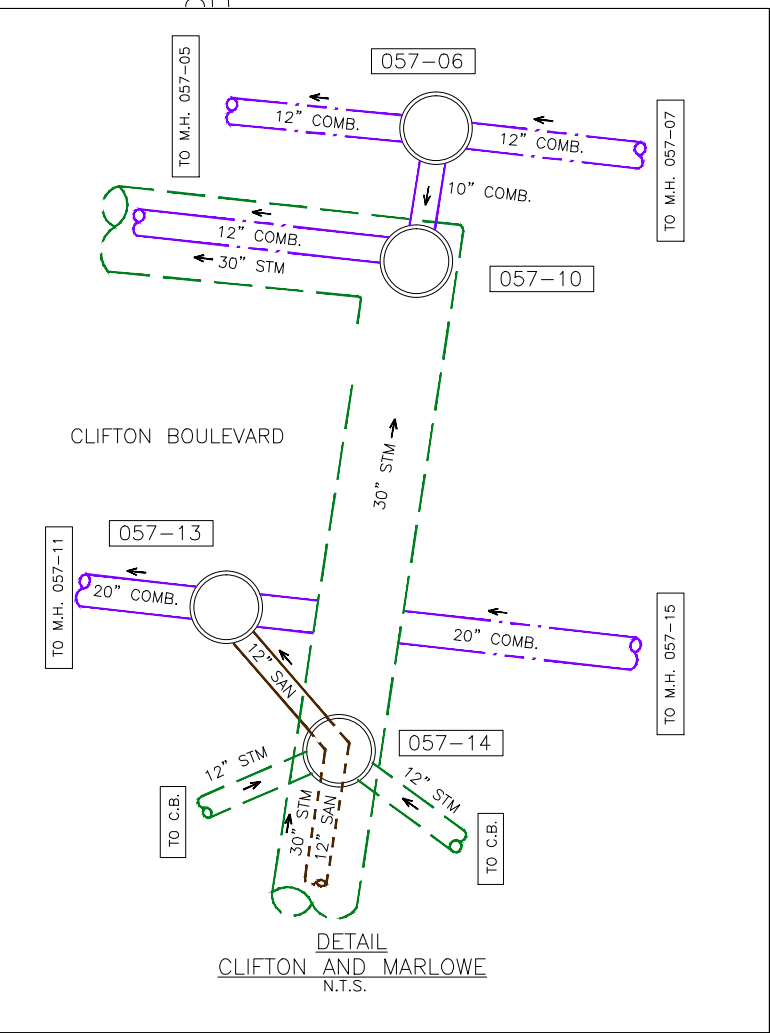
Lake Erie



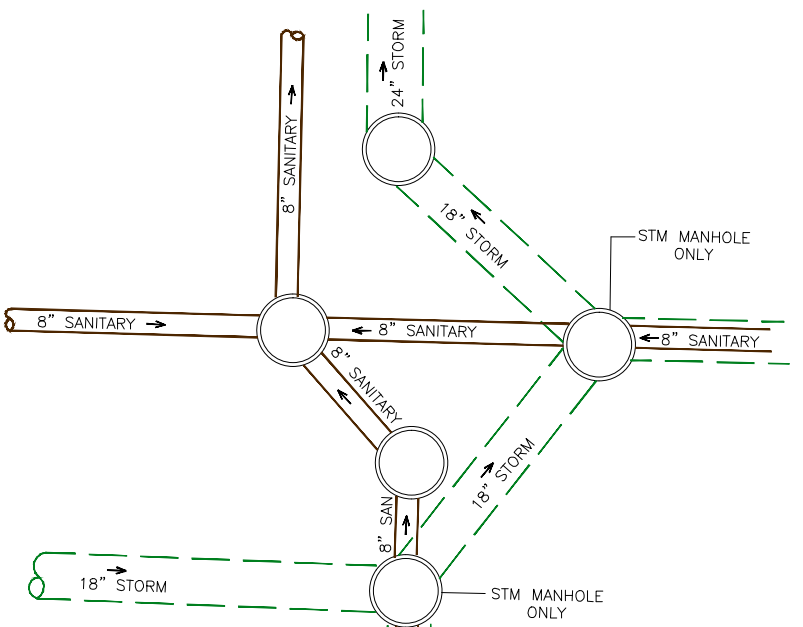
DETAIL
DETROIT AND BELLE
N.T.S.



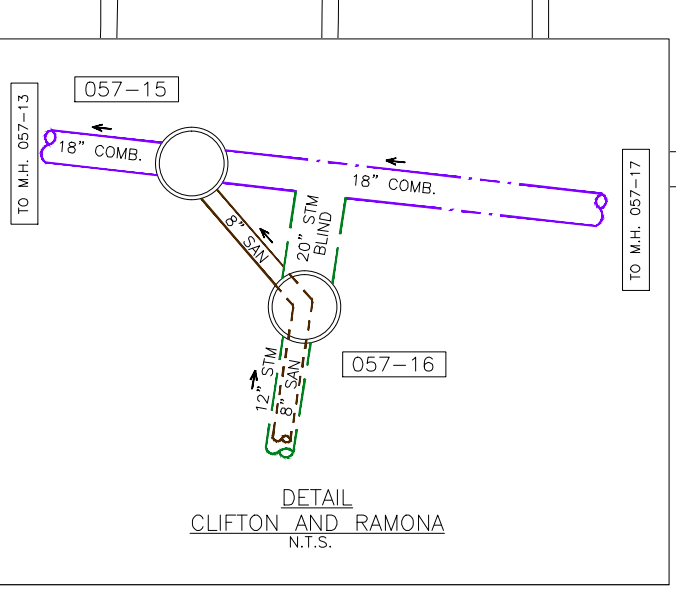
DETAIL
CLIFTON AND BELLE
N.T.S.



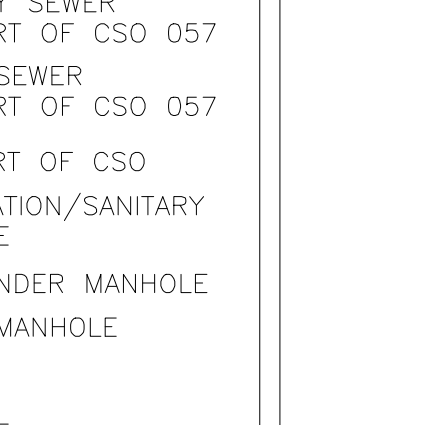
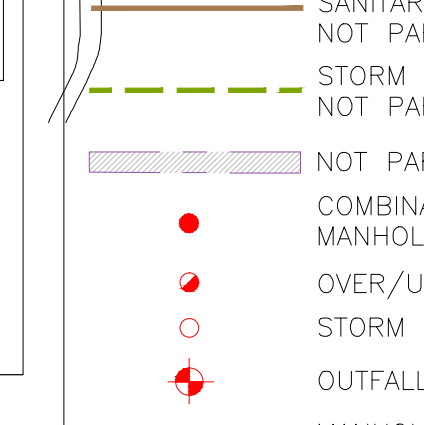
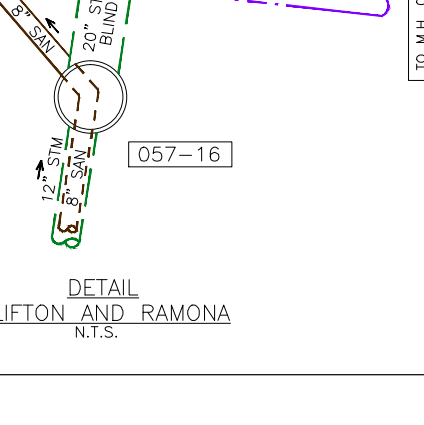
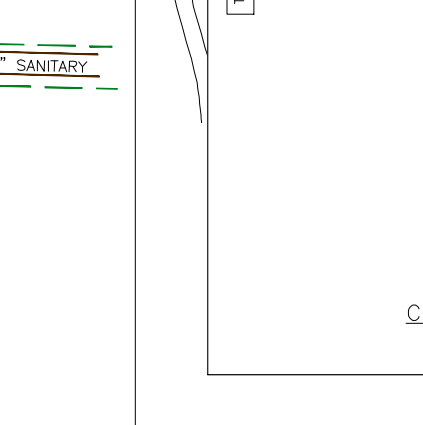
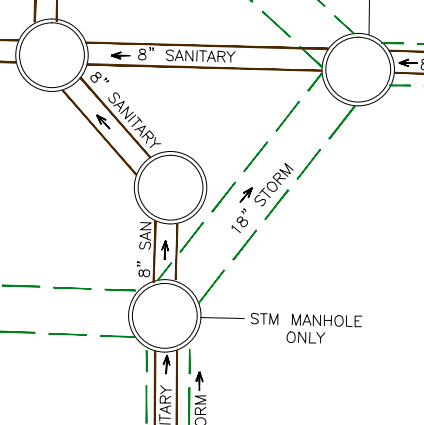
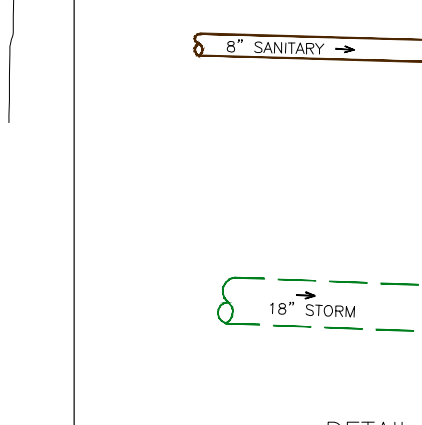
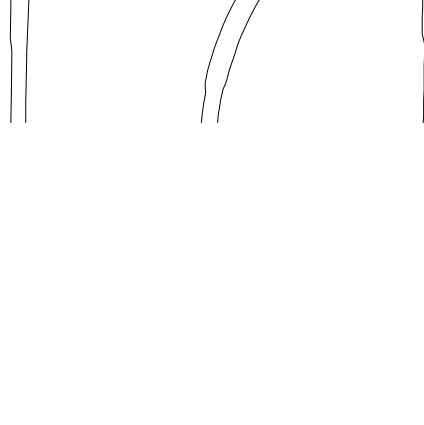
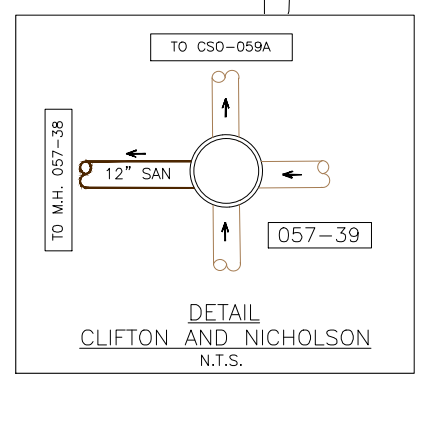
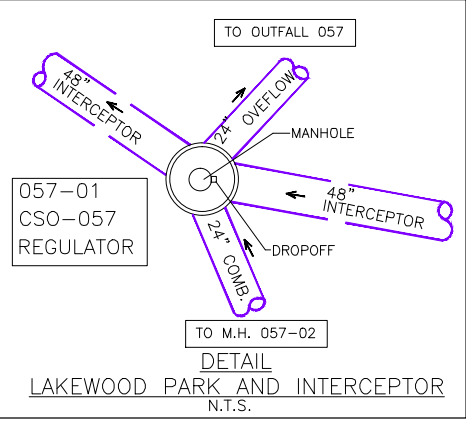
DETAIL
CLIFTON AND MARLOWE
N.T.S.



DETAIL
ELBUR AND MERL
N.T.S.



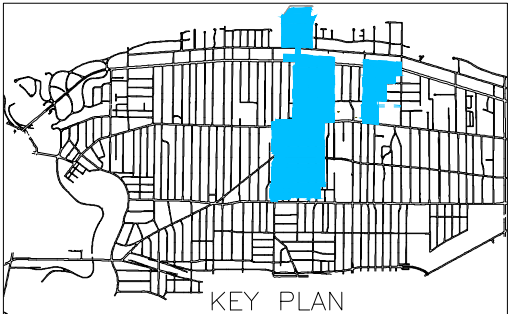
DETAIL
CLIFTON AND RAMONA
N.T.S.



LEGEND

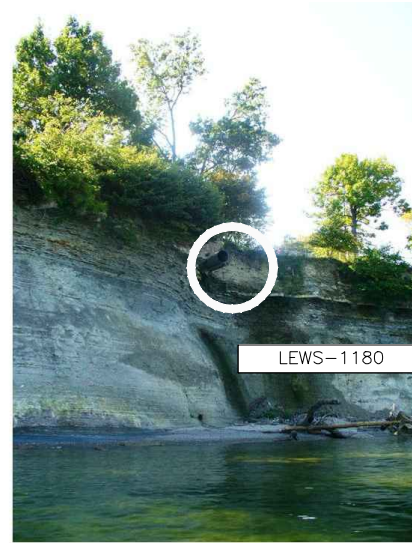
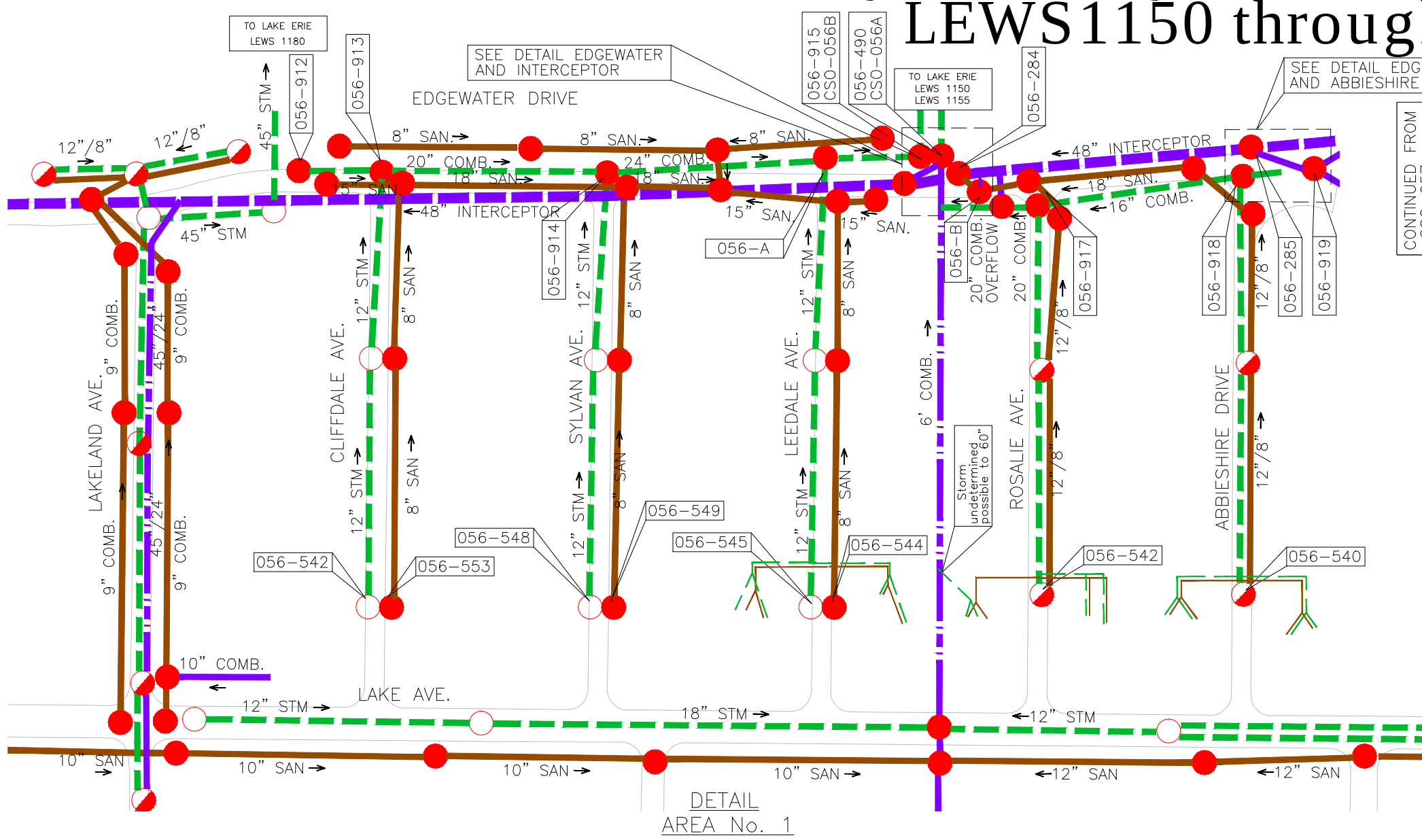
- CSO-057 SERVICE AREA
- COMBINATION SEWER
- INTERCEPTOR SEWER
- SANITARY SEWER
- STORM SEWER
- SANITARY SEWER NOT PART OF CSO 057
- STORM SEWER NOT PART OF CSO 057
- NOT PART OF CSO
- COMBINATION/SANITARY MANHOLE
- OVER/UNDER MANHOLE
- STORM MANHOLE
- OUTFALL
- MANHOLE IDENTIFICATION
- 20" STORM SEWER
- OVER
- 8" SANITARY
- CSO-058 SERVICE AREA

REVISION	DATE
DESCRIPTION	11-30-12
ISSUE TO EPA	02-13
SITE INVESTIGATION REVISION	03-13
SITE INVESTIGATION REVISION	04-13
MAP REVISIONS	05-14
MAP REVISIONS	08-15

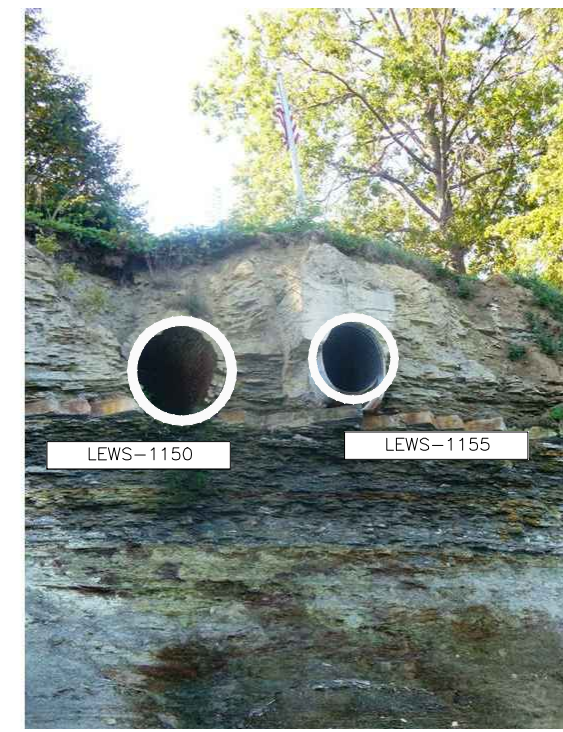


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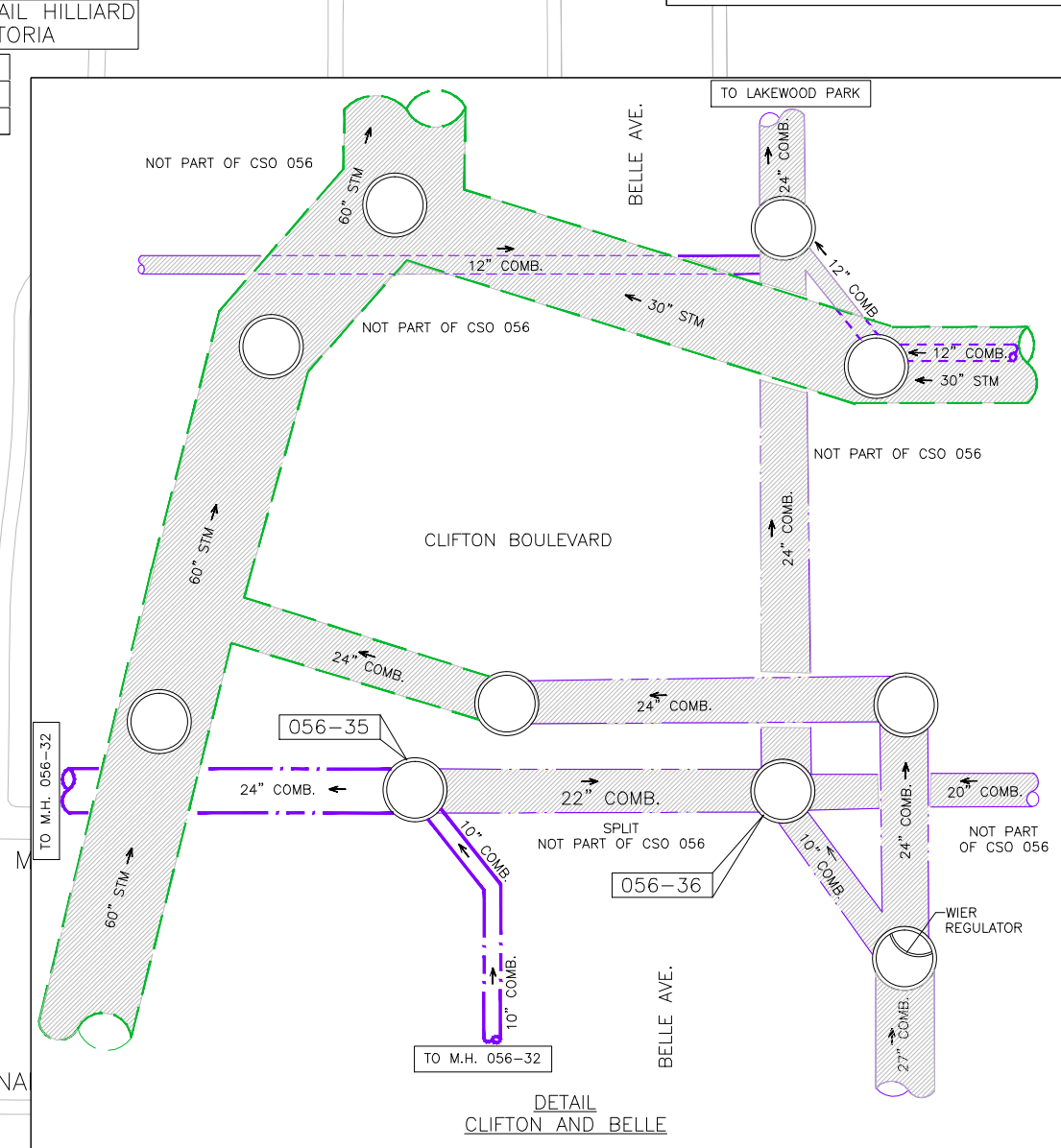
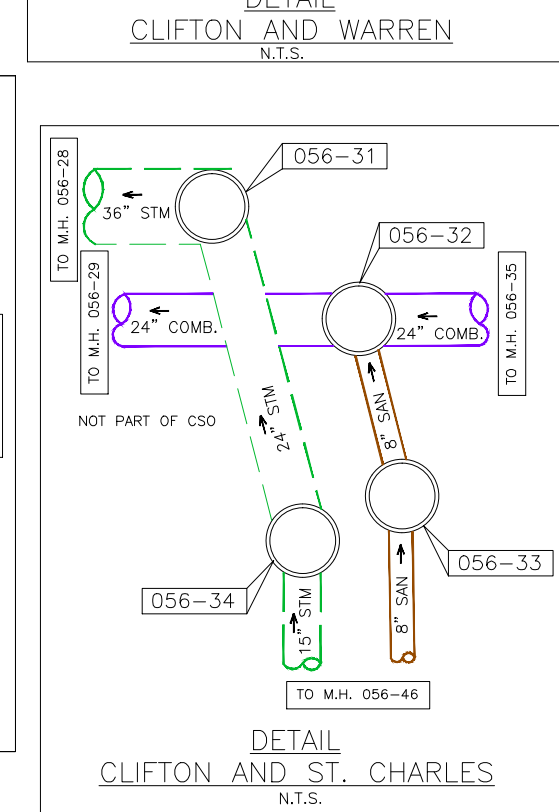
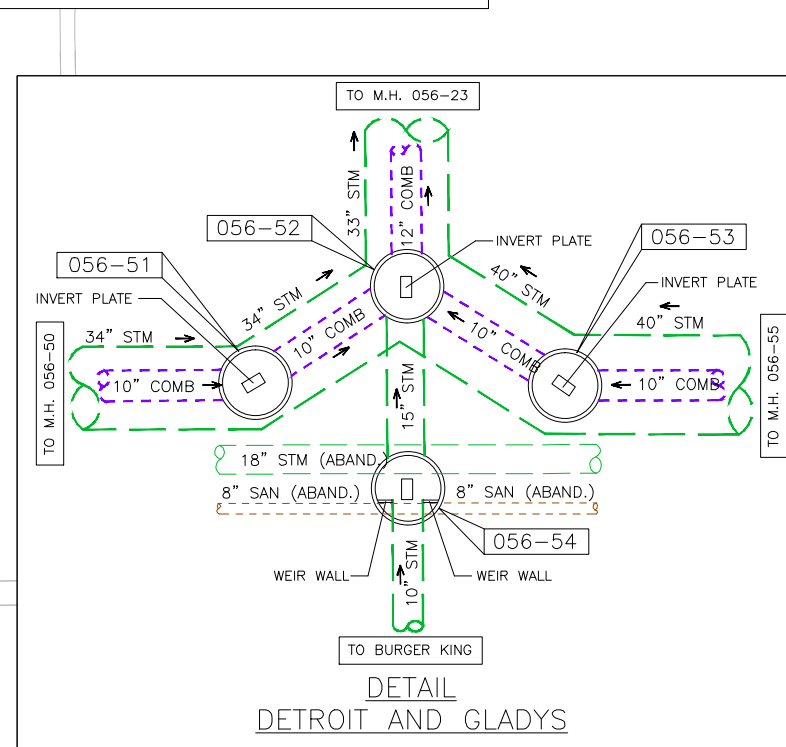
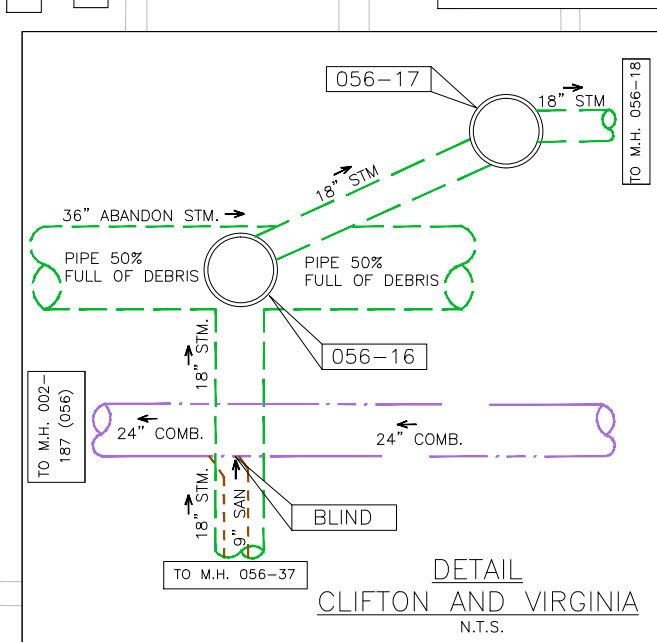
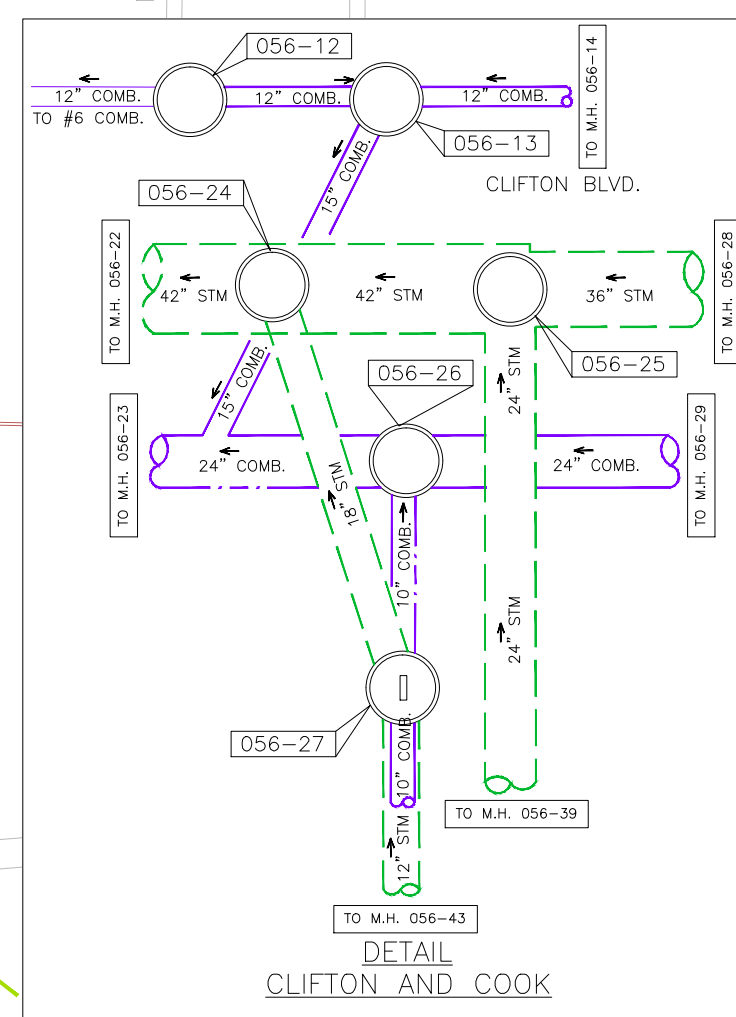
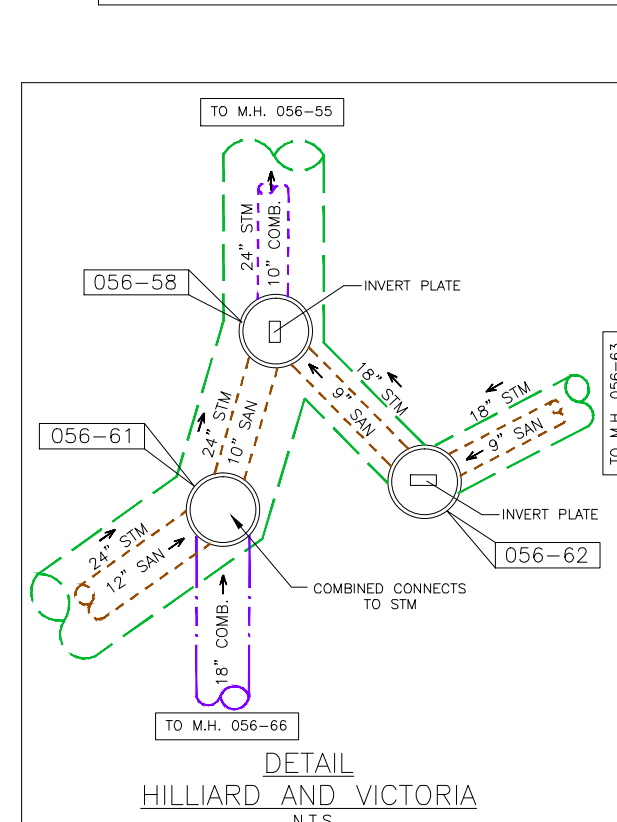
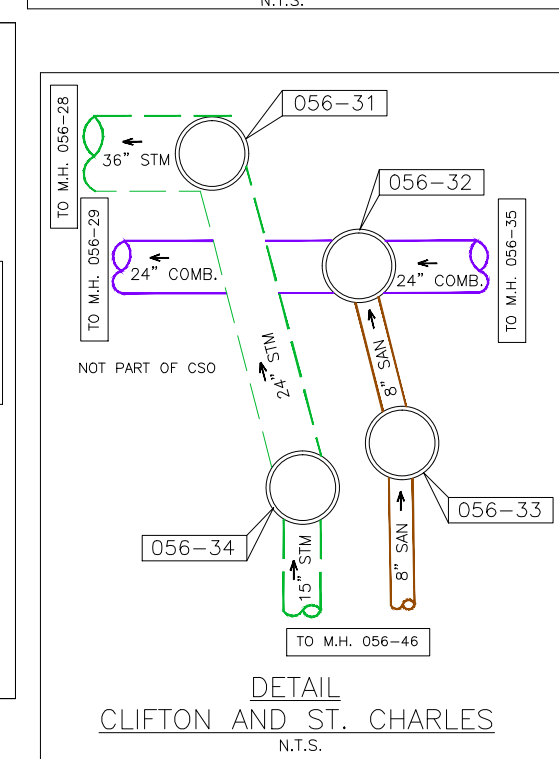
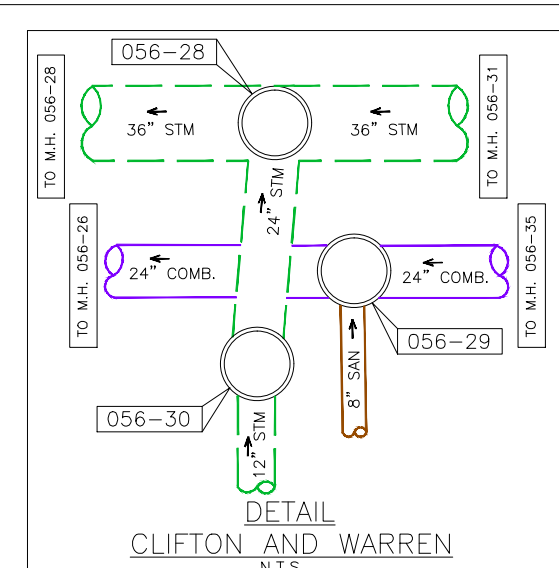
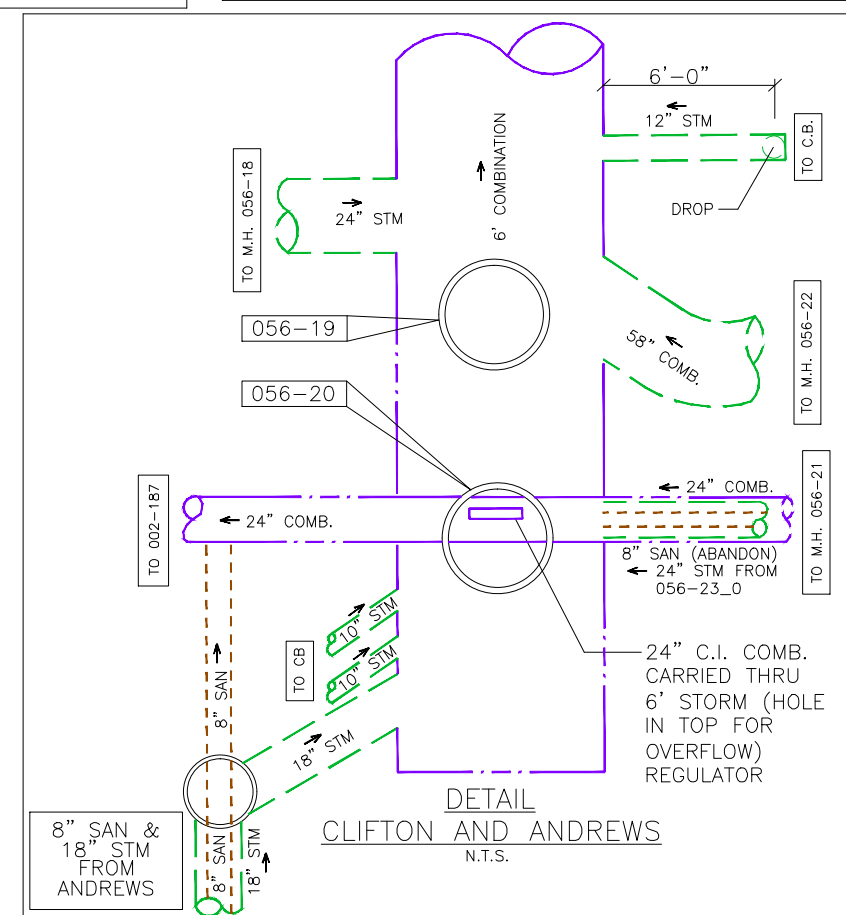
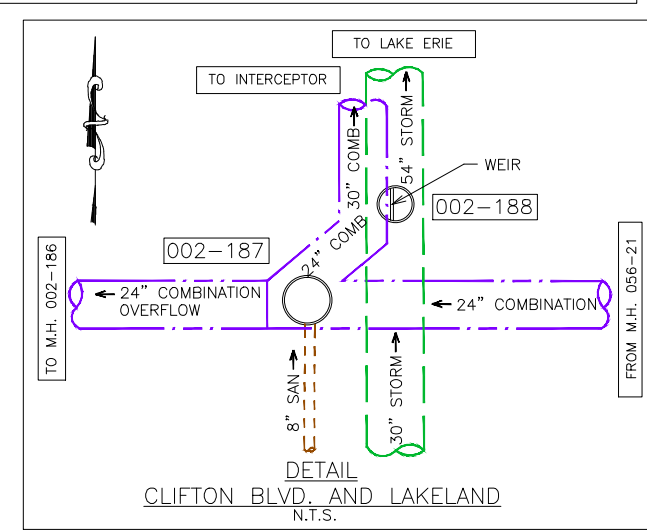
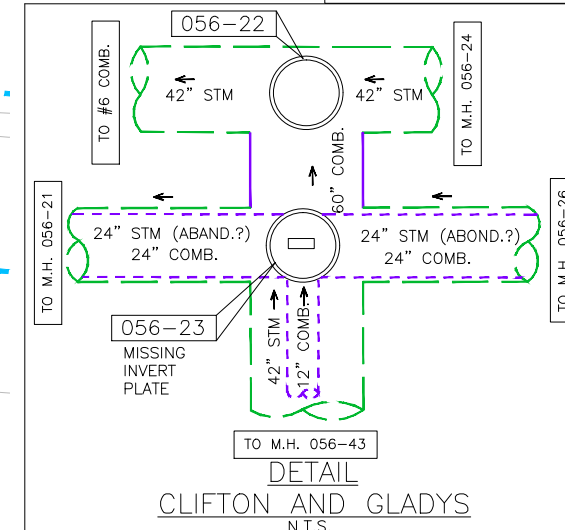
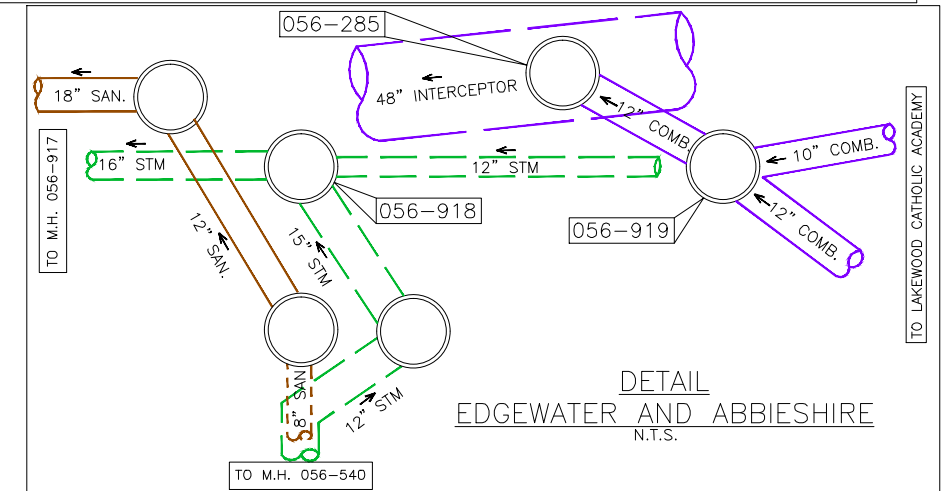
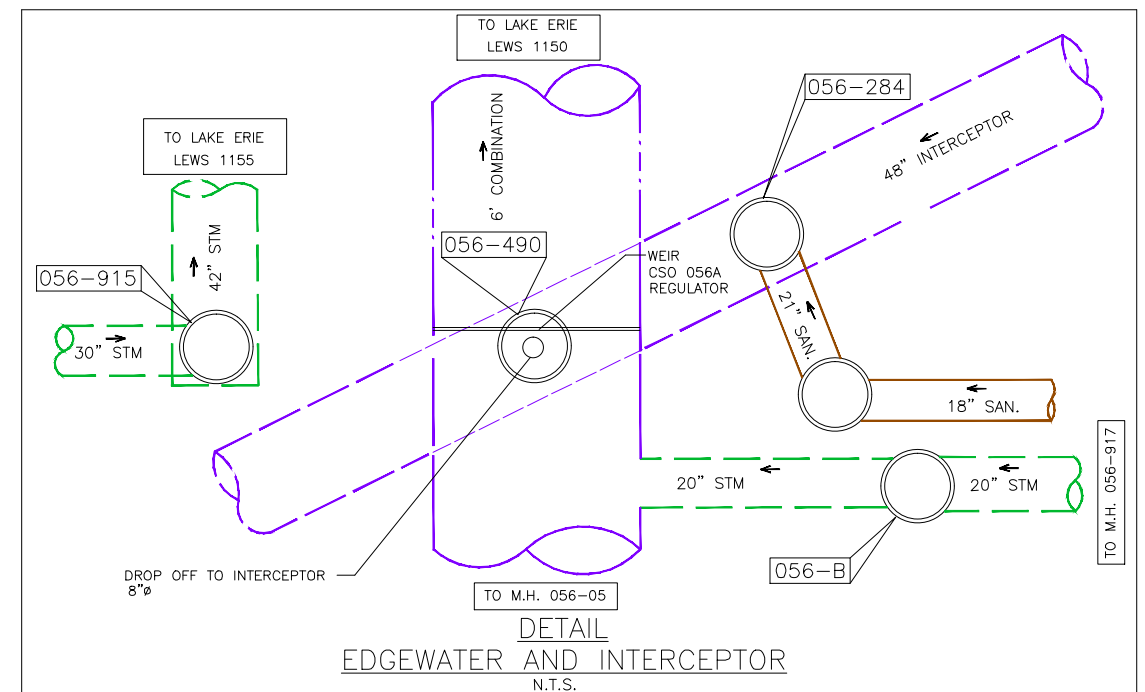
Lakewood Storm and Sanitary Sewer System August 2016



STORM OUTFALL
LEWS-1180
N.T.S.



OVERFLOW CSO-056
LEWS-1150 & LEWS 1155
N.T.S.



REVISION	DATE
DESCRIPTION	
ISSUE TO EPA	11-30-12
SITE INVESTIGATION REVISION	02-13
SITE INVESTIGATION REVISION	04-13
EXIST PLAN REVIEW	05-13
SITE INVESTIGATION REVISION	06-13
EXIST PLAN REVIEW	02-14
PLAN REVISIONS	11-15

Not to Scale

LEGEND

	CSO-056 SERVICE AREA
	COMBINATION SEWER
	INTERCEPTOR SEWER
	SANITARY SEWER
	STORM SEWER
	COMBINATION SEWER
	NOT PART OF CSO 056
	STORM SEWER
	NOT PART OF CSO 056
	NOT PART OF CSO
	COMBINATION/SANITARY MANHOLE
	OVER/UNDER MANHOLE
	STORM MANHOLE
	OUTFALL
	RELIEF PORT
	MANHOLE IDENTIFICATION

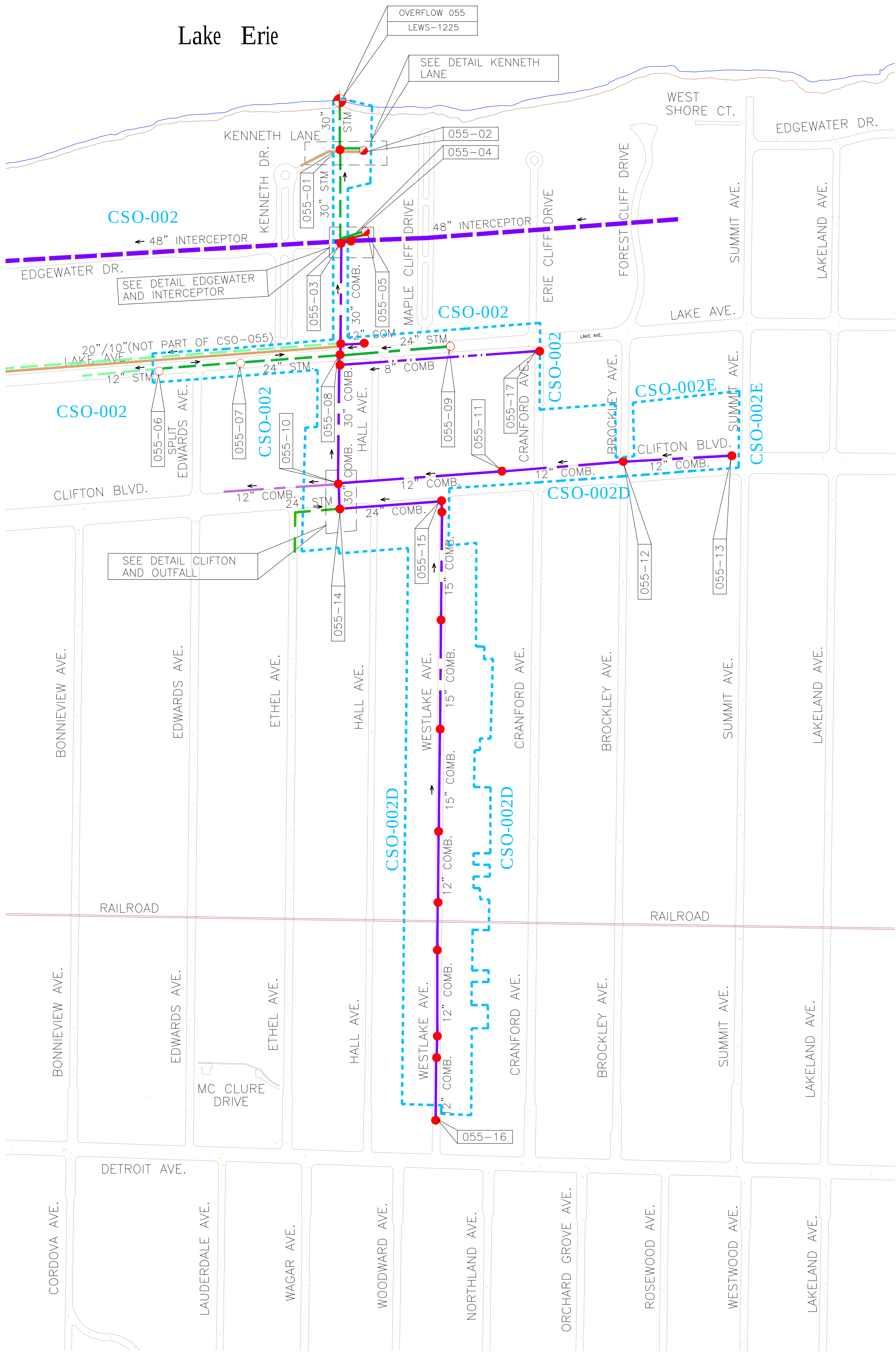
20" / 8"

20" STORM SEWER
OVER 8" SANITARY

Aug : H:\SHARED\CO_CUYAHOCA\Lakewood\dwg\CSO-056_Map.dwg - Aug 12, 2016 - 3:51pm

Lakewood Storm and Sanitary Sewer System

Including Outfall 1170 August 2016



LEGEND

Not to Scale

CSO-055 SERVICE AREA

COMBINATION SEWER

INTERCEPTOR SEWER

SANITARY SEWER

STORM SEWER

NOT PART OF CSO

COMBINATION/SANITARY MANHOLE

OVER/UNDER MANHOLE

STORM MANHOLE

OUTFALL

MANHOLE IDENTIFICATION

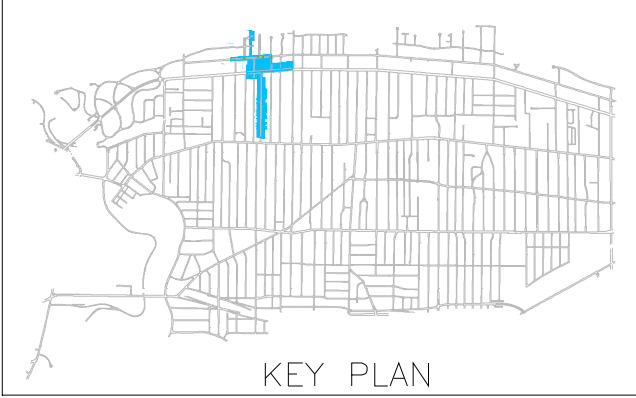
20" STORM SEWER OVER 8" SANITARY

NOT PART OF CSO

NOT PART OF CSO

NOT PART OF CSO

REVISION	
DESCRIPTION	DATE
ISSUE TO EPA	11-30-12
COORDINATION WITH CSO 002	02-13
FIELD INVESTIGATION REVISION	10-13
MAP ADJUSTMENTS	02-14
MAP ADJUSTMENTS	05-14
MAP REVISIONS	05-14



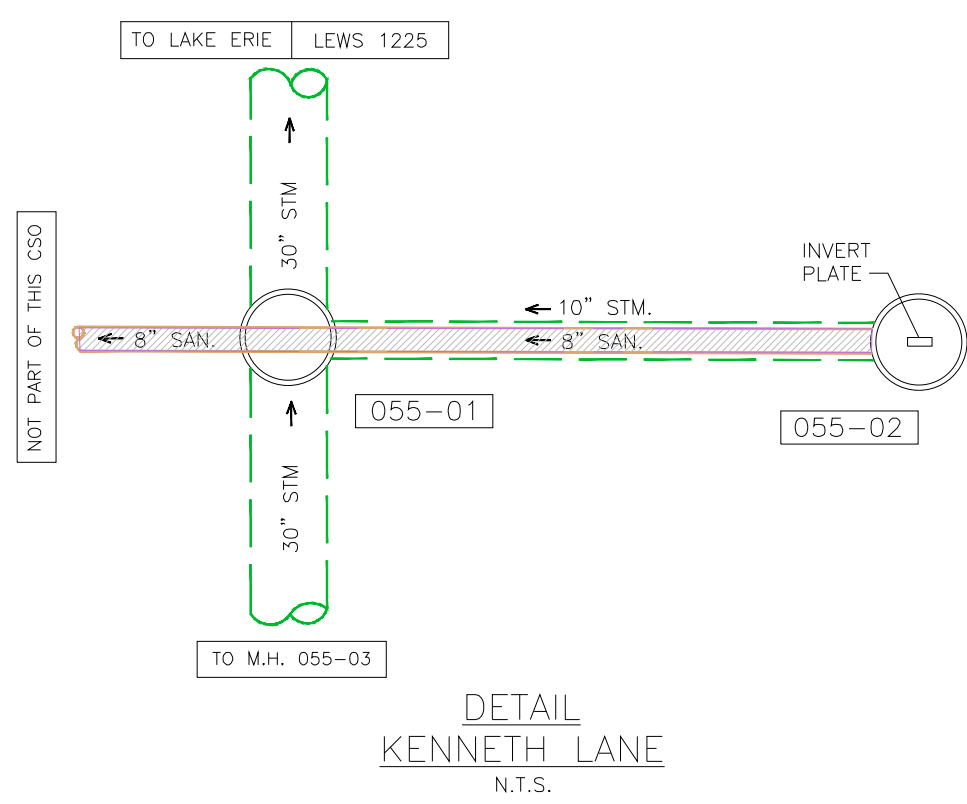
DIVISION OF ENGINEERING
AND CONSTRUCTION
Prepared by: Robert Erickson



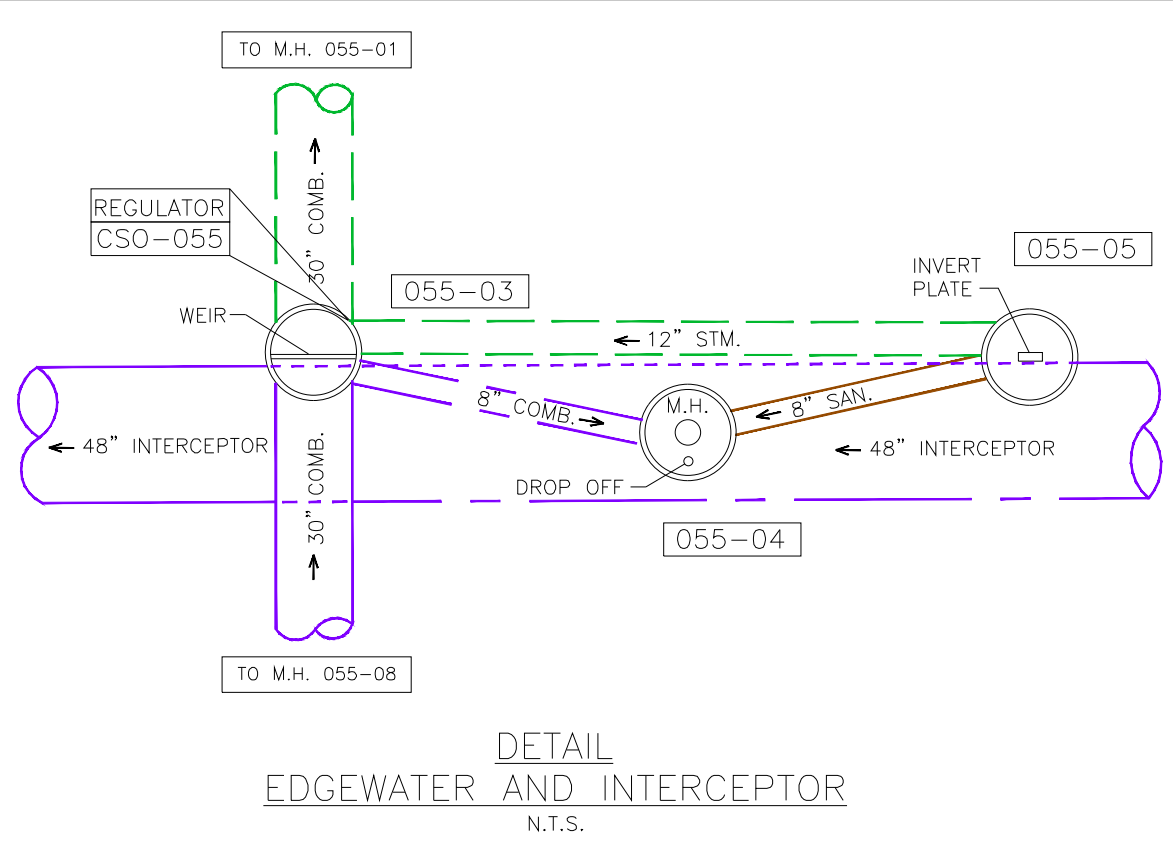
ENLARGED VIEW



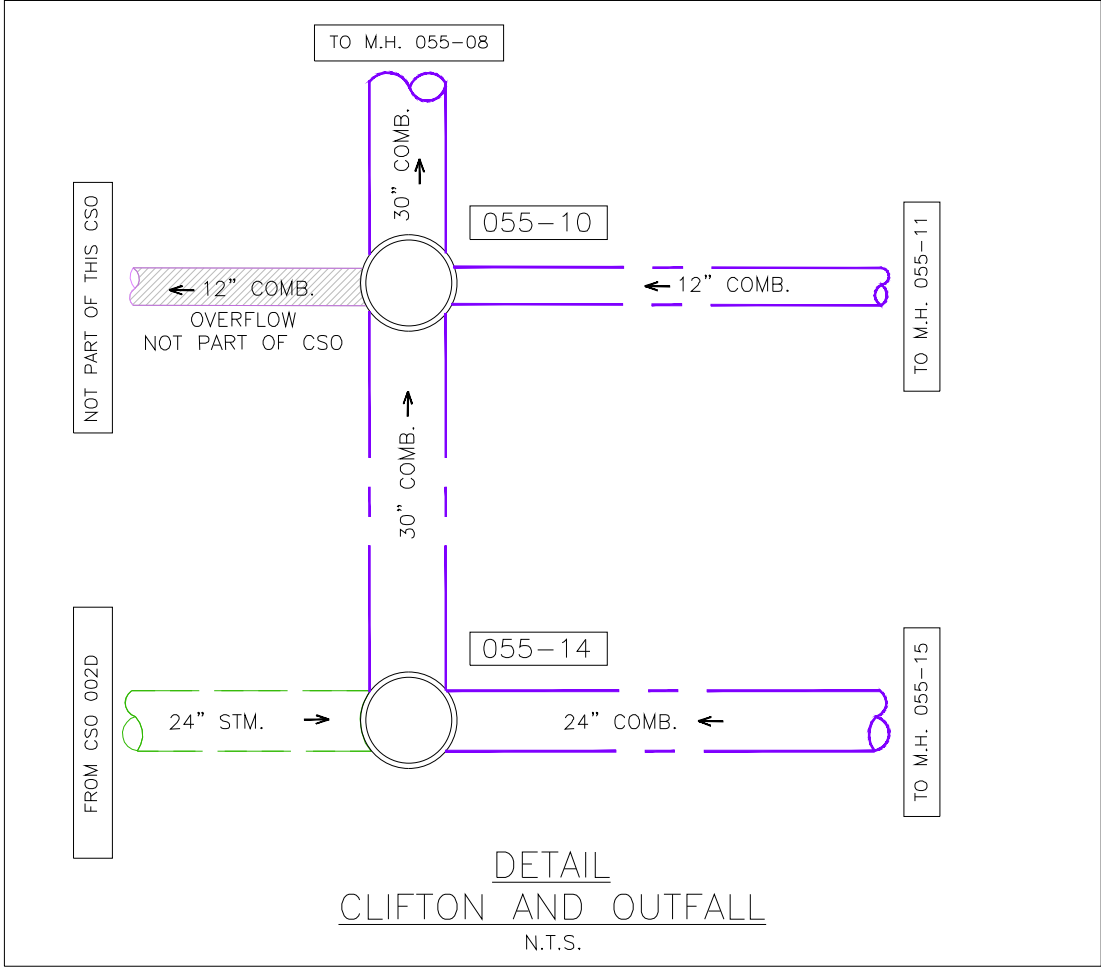
OVERFLOW 055
LEWS-1225
N.T.S.



DETAIL
KENNETH LANE
N.T.S.

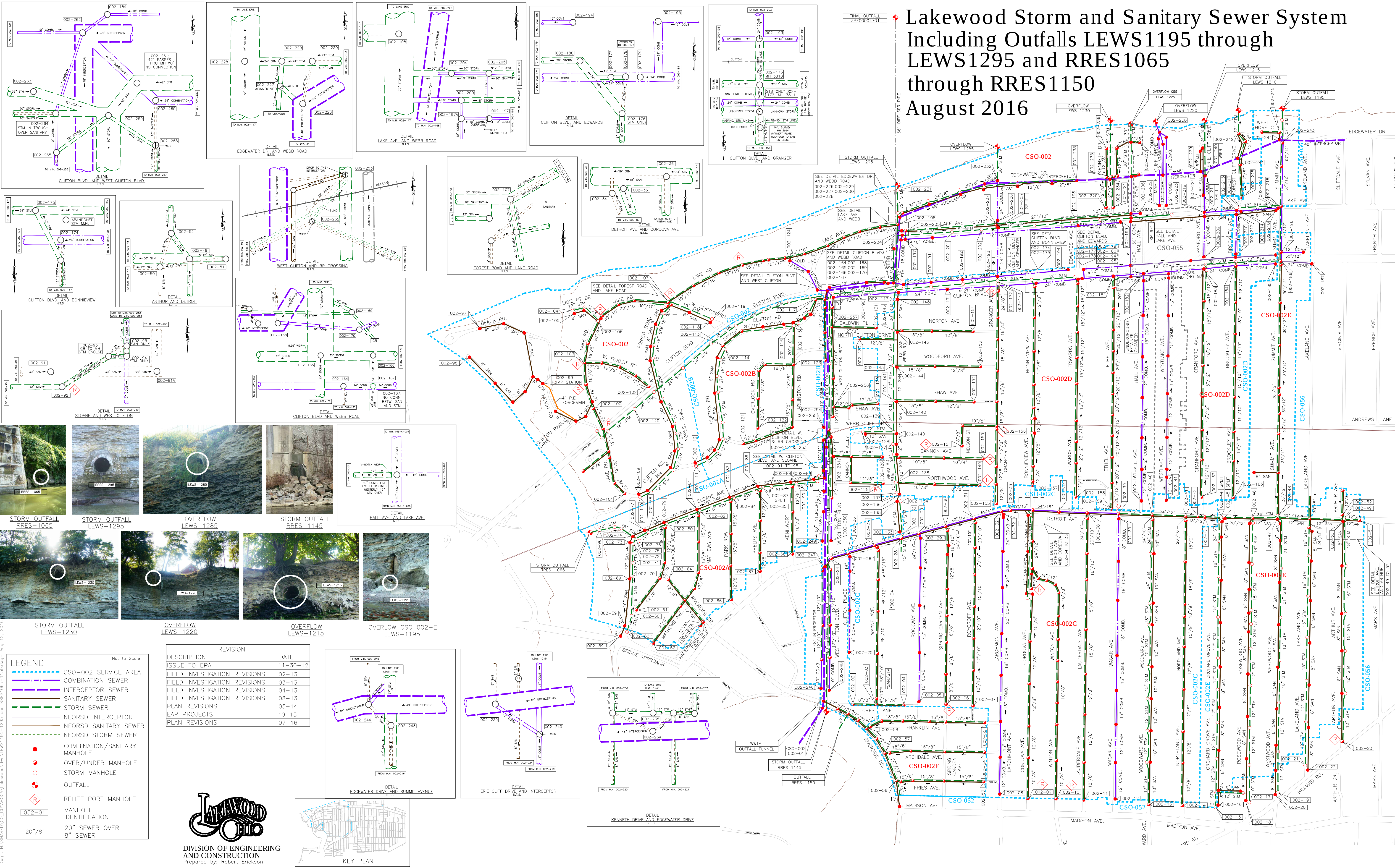


DETAIL
EDGEWATER AND INTERCEPTOR
N.T.S.



DETAIL
CLIFTON AND OUTFALL
N.T.S.

Lakewood Storm and Sanitary Sewer System
Including Outfalls LEWS1195 through
LEWS1295 and RRES1065
August 2016



Dwg : H:\SHARED\CO_CUYAHOCA\Lakewood\dwg\CS0-054-53_Map_Div.dwg - Aug 12 2016 - 3:41pm



LEGEND

Not to Scale

	CSO-054 SERVICE AREA
	COMBINATION SEWER
	INTERCEPT SEWER
	SANITARY SEWER
	STORM SEWER
	COMBINATION/SANITARY MANHOLE
	OVER/UNDER MANHOLE
	STORM MANHOLE
	OUTFALL
054/53-01	MANHOLE IDENTIFICATION
20"/8"	20" STORM SEWER OVER 8" SANITARY

A line drawing of a building's footprint with a red arrow pointing to the entrance. The text "KEY PLAN" is written below the drawing.



August 2016



DIVISION OF ENGINEERING
AND CONSTRUCTION
Prepared by: Robert Erickson

Attachment B
Hydraulic Model Technical Memorandum

City of Lakewood, Ohio

**Integrated Wet-Weather Improvements Plan
Hydraulic Modeling
Technical Memorandum**

**Final
City Comments Addressed
November 11, 2014**

CT Job No. 1101601

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APPENDIX B

NEORS D Westerly WWTP Modeling Report from ODOT CUY-90-14.90 Project

APPENDIX C

Table 8 from Huff, Floyd A., and James R. Angel. Rainfall Frequency Atlas of the Midwest. Illinois State Water Survey, Champaign, Bulletin 71, 1992.

APPENDIX D

Meter Site Data Sheets

APPENDIX E

Groundwater Infiltration Time Patterns

APPENDIX F

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APPENDIX G

Dry-Weather Flow Calibration Plots for All Monitors

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SSOAP RTK Parameters

APPENDIX I

Interceptor Sewer CCTV Videos

APPENDIX J

Typical Year Precipitation Data

APPENDIX K

CSO Tributary Flow Maps

LIST OF ABBREVIATIONS

BFP	Basement Flooding Problem
BMP	Best Management Practices
BWF	Base Wastewater Flow
CB	Catch Basin
CCTV	Closed-Circuit Television
City	City of Lakewood
CLE	Cleveland Hopkins International Airport
CSO	Combined Sewer Overflow
DWF	Dry-Weather Flow
FEMA	Federal Emergency Management Agency
GIS	Geographic Information System
GWI	Groundwater Infiltration
I/I	Infiltration and Inflow
IWWIP	Integrated Wet-Weather Improvements Plan
LID	Low-Impact Development
LTCP	Long Term Control Plan
MH	Manhole
NEORS	Northeast Ohio Regional Sewer District
NFIP	National Flood Insurance Program
NOAA	National Oceanic and Atmospheric Administration
NWI	Northwest Interceptor
NWS	National Weather Service
O/U	Over/Under Sewer Configuration
OEPA	Ohio Environmental Protection Agency
RDII	Rainfall Dependant Infiltration and Inflow
RG	Rain Gauge
SSO	Sanitary Sewer Overflow
SSOAP	Sanitary Sewer Overflow Analysis and Planning Toolbox
SWMM	Stormwater Management Model
USDA	United States Department of Agriculture
USEPA	United States Environmental Protection Agency
USGS	United State Geological Survey
VCP	Vitrified Clay Pipe
WaPUG	Wastewater Planning and Users Group
WWF	Wet-Weather Flow
WWTP	Wastewater Treatment Plant

EXECUTIVE SUMMARY

ES.1 INTRODUCTION

The City of Lakewood (City) was issued a National Pollutant Discharge Elimination System (NPDES) Permit by the Ohio Environmental Protection Agency (OEPA) regarding discharges to the waters of the State of Ohio from the City's Wastewater Treatment Plant (WWTP). The City is negotiating with the United States Environmental Protection Agency (USEPA) to develop an Integrated Wet-Weather Improvements Plan (IWWIP) to address the nine combined sewer overflows (CSOs) within the City's collection system network.

To effectively develop an IWWIP that satisfies the requirements set forth by the Clean Water Act (CWA) and does not exceed the financial capabilities of the City, the City initiated a collection system modeling project to understand the complex system interactions. The primary objective of the Lakewood modeling project is to develop an updated computer model of the current sanitary sewer system for the City. The model is the primary tool used to study and evaluate the hydrologic and hydraulic performance of the City's sewer collection system and to explore improvement alternatives.

ES.2 COLLECTION SYSTEM

Most of the City's sewers follow the street layout and generally flow from the south to the north to the interceptor sewer that closely follows the location of Edgewater Drive. Once entering the interceptor sewer, the flow moves from east to west before turning south to the wastewater treatment plant (WWTP), located on the Rocky River at the southern end of West Clifton Boulevard.

The City's sewer collection system contains approximately 875,000 total linear feet of sewers (393,500 linear feet of sanitary sewers, 348,000 linear feet of storm sewers, and 133,500 linear feet of combined sewers) serving the nearly 52,000 City residents. Besides serving all of Lakewood, the Lakewood WWTP treats flow from 106 homes in the City of Rocky River.

Almost all of the sanitary sewers in the City were constructed in an "over/under" (O/U) configuration where the storm was constructed directly above the sanitary sewer. There are a few isolated streets with separate trench sanitary sewers and at least two streets with O/U sewers where the sanitary sewer is above the storm sewer.

The City of Lakewood has nine permitted combined sewer overflows. Three (3) permitted overflows discharge combined storm and wastewater to the Rocky River at the southwestern edge of the City's collection system. Six (6) permitted overflows discharge

to Lake Erie at the northern limits of the City's collection system. **Table ES.1** is a list of these structures and their locations.

Table ES.1: City of Lakewood Permitted Combined Sewer Overflows

CSO	Location	Receiving Water
002	W. Clifton	Lake Erie
052	Madison at Riverside	Rocky River
053	Valley Parkway	Rocky River
054	Detroit at Scenic	Rocky River
055	Edgewater at Kenneth	Lake Erie
056	Edgewater at Rosalie	Lake Erie
057	Lakewood Park	Lake Erie
058	Edgewater at Roy	Lake Erie
059	Gold Coast	Lake Erie

ES.3 SINGLE-EVENT MODEL

The SWMM model is a powerful tool for system analysis. The model results can provide insight to complicated hydraulics that may otherwise not be understood and identify potentially unknown problem areas in the system.

Before any precipitation events can be simulated in the model, a dry-weather flow (DWF) analysis must be executed. The purpose of DWF analysis is to characterize the sewer system's behavior when it is not under the influence of precipitation. The analysis of dry-weather is the basis for all other model calibration efforts and applications. DWF calibration for the Lakewood model was evaluated against Wastewater Planning and Users Group (WaPUG) calibration parameters. The DWF calibration met the WaPUG criteria for each meter. **Figure ES.1** is an example of the DWF calibration results. The graph shows the field measured data as a heavy black curve (M052 (obs)). The diurnal pattern is clearly evident in the observed data. The model generated flows are shown as a thin red curve (002-243_U and M052) on top of the observed data. Dry-weather flow calibration is discussed in detail in Chapter 5 of this report.

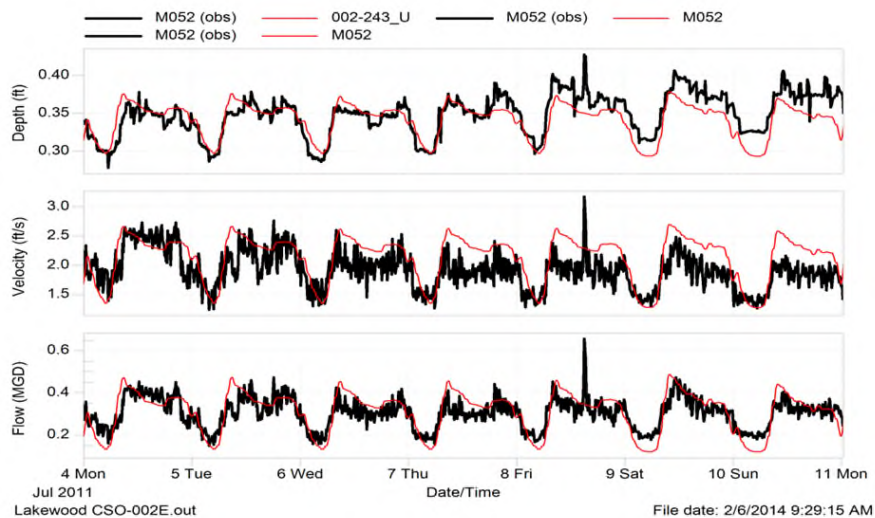


Figure ES.1: Example DWF Calibration Results

The general purpose of wet-weather flow (WWF) analysis is to characterize the sewer system's response under the influence of precipitation. The USEPA's Sanitary Sewer Overflow Analysis and Planning (SSOAP) Toolbox is the primary tool used to classify the WWF response. WWF parameters were input in the SWMM model from the information obtained from SSOAP. The WWF calibration was generally good. Several meters did not record quality data making WWF calibration extremely difficult. Meters with poor data were not used for calibration. **Figure ES.2** is an example of the single-event WWF calibration results. The graph shows the field measured data as a black curve (M015 Obs). The rainfall dependent response is clearly evident in the observed data. The model generated flows are shown as a red curve (055C672_055C008) on top of the observed data. Wet-weather flow calibration is discussed in detail in Chapter 6 of this report.

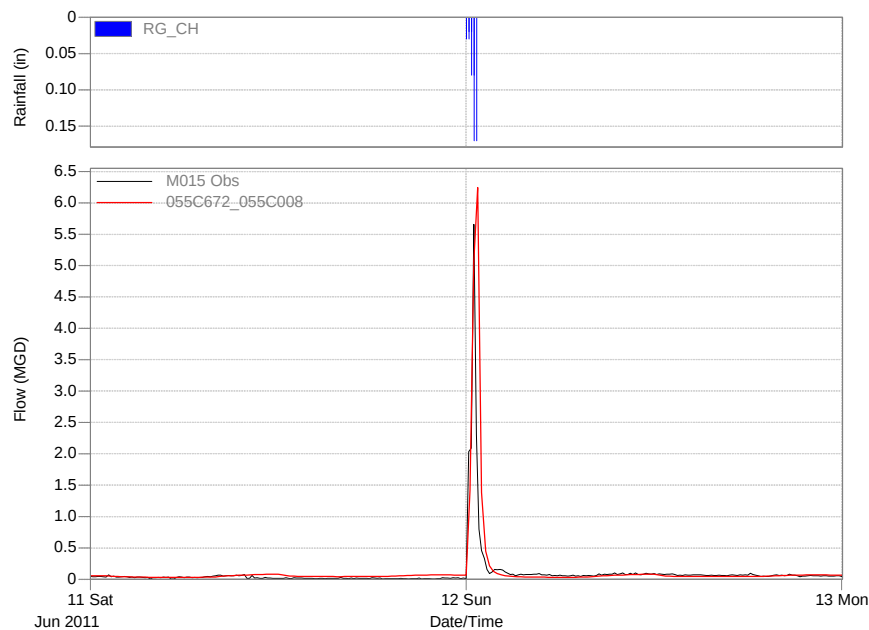


Figure ES.2: Example Single-Event WWF Calibration Results

ES.4 CONTINUOUS SIMULATION MODEL

The general purpose of continuous simulation is to characterize the sewer system's response to precipitation and recovery before subsequent precipitation events. The continuous simulation of the Lakewood system model is discussed in detail in Chapter 8 of this report.

The first continuous simulation model developed was used to simulate the flow monitoring period. After the continuous model was calibrated to the flow monitoring period, the typical year precipitation record was simulated in the calibrated model to determine the number of overflow activations and volume discharged during a typical precipitation conditions. The typical year modeled CSO activation results are summarized in **Figure ES.3**. The typical year model results show CSO-055 as the most active CSO and January as the most active month for CSO-055 activations. The configuration of CSO-055 is such that the water depth in the 30-inch sewer only needs to exceed seven inches to report as an activation. The continuous simulation model was calibrated to the available months' data for all meters and CSOs. Since January was not a metered month, the parameters were estimated. Modeled CSO-055 could be reporting a high number of activations and the other CSOs could be reporting low numbers of activations. Long-term metering and calibrating to the meter data would provide more confidence in the dormant season calibration.

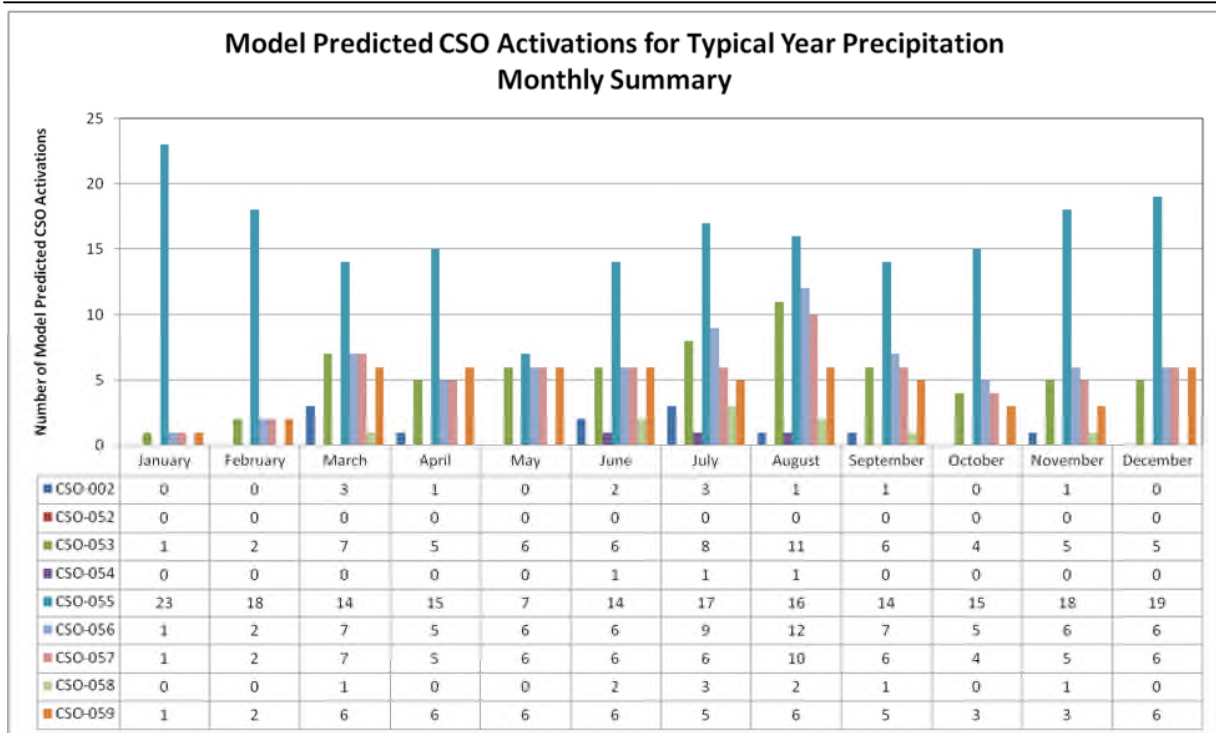


Figure ES.3: Modeled CSO Activation Monthly Summary: Typical Year

ES.5 SUMMARY

The most comprehensive collection system effort ever undertaken in the City of Lakewood was completed as part of this project. Field investigations revealed many unknowns about the City's sanitary, storm, and combined sewer networks. The field information was used to help build, calibrate, and analyze the SWMM model used to evaluate the performance of the sewer system.

Dry-weather flow calibration was the first step completed for model calibration. After DWF calibration, the model was calibrated for isolated, single, precipitation events. When the single-event calibration was complete, long-term continuous calibration and simulation was initiated. Using the calibrated continuous simulation model, a typical year precipitation record was simulated in the model to establish a baseline for the City's future IWWIP capital improvements. The results of the typical year model are summarized in **Table ES.2**.

Table ES.2: Modeled Typical Year CSO Frequency and Volume Summary¹

Overflow	Modeled Node	Conduit	Frequency (#/yr)	Volume (MG)
002	CSO002	002C002_CS0002	12	3.16
052	052T004	052S005_052T004	0	0.00
053	053C009A	053C009_053C009A	66	0.09
054	053RRWS-1200	053S001_053RRWS-1200	3	3.53
055	055C003A	055C003_055C003A	190	0.59
056 ²	056C915A; 056C490B	056C915_056C915A; 056C490_056C490B	72	36.48
057	057T001	057T001_057C343	64	2.17
058	058C001A	058C001A_058C001B	10	2.23
059	059C001	059C001_059S001	55	35.75

¹Frequency and volume represent a 12-month period simulated by the model

²CSO-056 is reported as one outfall, but is physically two pipes

CHAPTER 1 - INTRODUCTION

1.1 PURPOSE

The City of Lakewood (City) was issued a National Pollutant Discharge Elimination System (NPDES) Permit by the Ohio Environmental Protection Agency (OEPA) regarding discharges to the waters of the State of Ohio from the City's Wastewater Treatment Plant (WWTP). The City is negotiating with the United States Environmental Protection Agency (USEPA) to develop an integrated wet-weather control plan (IWWIP) to address the nine combined sewer overflows (CSOs) within the City's collection system network.

To effectively develop a IWWIP that satisfies the requirements set forth by the Clean Water Act (CWA) and does not exceed the financial capabilities of the City, the City initiated a collection system modeling project to understand the complex system interactions. Previous sewer studies did not adequately document the cross connections between the sanitary and storm sewer systems at over/under (O/U) sewers, locations where combined sewers flow into separate sewers, and illicit private connections.

The purpose of this study is to build, calibrate, and analyze a comprehensive sewer collection system model to help develop the goals of the IWWIP. The goals of the IWWIP are to:

- Bring all sewage overflow discharge points into compliance with the technology and water quality based requirements of the CWA and Ohio Revised Code Section 6111
- Minimize water quality and human health impacts
- Minimize the discharge of pollutants

1.2 OBJECTIVES

The primary objective of the Lakewood modeling project is to develop an updated computer model of the current sanitary sewer system for the City. The model is the primary tool used to study and evaluate the hydrologic and hydraulic performance of the City's sewer collection system and to explore improvement alternatives. The City established the following requirements and objectives for the model to meet the project goals:

- The model engine will be the USEPA Stormwater Management Model (SWMM) 5.0 hydrologic and hydraulic model
- The new model will be developed using existing sewer maps and collecting field data
- All City-owned sanitary sewers eight-inches in diameter and greater will be modeled in SWMM

- The model will be calibrated and verified for both dry- and wet-weather flows using data supplied from the City's flow monitoring network placed in 2011
- The model will be used to predict the frequency and volume of discharges at the outfalls to the environment for a typical year simulation
- The model will be used to provide the basis for designing improvement alternatives to eliminate sanitary sewer overflows (SSOs) and limit CSOs to an acceptable level as determined by the OEPA

1.3 GOALS

The sewer system model developed as part of the City's effort to control overflows stems from the need to understand how the sewer system functions. Unless a knowledge base is developed on the complex hydraulics inherent in the Lakewood sewer system, any plan to limit or eliminate overflows is highly likely to be ineffective and could potentially result in the City investing in projects that have little or no impact on overflow control.

The City embarked on developing a sewer system model using the USEPA SWMM software. To support development of the model, the City decided not to rely on previous mapping and modeling data since there was no way to verify the information was accurate or whether the information was obtained from a reliable source. A cursory review of previous mapping/modeling revealed that overflows located at the upper reaches of the sewer system were not incorporated into the model, and other overflows were simply overlooked by previous studies.

In conjunction with developing the SWMM model, the City dedicated a sewer crew to open manholes and trace majority of the sanitary sewer system within the City. Since many of the sewers are of the O/U configuration, this would also result in tracing of much of the City's storm sewer system. As the system was investigated, new maps of the sewer system were created representing sanitary sewers, combined sewers, storm sewers, and interceptor sewers. Also, sewers owned by the Northeast Ohio Regional Sewer District (NEORS) were differentiated.

The goals accomplished during the course of this project include:

1. Identify system outfalls, cross connections, and other locations of potential CSOs
2. Update sewer mapping
3. Build, calibrate, and analyze a comprehensive system model
4. Establish a baseline scenario for evaluating future system improvements using the typical year precipitation

CHAPTER 2 - DESCRIPTION OF THE LAKEWOOD SEWER SYSTEM

2.1 INTRODUCTION

The City of Lakewood is located in the State of Ohio on the shores of Lake Erie, just west of the City of Cleveland. Lakewood shares a border with the City of Cleveland on the east and south, the City of Rocky River on the west, and Lake Erie on the north. The Rocky River forms much of the western border between Lakewood and the City of Rocky River. **Figure 2.1** shows the location of the City of Lakewood.

The City of Lakewood (the City) is the third largest city (by population) in Cuyahoga County, out-ranked only by the City of Cleveland and the City of Parma. While the City is third in population, the 5.5 square mile City of Lakewood ranks first in population density in the entire State of Ohio. As home to approximately 52,000 residents, the population density of Lakewood rivals that of much larger cities such as Washington D.C.

The land surface in the City slopes uniformly northward toward Lake Erie except for a small portion of the City contiguous to the Rocky River which slopes toward the river. Roughly 66 percent of the City's storm sewer system discharges to Lake Erie with the balance discharging to the Rocky River. The City is located on a bluff that is 50 to 60 feet above Lake Erie and the Rocky River. There are no public beaches within the City except for a small private beach at the mouth of the Rocky River.

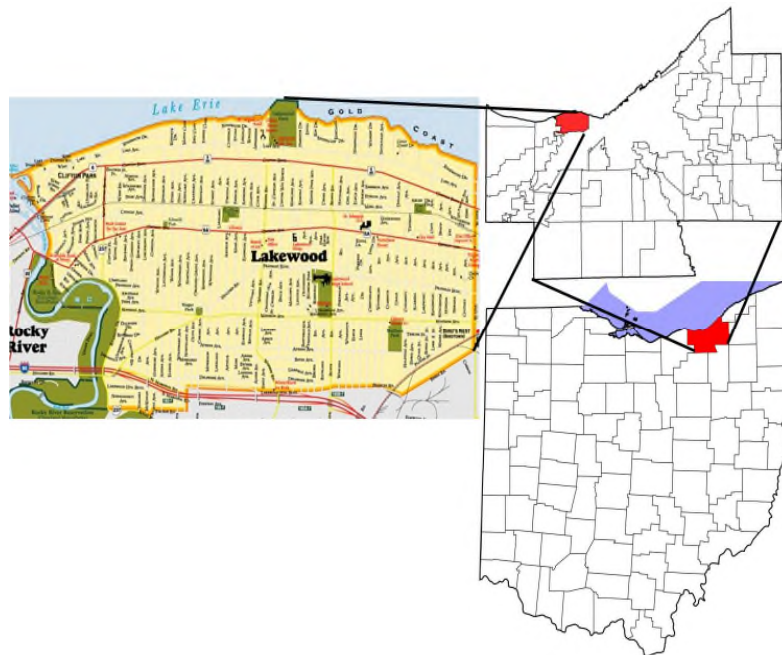


Figure 2.1: Lakewood, Ohio

2.2 DESCRIPTION OF THE SEWER SYSTEM

Most of the City's sewers follow the street layout and generally flow from the south to the north to the interceptor sewer that closely follows the location of Edgewater Drive. Once entering the interceptor sewer, the flow moves from east to west before turning south to the wastewater treatment plant (WWTP), located on the Rocky River at the southern end of West Clifton Boulevard.

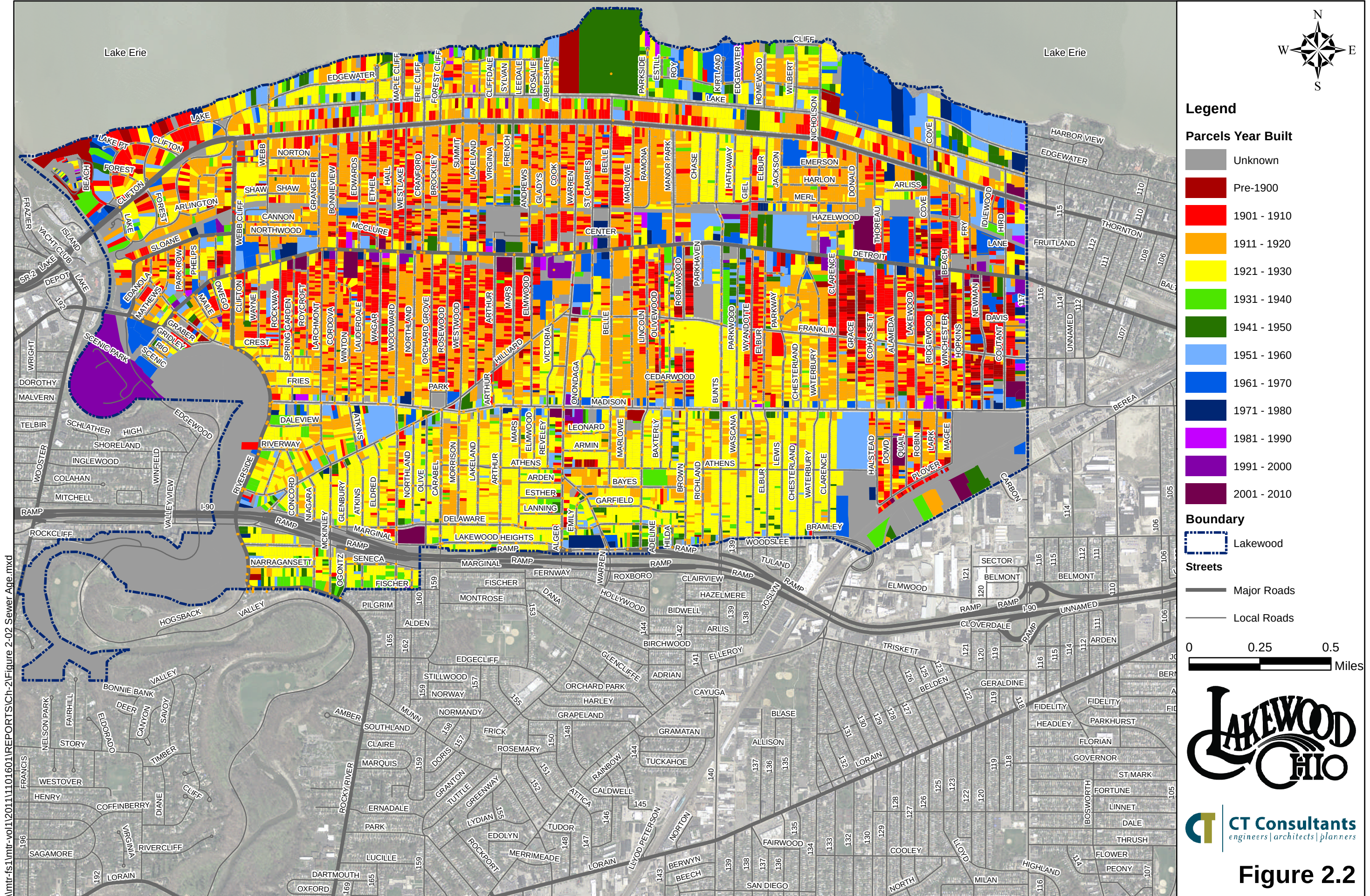
The City's sewer collection system contains approximately 875,000 total linear feet of sewers (393,500 linear feet of sanitary sewers, 348,000 linear feet of storm sewers, and 133,500 linear feet of combined sewers) serving the nearly 52,000 City residents. Besides serving all of Lakewood, the Lakewood WWTP treats flow from 106 homes in the City of Rocky River. There are three small pump stations in the Lakewood sewer system, one of which is owned and operated by the Cleveland Metroparks.

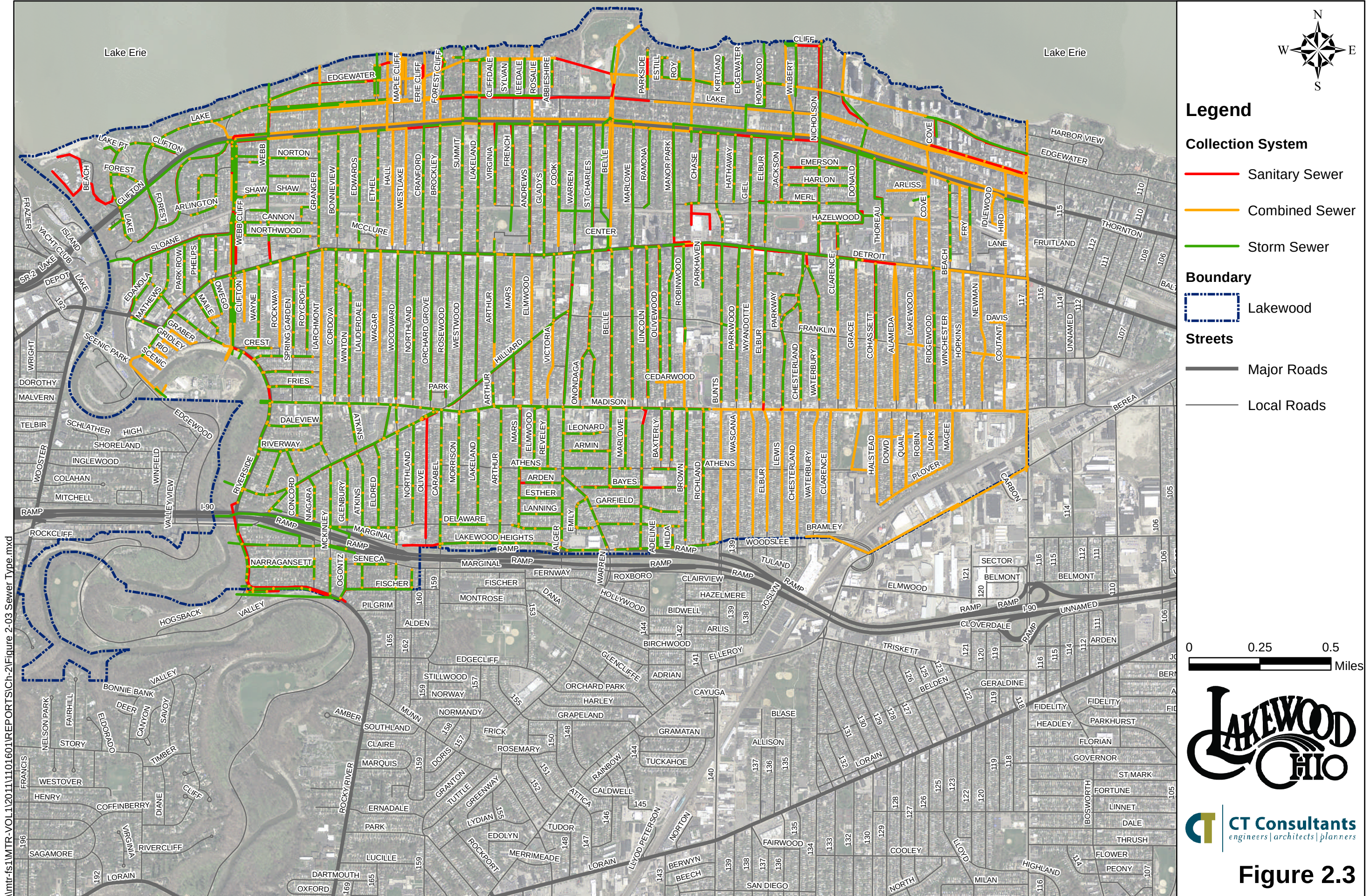
Sewer construction began in the City around 1900. By 1930, approximately 80 percent of the sewers in the City had been constructed. In 1903, Lakewood completed construction of its first WWTP, located on the banks of the Rocky River at the western edge of the City. A surrogate for the age of the sewer is the age of the buildings in the City. It is reasonable to assume that when the building was constructed, sewer service was provided. **Figure 2.2** shows the parcel age of the City by decade.

Almost all of the sanitary sewers in the City were constructed in an "over/under" (O/U) configuration where the storm was constructed directly above the sanitary sewer. There are a few isolated streets with separate trench sanitary sewers and at least two streets with O/U sewers where the sanitary sewer is above the storm sewer. The eastern 25 percent of the City is primarily combined sewers, although there are combined sewers on isolated streets in the western portion of the system. **Figure 2.3** shows the location of the City's sewers, color-coded by the type of sewer.

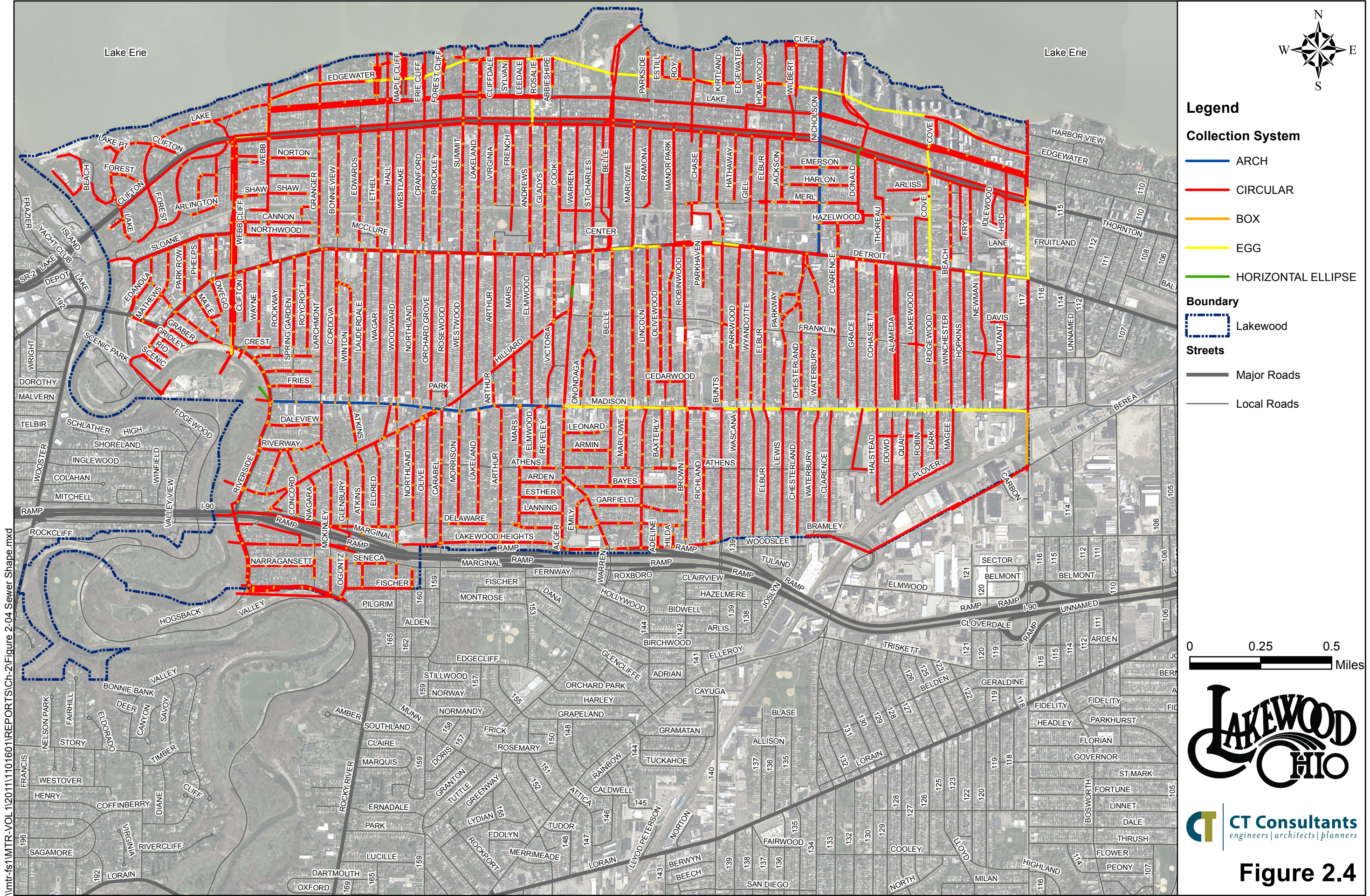
Records from the early 1900s are incomplete; however, from the information available, it is thought that the sanitary and combined collection systems are vitrified clay pipe (VCP) with brick and mortar manholes. Larger trunk sewers in the City adhere to the City of Cleveland's standard egg-shaped cross sections and most are constructed of brick with integral brick manholes. Also scattered throughout the City are larger diameter storm and sanitary sewers constructed of segmented loose laid tile pieces which depend on compressive soil forces to maintain their integrity. These sewers are found in both circular and egg-shaped cross sections. **Figure 2.4** shows the location of the City's sewers, color-coded by the shape of the sewer.

The City's main interceptor (constructed in phases over a 20-year period starting in the 1920s) is egg-shaped and constructed of segmented tiles. Most large sewers constructed after 1950 were constructed using concrete.





\\mtr-fs1\MTR-VOL1\2011\1101601\REPORTS\Ch-2\Figure 2-03 Sewer Type.mxd



\\mtr-fs1\MTR-VOL-1\2011\1101601\REPORTS\Ch-2\Figure 2-04 Sewer Shape.mxd

2.3 TYPES OF SEWER TRENCH CONSTRUCTION

Any discussion of the Lakewood sewer system requires knowledge of the different types of sewer construction existing in the planning area.

The City of Lakewood sewer system has a substantial quantity of O/U sewers with the storm sewer directly above the sanitary and only one manhole to access both pipes. **Figure 2.5** illustrates the typical configuration of the O/U sewers. An invert plate in the “over” sewer allows access to the “under” sewer. O/U sewers were built predominantly during the 1920s and 30s although invert plate sewers were installed until the 1950s. This type of sewer is not known to exist anywhere else in the country other than in northeast Ohio.

INVERT PLATE SEWER CONSTRUCTION

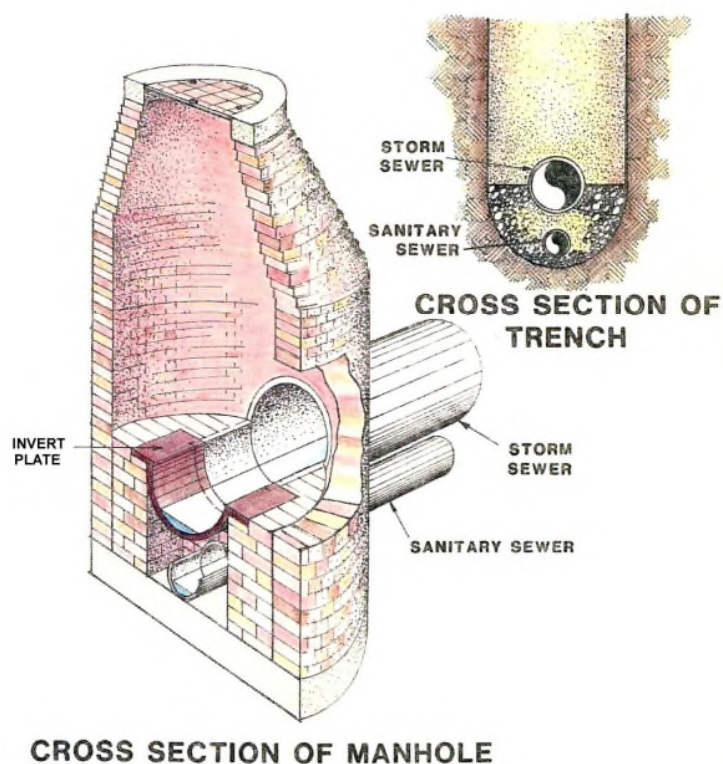


Figure 2.5: Sketch of Over/Under Sewer Configuration

In O/U manholes, a trough shaped plate is laid across the storm sewer invert from the upstream conduit to the downstream conduit to convey storm water. The invert plate is grouted into place so storm water cannot enter the sanitary sewer below. In order to

access the sanitary sewer, the invert plate has to be physically pried open, breaking all the concrete grout. Maintenance crews leaving the manhole must re-grout the invert plate or it becomes a large inflow source during subsequent precipitation events.

During construction of the sanitary sewer (generally eight-inches to 12-inches in diameter) two-foot sections of VCP were laid on a bed of granular sand. Then the trench was backfilled with more granular sand to a depth of approximately six-inches above the crown of the sanitary sewer. The storm sewer was laid directly above the sanitary on that bedding. Backfilling with granular material continued to the springline of the storm sewer, (also generally built with two-foot VCP sections), and finally the trench was filled in with premium (granular) backfill. Cement joints were used during construction of both sewers. The O/U configuration of the sewer collection systems leaves the “under” sewer extremely susceptible to infiltration and inflow (I/I). Whatever joint sealing compound was originally used has deteriorated, so today, storm water can leak out of joints in the storm sewer, through the permeable backfill, and infiltrate the sanitary sewer joints.

Common trench sewers with separate manholes make up a very small portion of the City’s collection system. **Figure 2.6** illustrates the configuration of common trench sewers. Common trench sewers are laid in the same trench, but not directly over one another. The sanitary sewer was laid at the bottom of the trench and backfilled with the same type of porous granular sand used in O/U sewer construction. The storm sewer was laid on a bench above and partially off to the side of the sanitary sewer, and the trench was further backfilled with granular material to the springline of the storm sewer. From there, backfilling continued to street level using premium backfill. Typical joint materials used in construction of common trench sewers in the 1920s, 30s, and 40s were jute and mortar or asphalt. Bituminous slip seal joints were used in the 1950s, and since the 1960s, premium joint pipes have been used (e.g. “water tight” rubber gaskets).

In general, the dual manholes in common trench sewers are built as one box structure with two chimneys, one for the sanitary, and one for the storm sewer. The side of the storm sewer usually bulges through the wall of the sanitary chimney.

Private house laterals and private business laterals typically comprise approximately half (or more) of the linear footage of sewers in the City’s sewer system. Over 90 percent of the private laterals were constructed in common trenches with whatever joint material that was in use at the time of construction. In some of the older areas of the City, over 90 percent of private laterals contribute storm water I/I to the sanitary sewer system. Most of the private lateral infiltration problems are indirect connections (e.g. disconnected downspouts, yard infiltration) rather than direct storm water connections (e.g. driveway drains, catch basins) to the sanitary sewer.

COMMON TRENCH SEWER

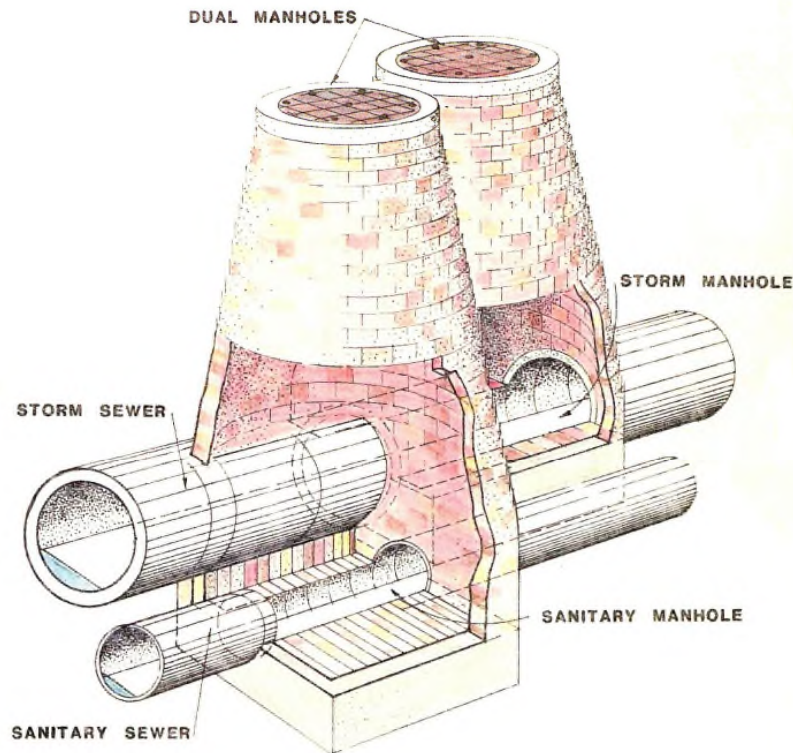


Figure 2.6: Sketch of Common Trench Sewer Configuration

2.4 SUMMARY OF PREVIOUS SEWER SYSTEM MAPPING/MODELING

Historically, Lakewood's sewer system maps have been two-dimensional schematic maps. These maps, while drawn to scale, were tied to local coordinates (e.g. elevation above mean Lake Erie level) not global coordinates (e.g. elevation above mean sea level or US NAV29 datum). The earliest sewer system maps that the City has in their files are dated 1917 and were originally drawn at a scale of 1 inch = 200 feet (**Figure 2.7 and Figure 2.8**). O/U sewer construction was shown as a single line with two size notations; one size for the storm sewer and the other size for the sanitary sewer. The numbers were shown one over the other with the storm sewer being the upper (and usually larger) number. Combined sewers were indicated by a single sewer size designation. Storm sewers, while shown, were generally indistinguishable from other sewers. The map was originally drawn in ink with updates added in pencil. Elevations at many manholes are indicated with top of casting and invert elevations referencing feet above lake level.

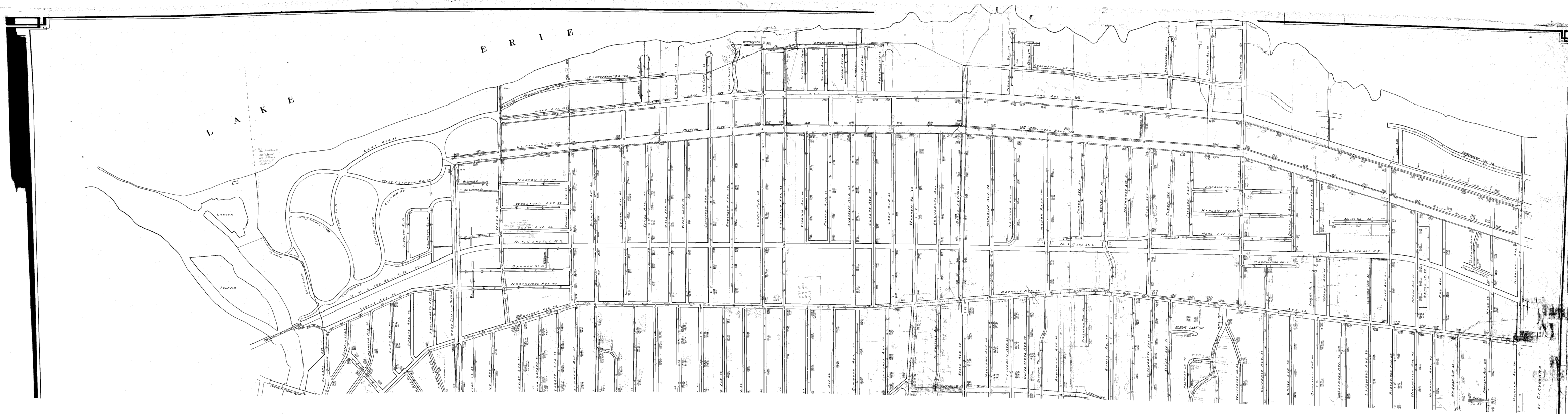


Figure 2.7

A new sewer system map and computer model was developed in 1975 by Watermation Incorporated of Saint Paul, Minnesota to support the City's Wastewater Facility Plan (also by Watermation), completed in 1978. The model was written in Fortran IV and run on an IBM 370 (or similar) size mainframe computer. The model was skeletal, incorporating only the interceptor, major trunk sewers, and regulators. Catchments representing large drainage areas (including collector and local sewers) were developed as inputs to the skeletal sewer system. The analysis was limited to modeling a single 10-year storm event.

Havens & Emerson Consultants of Cleveland, Ohio were retained to perform an *Inflow Identification Program* in 1984, a *Madison Avenue Drainage Study* in 1991, and a *CSO Operational and Maintenance Plan* in 1992. All of these studies were limited in scope and geographical area – none encompassed the entire sewer system although the 1992 study did advance the understanding of the CSO regulators along the Rocky River and Lake Erie shoreline.

In 2000, CDM (now CDM Smith) was retained to populate the City's GIS database for the sanitary sewer system tributary to the permitted CSO outfalls. CDM Smith inspected, sketched, and photographed approximately 638 manholes, which constitutes about 25 percent of the City's sanitary sewer system. The project was terminated when funding expired. While the individual manhole details obtained during this project are valuable, they lacked connectivity to each other and therefore do not enhance the understanding of how the sewer system functions. No system map updates were produced under this project.

The City retained Metcalf and Eddy (now AECOM) in 2003 to prepare a long term control plan (LTCP) for control of combined sewer overflows. A sewer system model was developed using DHI MOUSE 2003 software (a predecessor to DHI's Mike Urban software), a proprietary modeling platform that the City does not own. The model was limited to the interceptors, trunk sewers, and selected collector sewers using existing sewer information and record drawings. It was acknowledged in the model documentation that a significant number of regulators (e.g. overflows) were not identified and therefore were not included in the model. While the LTCP advanced a strategy to limit the number of overflows to less than four in a typical year, the lack of a fundamental understanding of the sewer system inhibited its effectiveness. No updates to the sewer system mapping were done as part of this project.

2.5 CURRENT SEWER SYSTEM MAPPING/MODELING

The sewer system model developed as part of the City's effort to control overflows stems from the need to understand how the sewer system functions. Unless a knowledge base is developed on the complex hydraulics inherent in the Lakewood sewer system, any plan to limit or eliminate overflows is highly likely to be ineffective and could potentially result in the City investing in projects that have little or no impact on overflow control. None

of the previous mapping updates nor models were developed using software that was readily available on the open market which the City could acquire at little or no cost. With these caveats, the City embarked on developing a sewer system model using the Storm Water Management Model (SWMM) software developed by the United States Environmental Protection Agency (USEPA). This software has been thoroughly tested and is widely accepted for storm sewer and sanitary sewer analysis and was written using the C software language. The current version is SWMM 5.1.005 and enhancements have been made to model sanitary sewers as well as storm systems including green infrastructure practices. Since the software is available free of charge from the USEPA and because it has become the modeling software of choice for a variety of sewer systems, this software was chosen for developing a comprehensive model of Lakewood's collection system.

To support development of the model, the City decided not to rely on previous mapping and modeling data since there was no way to verify the information was accurate or whether the information was obtained from an unreliable source. A cursory review of previous mapping/modeling revealed that overflows located at the upper reaches of the sewer system were not incorporated into the model, and other overflows were simply overlooked by previous studies.

Therefore, in conjunction with developing the SWMM model, the City dedicated a sewer crew to open manholes and trace all of the sanitary sewer system within the City. Since many of the sewers are of the O/U configuration, this would also result in tracing of much of the City's storm sewer system. As the system was investigated, new maps (in AutoCAD) of the sewer system were created using different line types representing sanitary sewers, combined sewers, storm sewers, and interceptor sewers. Also sewers owned by the Northeast Ohio Regional Sewer District (NEORS) were differentiated. To assist in the understanding of the interconnectivity, enlargements of key intersections and sewer junctions were developed and included on the new sewer system maps. Key manholes were identified with unique identifying numbers indexed to permitted CSO's in the City's NPDES permit. All outfalls to Lake Erie and the Rocky River identified in an outfall survey conducted in 2007 for the City by AECOM were cross referenced and identified on the maps (exceptions being four-inch and six-inch outfalls from private property).

The intensive field investigation of the sewer system identified an additional 51 locations where untreated sewage could migrate to pipes that ultimately discharge to the Rocky River or Lake Erie without treatment. These points had not been incorporated into previous models nor located and identified in previous sewer system maps.

2.6 PERMITTED OVERFLOWS

The City of Lakewood currently has nine permitted combined sewer overflows. **Figure 2.9** shows the locations of the permitted overflows. Three (3) permitted overflows

discharge combined storm and wastewater to the Rocky River at the southwestern edge of the City’s collection system. Six (6) permitted overflows discharge to Lake Erie at the northern limits of the City’s collection system. **Table 2.1** is a list of these structures and their locations.

Table 2.1: City of Lakewood Permitted Combined Sewer Overflows

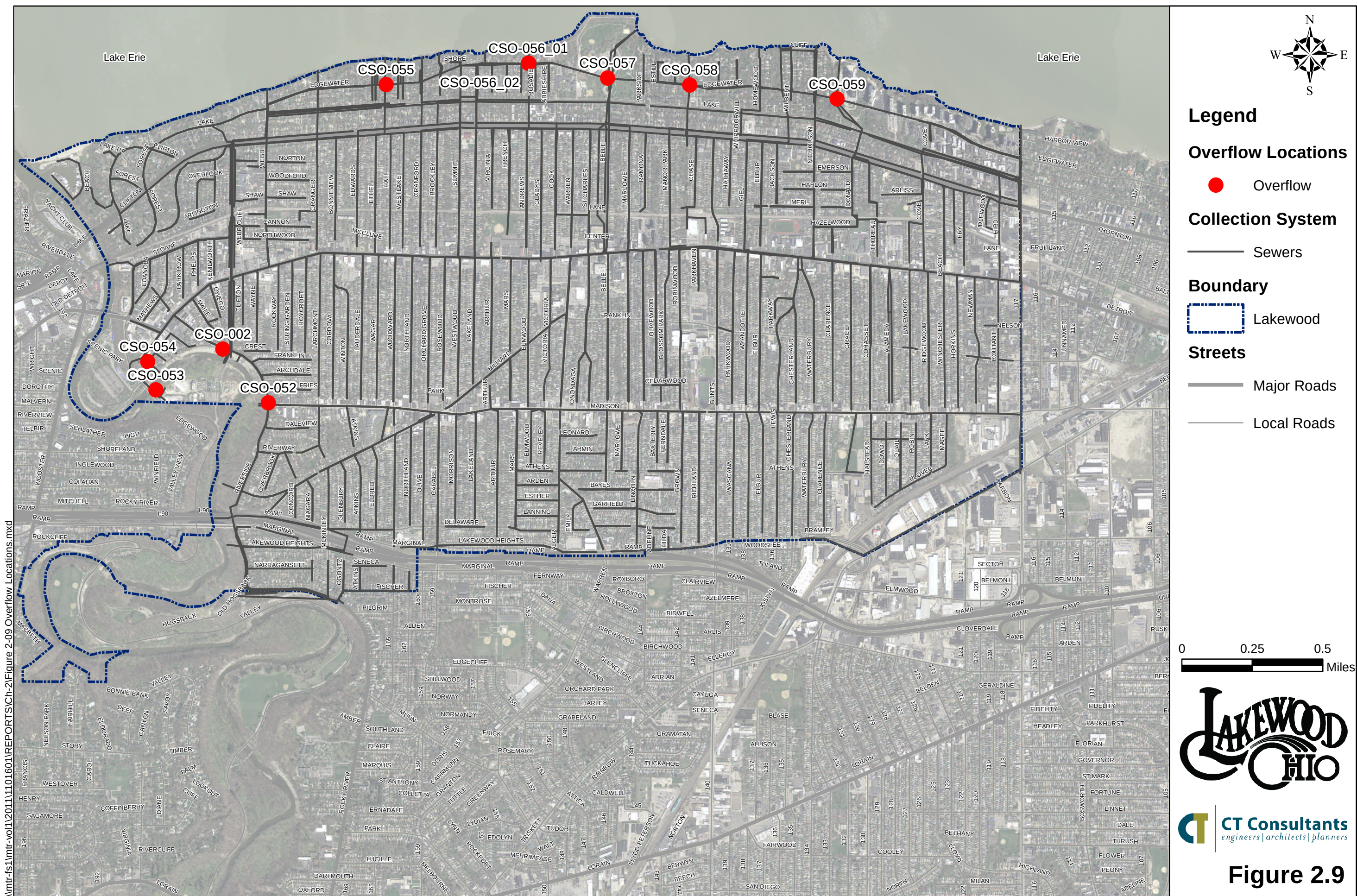
CSO	Location	Receiving Water	Modeled Node	Conduit
002	W. Clifton	Lake Erie	CSO002	002C002_CSO002
052	Madison at Riverside	Rocky River	052T004	052S005_052T004
053	Valley Parkway	Rocky River	053RRES1200	053C002_053RRES1200
054	Detroit at Scenic	Rocky River	053C009A	053C009_053C009A
055	Edgewater at Kenneth	Lake Erie	055C003A	055C003_055C003A
056 ¹	Edgewater at Rosalie	Lake Erie Lake Erie	056LEWS1145; 056LEWS1140	056C915A_056LEWS1145; 056C490B_056LEWS1140
057	Lakewood Park	Lake Erie	057T001	057T001_057C343
058	Edgewater at Roy	Lake Erie	058C001B	058C001A_058C001B
059	Gold Coast	Lake Erie	059S001	059S001_059S1020

¹CSO-056 is physically two pipes, monitored and reported as a single overflow

2.7 UNTREATED SEWAGE RELEASE POINTS

The City has a variety of structures in the sewer collection network that were installed to prevent overloading of sewers that could result in basement flooding. These structures were most likely constructed on an “as-needed” basis as a result of property owner complaints or observed street flooding. Due to poor historic documentation and difficult site access, many of the untreated sewage release points were not well-known until the comprehensive effort of this study revealed the connectivity of the sewer system and identified these possible points of cross-connection. The structures were constructed to protect the health and safety of the users of the sewer system, or were installed to provide access for maintenance.

\\mtr-fs1\mtr-vol11\101601\REPORTS\Ch-2\Figure 2-09 Overflow Locations.mxd



2.8 SEWER CONNECTION CONFIGURATIONS

The configurations of the untreated sewerage release points spotted throughout the system are diverse and are described in Sections 2.8.1 through 2.8.8.

2.8.1 TYPE 1: COMBINED TO OVER/UNDER JUNCTION MANHOLE

A leaping weir manhole is typically located where a combined sewer connects to an O/U sewer configuration. **Figure 2.10** is a sketch of the leaping weir configuration. A single combined sewer pipe enters the manhole and two pipes exit the manhole; a lower pipe connected to the “under” sewer and an upper pipe connected to the “over” sewer. During dry-weather and minor rain events, the flow enters the lower pipe to the “under” sewer. During heavier rainfall events, flow continues to enter the “under” pipe until its capacity is exceeded. The hydraulic grade line (HGL) rises until combined flow enters the upper pipe which discharges to the “over” sewer. The “over” sewer is typically connected to an outfall at the river or lake and discharged without treatment.

The City’s SWMM model was constructed to model this configuration using two pipes exiting a node and connecting to the appropriate O/U sewer. SWMM will calculate the number of times this type the “over” pipe activates, the peak flow rate in a typical year, and the total volume.

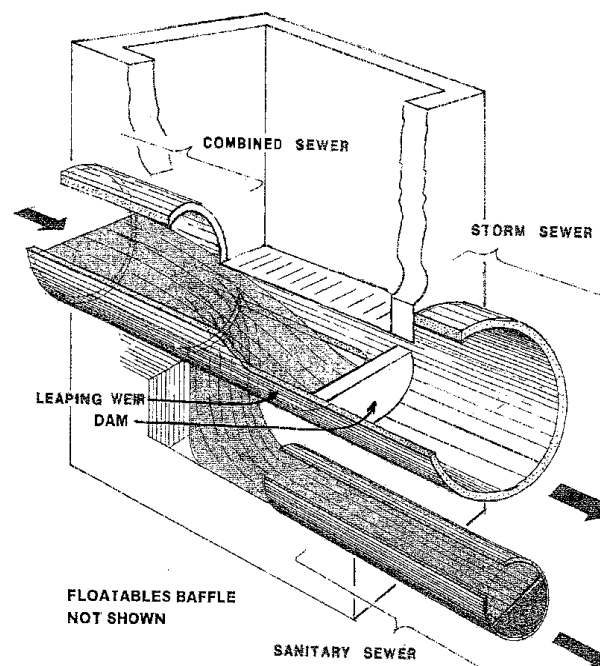


Figure 2.10: Leaping Weir

2.8.2 TYPE 2: SIDE FLOW WEIR - SHELF

Figure 2.11 is a photograph of a typical side flow weir located in the upper part of a manhole on a brick shelf spanning the manhole. The apparent purpose was to provide access to the upper sewer which usually conveyed sanitary sewage. The weir height typically was at the crown of the upper sewer or higher. The lower sewer in the manholes is typically connected to an outfall at the river or lake and discharged without treatment. In SWMM, this configuration is modeled using a side weir equation.



Figure 2.11: Side Flow Weir - Shelf

2.8.3 TYPE 3: SIDE FLOW WEIR - INVERT

This type of side flow weir is located at the bottom of the manhole where two pipes enter the manhole side-by-side. One pipe is ultimately conveys flow to the WWTP while the other pipe is connected to an outfall to the river or lake. The apparent purpose was to provide access to both sewers in a single manhole. The weir height typically is lower than the crowns of the pipes. In SWMM, this configuration is modeled using a side weir equation. **Figure 2.12** is a photograph of this type of structure.



Figure 2.12: Side Flow Weir - Invert

2.8.4 TYPE 4: SIDE FLOW WEIR – SINGLE PIPE SYSTEM

This type of side flow weir is located at the bottom of the manhole where a single pipe enters the manhole. During low flow, sewage is directed and retained within the single pipe that enters and exits the manhole. During wet-weather, if the flow exceeds the capacity of the pipe, then flow crests the weir and is usually directed to an outfall at the lake. The weir height typically is lower than the crown of the pipe. In SWMM, this configuration is modeled using a side weir equation.

2.8.5 TYPE 5: BOTTOM FLOW ORIFICE

Similar to the leaping weir, an orifice in the bottom of a manhole allows dry-weather flow to drop through to a sewer below. Wet-weather causes the flow rate to exceed the capacity of the bottom orifice and flow is directed to a sewer which ultimately discharges untreated to the lake. Unlike the leaping weir configuration, there is no weir immediately downstream of the bottom flow orifice to create additional head on the orifice increasing the flow through the orifice. In SWMM, this configuration is modeled using an orifice equation.

2.8.6 TYPE 6: DIRECT PIPE CONNECTION

Existing, but less prevalent, in the Lakewood sewer system are direct pipe connections between manholes carrying sewage and sewers that discharge flow that is untreated to the river or lake. In SWMM, this configuration is modeled using a side opening orifice equation for short pipes or as a conduit link between nodes for longer pipes.

2.8.7 TYPE 7: LEAPING WEIR

Figure 2.10 is a sketch of a leaping weir. An orifice in the bottom of the manhole allows dry weather flow to drop through to a sewer below. Wet weather causes flow to jump over the orifice to a sewer beyond the orifice opening. The flow jumping over the orifice continues to a pipe network that ultimately connects to an outfall at the lake. In SWMM, this configuration is modeled as a bottom orifice.

2.8.8 TYPE 8: CROSS CHANNELS

This type is found typically where large diameter sewers that could potentially carry sewage and storm water cross the City's major interceptor. A shallow channel crosses perpendicularly at the invert of the large sewer. Low flow is captured by the shallow channel and directed to the interceptor. Larger flows continue to an outfall at the lake. In SWMM, this configuration is modeled as a leaping weir.

2.8.9 TYPE 9: RELIEF PORTS

Figure 2.13 shows an inadvertent connection between O//U sewers in manholes that were constructed during the 1930s as part of the Works Progress Administration (WPA) program. In these manholes, a 6-inch pipe extends from

the lower sewer to the shelf at the springline (or higher) of the upper sewer. The pipe was capped at the shelf with a hinged cedar flapper. These manholes also have invert plates in them. Apparently, the pipe was designed to relieve pressure in the lower sewer during surcharging and thereby preventing dislodging of the invert plate. However, over time, the cedar flappers and carbon steel hinges have rotted or corroded away, leaving a direct open connection between the two sewers. In SWMM, these ports are modeled as a side orifice.

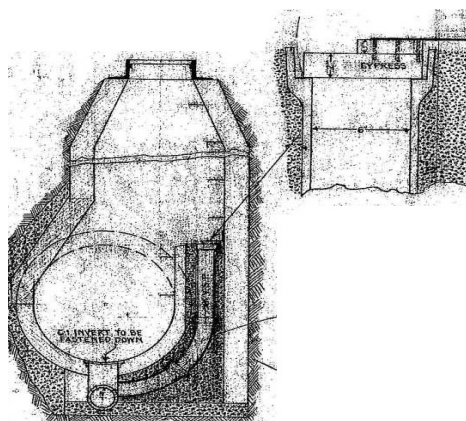


Figure 2.13: Relief Port

Table 2.2 lists the identified overflows in the City during the flow monitoring period and the structure type described in Section 2.8.1 through Section 2.8.9.

Table 2.2: Potential Overflow Locations

Outfall	Manhole	Location	Description	Type of Overflow Structure
LEWS 1035	059-14	Thoreau Avenue at Clifton Blvd.	Combined sewer flow drops through offset invert plate to combined sewer on Clifton Blvd.; wet weather flow bypasses invert plate to storm sewer.	5
LEWS 1035	059-30	City Hall to Thoreau Avenue	Flow could overtop longitudinal weir in common MH.	3
LEWS 1035	Undefined	Thoreau Avenue immediately south of NS Railroad crossing.	Flow from south on Thoreau can overtop weir to storm sewer.	2
LEWS 1035	Undefined	Thoreau Avenue immediately south of NS Railroad crossing.	Old sewer from behind Garfield Middle School with probable lateral connections overtops weir to storm sewer at Thoreau Avenue.	3

Table 2.2: Potential Overflow Locations (cont.)

Outfall	Manhole	Location	Description	Type of Overflow Structure
LEWS 1040	059A-36	Detroit Avenue at Robinwood Avenue	Diversion plate directs dry weather flow to sanitary, wet weather flow to storm.	4
LEWS 1040	059A-45	Detroit Avenue at Parkwood Road	Overflow pipe from MH to storm sewer on Detroit Avenue.	6
LEWS 1040	059A-46A	Detroit Avenue at Wyandotte Avenue	Flow can overtop weir to storm sewer.	4
LEWS 1040	059A-47	Detroit Avenue at Elbur Avenue	Overflow pipe from MH to storm sewer	6
LEWS 1040	059A-50	Detroit Avenue east of Elbur Avenue	Overflow pipe from MH to storm sewer.	6
LEWS 1040	SurveyPoint_1036	Cedarwood and Blossom Park	Combined sewer on Cedarwood can overtop open pipe into connection to storm sewer on Blossom Park	4
LEWS 1040	SurveyPoint_897	Grace Avenue at Detroit Avenue	Combined flow can bypass leaping weir during wet weather to storm sewer on Detroit.	7
LEWS 1040	SurveyPoint_1911	Clarence Avenue at Detroit Avenue	Two outlets from common MH; one to combined sewer, one to storm sewer.	1
LEWS 1045	059B-SAN	Wilbert Road at Cliff Drive	Flow can overtop weir to storm sewer.	8
LEWS 1055	059A-76	Madison Avenue at Elbur Avenue	Flow can overtop weir to storm sewer.	2
LEWS 1055	059A-78	Madison Avenue at Lewis Avenue	Flow can overtop weir to storm sewer.	4
LEWS 1055	059B-15/057-37	Clifton Blvd. in front of Emerson School	Suspended sewer pipe in storm MH has broken crown that allows overflow during peak flow.	2
LEWS 1055 LEWS 1060	059B-06	Edgewater Drive west of Wilbert Road	Flow can overtop weir to outfall.	8
LEWS 1065	Undefined	North end of Homewood Drive (1032 Homewood)	Flow can overtop weir to outfall.	4

Table 2.2: Potential Overflow Locations (cont.)

Outfall	Manhole	Location	Description	Type of Overflow Structure
LEWS 1110	058-14	Merle Avenue near Chase Avenue	Restaurant on Detroit Avenue has lateral connected to storm sewer on Merl Avenue, but invert plate open to sanitary.	5
LEWS 1135	Upstream of 056-36	Belle Avenue at Clifton Blvd.	Flow can overtop weir in MH to storm sewer on Belle Avenue.	4
LEWS 1140	056-20	Andrews Avenue at Clifton Blvd.	Crown of combined sewer removed to allow overflow into storm sewer.	2
LEWS 1140	056-49	Detroit Avenue at Mars Avenue	Mars Avenue combined sewer connects to storm sewer on Detroit Avenue.	6
LEWS 1140	056-61	Hilliard Road at Victoria Avenue	Combined sewer from Victoria Avenue south of Hilliard Road connected to storm sewer.	6
LEWS 1140	056-B	Rosalie Avenue at Edgewater Drive	Flow can overtop weir to storm sewer.	8
LEWS 1140	Undefined	Cook Avenue at railroad	The sewer on Cook is comb. from Detroit to the MH south of the RR. An O/U stm/san begins at this point with the comb. flowing into the sanitary.	1
LEWS 1140	MH south of 056-50	Detroit Avenue at Elmwood Avenue	Combined sewer from Elmwood Avenue connects to storm sewer on Detroit Avenue.	1
LEWS 1140	056-42	1381 Andrews	Relief port between sanitary and storm	9
LEWS 1140	Undefined	1347 Andrews	Relief port between sanitary and storm	9
LEWS 1140	Undefined	1307 Andrews	Relief port between sanitary and storm	9

Table 2.2: Potential Overflow Locations (cont.)

Outfall	Manhole	Location	Description	Type of Overflow Structure
LEWS 1140	Undefined	1279 Andrews	Relief port between sanitary and storm	9
LEWS 1140	Undefined	1241 Andrews	Relief port between sanitary and storm	9
LEWS 1140	Undefined	1201 Andrews	Relief port between sanitary and storm	9
LEWS 1140	Undefined	1171 Andrews	Relief port between sanitary and storm	9
LEWS 1180	002-188	Clifton and Lakeland	Flow can overtop longitudinal weir in common MH	2
LEWS 1195	002-184	Clifton Blvd. at Brockley Avenue	Storm sewer passes through common MH on a shelf. Storm sewer can overtop weir into combined sewer or combined sewer can backup into storm sewer.	2
LEWS 1195	002-244	Summit Avenue at Edgewater Drive	Overflow pipe from interceptor MH to storm sewer. Pipe is approx 7 feet above invert.	6
LEWS 1195	002-023	1606 Arthur	Relief port between sanitary and storm, appears to be blocked	9
LEWS 1210	002-242	Forest Cliff Drive at interceptor	Flow could overtop weir to storm sewer.	2
LEWS 1215	002-240	Erie Cliff Drive at interceptor	Weir in a common MH allows overflow to storm outfall.	4
LEWS 1215	002-213	Lake Avenue at Brockley Avenue	Overflow 3.4 feet above invert. Overflow goes north to unknown location.	6
LEWS 1220	002-238	End of Maple Cliff Drive	Flow can overtop weir in MH.	4
LEWS 1285	002-206	Lake Avenue at extension of Granger Avenue	Flow can overtop weir to MH 002-232.	4
LEWS 1285	002-232	Edgewater Dr. at extension of sewer from Granger Avenue	Flow can overtop weir to storm sewer.	4

Table 2.2: Potential Overflow Locations (cont.)

Outfall	Manhole	Location	Description	Type of Overflow Structure
LEWS 1285	002-193	Clifton Blvd. at Granger Avenue	Stormwater can overflow from the 27" storm sewer on the south side of Clifton Blvd. to the combined sewer on the north side of Clifton Blvd.	4
LEWS 1295	002-203	Lake Avenue between Kenneth Drive and Webb Road	Flow can enter the storm sewer from the 24" combined	6
LEWS 1295	002-197	Webb Road at Lake Avenue	Flow can overtop weir in MH to storm sewer on Webb Road.	4
LEWS 1295	Undefined	17822 Lake Avenue	Relief port between sanitary and storm	9
LEWS 1295	Undefined	17864 Lake Avenue	Relief port between sanitary and storm	9
LEWS 1295	002-107	17850 Lake Avenue	Relief port between sanitary and storm	9
LEWS 1295	Undefined	17834 Lake Avenue	Relief port between sanitary and storm	9
LEWS 1295	002-103	17878 Lake Avenue at West Forest	Invert plate has large hole in it.	5
LEWS 1295	Undefined	17891 Lake Avenue	Relief port between sanitary and storm	9
LEWS 1295	002-151	1334 Nelson Court	Relief port between sanitary and storm	9
LEWS 1295	002-156	1325 Granger	Relief port between sanitary and storm	9
LEWS 1295	002-159	Ethel and Detroit	Relief port between sanitary and storm- not sure how this one work since sanitary and storm are side by side at this location	9
LEWS 1295	002-149	Northwood, 1st MH west of Granger	Relief port between sanitary and storm, appears to be blocked	9
LEWS 1295	002-168	Webb Road at Clifton Blvd.	Intersection drawing indicated overflow between interceptor and storm sewer	6
LEWS 1295	Survey Point 3994	Granger Avenue at Clifton Boulevard	Relief port between sanitary and storm	9

Table 2.2: Potential Overflow Locations (cont.)

Outfall	Manhole	Location	Description	Type of Overflow Structure
LEWS 1295	002-167	Clifton Blvd. at Webb Road	Webb Road sewer passes over combined sewer trough in MH 002-167 to storm sewer at MH 002-166. Clifton Blvd. flow can overtop weir to storm sewer at 002-166	2
LEWS 1295	002-169	Webb Road at Clifton Blvd.	Outlet from MH 002-169 connects to storm sewer on Webb Road.	6
RRES 1145	002-251	West Clifton Blvd. at Cannon Avenue	Weir wall in common manhole.	3
RRES 1145	002-252	West Clifton Blvd. south of NS Railroad underpass	Sewer has crown missing in MH.	3
RRES 1145	002-253	West Clifton Blvd. north of NS Railroad underpass	Possible overflow either C>ST or ST>C, but weir wall is very high. Activation doubtful.	3
RRES 1145	002-125	17809 Northwood	Relief port between sanitary and storm, appears to be blocked	9
RRES 1145	002-150	17415 Cannon	Relief port between sanitary and storm, appears to be blocked	9
RRES 1145	002-264	West Clifton and Clifton	Stm can overtop weir to sanitary sewer.	2
RRES 1145	Survey Point 4066	West Clifton and Arlington	San. flow can overtop weir to stm and vice versa.	3
RRES 1145	002-092	18100 Sloane Avenue	Relief port between sanitary and storm	9
RRES 1145	002-26.1	Detroit Avenue at Clifton Place	Two outlets from common MH; one to combined sewer, one to storm sewer.	1
RRES 1145	002-29.1	Detroit Avenue at Rockway Avenue	Two outlets from common MH; one to combined sewer, one to storm sewer.	1
RRES 1145	002-265	West Clifton and Clifton	San. flow can overtop weir to stm and vice versa.	3

Table 2.2: Potential Overflow Locations (cont.)

Outfall	Manhole	Location	Description	Type of Overflow Structure
RRES 1145	002-32.1	Detroit Avenue at Larchmont Avenue	Two outlets from common MH; one to combined sewer, one to storm sewer.	1
RRES 1145	002-39.1	Detroit Avenue at Wagar Avenue	Two outlets from common MH; one to combined sewer, one to storm sewer.	1
RRES 1145	002-009	1664 Cordova (near Madison)	Relief port between sanitary and storm	9
RRES 1145	Survey Point 3683	1468 Cordova (south of Winton)	Relief port between sanitary and storm	9
RRES 1145	002-006	1564 Spring Garden	Relief port between sanitary and storm, appears to be blocked	9
RRES 1145	002-010	1669 Winton	Relief port between sanitary and storm, appears to be blocked	9
RRES 1145	002-258	Clifton Blvd. at West Clifton Blvd.	San. flow in common manhole can overtop weir into storm sewer.	3
RRES 1160	052-90	Olive Avenue at Hilliard Road	Underflow from combined sewer drops into sanitary sewer; overflow to storm sewer on Madison Avenue.	6

2.9 ILLICIT CONNECTIONS

Illicit connections are defined as "illegal and/or improper" connections of a sanitary sewer or sanitary lateral to a storm sewer **Table 2.3** is a list of illicit connections discovered through field investigations and review of record drawings.

Table 2.3: Illicit Connections

CSO Area	Manhole	Location	Description
002	002-200	Lake and Webb	002-200 receives sanitary from homes on Webb btw Clifton and Lake. 002-200 is connected to the 72" storm sewer on Webb going to Lake Erie
002	002-258	Clifton Blvd. and West Clifton Blvd.	Sanitary from MH 002-258 flows through a 12" Comb. to the 60" storm
002	002-207	Lake btw Kenneth and Webb	Low flows from 002-206 enter storm sewer in 002-207.
002C		Wayne and Crest Lane	All low flows on Crest Lane go into the storm sewer (storm is under) on Wayne Avenue.
002D	002-169	Clifton and Webb	12" combined from the north side of Clifton, east of Webb connects to 002-169. O/U on the north side of Clifton, west of Webb connects to 002-169. 002-169 connects to the 72" storm that outfalls into the Lake.
002E	002-216	Lake Avenue at Summit Avenue	Lake Ave. 30" comb. sewer from west appears to connect to storm sewer on Summit Avenue. Need to confirm if 1) Lake Avenue sewer is combined, 2) if it connects to storm sewer (blind) south of MH #216.
058	058-14	Merl Avenue btw Manor Park and Chase	Sanitary from the Winking Lizard is connected to the storm on Merl.
059A		13425 Detroit (Dentist Office)	Sanitary lateral connected to 48" storm. New sanitary lateral installed for future separation (Per Detroit Avenue Sewer Rehabilitation)

The illicit connections identified in **Table 2.3** will be added to the City's priority list for sewer improvements and repairs. Where sanitary sewers connect directly to the stormwater collection system, the sewer will be disconnected from the storm sewer system and connected to the sanitary sewer collection system.

2.10 CROSS CONNECTIONS

Cross connections are defined as improper connections of a storm sewer or storm sewer lateral to a sanitary sewer resulting in unnecessary storm water in the sanitary system. **Table 2.4** is a list of cross connections that have been identified within the City.

Table 2.4: Cross Connections

CSO Area	Manhole	Location	Description
002A	002-93	Sloan at West Clifton	CBs connected to sanitary
002D	002-193	Clifton Blvd. at Granger Avenue	Stormwater can overflow from the 27" storm sewer on the south side of Clifton Blvd. to the combined sewer on the north side of Clifton Blvd.
002G	HCT-3, HCT-4, HCT-14	Parkside	The outlet for the storm sewer on Parkside is blocked so the storm fill up until it overflows into the sanitary which is above the storm
052		Bayes Ave.	O/U sewers in center of street connect to combined sewer on south side of Bayes.
052		Brown Rd. at Bayes Ave.	O/U sewer on Brown connects to combined on Bayes.
052	115	Arden Avenue	MH is labeled sanitary, but has a CB tying into it.
052	052-152	Northland Ave. at Fischer Rd.	Separate storm sewer from Northland connects to combined on Fischer although a storm sewer is available on Fischer. Check NEORS D relief sewer drawings for this area. Similar situations may occur at Woodward/Fischer and Atkins/Fischer.
056	056-08	Lake between Belle and Cook	CB connected to sanitary
059A		14133 Detroit (McGorray Funeral Home)	Storm lateral connected to sanitary lateral. New storm lateral installed for future separation (Per Detroit Avenue Sewer Rehabilitation)
059A		14125 Detroit (Hixson Flowers)	Storm lateral connected to sanitary lateral. New storm lateral installed for future separation (Per Detroit Avenue Sewer Rehabilitation)
059A		14013 Detroit (Giant Eagle)	Parking lot and drains behind bldg are connected to sanitary lateral. (Per Detroit Avenue Sewer Rehabilitation)
059A		13521 Detroit (Private Home)	Storm lateral connected to sanitary lateral. New storm lateral installed for future separation (Per Detroit Avenue Sewer Rehabilitation)
059A		13443 Detroit (Brinkman Funeral Home)	Storm lateral connected to sanitary lateral. New storm lateral installed for future separation (Per Detroit Avenue Sewer Rehabilitation)
059A		13335 Detroit (Nicholson House)	Storm lateral connected to sanitary lateral. New storm lateral installed for future separation (Per Detroit Avenue Sewer Rehabilitation)
059B	Survey Manhole 852	Cliff and Nicholson	CB connected to sanitary

CHAPTER 3 – COMPUTER MODEL CONSTRUCTION

3.1 SOFTWARE

When the City of Lakewood (City) committed to developing a detailed model of its sewer collection system, it was desired to use a modeling platform that is publicly available, capable of modeling complex hydraulics, and affordable. The City chose the United States Environmental Protection Agency's (USEPA) Storm Water Management Model (SWMM) as the platform to create their system model.

SWMM is a dynamic simulation model used for single-event and long-term precipitation, runoff, and collection system modeling. It is one of the most common publicly available software programs used for analysis, design, and planning of stormwater collection systems, combined sewer systems, and sanitary sewer collection systems. SWMM is used to simulate catchment area hydrology and conveyance system hydraulics from primarily urban areas, although suburban and rural areas have been successfully modeled in SWMM as well.

The general operation of the model is relatively simple and intuitive. During a simulation, precipitation is simulated over hydrologic subcatchments and excess precipitation (that which exceeds the infiltration rate of a given subcatchment) becomes runoff. The runoff is computed by a non-linear reservoir routing equation and is then hydraulically routed through a collection system by applying the continuity equation coupled with the momentum equation or full St. Venant dynamic flow routing equation. During a simulation, SWMM performs the hydrologic and hydraulic calculations at regular time intervals and tracks the quantity and quality of runoff from each subcatchment, the flow rate, flow depth, and quality of water in each node and link.

3.1.1 SWMM APPLICATIONS

As a stormwater management tool, the SWMM model is typically applied to the designing and sizing drainage system components, sizing detention facilities, analyzing flood control, protecting water quality, mapping flood plain limits, and generating non-point source pollutant loadings for waste load allocation studies. SWMM is also a Federal Emergency Management Agency (FEMA) approved model for National Flood Insurance Program (NFIP) studies. Traditional sanitary sewer applications include evaluating the impact of inflow and infiltration (I/I) on sanitary sewer systems, analyzing sanitary sewer overflows (SSOs), and investigating combined sewer overflows (CSOs).

The USEPA added the ability to explicitly model the hydrologic performance of specific types of low-impact development (LID) devices such as porous pavement, rain gardens, green roofs, street planters, rain barrels, infiltration trenches, and vegetative swales. LIDs are used a part of best management

practices (BMPs) for reducing runoff and wet-weather pollutant loadings. A SWMM model can be applied to accurately represent virtually any combination of green infrastructure within a subcatchment area. The LID application of SWMM provides insight on the effectiveness of managing stormwater and the impact on CSOs and SSOs.

3.1.2 SWMM ADVANTAGES

SWMM has several advantages that make it one of the leading sewer system analysis programs. A SWMM model can be of unlimited size. While the more nodes, links, and subcatchments in a model increase the simulation time, there is no upper limit to the number of nodes, links, or subcatchments in a model.

The hydrologic portion of SWMM can simulate temporal variations in precipitation, infiltration, deep percolation into groundwater aquifers, and runoff through non-linear reservoir routing. SWMM can also simulate water quality in runoff through buildup and wash-off parameters.

Other hydraulic models compute the hydraulics of the collection system using the kinematic equation. While SWMM has the capability to compute simple hydraulics with the kinematic equation, it can also simulate complex hydraulics by computing a numerical solution to the full dynamic wave (St. Venant) equation. This allows SWMM to model various flow regimes, such as backwater, surcharging, and reverse flow. SWMM is preloaded with many different standard closed conduit and open channel shapes and has the ability to allow the user to create unique cross-sections for natural channels or other unique conveyance pathways. Users can also specify dynamic controls in the system such as gates or valves opening or closing in real-time.

3.2 PURPOSE OF THE MODEL

Before creating a model it is essential that the purpose of the model is clearly defined. In particular it is necessary to understand the information required to develop a model as well as the required results from the model coupled with the locations at which that information is required.

The primary goal of the Lakewood modeling project is to develop an updated computer model of the current sanitary sewer system for the City. The model is the primary tool used to study and evaluate the hydrologic and hydraulic performance of the City's sewer collection system and to explore improvement alternatives. The City established the following requirements and objectives for the model to meet the project goals:

- The model engine will be the USEPA SWMM 5.0 hydrologic and hydraulic model
- The new model will be developed using existing sewer maps and collecting field data

- All City-owned sanitary sewers eight-inches in diameter and greater will be modeled in SWMM
- The model will be calibrated and verified for both dry- and wet-weather flows using data supplied from the City's flow monitoring network placed in 2011
- The model will be used to predict the frequency and volume of discharges at the outfalls to the environment for a typical year simulation
- The model will be used to provide the basis for designing improvement alternatives to limit CSOs to an acceptable level as determined by the Ohio Environmental Protection Agency (OEPA)

The approach to the new model development conforms to these objectives and standards. Operating under the previously defined objectives, the appropriate level-of-detail model was selected based on the intended purpose of the model and the information required from it.

3.3 LEVEL OF DETAIL

The City committed to a comprehensive model of the collection system. An important decision regarding the model's level-of-detail was made prior to beginning any field work since the level-of-detail can influence the location and number of flow monitoring locations. The City decided that because of inadequate historical data that the comprehensive model would contain a great level-of-detail concerning the physical collection system. Data collected for the model would also serve as the most complete sewer mapping experience ever undertaken by the City. Models generally fall into one of three level-of-detail categories:

- Skeletal Planning Model
- Drainage Area Planning Model
- Detailed Drainage Model

Because of decision made by the City, the level-of-detail contained in the sewer system model is consistent with that of a Detailed Drainage Model. For completeness in this report, the Skeletal Planning and Drainage Area Planning Models are discussed in Section 3.3.1 and Section 3.3.2, respectively. The Detailed Drainage Model is presented in Section 3.3.3. It should be noted that many models use a combination of levels-of-detail which allows detail to be added only in those areas where problems exist or where critical sewer hydraulics require increased detail.

3.3.1 SKELETAL PLANNING MODEL

The Skeletal Planning Model is the coarsest level-of-detail. This type of macro or planning model has specific objectives including:

- Overall assessment of the effects a major new development on the trunk sewers in a catchment

- Initial evaluation of the options under consideration for major changes to the sewer network
- Understanding of the operation of specific sections of a sewer where reverse flows or other phenomenon that cannot be understood without modeling may be present
- Representation of a trunk sewer system or interceptor sewer system without needing to model exactly the layout of the sewer systems that connect into them

Skeletal Planning Models are not adequate for detailed modeling of flooding within a catchment or for drainage area studies, which require more detailed models.

3.3.2 DRAINAGE AREA PLANNING MODEL

A Drainage Area Planning Model is an intermediate level-of-detail model. This type of model is used to give an overview of a specific drainage area. A Drainage Area Planning Model is a preliminary planning tool used to:

- Identify potential hydraulic problems within a drainage area, including flooding areas, capacity restrictions, and reverse flows
- Identify the need for possible planning-level hydraulic capacity improvements
- Assess the impact of proposed developments

A Drainage Area Planning Model would include known problem areas, particularly known flooding and overflow areas with attention being given to low lying manholes or gullies.

3.3.3 DETAILED DRAINAGE MODEL

A Detailed Drainage Model provides the highest level-of-detail in the model. It is used for detailed investigations and detailed design improvement alternatives. Areas of greater detail would correspond to the specific problem areas, locations of potential hydraulic capacity improvements, and any portions of the sewer network (e.g. proposed pump installations) that may be affected by proposed system improvements. A Detailed Design Model typically includes most of the manholes in the areas affected by problems or the extent of proposed improvement alternatives. The level-of-detail in the City's collection system model is consistent with that of a Detailed Design Model.

3.4 COMPLEXITY

The City's collection system is extremely complex. The City's sewer collection system contains approximately 393,500 linear feet of sanitary sewers, 348,000 linear feet of storm sewers, and 133,500 linear feet of combined sewers serving the nearly 52,000 City residents.

Almost all of the sanitary sewers in the City were constructed in an “over/under” (O/U) configuration where the storm sewer was constructed directly above the sanitary sewer and only one manhole to access both pipes. O/U sewers were built predominantly during the 1920s and 30s although invert plate sewers were installed until the 1950s. This type of sewer is not known to exist anywhere else in the country other than in northeast Ohio. An invert plate in the “over” sewer allows access to the “under” sewer. There are a few isolated streets with separate trench sanitary sewers and at least two streets with O/U sewers where the sanitary sewer is above the storm sewer. The eastern 25 percent of the City is primarily combined sewers, although there are combined sewers on isolated streets in the western portion of the system as well.

The sanitary and combined collection systems are predominantly vitrified clay pipe (VCP) with brick and mortar manholes. Larger trunk sewers in the City adhere to the City of Cleveland’s standard egg-shaped cross sections and most are constructed of brick with integral brick manholes. Also scattered throughout the City are larger diameter storm and sanitary sewers constructed of segmented loose laid tile pieces which require compressive soil forces to maintain their integrity. These sewers are found in both circular and egg-shaped cross-sections.

3.4.1 INTERACTION BETWEEN SYSTEMS

In O/U manholes, a trough shaped plate is laid across the storm sewer invert from the upstream conduit to the downstream conduit to convey storm water. The invert plate is grouted into place so storm water cannot enter the sanitary sewer below. In order to access the sanitary sewer, the invert plate has to be physically pried open, breaking all the concrete grout. Maintenance crews leaving the manhole must re-grout the invert plate or it becomes a large inflow source during subsequent precipitation events.

The O/U configuration of the sewer collection systems leaves the “under” sewer extremely susceptible to I/I. Whatever joint sealing compound was originally used has deteriorated, so today, storm water can leak out of joints in the storm sewer, through the permeable backfill, and infiltrate the sanitary sewer joints.

3.4.2 SPECIAL HYDRAULIC STRUCTURES

To control flows within the City’s collection system, several special hydraulic structures have been constructed over time. Section 2.8 provides additional detail on some of the special hydraulic structures discussed in this section.

Sewer system overflows are one of the most prevalent hydraulic structures in the City’s collection system. Currently, the City has nine permitted overflows where sanitary sewerage could discharge to the environment. The overflows were designed to convey all dry-weather flow (DWF) to the wastewater treatment plant (WWTP). In wet-weather, the overflows limit the amount of wet-weather flow

(WWF) to the WWTP with the remaining flow being discharge to the environment.

Leaping weirs are present throughout the City's collection system. A leaping weir is designed such that a weir is constructed in the bottom half of a sewer pipe just downstream of a bottom orifice. The leaping weir configuration allows DWF to drop through to a sanitary sewer below but during wet-weather, flows that exceed the depth of the weir are passed downstream in a storm sewer. Not all bottom orifices in the City's system are constructed with a leaping weir just downstream of the orifice. Without a leaping weir in place, flows bypass the orifice more frequently.

Side-flow weirs were constructed at specific locations within the collection system. A weir on the side of a junction chamber allows DWF to be conveyed to the WWTP. In wet-weather, flows topping the weir are conveyed in a sewer to an outlet at the Rocky River or Lake Erie.

3.4.3 NORTHEAST OHIO REGIONAL SEWER DISTRICT SEWERS

The City of Lakewood shares a border with the City of Cleveland along W. 117th St. The Northeast Ohio Regional Sewer District (NEORS) provides sanitary sewer service for the City of Cleveland among other municipalities in northeast Ohio. There are several locations along W. 117th St. where the Lakewood sewers interact with the NEORS sewers.

NEORS owns and maintains several sewers that run from southwest to northeast under Berea Road at the southern edge of Lakewood. One of these sewers is a 108-inch diameter deep interceptor sewer which bears the NEORS designation, "Northwest Interceptor" (NWI). At the intersection of Berea Rd. and W. 117th St., the NWI turns north and follows the east side of W. 117th St. to Edgewater Dr., where it turns east to the NEORS Westerly WWTP. NEORS also owns, operates, and maintains a 60-inch diameter combined sewer that flows southwest to northeast under Berea Rd. at the intersection of Berea Rd. and W. 117th St., the 60-inch combined sewer flows into a junction chamber. A weir in the junction chamber at Berea Rd. and W. 117th St. regulates DWF to the east, but during wet-weather, flow from the 60-inch combined sewer overtops the weir and enters into the Lakewood owned, maintained, and operated 108-inch combined sewer which runs from south to north on the west side of W. 117th St.

Lakewood's sewers interact with NEORS sewers at two more locations on W. 117th St. Flow continues north in the Lakewood 108-inch combined sewer from Berea Rd. to Detroit Avenue where a weir regulated CSO from NEORS's NWI connects to Lakewood's sewer system. Immediately downstream of the weir in the NWI, flow passes a hydrobrake control structure where the pipe diameter changes from a 108-inch to a 30-inch diameter. Flow continues north in the Lakewood sewer to Lakewood's own flow regulator, south of Lake Avenue. In

this regulator, a side-flow weir passes DWF to a drop structure which flows back into Lakewood’s sanitary sewers tributary to Lakewood’s interceptor sewer which is known to have capacity limitations in the far upstream sections. At Lakewood’s flow-regulator on W. 117th St. south of Lake Ave., WWF that tops the weir flows north to yet another junction chamber owned and operated by NEORSD. In this regulator, a side-flow weir passes DWF to the NEORSD sewer system. WWF overtopping the weir flows through a 93-inch sewer to NEORSD’s permitted CSO (CSO-071) at Lake Erie.

A study was performed for the NEORSD Westerly WWTP under the Ohio Department of Transportation’s “Central Viaduct” project (CUY-90-14.90, PID 77332/85531). The Westerly Modeling Report from the CUY-90-14.90 project is included in Appendix B of this report for reference and convenience. The Westerly Modeling Report identified several locations where flow monitors were installed to estimate the interaction between the Lakewood sewer collection system and the NEORSD system. **Table 3.1** provides a summary of the locations of flow monitors identified in the Westerly Modeling Report.

Table 3.1: NEORSD Flow Monitor Locations near Lakewood

Flow Monitor	Location	Description
Lakewood	Lake Ave. and 117 th St.	Regulator DWF Outlet
NW4-D	Edgewater Dr. and 117 th St.	Regulator DWF Outlet
NW4-I	117 th between Lake and Edgewater	Regulator Inlet
NWI-2	1601 117 th St.	Interceptor
NWI-T1	11642 Detroit Ave.	Trunk Sewer
WST-2	Berea Rd. and 117 th St.	Interceptor
WST-3	11600 Berea Rd.	Interceptor
WST-5	Lake Ave. and 116 th St.	Interceptor
WST-T1	2181 117 th St.	Trunk Sewer

The Westerly Modeling Report has limited application for the Lakewood sewer system, except at the locations where the two systems interact. Unfortunately, even after multiple attempts, data from the NEORSD Westerly modeling study were not able to be obtained.

3.5 DISCRETIZATION

SWMM represents a sewer system as a series of individual nodes and links. Model nodes may represent manholes, outfalls, junction chamber, diversions structures, or storage units. Model links, which connect two nodes together, represent conduits, pumps, orifices, weirs or outlets. Subcatchments represent drainage areas and are used to compute overland flow (runoff) from excess precipitation. The Lakewood SWMM model contains 3,623 nodes, 1,263 subcatchments, and 4,737 links.

3.5.1 NODES

Nodes are natural points of discretization for a SWMM model. They are used as input locations for external inflows and receive runoff from catchment areas. The Lakewood system model contains 3,623 nodes divided amongst junctions, outfalls, and storage nodes as follows:

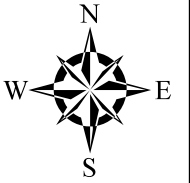
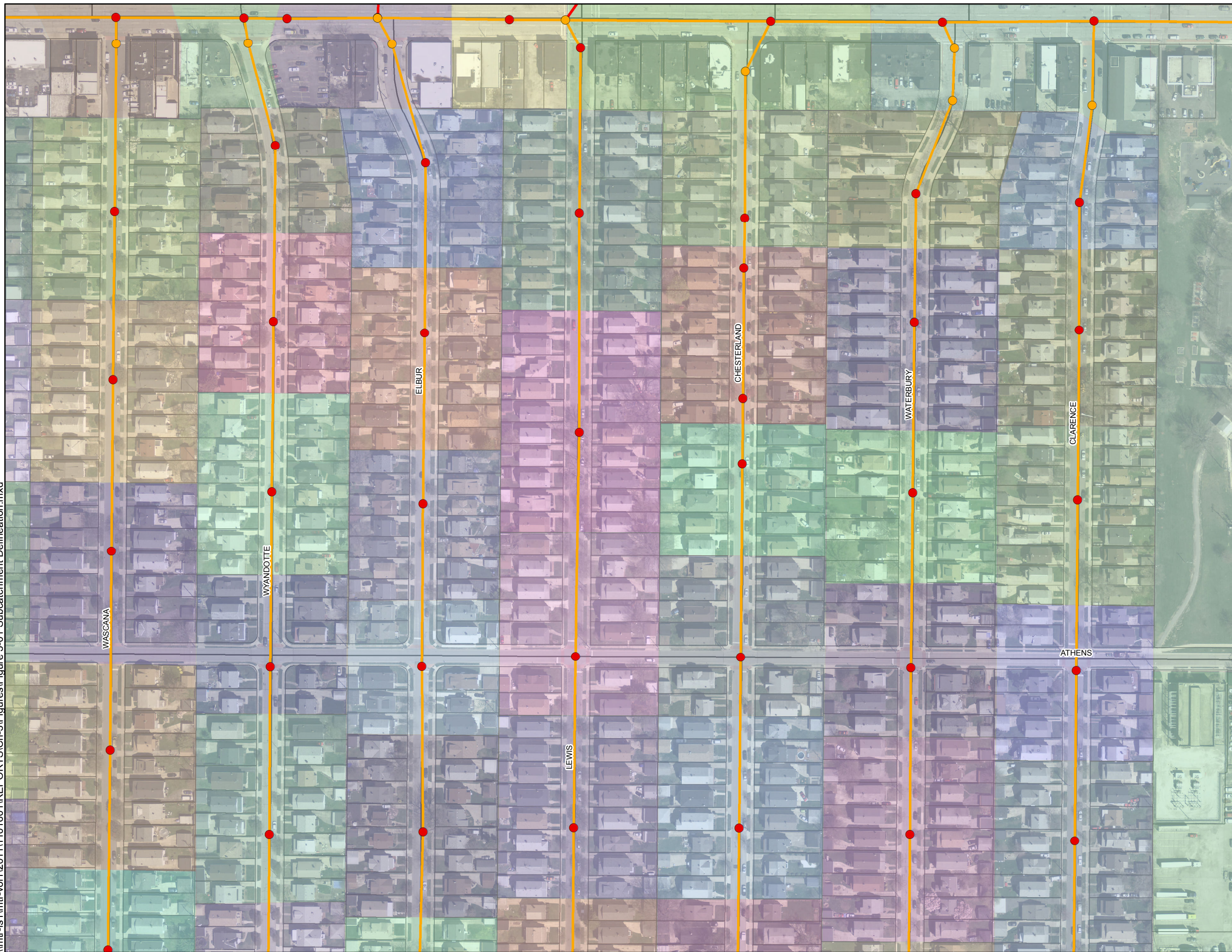
- 3,582 Junctions
- 40 Outfalls
- 1 Storage Node

3.5.2 SUBCATCHMENTS

The sewer subcatchments represent the service area tributary to the City's sewer system and are used to determine the dry- and wet-weather flows loaded to the model nodes. The Lakewood system model contains 1,263 subcatchment areas ranging in size from approximately 0.125 acres to 43 acres. The average subcatchment size is 2.46 acres with a standard deviation of 2.16 acres.

Subcatchments were delineated based on the parcel boundaries obtained from the Cuyahoga County geographical information system (GIS) database. The project team chose to delineate based on parcel boundaries because previous experience showed that nearly 50 percent of the I/I response may be contributed to private property sources. Rather than traditional topographic tributary areas contributing stormwater runoff directly to the public sewers, the I/I response in Lakewood's collection system was determined to be closely related to the dry-weather service area (e.g. parcel boundaries). In addition, because the City of Lakewood is extremely densely populated and developed, parcel boundaries are an appropriate substitute to approximate topographic drainage boundaries. **Figure 3.1** shows an example of the subcatchment delineation by parcel boundaries and illustrated by multi colored polygons. The catchment boundaries between manholes were delineated based on parcel boundaries, approximately halfway between the manholes. In most cases, one parcel equates to one consumer and has one loading point to the sewer system. Special cases, such as one parcel containing multiple buildings (with sewer service) or one building occupying multiple parcels; were investigated and delineated on a case-by-case basis. For areas containing parallel sewer mains with different sizes, the subcatchments were delineated based on the smaller sewer pipes in most cases, because relief sewers typically do not have service connections.

\\mtr-fs1\mtr-vol1\2011\1101601\REPORTS\Ch-3\Figures\Figure 3-01 Subcatchment Delineation.mxd



Legend

Collection System

- Loading Nodes
- Modeled Node
- Sanitary Sewer
- Combined Sewer
- Storm Sewer

Property

- Parcel

Streets

- Major Roads
- Local Roads

0 100 200
Feet



Figure 3.1

3.5.3 LINKS

Links are not natural discretization points in a SWMM model, rather they connect nodes. Links convey external inflows and runoff loaded at the nodes. The Lakewood system model contains 4,737 links divided amongst conduits, pumps, orifices, and weirs as follows:

- 3,663 Conduits
- 1 Pump
- 1,022 Orifices
- 51 Weirs

Almost any sewer shape can be modeled in SWMM including non-circular shapes found throughout the Lakewood collection system. Many of the sewers in Lakewood were built according to the City of Cleveland Standard Egg-Shape. The Lakewood SWMM model represents these sewers as well as vertical ellipse sewers, sewers filled with sediment, and horizontal ellipse sewers.

3.6 INPUT DATA

Input data can be collected from a number of different sources including historical records, field surveys, and data collection devices. The level of accuracy of the input data will directly influence the results of the final model. In some cases inaccuracies in the input data will have little impact on the accuracy of the final model results while in other cases inaccuracies in the input data will be highly significant. It is often possible (although relatively expensive) to increase the data collection effort in the form of extensive plan research and field data collection so that the problem areas are scrutinized. While time consuming and potentially costly, extensive data collection efforts can save significant amounts of time and budget when it comes to data input and model calibration.

The work associated with field survey and data collection for the City's sewer collection system grew substantially from the effort that was anticipated because of the complexity of the sewer system, the lack of as-built records, the continual modifications made to the system over time, and some unique construction features that were challenging to find, analyze, and document. To ensure the model accurately reflects the interconnectivity and characteristics of the physical sewer system, a number of requests for information precipitated a detailed search of the sewer drawings in the City's records, and required repeated field investigations to investigate where the interconnectivity was not understood and physical characteristics of the system were ambiguously documented. The model representation of the physical sewer system was further complicated by the interaction in the O/U sewers. The field investigations and records research revealed 17 undocumented potential overflow locations expanding the number of discharge points that could release untreated sewage from the nine permitted overflows to 26 potential overflows. It is estimated that the resources devoted to the data collection for the City's

system-wide sewer model is the most exhaustive data collection effort ever completed by the City on their collection system.

3.6.1 NODE PARAMETERS

The basic node data needed to build the City's SWMM model is as follows:

- Node invert elevations
- Node depths/ground elevations
- Pipe offsets/elevations at each node

In general, most of the required node data was available from existing records. Care was taken to check the continuity of the data records. Because different elevation data are used for surveying (e.g. NAVD29 or NAVD88), occasionally node elevations were converted from one datum to another for consistency in the model. Where data was missing, field visits and surveys were required. The City's crews collected information such as pipe configuration, pipe size, manhole depth, and closed-circuit television (CCTV) footage when requested.

3.6.2 LINK PARAMETERS

The basic link data needed to build the City's SWMM model is as follows:

- Details of the sewer network and connectivity
 - Upstream Node
 - Downstream Node
- Link Sizes
 - Pipe Diameter
 - Weir Height and Length
 - Orifice Diameter
- Link Invert Elevation
 - Upstream Invert
 - Downstream Invert
- Manning's Roughness Coefficient

In general, most of the required link data was available from existing records. Care was taken to check the continuity of the data records. Because different elevation data are used for surveying, occasionally link invert elevations were converted from one datum to another for consistency in the model. Where data was missing, field visits and surveys were required.

Data not readily obtained from plans or site visits (e.g. Manning's roughness coefficient) can be estimated from published sources or the condition of the pipe. In addition to estimating the roughness coefficient of the pipe, the condition of the pipe can have a significant impact on the I/I potential. Pipe condition data from CCTV records may be used to determine the roughness coefficient and I/I potential of pipes. Where no data is available values may be estimated based on the pipe material and age.

Sediments may reduce the cross-sectional area of the pipes limiting the capacity. Sediment depth data may be obtained from CCTV surveys, sewer flow monitoring reports, or from operational records.

3.6.3 PRECIPITATION DATA

A variety of sources may be utilized to gather precipitation data for the model. Data are typically available from sources such as:

- Government Institutions
 - National Oceanic and Atmospheric Administration (NOAA)
 - National Weather Service (NWS)
 - State Climate Offices
- Precipitation Gages
 - Site-specific Rain Gages
 - Community Rain Networks
- Synthetic Precipitation Events
- Radar Rainfall

Historical precipitation records may come as long-term time series from sources such as NOAA and the NWS or records may be of a shorter temporal horizon from instruments installed specifically for the purposes of the modeling project. For calibration efforts, it is desirable to obtain precipitation records on the order of five to 15-minute resolution. Precipitation gage measurements were used for calibration purposes of the Lakewood system model. Rainfall time series were checked for missing data to verify the completeness of the data. The precipitation data used in the City's collection system model is discussed in detail in Chapter 4 and Chapter 6 of this report.

3.6.4 SUBCATCHMENT PARAMETERS

The basic subcatchment data needed to build the City's SWMM model is as follows:

- Area
- Width (or Flow Length)
- Slope
- Percent Impervious
- Manning's Roughness Coefficient
- Surface Storage Depth
 - Pervious
 - Impervious
- Infiltration Parameters

In general, most of the required subcatchment data was available from existing records. Area was obtained from the subcatchment delineation process, width was calculated as the area divided by the flow length from the hydraulically most

remote location of the subcatchment, percent imperviousness was determined from ortho-imagery, Manning's roughness and surface depression storage were estimated by referencing tables for the type of land cover. Infiltration parameters were estimated by referencing tables for Horton infiltration parameters such as maximum and minimum infiltration rates for the specific type of soil present in any particular area of the City. Typically found from the county's soil survey information or from the United States Geological Survey (USGS), soil data is highly site specific and may vary greatly over a study area.

3.6.5 DRY-WEATHER FLOW PARAMETERS

DWF is the combination of domestic, commercial, and industrial wastewater flow in the sanitary or combined sewer system during periods in which the sewer system is not influenced by precipitation in the form of I/I. The two constituents of DWF are base wastewater flow (BWF) and groundwater infiltration (GWI). The SWMM model has specific input parameters to replicate observed DWF, which are discussed in detail in Chapter 5 of this report.

3.6.6 WET-WEATHER FLOW PARAMETERS

WWF in a sanitary or combined sewer collection system is the combination of domestic, commercial, and industrial wastewater flow with the addition of rainfall derived I/I. The SWMM model has specific input parameters to replicate observed I/I and WWF in collection system models. Wet-weather parameters are discussed in detail in Chapter 6 of this report.

3.7 MODEL ANALYSIS AND APPLICATION

Once constructed and calibrated, the SWMM model is a powerful tool for system analysis. The model results can provide insight to complicated hydraulics that may otherwise not be understood and identify potentially unknown problem areas in the system. The model can also be used to anticipate the system response to future events.

3.7.1 DRY-WEATHER FLOW ANALYSIS

The first step to calibrating the model after the input data has been entered into the model is DWF analysis. The general purpose of dry-weather flow analysis is to characterize the sewer system's behavior when it is not under the influence of precipitation. The analysis of dry-weather is the basis for all other model calibration efforts and applications. Dry-weather flow calibration is discussed in detail in Chapter 5 of this report.

3.7.2 WET-WEATHER FLOW ANALYSIS

The general purpose of wet-weather flow analysis is to characterize the sewer system's response to precipitation. The USEPA's Sanitary Sewer Overflow Analysis and Planning (SSOAP) Toolbox is the primary tool used to perform the

WWF analysis. Wet-weather flow model calibration is discussed in detail in Chapter 6 of this report.

3.7.3 CONTINUOUS SIMULATION

The general purpose of continuous simulation is to characterize the sewer system's response to precipitation and recovery before subsequent precipitation events. The continuous simulation of the Lakewood system model is discussed in detail in Chapter 8 of this report.

3.7.4 TYPICAL YEAR APPLICATION

The typical year precipitation record was simulated in the calibrated model to determine the number of overflow activations and volume discharged during a typical precipitation conditions. The typical year model simulation results are discussed in detail in Chapter 8 Section 4 of this report.

3.7.5 PROPOSED IMPROVEMENTS APPLICATIONS

The model was used to simulate system capacity after proposed improvement scenarios to the City's West End near Detroit Avenue Extension and West Clifton Boulevard. Being able to predict the impact of improvements on the system is extremely useful and can potentially save significant amounts of money that would otherwise be sunk into constructions projects that would have little positive impact on the system. It is anticipated that the calibrated model will be used to analyze future proposed improvements as well such as high rate treatment at the WWTP, the Edgewater Sewer Separation and the Pilot Study in the CSO-052 area.

CHAPTER 4 –FLOW AND PRECIPITATION MONITORING DATA

4.1 INTRODUCTION

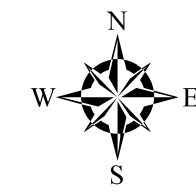
The City of Lakewood (City) collected depth, velocity, flow, and precipitation data to calibrate the collection system model. The City installed, maintained, and collected data from 50 flow monitors and three rain gauges. The flow data collection ran from April to August of 2011. Dates vary depending on when the flow monitor was installed. Data collection for the precipitation gauges began May 5, 2011. All flow monitors within the City were installed to collect dry- and wet-weather flow data. The flow and rainfall information was used to adjust the model's parameters to match its calculated output to the observed flow data during model calibration.

4.2 PRECIPITATION DATA

The City installed three Sigma 111 rain gauges to measure precipitation. The rain gauges use a “tipping bucket” to record incremental precipitation. Precipitation is collected and funneled into one of two buckets situated on a “teeter-totter” within the gauge housing. When one one-hundredth of an inch of rain falls, the bucket teeters over and while it drains, the other bucket collects precipitation. Each time the buckets tip, a pulse is sent to the monitor. The accuracy of precipitation data was ± 0.5 percent for 0.5 inches per hour. The rain gauges were programmed to report collected data in 10-minute increments and were downloaded manually approximately every two weeks.

The rain gauges were located at three locations across the City to establish a spread that would capture the spatial and temporal variance of precipitation. Due to ridge lines and lake effects, the southern portion of the City sometimes experiences more intense rainfall than the northern portion. The rain gauge locations are shown in **Figure 4.1** and listed in **Table 4.1**. The City recorded precipitation at the wastewater treatment plant (WWTP) during 2013. The WWTP gauge was used to verify the typical year continuous simulation model by simulating the calendar year 2013. Details of the continuous simulation are provided in Chapter 8 of this report.





0 0.25 0.5 Miles



CT Consultants
engineers | architects | planners

Figure 4.1

Legend

Rain Gauges

★ 2011 Gauges (3)

Collection System

— Sewers

Boundary

▭ Lakewood

Streets

— Major Roads

— Local Roads

Table 4.1: City of Lakewood Rain Gauge Locations

RG Name	Location	Recording Frequency (min)	Data Collection Dates
CityHall_RG ¹	Lakewood City Hall Detroit Ave.	10	05/05/2011-08/08/2011
FireStation_RG ¹	Fire Station No. 1 Madison Ave. at Warren Rd.	10	05/05/2011-08/08/2011
Lincoln_RG ¹	Lincoln Elementary Clifton Blvd. at Lakeland Ave.	10	05/05/2011-08/08/2011
WWTP_RG ²	WWTP Valley Pkwy.	15	01/01/2013-12/31/2013

¹Installed as part of the City's Long-Term Control Plan and used for calibration

²Used for continuous simulation of calendar year 2013 and not used for calibration

The CityHall_RG did not record any precipitation from May 18, 2011 through June 7, 2011. For the CSO areas located between the CityHall_RG and the FireStation_RG the rain data was averaged between the CityHall_RG and the FireStation_RG to give a better representation of the rain data across the area. During the CityHall_RG rain gauge drop out data from the FireStation_RG was used.

All three rain gauges were used to calibrate the SWMM model. CityHall-FireStation-Average_RG was used for the drainage areas in the eastern portion of the City. FireStation1_RG was used for drainage areas in the southern and central portions of the City and Lincoln_RG was used to calibrate the sewers in the northern and western portions of the collection system. The precipitation hyetograph showing the raw data of the rain gauges is presented in **Figure 4.2**. The corrected data for CityHall_RG is shown in comparison to the raw data for the CityHall_RG in **Figure 4.3**.

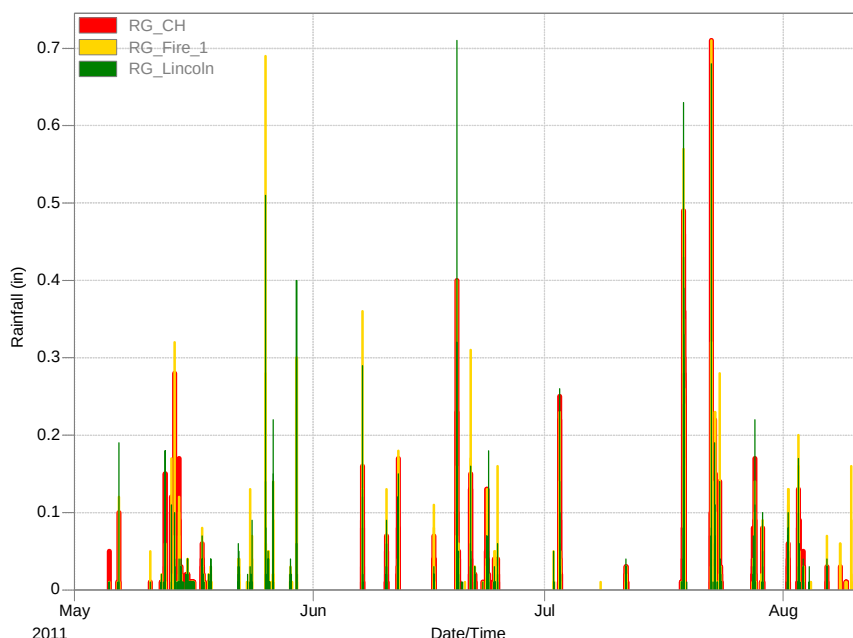


Figure 4.2: Precipitation Hyetograph for 2011 Lakewood Rain Gauges

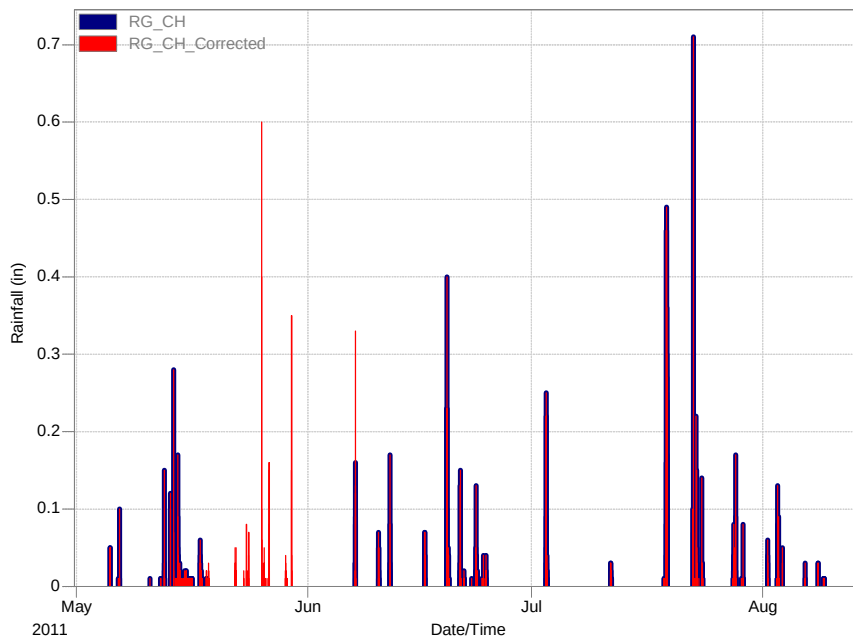


Figure 4.3: Precipitation Hyetograph for Corrected CityHall_RG

4.3 NUMBER OF PRECIPITATION EVENTS

At least three significant precipitation events are required to calibrate the model; however, typically five to six events are selected. A significant precipitation event is defined as:

- The total depth should be greater than 0.2 inches.
- The range of total durations of the rainfall should vary. Ideally one storm should have a duration equal to $\frac{1}{2}$ of the time of concentration of the system, one storm equal to the time of concentration, and the third more than twice the time of concentration.
- The rainfall intensity should be greater than 0.24 inches/hour for more than 4 minutes.
- The period between events should be sufficient for the flow to return to dry weather conditions

The rain gauge data was reviewed to identify all the precipitation events during the flow monitoring period from May 5, 2011 through August 8, 2011. Fifteen (15) events were identified during the precipitation monitoring period. Each rainfall event was reviewed independently; however, several guidelines were used in grouping the data. These include:

- Events with total rainfall depth less than 0.20-inch were not used (16 events)

- Events that occurred less than four hours apart were classified as one precipitation event
- Post-event precipitation totaling less than 0.01-inch for the six hours after the storm were neglected
- Events were posted on the day the peak intensity occurred

4.4 PRECIPITATION EVENT CLASSIFICATION AND SELECTION

The rainfall events were classified using a partial duration approach that classifies an event by the most severe portion. “Frequency Atlas of the Midwest Rainfall” by Floyd A. Huff and James R. Angel was used to classify the events. The applicable excerpt from the document can be found in Appendix C.

The eight storm events listed in **Table 4.2** were averaged between all three rain gauges and selected for calibrating and verifying the hydraulic model. The criterion preferred for the selected storms was a peak 1-hour rainfall of 0.25 inches or more. The table lists the average values of the observed rain gauges and additional data for eight rainfall events that occurred within the monitoring period. The antecedent dry period time is the number of hours since the previous rainfall of 0.01 inches or more. The return period classification is based on comparing the peak 10-minute and total volumes to the Rainfall Frequency Atlas of the Midwest. Each storm event was classified according to the highest return period. For example, Event 6 was classified as a 50-year event instead of a 25-year event.

Table 4.2: Average Precipitation Events Based on Rain Gauge Data

Event	Date	Antecedent Dry Period (hours)	Storm Duration (hours)	Average Peak 10-min (inches)	Average Peak 1-hr (inches)	Total Rainfall (inches)	Return Period (Total Volume)	Return Period (Peak 1-hr)
1	5/14/11	9.28	57.00	0.20	0.33	1.28	2-mo 72-hr	<2mo 1-hr
2	5/25/11	41.08	12.25	0.60	1.12	1.55	9-mo 12-hr	2-yr 1-hr
3	5/29/11	15.33	0.50	0.35	0.56	0.56	6-mo 30-min	2-mo 1-hr
4	6/7/11	204.33	0.94	0.27	0.62	0.62	3-mo 1-hr	3-mo 1-hr
5	6/19/11	70.39	6.72	0.50	0.88	1.03	4-mo 6-hr	6-mo 1-hr
6	7/19/11	172.61	7.44	0.56	1.92	3.86	50-yr 6-hr	25-yr 1-hr
7	7/22/11	83.00	2.78	0.72	0.94	0.97	6-mo 3-hr	1-yr 1-hr
8	7/23/11	6.33	5.28	0.21	0.34	0.70	<2-mo 6-hr	<2-mo 1-hr

4.5 FLOW MONITORING PROGRAM

The City utilized 50 Sigma 910 Portable Area Velocity Flow Monitors for the purposes of calibrating the model. The City installed and maintained these temporary flow monitors to measure sewage flow rates during dry- and wet-weather.

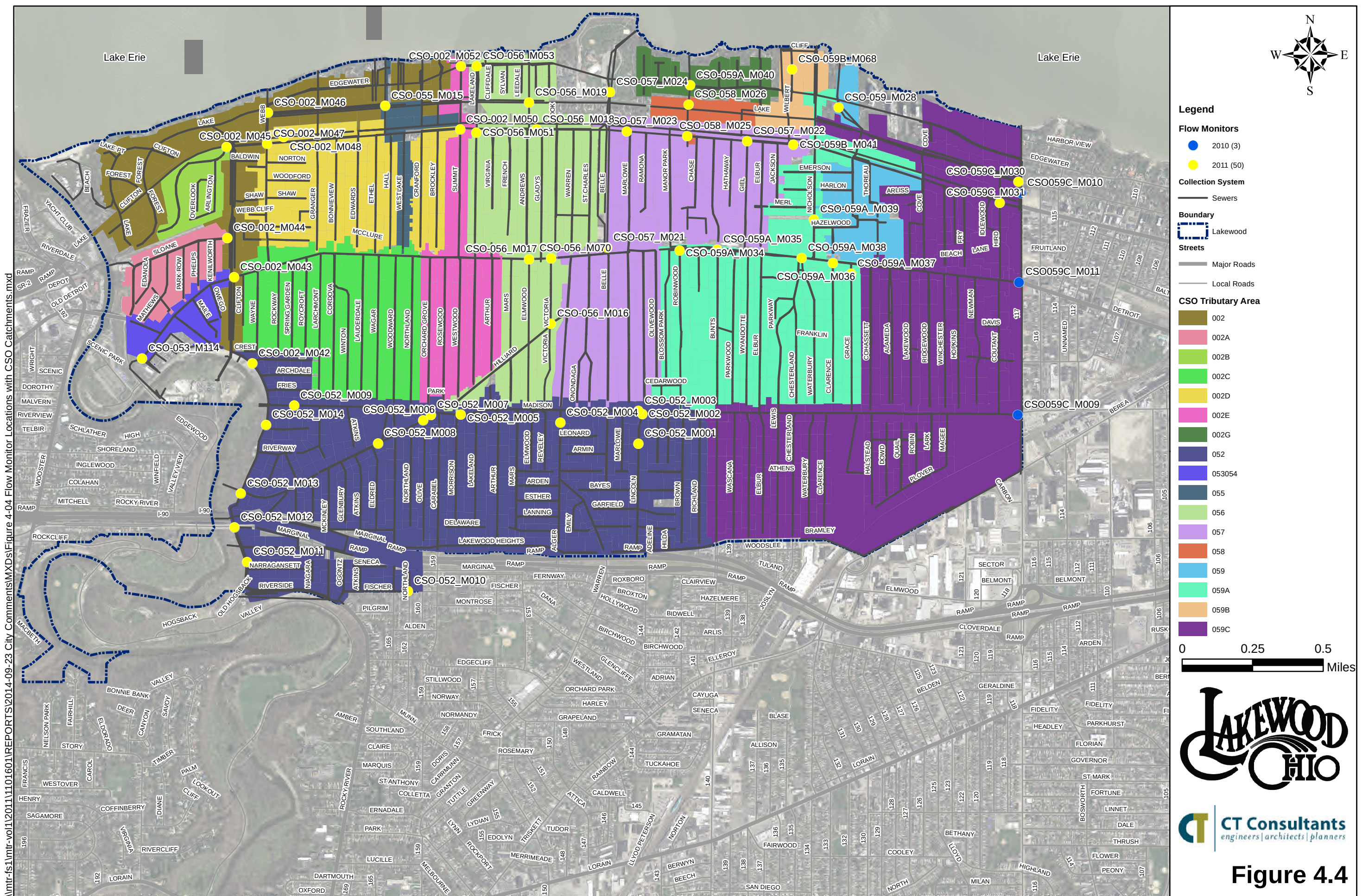
The Sigma 910 is compact and lightweight which makes it easily fit in a variety of applications such as sewer monitoring. The Sigma 910 monitors are equipped with a submerged area/velocity pressure transducer sensor to measure the depth of the flow in the sewer. The flow depth is converted into a cross sectional area (A) based on the size and shape of the sewer. The submerged area/velocity sensor uses Doppler technology to measure the velocity (V) of the liquid in the sewer. From these two measurements a flow (Q) can be calculated ($Q = A * V$). The flow monitors were programmed to report collected depth, velocity, and flow readings every 10-minutes. Flow data was collected approximately every two weeks by City personnel using a laptop computer. Flow data for each monitor is presented in Appendix A.3. The locations of the flow monitors are shown on **Figure 4.4** and **Table 4.3** lists the exact location of the flow monitors and the purpose for the location selection. The flow monitor locations were determined so that the monitors could measure the dry-weather sanitary flows throughout the City. A few flow monitors had other purposes such as CSO-052_M011 which was installed to measure flow coming into the City of Lakewood from the City of Cleveland.

Data analysis began with verification of the flow monitor setup information. The installation information was reviewed with City personnel. The monitoring plan was based on historical record information, and in some cases the actual pipe sizes and shapes were different than the records. Some flow monitors were not placed in the planned locations because the original placement location was not accessible or was not configured as the record information indicated.

The City personnel prepared a Flow Monitor Site Data Sheet for each monitor location at the time of installation. Information included flow direction in and out of the manhole, the pipe which contained the flow monitor, and any other pertinent information. The Flow Monitor Site Data Sheet are included in Appendix D. Visits to the flow monitoring sites were made approximately every two weeks to measure flow depth and velocity, recalibrate the depth sensors, check the condition of the electronic equipment, and download the recorded flow data. Notes were made to the appropriate Flow Monitor Site Data Sheet at the time of the observation regarding the monitor data, measurements recorded at the time of observation, and the condition of the monitor.

Data from three flow monitors installed in 2010 for the Phase I Flow Data Analysis were used for this study in the efforts to calibrate CSO-059C. CSO-056_M018 was reinstalled in 2012 since the 2011 data was not usable and the monitor location was essential to calibrating CSO-056.

\\mr-fs1\mr-vol1\2011\1101601\REPORTS\2014-09-23 City Comments\MXD\Figure 4-04 Flow Monitor Locations with CSO Catchments.mxd



**Table 4.3: City of Lakewood Integrated Wet-Weather Improvements Plan
Flow Monitor Locations in Relation to WWF Calibration**

CSO Area	Monitor	Location	Diameter (in)	Purpose
002	46	Lake Road at Webb	10	Estimate sanitary flow after MH separation
002A	44	Sloane at West Clifton	30	Estimate dry weather sanitary flow
002B	45	Clifton Boulevard at Clifton Road	10	Estimate dry weather sanitary flow
002C	43	Detroit at West Clifton	15	Estimate sanitary flow after MH separation
002D	47	South side of Clifton at Webb	24	Estimate dry weather sanitary flow
	48	North side of Clifton at Webb	12	Estimate dry weather sanitary flow
002E	50	Summit at Clifton	12	Estimate dry weather sanitary flow
	52	Summit at Edgewater	12	Estimate dry weather sanitary flow
002F	42	Riverside between Franklin/Arendale	27	Estimate sanitary flow after MH separation
052	1	Lincoln north of Athens	12	Estimate sanitary flow after MH separation
	2	Lincoln south of Madison	60	Estimate dry weather sanitary flow
	3	Madison West of Lincoln	12	Estimate sanitary flow after MH separation
	4	Warren south of Madison	10	Estimate sanitary flow after MH separation
	5	Madison east of Morrison	12	Estimate sanitary flow after MH separation
	6	Olive/Hilliard	30	Estimate dry weather sanitary flow
	7	Hilliard south of Madison	8	Estimate sanitary flow after MH separation
	8	Hilliard east of Eldred	10	Estimate sanitary flow after MH separation
	9	Madison at Spring Garden	12	Estimate sanitary flow after MH separation
	10	Fischer at Northland	15	Establish flow from Cleveland
	11	Riverside north of Naragansett	33	Estimate dry weather sanitary flow
	12	Riverside at Hillard	33	Estimate dry weather sanitary flow
	13	Riverside at Indianola	24	Estimate dry weather sanitary flow
	14	Riverside at Daleview	27	Estimate dry weather sanitary flow
053/054	114	Detroit Extension/Scenic	12	Estimate sanitary flow for West End
055	15	Lake west of Hall	30	Estimate dry weather sanitary flow

**Table 4.3 (cont.): City of Lakewood Integrated Wet-Weather Improvements Plan
Flow Monitor Locations in Relation to WWF Calibration**

CSO Area	Monitor	Location	Diameter (in)	Purpose
056	16	Victoria north of Hilliard	10	Estimate dry weather sanitary flow
	17	Detroit East of Elmwood	10	Estimate dry weather sanitary flow
	70	Detroit West of Victoria	10	Estimate dry weather sanitary flow
	18	Clifton west of Gladys	24	Estimate dry weather sanitary flow
	19	Lake btw Leedale & Rosalie	#6 Egg	Estimate dry weather sanitary flow
	51	Lakeland South of Clifton	8	Estimate dry weather sanitary flow
	53	Lakeland South of Edgewater		Estimate dry weather sanitary flow
057	21	Belle north of Detroit	18	Estimate dry weather sanitary flow
	22	Clifton/Giel	15	Estimate sanitary flow after MH separation
	23	Clifton west of Marlowe	20	Estimate dry weather sanitary flow
	24	Lakewood Park	24	Estimate dry weather sanitary flow
058	25	Clifton west of Chase	15	Estimate sanitary flow after MH separation
	26	N. side Lake	36	Estimate dry weather sanitary flow
059	28	Gold Coast	15	Estimate dry weather sanitary flow
059A	34	Robinwood at Detroit	18	Estimate dry weather sanitary flow
	35	Detroit at Bunts	12	Estimate dry weather sanitary flow
	36	Clarence at Detroit	27	Estimate dry weather sanitary flow
	37	Grace at Detroit	24	Estimate dry weather sanitary flow
	38	Lewis at Detroit	8	Estimate sanitary flow after MH separation
	39	Nicholson north of Hazelwood	12	Estimate dry weather sanitary flow
	40	Edgewater East of Roy	8	Estimate dry weather sanitary flow
059B	41	Clifton west of Nicholson	12	Estimate dry weather sanitary flow
	68	Wilbert	12	Estimate dry weather sanitary flow
059C	30	Lake at W. 117th	15	Calibrate combined sewer area
	31	Hird at Clifton	18	Calibrate combined sewer area
	09	Madison at W. 117th		2010 ¹
	10	W 117th south of Lake		2010 ¹
	11	Detroit at W. 117th		2010 ¹

¹Monitors were installed in 2010 for Phase I Flow Data Analysis

4.6 FLOW MONITORING DATA REVIEW

The flow monitoring data was reviewed to determine the quality of the data with respect to using it for model calibration and validation. Hydrographs were prepared for each month showing depth, velocity, flow, and precipitation data. Examples of monthly and single-event hydrographs are shown in **Figures 4.5** and **4.6**, respectively.

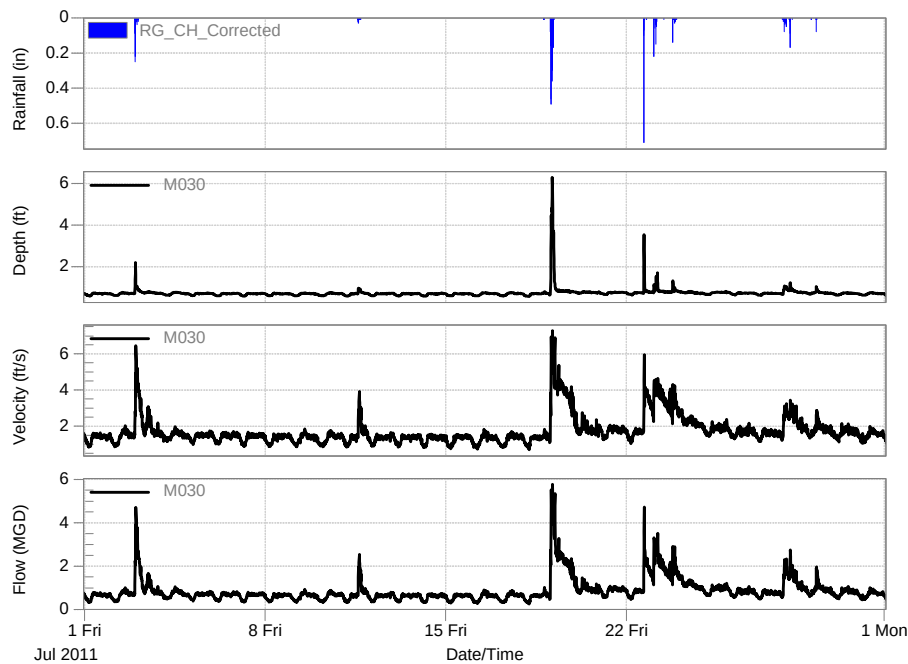


Figure 4.5: Example Depth and Velocity Monthly Hydrograph

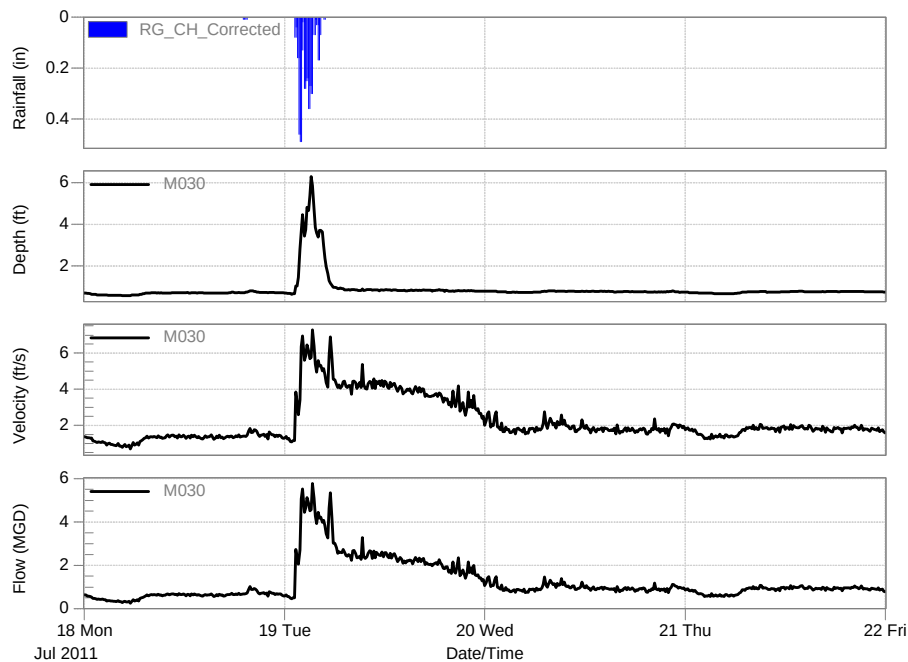


Figure 4.6: Example Single-Event Hydrograph

4.7 FLOW MONITORING DATA QUALITY ANALYSIS

The flow monitoring data was reviewed for indicators of data quality. Each quality indicator is described in Section 4.7.1 through Section 4.7.4. Hydrographs were used to evaluate:

- Data gaps in velocity and/or depth data
- Data drifting
- Synchronized movement of the velocity and depth readings
- Proportional movement of the velocity and depth readings

4.7.1 DATA GAP ANALYSIS

The flow monitoring data was checked for data gaps at each monitoring site. Data gaps can be caused by low battery power, monitor servicing, temporary monitor removal for pipe cleaning, monitor submergence, sensor dislodgement or monitor malfunction.

Figure 4.7 shows a data gap from May 13 to June 9 for CSO-002_M043. The Flow Monitor Site Data Sheet indicated the no data had been logged since May 13 so the battery was changed during the May 25 site visit. The subsequent site visit revealed that the monitor was still not logging data so at that time the canister was replaced. In this case the monitor began working after the canister replacement but dropped out again on June 23. The crews were not able to get the monitor to work again after that.

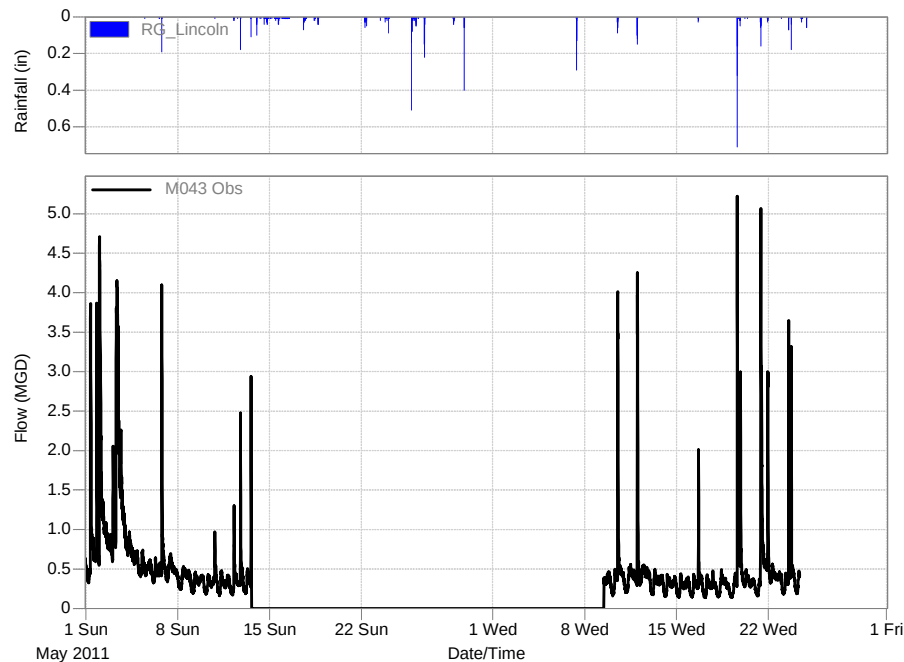


Figure 4.7: Data Gap Example

Data gaps under-estimate flows because the program will calculate zero flow for the missing time period. If the gap occurs during a wet-weather event, storm flow data will be under-calculated and the data cannot be used for calibration. This could lead to incorrect conclusions about the effectiveness of proposed rehabilitation techniques.

4.7.2 DATA DRIFT ANALYSIS

Data drifting is a common problem in which there is a slow and steady movement of the flow data away from the flow monitor calibration point. Using the hydrograph, the dry-weather flow was reviewed to verify that the average dry-weather flow generally remained consistent throughout the monitoring period. Data drifting will produce inaccurate flow data readings. The hydrographs shown in **Figure 4.8** is typical of the sites which showed no evidence of drifting. The hydrograph in **Figure 4.9** shows an example of data drifting for CSO-056_M051. From June 25 to June 28 the difference between depth and velocity is constant but then the depth begins to increase while the velocity continues the same diurnal pattern.

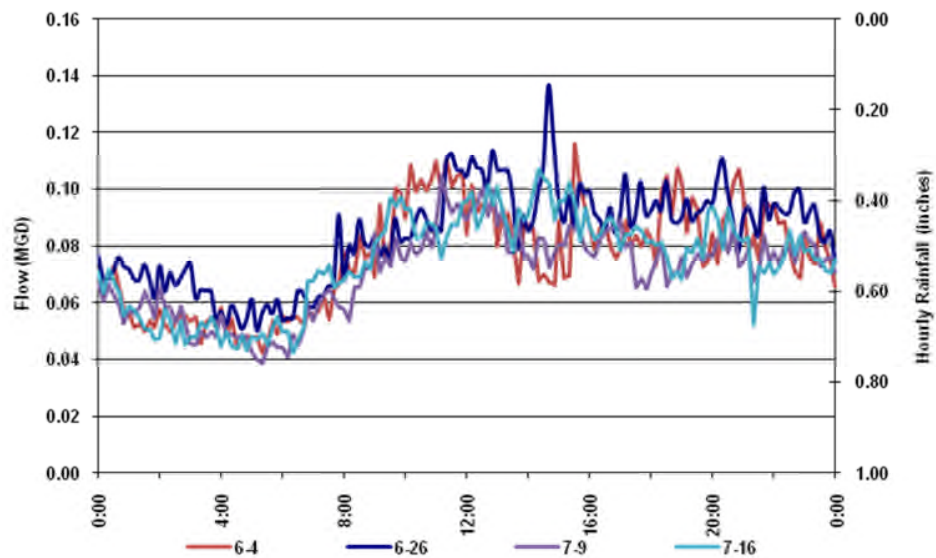


Figure 4.8: Dry-Weather Flow Hydrograph

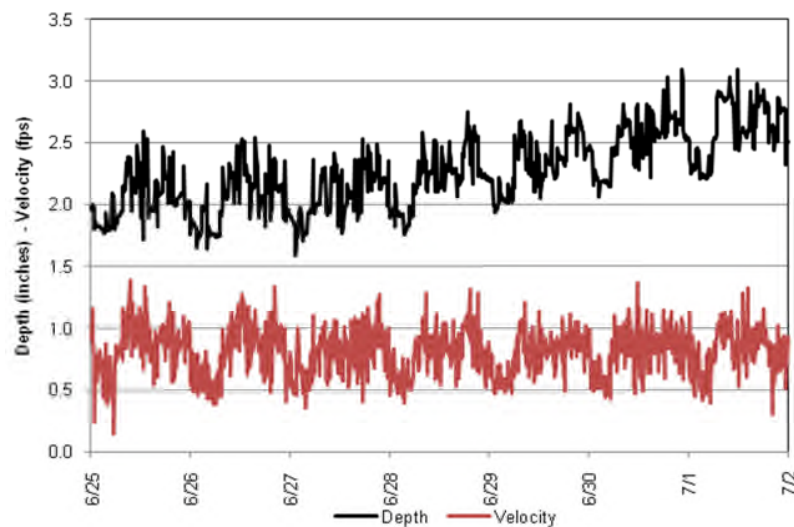


Figure 4.9: Data Drift Flow Hydrograph for CSO-056_M051

4.7.3 DEPTH AND VELOCITY DATA ANALYSIS – SYNCHRONIZED RECORDING

As a check on the operational status of the depth and velocity sensors, the movements of the depth and velocity data were reviewed to see that they began responding to rain events at approximately the same time. An offset in the response of the depth or velocity to precipitation of more than one recording period would indicate a problem with the monitor and bring the viability of the

data into question. **Figure 4.10** is typical of the flow monitor data. No synchronization issues were observed at this monitor.

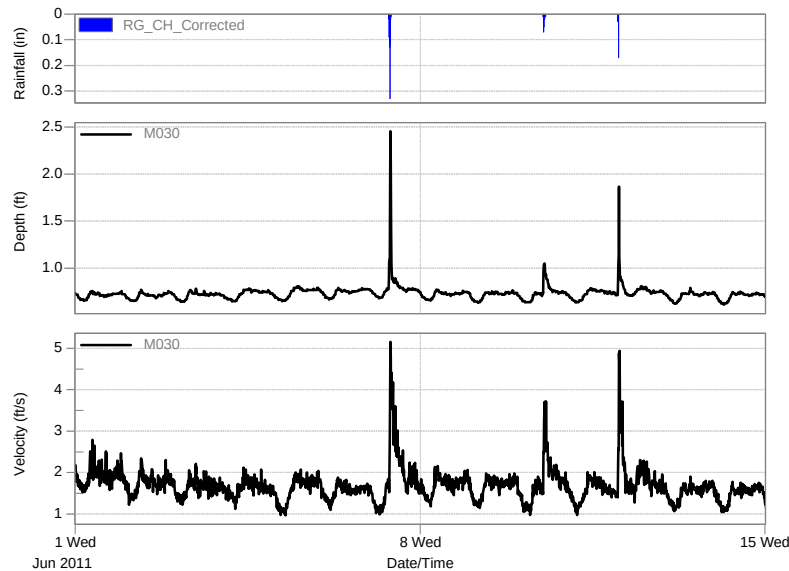


Figure 4.10: CSO-059C_M030 Depth and Velocity Data Synchronization, June 2011

4.7.4 DEPTH AND VELOCITY DATA ANALYSIS – SCATTERGRAPH RELATIONSHIP

An additional check on the operational status of the sensors was a review of the proportionality of the movement for the depth and velocity readings. Debris in the flow stream (i.e. rags, sediment, etc.) can impair the ability of both the depth and velocity sensors to measure accurately. **Figure 4.11** is the scattergraph for CSO-059_M028 of depth versus velocity. On average, the velocity and depth moved proportionately. There is no backwater condition at this site.

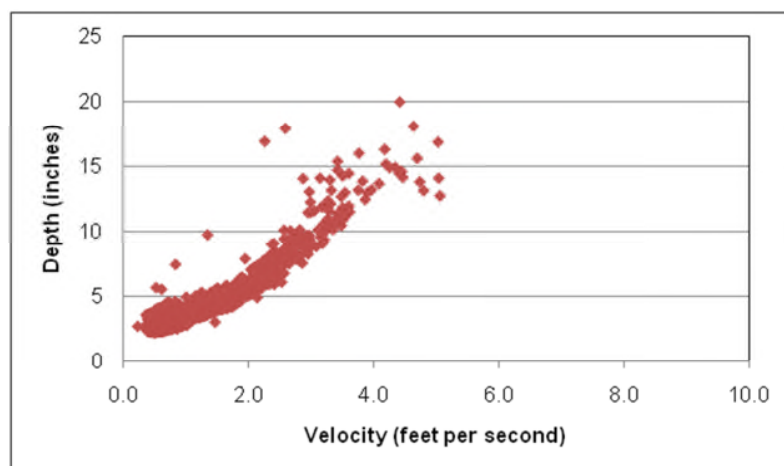


Figure 4.11: Example Scattergraph – CSO-059_M028

4.8 DRY-WEATHER FLOW DATA ANALYSIS – CONSISTENCY

The consistency of flows during dry-weather was reviewed to assess the ability of a model to reproduce the flows. For the data available from the dry days, plots of flow rate versus time were reviewed. **Figure 4.8** in Section 4.7.2 shows the dry-weather hydrographs for CSO-059_M028. The range of flows versus the average flows on fits a reasonable envelope. The dry weather hydrographs were within ± 25 percent of the average flow. A 25 percent error is higher than the recommended 10 percent in the WaPUG standards and would suggest that the dry-weather data quality is average quality data.

4.9 IRRECONCILABLE MONITOR DATA

Consistency and quality of the flow data varied from monitor to monitor therefore each monitor was analyzed separately. Based on the flow monitoring data review it was determined that some monitor data was affected by the conditions described in Section 4.7.1 through Section 4.7.4. Some adjustments were made to the flow monitor data to correct for data drifts and smaller data drop outs. Some monitors had larger data drop outs, but were used for calibration as long as there were periods of dry-weather and wet-weather data that were usable. Monitors where the data drop outs were continuous or where the data had unexplainable variations were eliminated from the calibration process. A list of monitors excluded from the calibration and reason for excluding the monitor is included in **Table 4.4**.

Fifty flow monitors were installed for this study of which 21 flow monitors were excluded from the model calibration. In comparison, the 1978 study completed by Watermation, Inc. only used 10 flow monitors to collect flow data. Flow monitoring for the Long-Term Control Plan prepared by Metcalf and Eddy (AECOM) in 2003 utilized 21 flow monitors. Although 40% of the flow monitoring data was not usable, it is still the most comprehensive flow monitoring undertaken by the City at this time.

Table 4.4: Flow Monitors Excluded from Model Calibration

CSO	Monitor #	Location	Reason for elimination
CSO-002	46	Lake Road at Webb	Continuous data dropouts
CSO-002D	48	North side of Clifton at Webb	Continuous data dropouts
CSO-002E	50	Summit at Clifton	Continuous data dropouts
CSO-052	1	Lincoln north of Athens	Continuous data dropouts
	2	Lincoln south of Madison	Poor dry weather flow data
	3	Madison West of Lincoln	Inconsistent data
	5	Madison east of Morrison	Inconsistent data
	9	Madison at Spring Garden	Monitor only recorded data in July with data dropouts
	10	Fischer at Northland	Continuous data dropouts
	11	Riverside north of Naragansett	Poor dry weather flow data
	12	Riverside at Hillard	Continuous data dropouts
	13	Riverside at Indianola	No data recorded
CSO-056	17	Detroit East of Elmwood	Continuous data dropouts
	19	Lake btw Leedale & Rosalie	Continuous data dropouts
	53	Lakeland South of Edgewater	Continuous data dropouts
CSO-057	22	Clifton/Giel	Continuous data dropouts
	24	Lakewood Park	Continuous data dropouts
CSO-058	40	Edgewater East of Roy	Continuous data dropouts
CSO-059A	36	Clarence at Detroit	Poor hydraulic conditions due to leaping weir in manhole
	37	Grace at Detroit	Monitor only recorded data in July with data dropouts and data drifts
CSO-059B	41	Clifton west of Nicholson	Continuous data dropouts
CSO-059C	31	Hird at Clifton	Continuous data dropouts

CHAPTER 5 – DRY-WEATHER FLOW CALIBRATION

5.1 DRY-WEATHER PERIOD

A variety of sources may be utilized to determine typical dry-weather flow (DWF) for the model. Data are typically available from sources such as:

- Population Estimates
- Water Usage Statistics
- Flow Monitoring

It is important to calibrate the model's DWF parameters prior to wet-weather flow (WWF) calibration. Accurate DWF data is required for collection system modeling as the DWF calibration serves as the foundation for WWF calibration. The first step to DWF calibration is to identify the dry-weather periods available for calibration. Once the periods are identified, periods with poor data should be eliminated from consideration for DWF calibration.

The City's flow monitoring period began in April, 2011. Flow monitors were removed from the system in August, 2011. Not all flow monitors were installed in April and some were pulled early in August while others were removed late in August. The locations of the installed flow monitors are shown in **Figure 5.1**. The City initially installed 50 flow monitors for data collection; however, 21 were not able to be used for DWF calibration. The period consistent across nearly all 29 flow monitors spans from May through July, 2011. For consistency in the model, it was desirable to calibrate the DWF for all flow monitors to the same period if possible. Several DWF periods were identified as possible calibration candidates including:

- June 01-07, 2011
- July 12-18, 2011

Most flow monitors collected good quality data for the July 12-18, 2011 period; therefore, this was the primary period used for DWF calibration. Several flow monitors did not collect good quality data during the July period and these flow monitors used other available DWF periods for calibration. Three flow monitors were installed during 2010 and used for DWF calibration. These monitors used the May 23-30, 2010 period for DWF calibration. **Table 5.1** presents the DWF periods used for calibration for each flow monitor.

Table 5.1: DWF Period Identified for Each Flow Monitor¹

Overflow Area	Monitor Name	Begin DWF Period (Date)	End DWF Period (Date)
CSO-002A	M044	7/12/2011	7/18/2011
CSO-002B	M045	7/12/2011	7/18/2011
CSO-002C	M043	6/13/2011	6/16/2011
CSO-002D	M047	7/12/2011	7/18/2011
CSO-002E	M052	7/4/2011	7/11/2011
CSO-002F	M042	7/4/2011	7/11/2011
CSO-052	M004	7/25/2011	8/2/2011
	M008	5/31/2011	6/7/2011
	M014	7/4/2011	7/8/2011
CSO-053/054	M114	7/12/2011	7/18/2012
CSO-055	M015	5/31/2011	6/7/2011
CSO-056	M016	7/12/2011	7/18/2011
	M018	5/14/2012	5/20/2012
	M051	5/31/2011	6/7/2011
	M070	7/12/2011	7/18/2011
CSO-057	M021	7/12/2011	7/18/2011
	M023	7/13/2011	7/17/2011
CSO-058	M025	7/12/2011	7/18/2011
	M026	7/12/2011	7/18/2011
CSO-059	M028	7/12/2011	7/18/2011
CSO-059A	M034	7/13/2011	7/17/2011
	M035	7/13/2011	7/17/2011
	M038	7/13/2011	7/17/2011
	M039	7/4/2011	7/10/2011
CSO-059B	M068	5/31/2011	6/7/2011
CSO-059C	M030 ²	7/12/2010	7/19/2010

¹Only flow monitors used for DWF calibration are shown here. For a list of all meters installed, see Figure 4.4 or Table 4.3 of this report.

²Meter installed in 2010 and used for calibration to avoid large uncalibrated areas in the model.

5.2 DRY-WEATHER FLOW

DWF is the combination of domestic, commercial, and industrial wastewater flow in the sanitary or combined sewer system during periods in which the sewer system is not influenced by precipitation in the form of infiltration and inflow (I/I). The two constituents of DWF are base wastewater flow (BWF) and groundwater infiltration (GWI). **Equation 5.1** establishes the relationship of BWF and GWI to DWF.

$$DWF = BWF + GWI \quad \text{Eq. 5.1}$$

The SWMM model has specific input parameters to replicate observed DWF. Since GWI is reasonably constant for a particular location over a relatively short temporal horizon, GWI is traditionally calculated as a fixed percent of the average DWF for the same period. For the Lakewood system model, GWI was assigned monthly variations. The monthly GWI patterns are discussed in detail in Section 5.3.

BWF changes on a shorter time horizon than GWI. The predictable temporal variation of BWF creates the well-known diurnal pattern in the sewer collection system. Typically the diurnal pattern shows a peak in water usage early in the morning as people prepare for work and a spike in the evening as people return from work and water usage in the house increases for cooking, etc. **Figure 5.2** shows a visual representation of the elements of DWF with the addition of rainfall dependant infiltration and inflow (RDII). RDII is discussed in detail in Chapter 6 of this report.

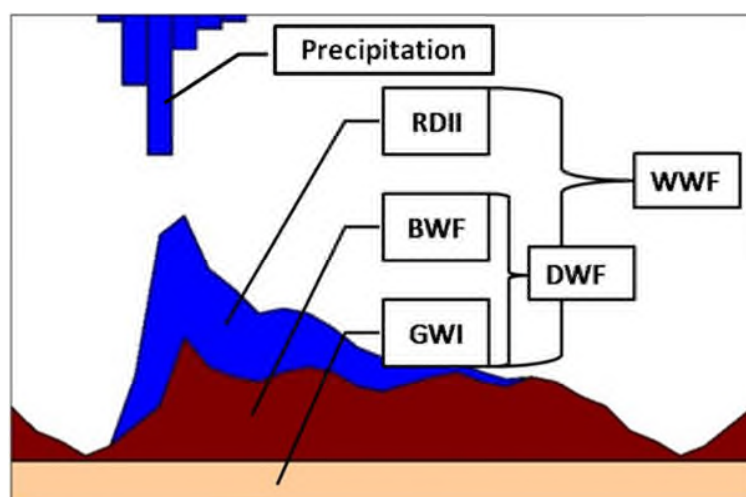


Figure 5.2: Flow Components

5.3 GROUNDWATER INFILTRATION CALCULATION

GWI is different from infiltration induced by precipitation because GWI is always present in the system. GWI varies spatially and temporally, potentially making it

difficult to identify. Typically, GWI is calculated as a percentage of the DWF determined from observed flow at flow monitor locations or at the wastewater treatment plant (WWTP). In the absence of measured data, a percentage of the known return rate of domestic water supply can be substituted into the model.

Domestic, commercial, and industrial contributions compose normal municipal wastewater flow streams. On average, 60 to 90 percent of the treated water distributed to domestic customers is returned to the WWTP from in-home use such as: appliances, showers, tubs, and toilets (Guadalupe-Blanco River Authority, www.gbra.org/documents/studies/caldwell/09-WastewaterFlows.pdf). The 10 to 40 percent of potable water not returned as wastewater is generally used for outdoors applications such as: lawn-water, gardening, or vehicle washing. **Figure 5.3** shows the typical municipal water cycle (flow rates shown for illustration purposes only and do not represent the City's water production or wastewater flow).



Figure 5.3: Municipal Water Cycle

The calculation to determine GWI flows in the SWMM model is shown in **Equation 5.2**.

$$GWI = \text{Baseline Value} \times \text{Baseline Pattern} \quad \text{Eq. 5.2}$$

Baseline Value is the average value of GWI and the *Baseline Pattern* is a monthly adjustment multiplier. The *Baseline Pattern* is discussed in detail in Section 5.5.1 of this report. The baseline GWI patterns computed for each flow monitor can be found in Appendix E.

5.4 BASE WASTEWATER FLOW CALCULATION

Generally, BWF follows predictable diurnal patterns for a given service area. BWF can be identified by:

- Land Use
- Service Area Size
- Service Area Growth/Development Rate
- Water Use Practices

A “typical” BWF calculation is represented by diurnal variations applied to small sewer areas (flow monitor tributary areas). The BWF for the SWMM model is determined by **Equation 5.3**.

$$BWF = Avg. Flow \times Monthly \times Daily \times Hourly \times Weekend \quad \text{Eq. 5.3}$$

Where *Avg. Flow* is the average flow value, *Monthly*, *Daily*, *Hourly*, and *Weekend* are multipliers to adjust the magnitude of the average flow value to create a diurnal pattern. Each term in Equation 5.3 is discussed in detail in subsequent sections of this report. The BWF patterns computed for each flow monitor can be found in Appendix F.

5.5 DRY-WEATHER FLOW TIME PATTERNS

Time patterns allow the model to control the predictable periodic variation of observed dry-weather wastewater flows. Dry-weather flow time patterns consist of a set of adjustment factors applied as multipliers to a baseline DWF flow rate (or pollutant concentration, for water quality modeling). The different types of time patterns include:

- Monthly
- Daily
- Hourly
- Weekend

Each average dry-weather flow value can have up to four unique patterns (multipliers) assigned to it. Only one of each type of dry-weather flow time pattern may be assigned to a dry-weather flow value. Each type of time pattern is discussed in detail in the subsequent sections of this report.

5.5.1 BASELINE TIME PATTERN

The Baseline Time Pattern is an optional time pattern whose factors adjust the baseline flow value on either an hourly, daily, or monthly basis, depending on the type of time pattern specified. GWI fluctuations are often represented by the Baseline Time Pattern used to account for variation in the baseline flow value. The baseline flow is the absolute minimum flow observed for the DWF period. The GWI (or baseline) pattern multiple increases the baseline value (>1) or

decreases the baseline value (<1). In order to maintain the desired minimum baseline value, the multiples should average approximately 1.0.

5.5.2 MONTHLY TIME PATTERN

The Monthly Time Pattern is an optional time pattern whose factors adjust the average flow value on a monthly basis. The Monthly Time Pattern can be used to fine tune the DWF calibration because typically, the BWF average value does not show large monthly deviations. The monthly pattern multiple increases the average value (>1) or decreases the average value (<1). In order to maintain the desired minimum monthly flow, the monthly multiples should average 1.0 over a 12-month period.

5.5.3 DAILY TIME PATTERN

Occasionally, a specific day of the week was observed to be consistently different than other days of the week. A Daily Time Pattern was used to account for this difference. The Daily Time Pattern is an optional time pattern whose factors adjust the average flow value on a day-of-the-week basis. The daily pattern multiple increases the average value (>1) or decreases the average value (<1). In order to maintain the desired minimum daily flow, the daily multiples should average 1.0 over a week-long period.

5.5.4 HOURLY TIME PATTERN

The Hourly Time Pattern is an optional time pattern whose factors adjust the average flow value on an hour-by-hour basis. The Hourly Time Pattern replicates the observed diurnal pattern quite well. The hourly pattern multiple increases the average value (>1) or decreases the average value (<1). In order to maintain the desired minimum hourly flow, the monthly multiples should average 1.0 over a 24-hour period.

5.5.5 WEEKEND TIME PATTERN

Occasionally, the weekday and weekend time diurnal patterns were observed to be consistently different. The Weekend Time Pattern is an optional time pattern whose factors adjust the average flow value on an hour-by-hour basis for weekend days only. The Weekend Time Pattern replicates the observed weekend diurnal pattern quite well. The weekend pattern multiple increases the average value (>1) or decreases the average value (<1). In order to maintain the desired minimum monthly flow, the weekend hourly multiples should average 1.0 over a 24-hour period.

5.6 DRY-WEATHER FLOW CALIBRATION

DWF was calibrated for each flow monitor to the period shown in **Table 5.1** (Section 5.1). In addition to the modeling parameters mentioned in Sections 5.2 through 5.5, field

data were used to calibrate the DWF model. The field data, calibration effort, and results are discussed in the following sections.

5.6.1 WATER CONSUMPTION DATA COLLECTION AND ANALYSIS

Individual household water billing (water consumption) records were utilized as the basis for generating DWF hydrographs in the DWF model simulations. The City's water billing record data were used to establish expected average DWF values at each modeled subcatchment area. Observed flow monitoring data were used to confirm average DWF flow rates generated from the water billing data.

To create needed DWF model inputs, water usage at the flow monitor basin level was calculated by correlating the water usage records to the model delineated catchments. The subcatchment water usage is the summation of all the individual parcel water usage within the delineated subcatchment. DWF baseline values were created for each flow monitor basin using average values obtained from the water consumption data.

5.6.2 DRY-WEATHER FLOW DATA ANALYSIS

Flow monitoring data were also used to estimate BWF contributions and define diurnal patterns (both weekday and weekend) within each flow monitor basin. DWF average values were generated for each flow monitor basin using average values obtained from the flow monitoring data.

The USEPA Sanitary Sewer Overflow Analysis and Planning (SSOAP) Toolbox was utilized to develop the DWF time patterns discussed in Section 5.5. The SSOAP Toolbox, in combination with Microsoft Excel, was used to adjust the parameters in order that the modeled DWF curve will match the observed data.

5.6.3 DRY-WEATHER FLOW CALIBRATION PROCESS

In general, the calibration process consisted of adjusting parameters in the model to make model simulations match observed data. The process of dry-weather model calibration was to adjust the GWI baseline values and baseline patterns to match the minimum observed flows. The DWF diurnal patterns were modified by adjusting, hourly, daily, and monthly factors, to match the magnitude, amplitude, and timing of the observed flow monitoring data. Adjustments were also made to Manning's roughness coefficient for conduits to help calibrate depth.

The calibration process was performed gradually from upstream subcatchments to downstream subcatchments. **Table 5.2** lists the flow monitoring locations and indicates which were not included due to poor quality data, by showing them in grey instead of black text.

Table 5.2: Flow Monitor Locations in Relation to DWF Calibration¹

Overflow Area	Flow Monitor	Location	Node Name	Used for Model
CSO-002	M046	Lake Road at Webb	002T204	NO
CSO-002	M048	North side of Clifton at Webb	002C191	NO
CSO-002	M050	Summit at Clifton	002S2170	NO
CSO-002A	M044	Sloane at West Clifton	002S091	YES
CSO-002B	M045	Clifton Boulevard at Clifton Road	002S117	YES
CSO-002C	M043	Detroit at West Clifton	002S024	YES
CSO-002D	M047	South side of Clifton at Webb	002S164	YES
CSO-002E	M052	Summit at Edgewater	002S243	YES
CSO-002F	M042	Riverside between Franklin/Arendale	052SMeter002F	YES
CSO-052	M001	Lincoln north of Athens	052SMeter001	NO
CSO-052	M002	Lincoln south of Madison	052SMeter002	NO
CSO-052	M003	Madison West of Lincoln	052SMeter003	NO
CSO-052	M004	Warren south of Madison	052SMeter004	YES
CSO-052	M005	Madison east of Morrison	052SMeter005	NO
CSO-052	M006	Olive/Hilliard	052SMeter006	YES
CSO-052	M007	Hilliard south of Madison	052SMeter007	YES
CSO-052	M008	Hilliard east of Eldred	052SMeter008	YES
CSO-052	M009	Madison at Spring Garden	052SMeter009	NO
CSO-052	M010	Fischer at Northland	052SMeter010	NO
CSO-052	M011	Riverside north of Naragansett	052SMeter011	NO
CSO-052	M012	Riverside at Hillard	052SMeter012	NO
CSO-052	M013	Riverside at Indianola	052SMeter013	NO
CSO-052	M014	Riverside at Daleview	052SMeter014	YES
CSO-053	M114	Detroit Extension/Scenic	053C007	YES
CSO-055	M015	Lake west of Hall	055C008	YES
CSO-056	M016	Victoria north of Hilliard	056S058	YES
CSO-056	M017	Detroit East of Elmwood	056S050	NO
CSO-056	M018	Clifton west of Gladys	056S021	YES
CSO-056	M019	Lake btw Leedale & Rosalie	056C899	NO
CSO-056	M051	Lakeland South of Clifton	056S2139	YES
CSO-056	M053	Lakeland South of Edgewater	056C100	NO
CSO-056	M070	Detroit West of Victoria	056S055	YES
CSO-057	M021	Belle north of Detroit	057C441	YES
CSO-057	M022	Clifton/Giel	057S032	NO
CSO-057	M023	Clifton west of Marlowe	057C013	YES
CSO-057	M024	Lakewood Park	057C002	NO
CSO-058	M025	Clifton west of Chase	057S028	YES
CSO-058	M026	N. side Lake	058C003	YES
CSO-059	M028	Gold Coast	059S002	YES
CSO-059A	M034	Robinwood at Detroit	059AC036	YES

Table 5.2 (cont.): Flow Monitor Locations in Relation to DWF Calibration

Overflow Area	Flow Monitor	Location	Node Name	Used for Model
CSO-059A	M035	Detroit at Bunts	059AS043	YES
CSO-059A	M036	Clarence at Detroit	059AC1310	NO
CSO-059A	M037	Grace at Detroit	059AT897	NO
CSO-059A	M038	Lewis at Detroit	059AS055	YES
CSO-059A	M039	Nicholson north of Hazelwood	059AS882	YES
CSO-059A	M040	Edgewater East of Roy	058C001A	NO
CSO-059B	M041	Clifton west of Nicholson	057S038	NO
CSO-059B	M068	Wilbert	059BS752	YES
CSO-059C ²	M009	Madison at W 117th	059C4494	NO
CSO-059C ²	M010	W. 117th south of Lake	059C0024	NO
CSO-059C ²	M011	Detroit at W. 117th	059C4223	NO
CSO-059C	M030	Lake at W. 117th	059C0021	YES
CSO-059C	M031	Hird at Clifton	059C0037	NO

¹Flow monitors not used for DWF calibration are shown in grey

²Data recorded in 2010 but used for model calibration

5.7 DRY-WEATHER FLOW CALIBRATION RESULTS AND DISCUSSIONS

The DWF model was calibrated to flow, depth, and volume for the periods shown in **Table 5.1**. Typical flow monitors record depth and velocity. Flow is a calculated value from the measured velocity and cross-sectional flow area (calculated from the measured depth). By calibrating to flow, depth, and volume (area under the flow curve) velocity is inherently calibrated as well. The Wastewater Planning Users Group (WaPUG) Code of Practice for The Hydraulic Modeling of Sewer Systems sets forth criteria for DWF calibration. A flow monitor area is considered to be well calibrated if the differences between simulated and observed maximum depth, peak flow, and total volume are within the range defined by the WaPUG criteria shown in **Table 5.3**. The difference in peak flow and total volume is calculated as the percentage of the observed peak flow and total volume, respectively. The difference in maximum depth is calculated in terms of depth.

Table 5.3: DWF WaPUG Calibration Criteria

Pipe Condition	Depth Criteria (ft)	Flow Criteria (%)	Volume Criteria (%)
Un-Surcharged	$-0.33 \leq \Delta \leq 0.33$	$-10 \leq \Delta \leq 10$	$-10 \leq \Delta \leq 10$
Surcharged	$-0.33 \leq \Delta \leq 1.67$	$-15 \leq \Delta \leq 25$	$-10 \leq \Delta \leq 20$

Figure 5.4 presents an example DWF calibration graph for flow monitor basin CSO-002E M052. The three graphs include the calibration of depth, velocity, flow, and flow volume. The graph shows the field measured data as a heavy black curve (M052 (obs)). The diurnal pattern is clearly evident in the observed data. The model generated flows are shown as a thin red curve (002-243_U and M052) on top of the observed data. Appendix G presents DWF calibration plots for all flow monitor basins. Overall, the

DWF calibration simulation results are within the range of WaPUG criteria for most of the flow monitor basins.

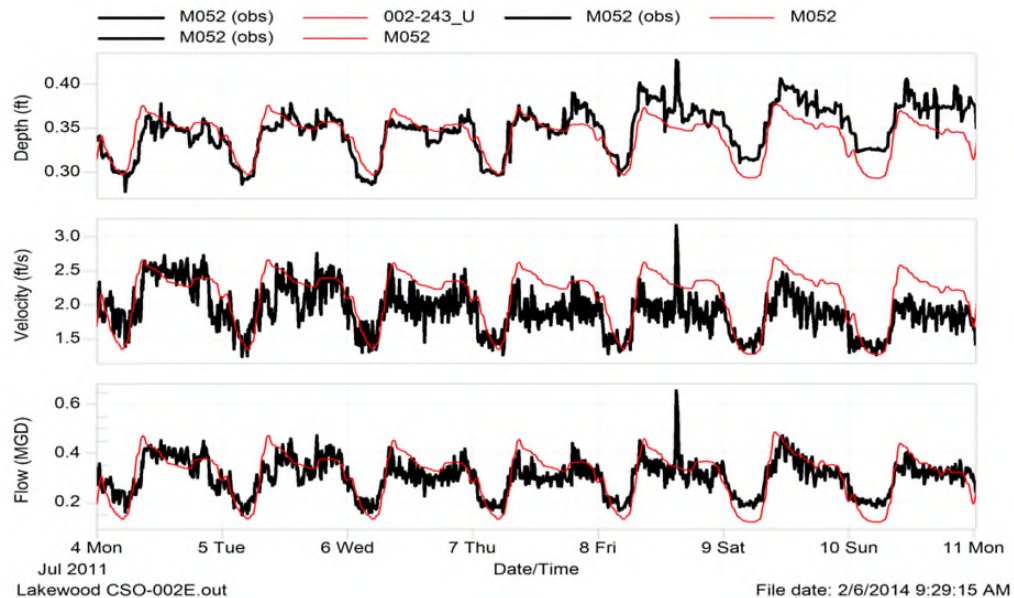


Figure 5.4: CSO-002E_M052 DWF Calibration Hydrograph¹

¹Friday July 8 recorded a spike in flow at this meter location;
This extraneous point was not considered when calibrating DWF

Figure 5.5 summarizes the DWF depth calibration for flow monitor basin CSO-002E_M052 using a scatter plot. Each data point represents the pairing of calibrated model and observed data. The data points located outside the range of “upper” and “lower” lines violate the WaPUG criteria for DWF. These data points are typically outside of the WaPUG criteria because of a data error or missing data. A data error may occur when the flow monitor sensor has a problem (e.g. debris on the sensor or the sensor reading drifts over time). Evidence of this is clearly recognizable when analyzing the data. Missing data occurs when a portion of the flow data for a given duration is missing or a constant value is recorded. **Figure 5.6** shows the DWF scatter graph for flow at flow monitor basin CSO-002E_M052. **Figure 5.7** summarized the DWF volume calibration for flow monitor basin CSO-002E_M052.

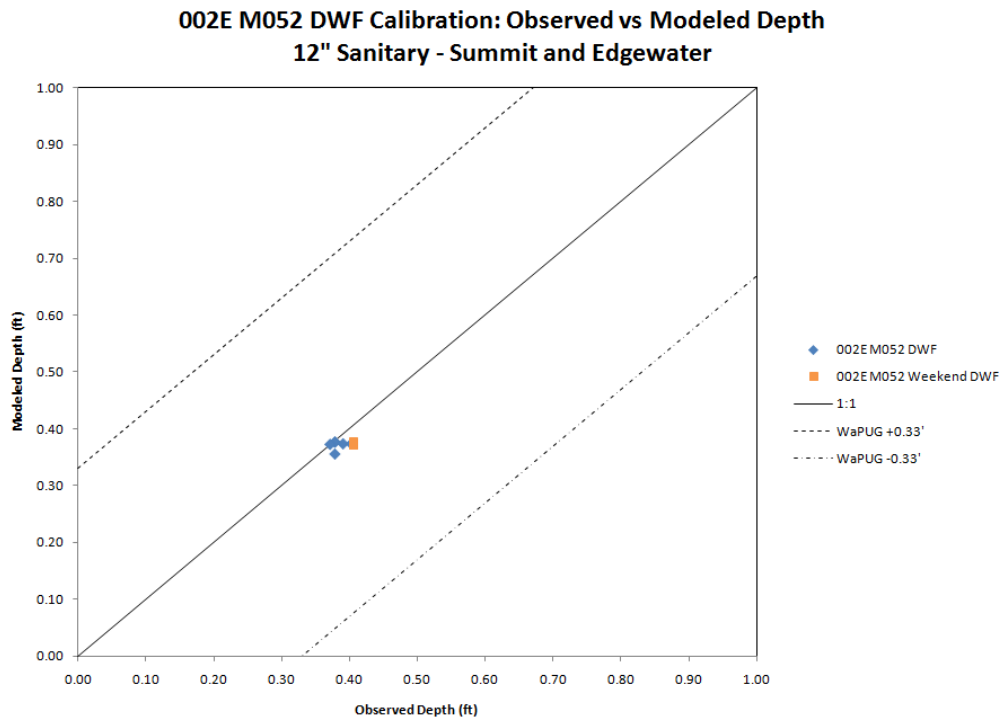


Figure 5.5: CSO-002E_M052 DWF Calibration Depth Scatter Plot

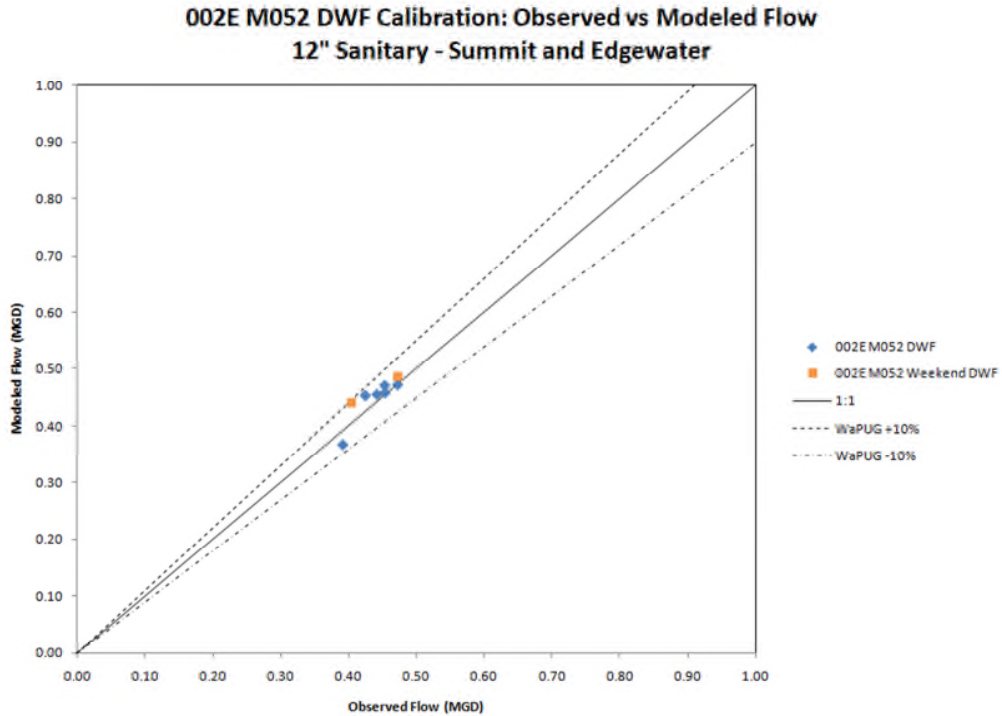


Figure 5.6: CSO-002E M052 DWF Calibration Flow Scatter Plot

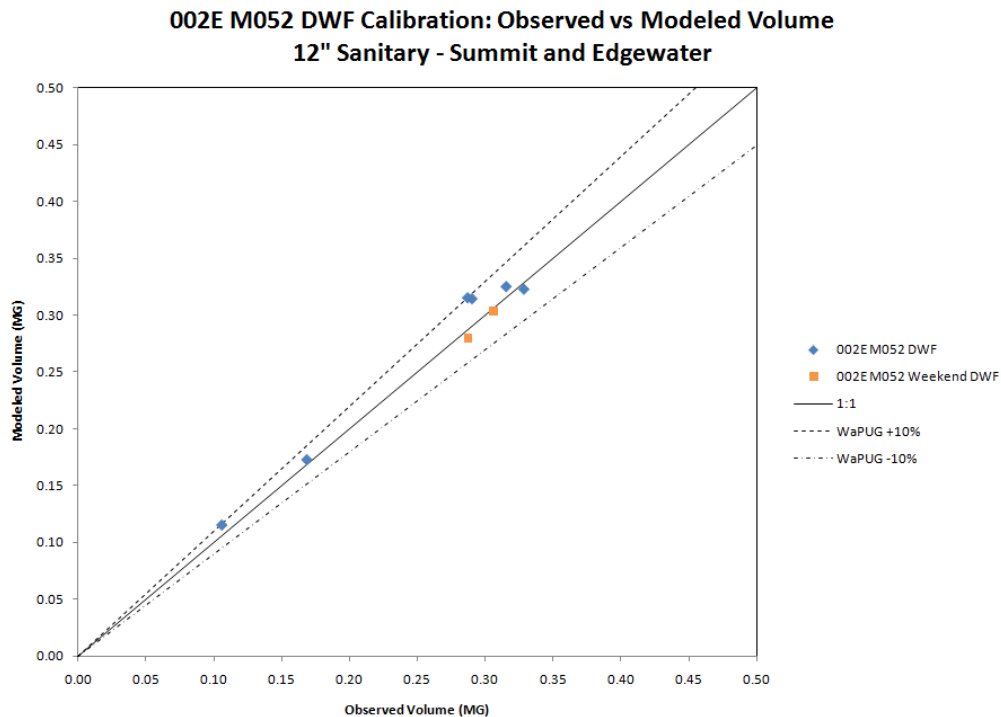


Figure 5.7: CSO-002E M052 DWF Calibration Volume Scatter Plot

Table 5.4 summarizes the DWF model simulation for maximum depth, peak flow rate, and total flow volume at all flow monitor basins used for calibration. The average absolute difference in simulated and observed maximum depth is 0.02 feet. The average absolute difference in simulated peak flow and observed peak flow is 0.08 MGD. The average absolute difference of simulated volume and observed volume is 0.01 MG. Overall, model simulation results show good agreement with the observed flow and the differences are within acceptable ranges for collection system modeling.

5.8 DRY-WEATHER FLOW VERIFICATION

To verify the DWF calibration, the model was run to simulate the entire monitoring period. This DWF model was run without the simulation of precipitation to isolate the DWF only. The periods of DWF other than the period used for calibration were identified and analyzed to verify the DWF calibration. Minor adjustments to the baseline or monthly patterns were made as needed to complete the model DWF verification.

Table 5.4: DWF Depth and Flow Calibration Summary

Area	Name	Maximum Depth Difference (Δft)	Peak Flow Difference (ΔMGD)	Peak Flow Difference (%)	Total Volume Difference (ΔMGD)	Total Volume Difference (%)
CSO-002A	M044	0.323	-0.068	-22.740	-0.001	-0.120
CSO-002B	M045	-0.178	0.012	26.030	-0.063	-39.090
CSO-002C	M043	-0.385	0.044	9.640	-0.074	-7.480
CSO-002D	M047	-0.536	0.054	13.510	0.053	4.310
CSO-002E	M052	-0.286	0.070	17.290	-0.137	-6.160
CSO-002F	M042	0.049	0.142	12.310	-0.214	-3.720
CSO-052	M004	0.007	0.031	20.470	-0.003	-0.510
CSO-052	M006	-0.034	0.001	0.420	0.011	1.940
CSO-052	M007	-0.001	0.007	4.410	-0.032	-7.720
CSO-052	M008	-0.116	0.068	37.670	0.082	8.930
CSO-052	M014	0.060	0.041	50.640	-0.021	-5.910
CSO-053	M114	0.135	0.028	43.260	-0.064	-24.970
CSO-055	M015	0.108	0.162	55.360	0.443	27.350
CSO-056	M016	-0.035	0.044	110.240	0.066	32.010
CSO-056	M018	-0.008	0.043	56.530	-0.051	-16.150
CSO-056	M051	0.135	0.168	88.360	0.068	8.530
CSO-056	M070	-0.047	0.168	28.830	-0.053	-1.730
CSO-057	M021	0.371	0.155	70.140	-0.120	-10.230
CSO-057	M023	0.337	0.252	651.040	0.058	30.100
CSO-058	M025	-0.087	0.008	6.620	-0.052	-10.210
CSO-058	M026	0.061	0.194	593.630	0.125	87.560
CSO-059	M028	-0.057	0.010	15.270	-0.057	-21.770
CSO-059A	M034	-0.471	0.129	285.380	0.082	45.730
CSO-059A	M035	0.077	0.229	31.750	0.090	2.100
CSO-059A	M038	0.019	0.010	64.420	-0.014	-26.470
CSO-059A	M039	-0.014	0.062	7.380	0.058	1.680
CSO-059B	M068	0.323	-0.068	-22.740	-0.001	-0.120
CSO-059C	M030	-0.178	0.012	26.030	-0.063	-39.090
System Average		-0.022	0.079	--	0.007	--

5.9 DRY-WEATHER FLOW EXTRAPOLATION TO TYPICAL YEAR

In contrast to single-event calibrations that may simulate up to several days, a continuous calibration may simulate several months or years during which the DWF, especially the GWI, varies month-to-month and season-to-season. The flow monitoring period for the City of Lakewood was only several months and not several years; therefore, the GWI seasonal variation was not captured in the flow monitoring data.

The Lakewood typical year model was configured so that the GWI and diurnal parameters can be adjusted monthly. In the absence of field measured data, it was reasoned that the months without data would be supplemented with observed data. A method was developed to complete the typical year model with available data. A yearly calendar can be separated into two distinct seasons based on the growth and dormancy of the local vegetation. The growth season can be defined as the days between the last frost of the spring and the first frost of the autumn. Conversely, the dormant season is the period between the first frost of the autumn and the last frost of the spring. For Ohio, the growth season generally lasts from April through September and the dormant season is usually October through March.

Due to the period of flow monitoring performed for the Lakewood system model, most data were collected during the growth season. Some flow monitors were installed early enough in the season to capture flow data in April. If April data were collected and of good quality, these dormant season parameters were applied to dormant season months during which data were not collected. In the absence of good quality April data, May parameters were applied to the dormant season months without data. May, which can be classified as a “transition” month between dormant and growth season, exhibits characteristics much more similar to the dormant season than June, July, or August, the months during which flow monitoring data were collected.

Some flow monitors were removed from the system in early August and others were removed later in August. If August data were collected and of good quality, these growth season parameters were applied to September which did not have data collection. September, which can often be classified as a “transition month” between growth and dormant seasons, usually resembles growth season parameters much more closely than dormant season parameters. In the absence of good quality August data, July parameters were applied to the growth season months without data (August and September). **Table 5.5** presents the monthly parameters that were applied for each month in the typical year model.

Table 5.5: DWF Patterns Used for Typical Year Model

Month	Flow Monitor Data	Season	Data Used in Typical Year Model¹
January	No	Dormant	April/May
February	No	Dormant	April/May
March	No	Dormant	April/May
April	Yes/No ¹	Dormant/Transition	April/May
May	Yes	Growth/Transition	May
June	Yes	Growth	June
July	Yes	Growth	July
August	Yes/No ¹	Growth	July/August
September	No	Growth/Transition	July/August
October	No	Dormant	April/May
November	No	Dormant	April/May
December	No	Dormant	April/May

¹Some flow monitors had data and were calibrated for April or August; others did not have data and were not calibrated. The Typical Year model was completed by matching monthly parameters to Growth or Dormant seasons.

CHAPTER 6 – WET-WEATHER FLOW CALIBRATION

6.1 WET-WEATHER FLOWS

Wet-weather flow (WWF) in a sanitary or combined sewer collection system is the combination of domestic, commercial, and industrial wastewater flow with the addition of rainfall derived infiltration and inflow (RDII). **Figure 6.1** shows a visual representation of the WWF response to precipitation on top of normal dry-weather flow (DWF). Chapter 5 discusses the elements of DWF in detail.

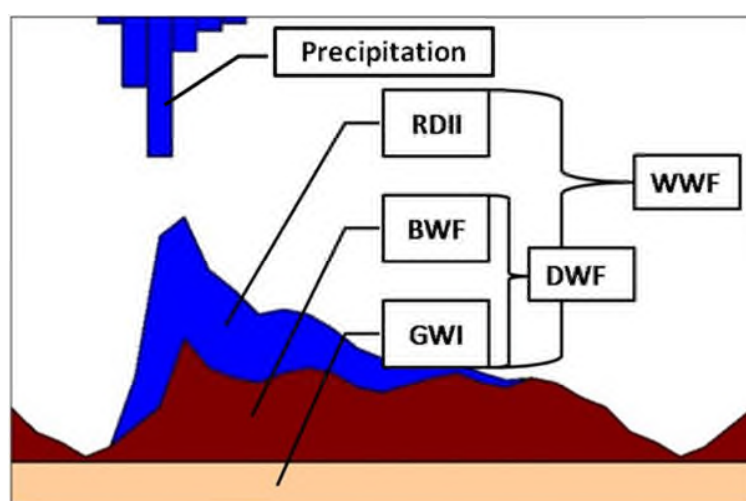


Figure 6.1: Wet-Weather Flow Response

The magnitude of RDII flows are directly related to the intensity and duration of the precipitation, the relative soil moisture at the time of the precipitation event, the condition of the sewers, and the size of the tributary area among other factors. It is not uncommon for peak flows during precipitation events to be the highest flow rates that occur in the collection system.

Infiltration and inflow (I/I) is problematic in a sanitary sewer collection system because it eliminates valuable capacity from the system that is normally reserved for sanitary sewage flows. Every sewer system experiences some degree of I/I; however, excessive I/I creates system back-ups, sanitary sewer overflows (SSOs), and basement flooding problems (BFP). I/I enters the collection system through illicit direct connections (e.g. downspouts, catch basins, inlets) or defects in sewer pipes, manholes, or service laterals (e.g. cracks, fractures, defective joints).

The SWMM model has specific input parameters to replicate observed RDII and WWF. Most common in stormwater collection system models is the runoff method. The unit hydrograph method (commonly referenced as the RTK method) is the most common

method for generating WWF in sanitary sewer collection system models. Combined sewer models may use either the runoff method or the RTK method, or a combination of both methods. Each method for generating WWF in the SWMM model is discussed in the subsequent sections.

6.1.1 RUNOFF METHOD

To create a wet-weather response in the collection system, the SWMM model simulates precipitation on a catchment area. When the precipitation exceeds the infiltration parameters, the excess precipitation (runoff) is the influent to the collection system.

6.1.2 RTK METHOD

To create a wet-weather response in the collection system without modeling subcatchments, the SWMM model uses a combination of unit hydrographs to simulate a rapid, intermediate, and long response. The total response in the sewer is represented by the sum of the three responses. **Figure 6.2** shows the three unit hydrographs and the total system response. The unit hydrographs are represented by three parameters:

- R: The percent of precipitation that enters the sewer system
- T: The time to peak of the unit hydrograph
- K: The ratio of the time to peak to the recession limb of the unit hydrograph

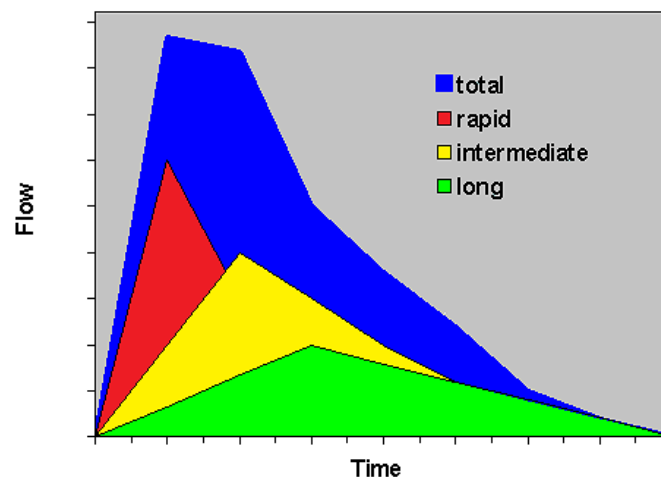


Figure 6.2: Total, Rapid, Intermediate, and Long RTK Response

6.2 WET-WEATHER EVENTS

A variety of sources may be utilized to determine wet-weather events for the model. Data are typically available from sources such as:

- National Oceanic and Atmospheric Administration (NOAA)

- National Weather Service (NWS)
- State Climate Offices
- Synthetic Precipitation Events
- Community Rain Networks
- Radar Rainfall
- Rain Gauge Monitoring

Synthetic precipitation events are traditionally used for predictive purposes after the model is calibrated. Projections of how the collection system will behave under a set of conditions (or proposed improvements) are often the end-goal of a modeling effort. The model can be used to predict the volume and frequency of overflows, flooding manholes, or potential BFPs.

Just as actual flow monitoring data is used to calibrate the model, actual precipitation gauge measurements should be used for calibration purposes. Actual precipitation records may come as long-term time series from sources such as NOAA and the NWS or records may be of a shorter temporal horizon from instruments installed specifically for the purposes of the modeling project. For calibration efforts, it is desirable to obtain precipitation records on the order of 5-minute to 10-minute resolution. One-hour resolution can be used for modeling exercises such as running a typical year simulation, but should not be used for detailed calibration. If hourly precipitation data is the only data available, it should be disaggregated into 5- to 10-minute resolution for detailed calibration.

Precipitation gauge site selection is also important to capturing wet-weather events. Poor precipitation data will adversely affect flow monitor calibration. While not always practical or affordable, radar rainfall typically provides the highest degree of spatial resolution. Precipitation gauges should be installed to adequately cover the study area. A minimum of three precipitation gauges are required and where possible, the gauges should be placed such that obstructions are an acceptable distance from the gauge (typically the acceptable distance from a gauge to an obstruction is the height of the obstruction). Wet-weather events can be identified from the time series recorded by each precipitation gauge.

6.2.1 WET-WEATHER EVENT IDENTIFICATION

In general, monitoring equipment (flow monitors and precipitation gauges) data should capture at least three acceptable precipitation events and system responses. Precipitation for wet-weather events should be:

- Large enough to generate runoff from the entire subcatchment
- Greater than 0.2 inches in depth
- Minimum 0.25 inches per hour in peak intensity
- Temporally independent (sufficient time for the flow to return to DWF between events)

Wet-weather events should produce peak flows such that:

- The response is large enough to negate any inherent measurement errors
- Flow responses are at least 1.5 to two times average DWF
- The flow depth exceeds 0.33 feet
- The flow velocity exceeds twice the DWF velocity and at least 0.66 feet per second

6.2.2 WET-WEATHER EVENT ANALYSIS

Precipitation data were collected for the Lakewood system model from May 5, 2011 through August 5, 2011. The data were collected on 10-minute intervals at the locations shown in **Figure 4.1**. Precipitation gauges were located at Lincoln Elementary School, Fire Station No. 1, and City Hall. Precipitation data from the wastewater treatment plant (WWTP) was not used for calibrating. The rain data from the other three rain gauges represent a more accurate representation of the rainfall data across the monitoring area.

Data from each gauge were analyzed for precipitation events. Experience determined that a four hour period between events would most likely satisfy temporal independence criteria. **Table 6.1** shows the precipitation statistics for the identified events.

Table 6.1: Identified Precipitation Events¹

Event #	Start Date	Duration (HH:MM)	Total (in)	Recurrence Interval	Peak (in/hr)	Recurrence Interval
1	5/14/2011	57.00	1.28	2-mo 72-hr	0.33	<2-mo 1-hr
2	5/25/2011	12.25	1.55	9-mo 12-hr	1.12	2-yr 1-hr
3	5/29/2011	0.50	0.56	6-mo 30-min	0.56	2-mo 1-hr
4	6/7/2011	0.94	0.62	3-mo 1-hr	0.62	3-mo 1-hr
5	6/19/2011	6.72	1.03	4-mo 6-hr	0.88	6-mo 1-hr
6	7/19/2011	7.44	3.86	50-yr 6-hr	1.92	25-yr 1-hr
7	7/22/2011	2.78	0.97	6-mo 3-hr	0.94	1-yr 1-hr
8	7/23/2011	5.28	0.70	<2-mo 6-hr	0.34	<2-mo 1-hr

¹The average precipitation from Lincoln_RG, CityHall_RG, and FireStation1_RG was used to determine acceptable calibration events. Meters were calibrated to precipitation from an individual gauge, not the average values shown in Table 6.1.

Not all flow monitors collected good quality data for all the identified precipitation events shown in **Table 6.1**. Data from each flow monitor were examined independently and each flow monitor was calibrated to at least three events. Most flow monitors were calibrated to as many precipitation events as possible.

6.3 INITIAL PARAMETERS

The calibrated DWF model was used as the starting point for the WWF model. The initial parameters in the WWF model were the DWF time series for monthly, daily, and hourly variations used to create the observed diurnal patterns.

The raw flow and precipitation data were analyzed in the USEPA's Sanitary Sewer Overflow Analysis and Planning (SSOAP) Toolbox to generate unit hydrograph parameters; R, T, and K. The WWF calibration process is described in Section 6.4.

6.4 CALIBRATION AND VERIFICATION PROCESS

In general, the calibration process consists of adjusting the non-measurable parameters in the model to match model simulations to flow monitor observations. Before the calibration process, the observed data were reviewed and only the acceptable data were selected for calibration. The calibration process was performed gradually from upstream flow monitor areas to downstream areas.

The model was considered calibrated if the simulated peak water depth, peak flow, and total flow volume satisfied the WaPUG criteria shown in **Table 5.3**.

6.4.1 SSOAP CALIBRATION

The approach used to characterize the WWF response is known as the unit hydrograph method. The unit hydrograph parameters (RTK) were generated for each flow monitor area. A total of 224 monitor-storms were analyzed, each representing one storm event at one of the 28 flow monitoring sites utilized for calibration. Although there were 53 flow monitoring sites (50 in 2011 and three from 2010) and eight events analyzed, reliable flow monitoring data or precipitation data was not available for all flow monitors for every storm event. The RTK parameters for each flow monitor for each event are summarized in Appendix H of this report.

6.4.2 SWMM CALIBRATION

Using the DWF calibrated model, the WWF calibration process started with the addition of the RTK values obtained from the RDII analysis for each calibration event using the SSOAP Toolbox. The RTK values were then adjusted to match the observed peak flow, total event volume, and peak flow timing. Lastly, Manning's n and sediment depth were adjusted to calibrate velocity and water level. The results of the calibration effort are discussed in detail in Section 6.5.

6.5 CALIBRATION AND VERIFICATION RESULTS

The WWF model was calibrated at 28 flow monitor locations for at least eight storm events:

- May 14, 2011
- May 25, 2011
- May 29, 2011
- June 7, 2011

- June 19, 2011
- July 19, 2011
- July 22, 2011
- July 23, 2011

Table 6.2 lists the flow monitor name, the manhole where the monitor was installed, and the conduit where the meter was installed, which had reliable data used in the model. The flow monitors listed in **Table 5.3** were used for model calibration. Other flow monitors did not record quality data and were not used for model calibration. **Figure 6.3** shows the flow monitor locations from **Table 6.2** and **Figure 6.4** shows the locations of the nine permitted CSOs.

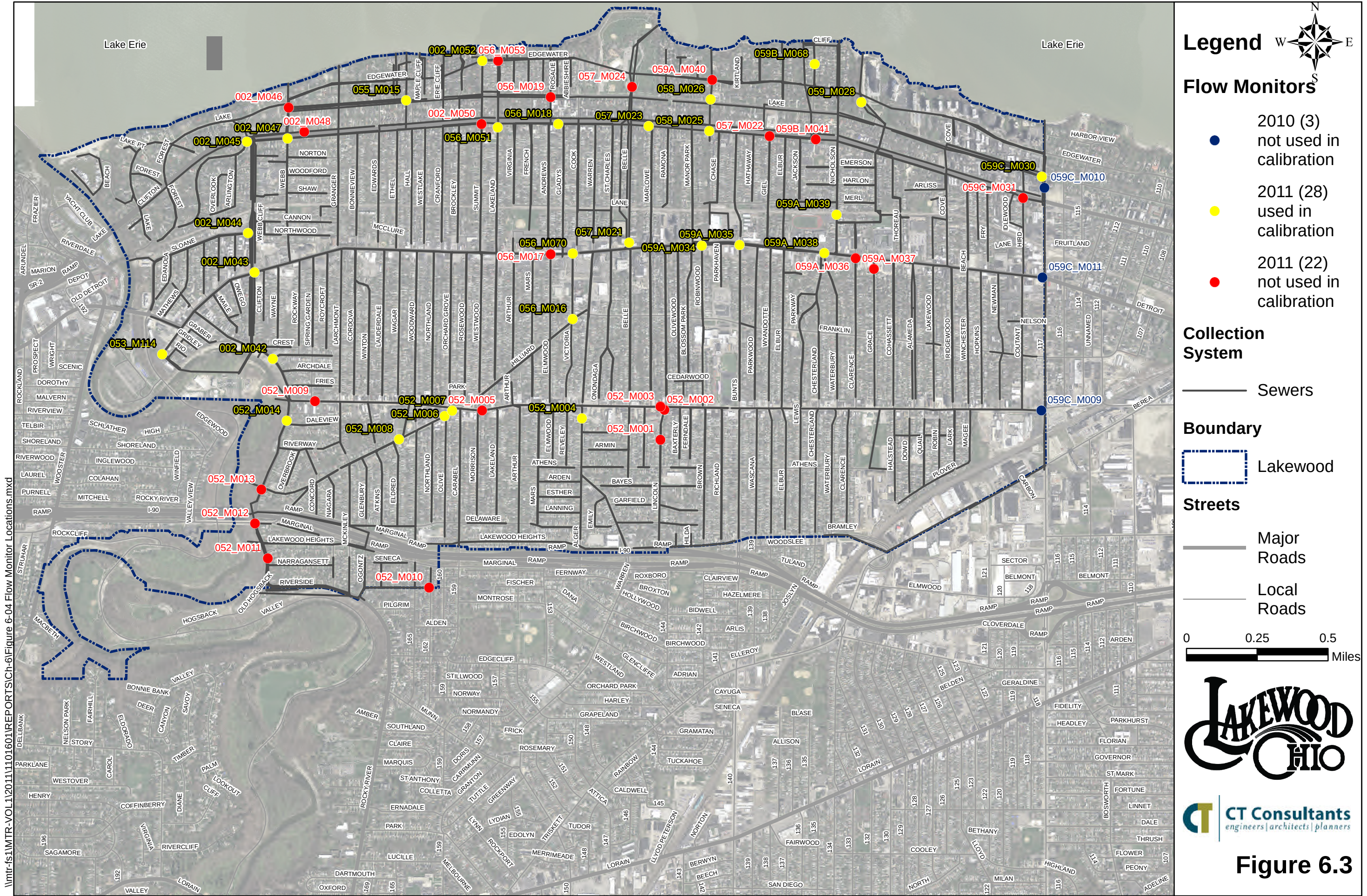
For each of the nine CSO areas, the model calibration is summarized by flow monitor using scatter plots of simulated versus observed peak depth, peak flow, and total flow volume. The calibration points located outside the range of “upper” and “lower” lines violate the WaPUG criteria and are classified into three groups of errors:

- Data error
- Missing data
- Modeled error

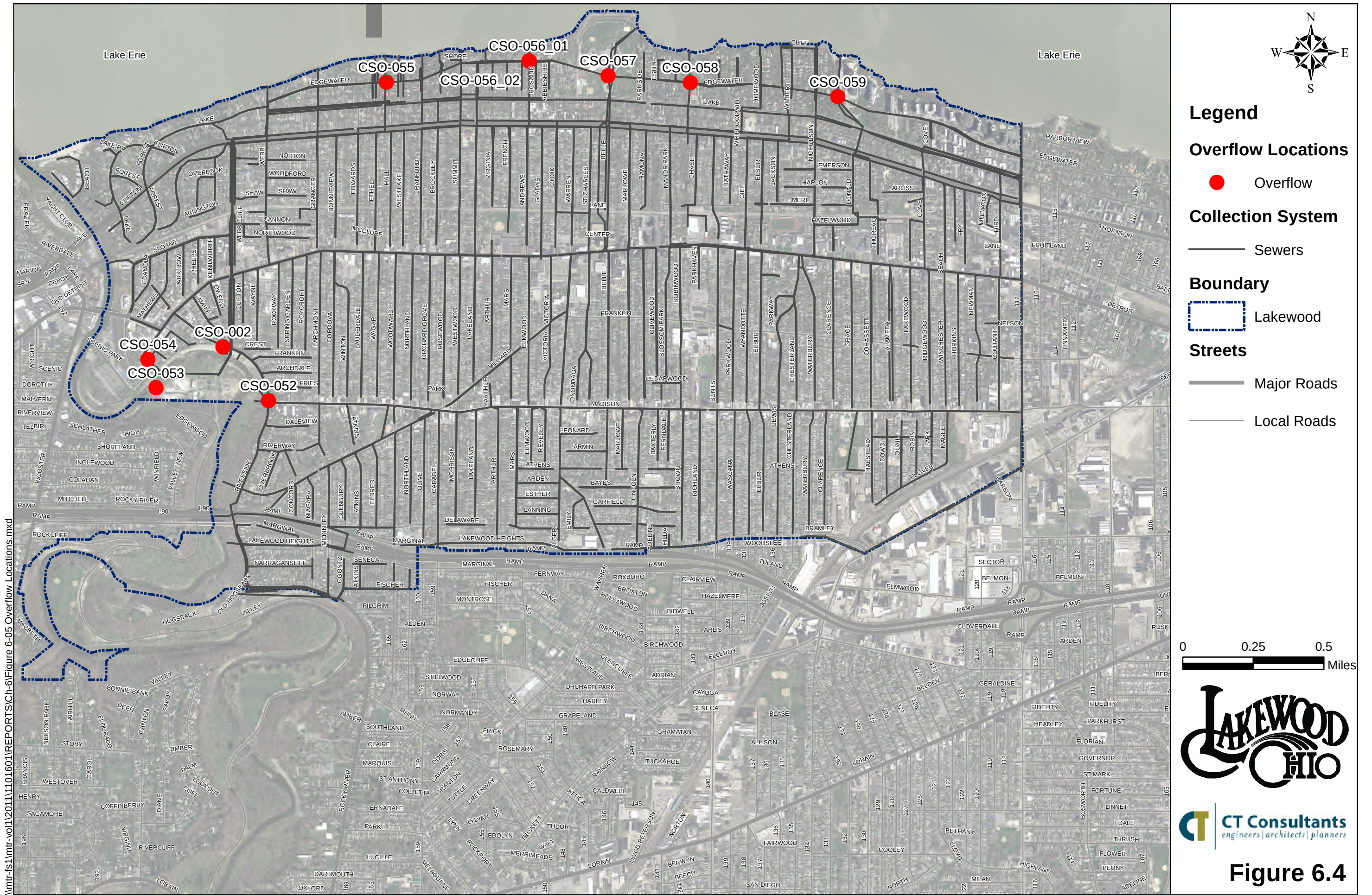
A data error may occur when the flow meter sensor has problem such as debris on the sensor, the sensor is shifted, etc. Missing data is defined as a partial or whole period of the storm event with no flow data or the flow data was assigned to a constant value. A modeled error is defined as the model over or under predicting the water level or flow during an individual calibration event, but well-calibrated for the other storm events.

Table 6.2: Flow Monitor Manholes and Conduits

Meter	Location	MH	Conduit
M044	Sloane Ave. At West Clifton Boulevard	002S091	002S089_002S091
M045	Clifton Road at Clifton Boulevard	002S117	002S4236_002S117
M043	Detroit Ave. at West Clifton Boulevard	002S024	002S026_002S024
M047	North side of Clifton Blvd. east of Webb Rd.	002S164	002S164_002C260
M052	Summit Ave. at Edgewater Drive	002S243	002S2173_002S243
M042	Riverside Drive south of Franklin Ave.	052SMeter002F	052S4403_052SMeter002F
M004	Warren Rd. south of Madison Ave.	052SMeter004	052S1103_052SMeter004
M006	Olive Ave. at Hilliard Road	052SMeter006	052S3419_052SMeter006
M007	Hilliard Road at Madison Avenue	052SMeter007	052S091_052SMeter007
M008	Hilliard Road east of Eldred Ave.	052SMeter008	052S075_052SMeter008
M014	Madison Ave. at Spring Garden Ave.	052SMeter014	052S036_052SMeter014
M114	Detroit Ave. at Scenic Street	053C007	053S3513_053C007
M015	Lake Ave. west of Hall Ave.	055C008	055C672_055C008
M016	Victoria Ave. north of Hilliard Road	056S058	056S058_056S313
M018	South side of Clifton Blvd. west of Gladys Ave.	056S021	056S023_056S021
M051	Lakeland Ave. south of Clifton Blvd.	056C2139	056S2138_056S2139
M070	Victoria Ave. south of Detroit Ave.	056S055	056S055_056S052
M021	Belle Ave. north of Detroit Ave.	057C441	057C049_057C441
M023	South side of Clifton Blvd. west of Marlowe Ave.	057C013	057C013_057C011
M025	South side of Clifton Blvd. west of Chase Ave.	057S028	057S029_057S028
M026	North side of Lake Ave.	058C003	058C004_058C003
M028	At Gold Coast Lane south of Interceptor	059S002	059S003_059S002
M034	Robinwood Ave. at Detroit Ave.	059AC036	059AC1017_059AC036
M035	Detroit Ave. at Bunts Road	059AS043	059AS042_059AS043
M038	Lewis Drive at Detroit Ave.	059AS055	059AS054_059AS055
M039	Nicholson Ave. north of Hazelwood Ave.	059AS882	059AS884_059AS882
M068	Wilbert Road south of Cliff Drive	059BS752	059BS012A_059BS752
M030	Lake Ave. At W. 117 th Street	059C0021	059C0020_059C0021



\\mtr-fs1\mtr-vol11\101601\REPORTS\Ch-6\Figure 6-05 Overflow Locations.mxd



6.5.1 CSO-002

Overflow CSO-002 is located just upstream of the head-works of the WWTP. When WWF exceeds the plant capacity, CSO-002 is utilized as a bypass. CSO-002 discharges to the WWTP outfall tunnel that discharges to Lake Erie. **Figure 6.5** is a detail of the influent head chamber just upstream of the WWTP headworks. The overflow is indicated on the figure. While the City has a permanent flow monitor installed to record the activation of CSO-002, a temporary flow meter was not installed at this location for the purposes of this project due to safety concerns for accessing and installing a meter on the City's interceptor sewer. At this location, the interceptor sewer is approximately 70 feet beneath the street surface. Data from the CSO-002 meter was used to calibrate CSO activations, but due to limitations with the available data, the data could not be used to calibrate to particular precipitation events.

OVERFLOW LOCATIONS
CSO 002 AT INFLUENT HEAD CHAMBER

UPSTREAM OVERFLOW LOCATIONS
TO STORM SEWER

W. CLIFTON/CANNON (002)
W. CLIFTON SOUTH OF RR (002)
W. CLIFTON NORTH OF RR (002/002A)
W. CLIFTON/CLIFTON-3 LOCATIONS (002/002B)
W. CLIFTON/ARLINGTON (002)
DETROIT/CLIFTON PLACE (002D)
DETROIT/ROCKWAY (002D)
DETROIT/LARCHMONT (002)
DETROIT/WAGAR (002D)

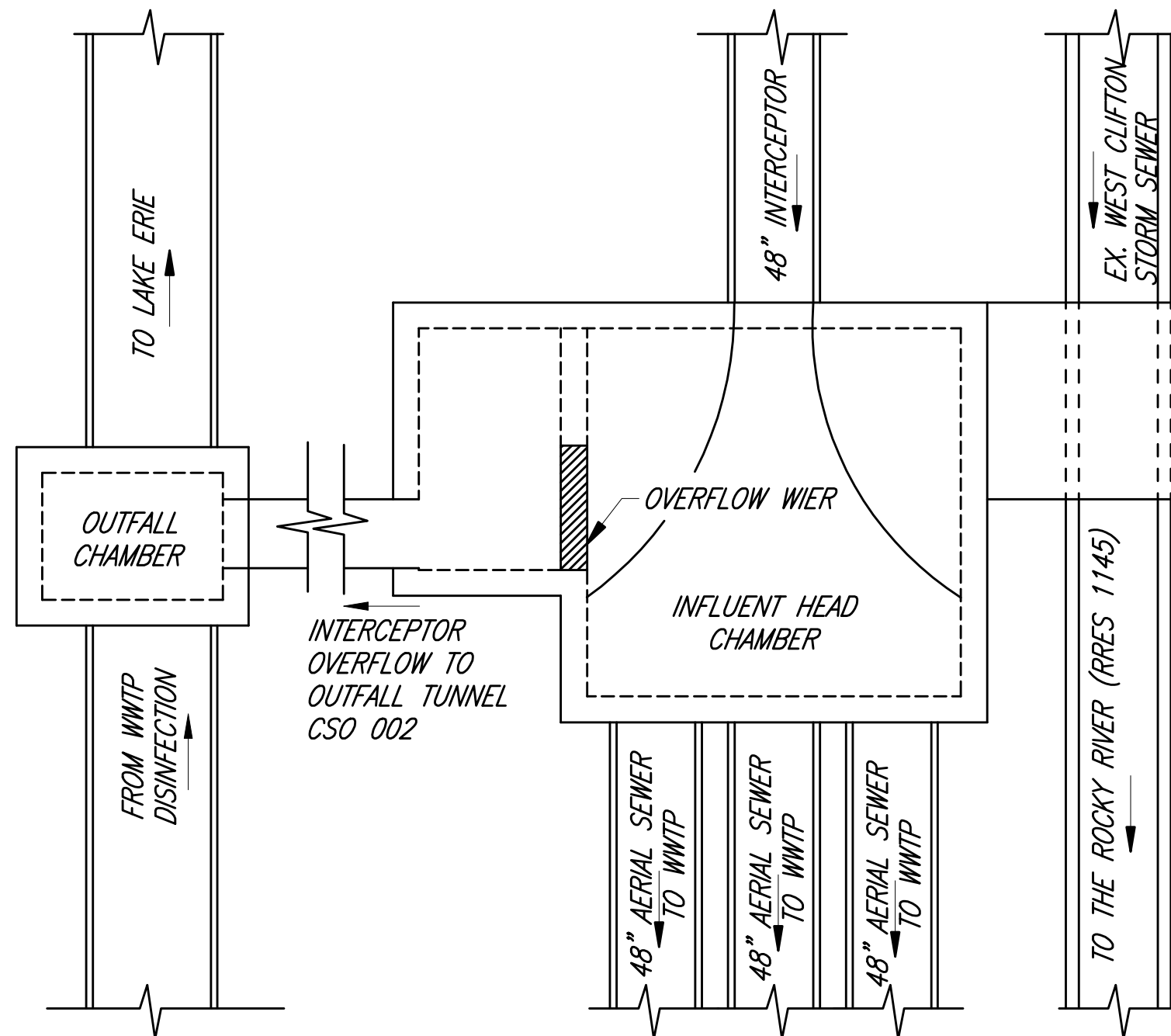


FIGURE 6.5
CSO 002 AT INFLUENT
HEAD CHAMBER

6.5.2 CSO-002A

Sanitary sewer flow from the CSO-002A area was monitored at Sloane and West Clifton. The flow heads north to the interceptor on West Clifton near the railroad tracks. An overflow to the storm sewer is located where the sanitary sewer connects to the interceptor. This storm sewer discharges to the Rocky River.

Figure 6.6 shows the WWF depth calibration plot for flow monitor M044.

Figure 6.7 shows the WWF flow calibration plot for M044 and **Figure 6.8** shows the WWF total volume calibration plot for M044.

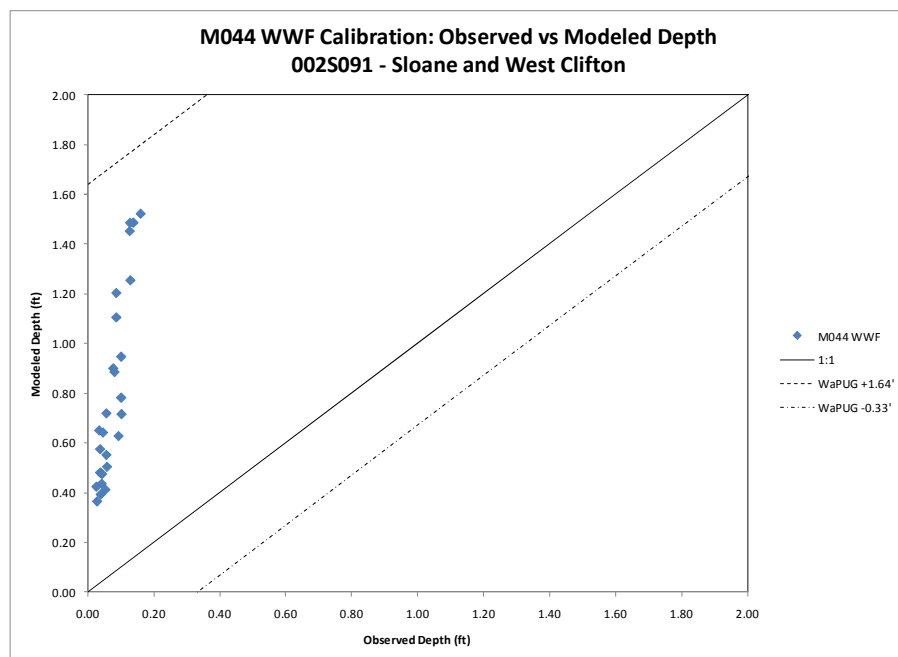
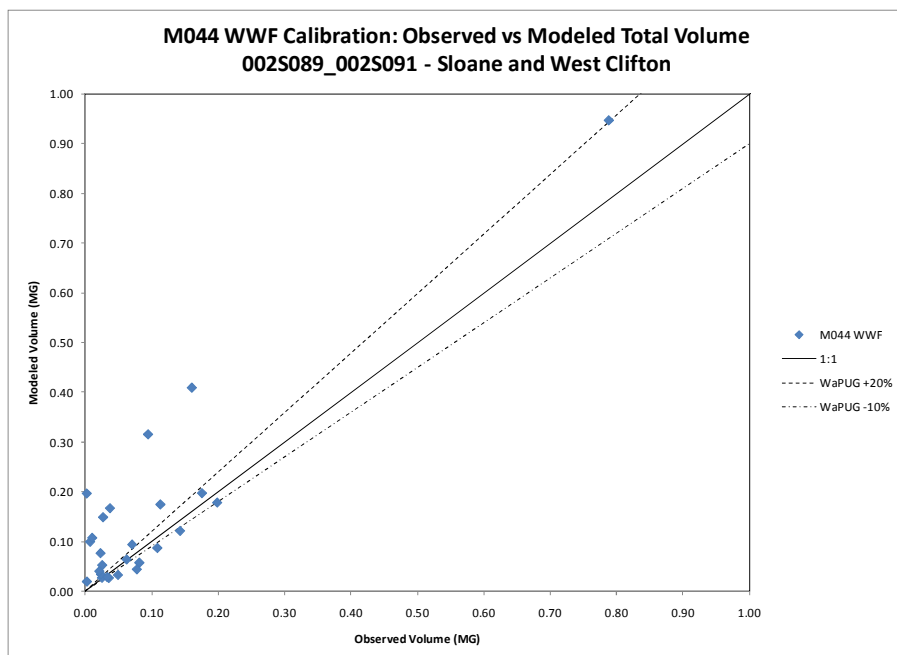
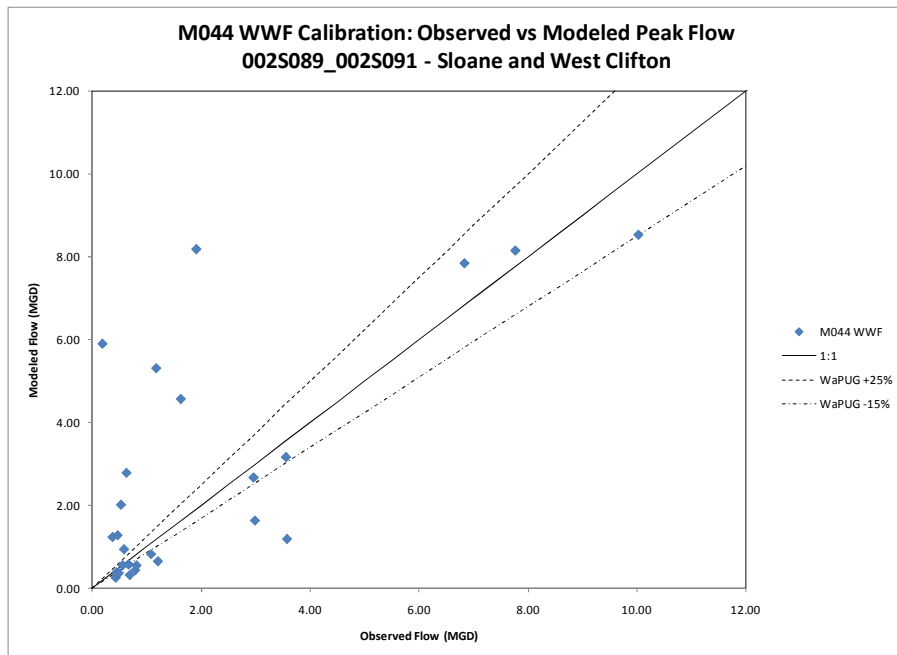


Figure 6.6: M044 WWF Depth Calibration Plot



6.5.3 CSO-002B

Sanitary sewer flow from the CSO-002B area was monitored at the southwest corner of Clifton and West Clifton. An overflow to the storm sewer is located just south of where the sanitary sewer connects to the interceptor. This storm sewer discharges to the Rocky River. **Figure 6.9** shows the WWF depth calibration plot for flow monitor M045. **Figure 6.10** shows the WWF flow calibration plot for M045 and **Figure 6.11** shows the WWF total volume calibration plot for M045.

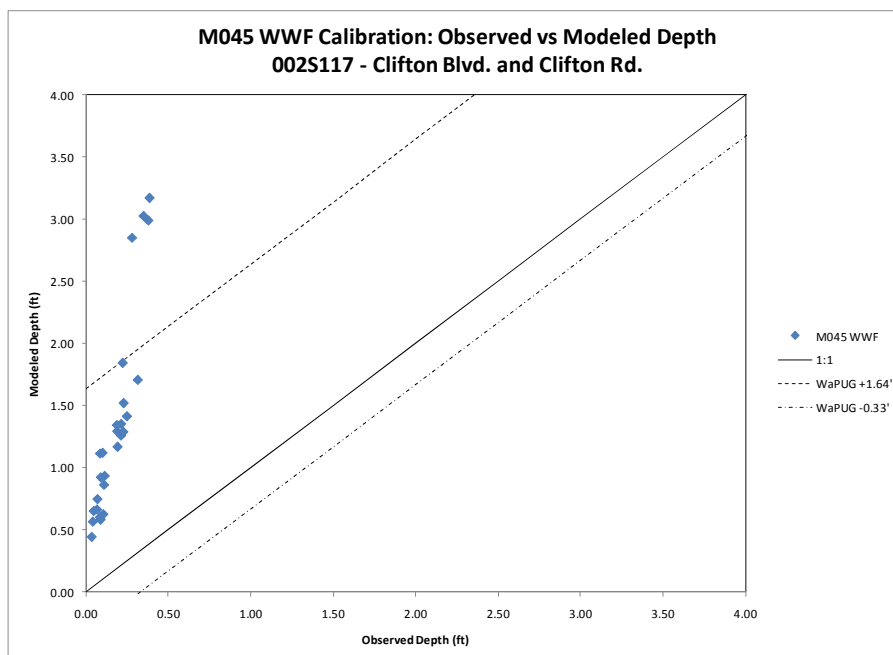


Figure 6.9: M045 WWF Depth Calibration Plot

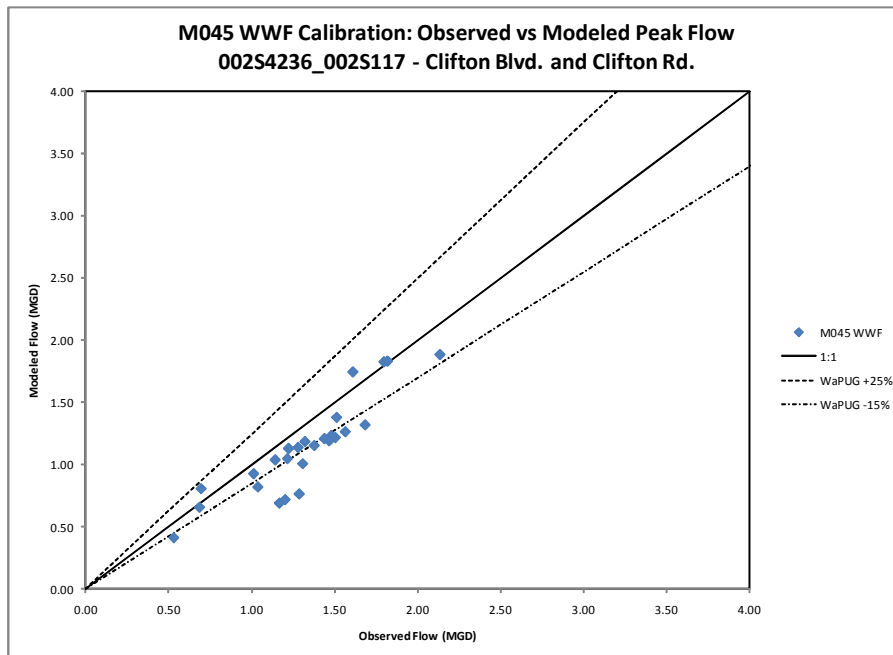


Figure 6.10: M045 WWF Flow Calibration Plot

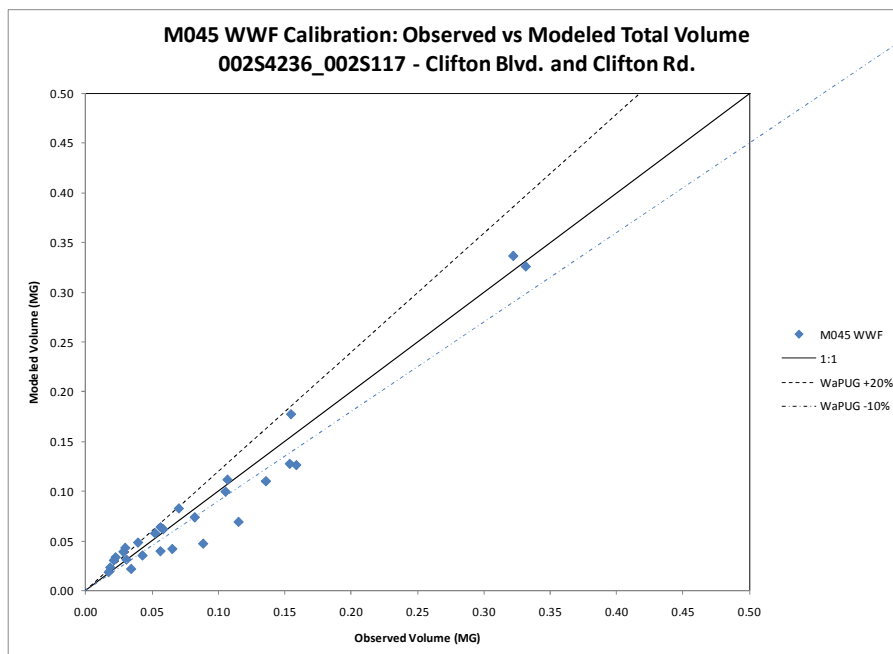


Figure 6.11: M045 WWF Volume Calibration Plot

6.5.4 CSO-002C

Sanitary sewer flow from the CSO-002C area was monitored at Detroit and West Clifton. Several overflows exist throughout the CSO-002C area. These overflows discharge to the storm sewer on West Clifton which discharges to the Rocky

River. **Figure 6.12** shows the WWF depth calibration plot for flow monitor M043. **Figure 6.13** shows the WWF flow calibration plot for M043 and **Figure 6.14** shows the WWF total volume calibration plot for M043.

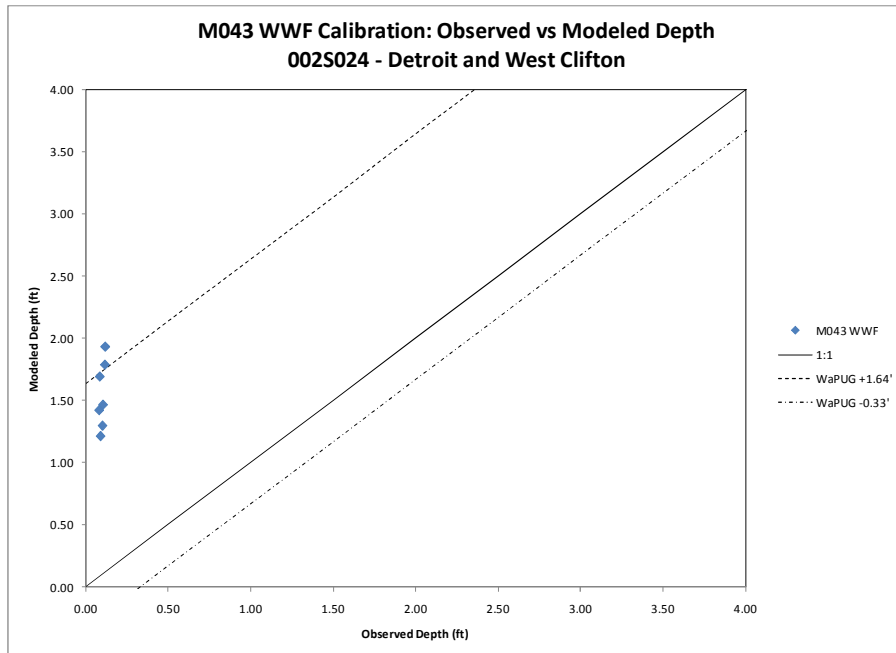


Figure 6.12: M043 WWF Depth Calibration Plot

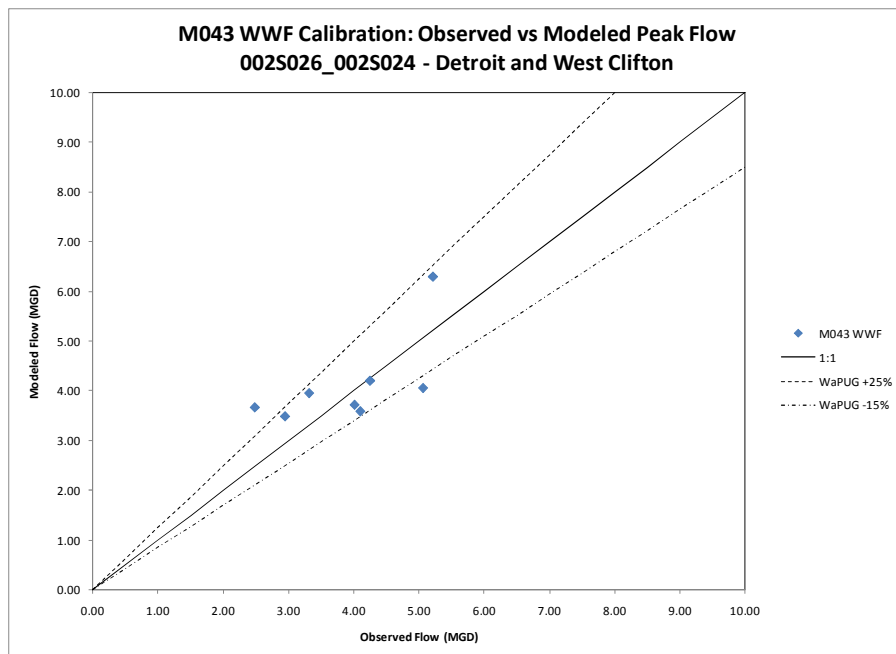


Figure 6.13: M043 WWF Flow Calibration Plot

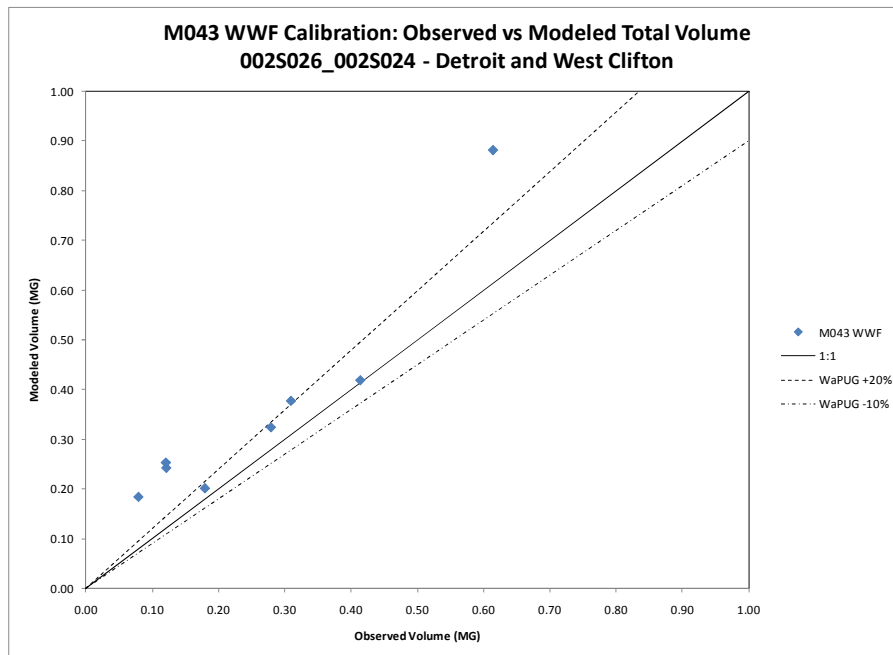


Figure 6.14: M043 WWF Volume Calibration Plot

6.5.5 CSO-002D

Sanitary sewer flow from the CSO-002D area was monitored at southeast corner of the intersection of Webb and Clifton. Several overflows exist throughout the CSO-002D area. These overflows discharge to the storm sewer on Webb Road which discharges to Lake Erie. **Figure 6.15** shows the WWF depth calibration plot for flow monitor M047. **Figure 6.16** shows the WWF flow calibration plot for M047 and **Figure 6.17** shows the WWF total volume calibration plot for M047.

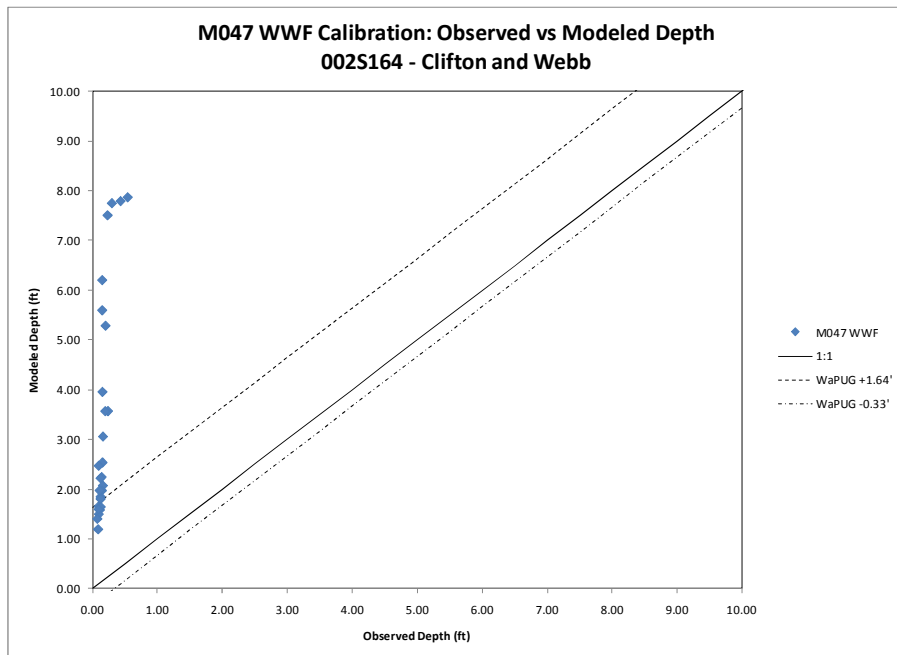


Figure 6.15: M047 WWF Depth Calibration Plot

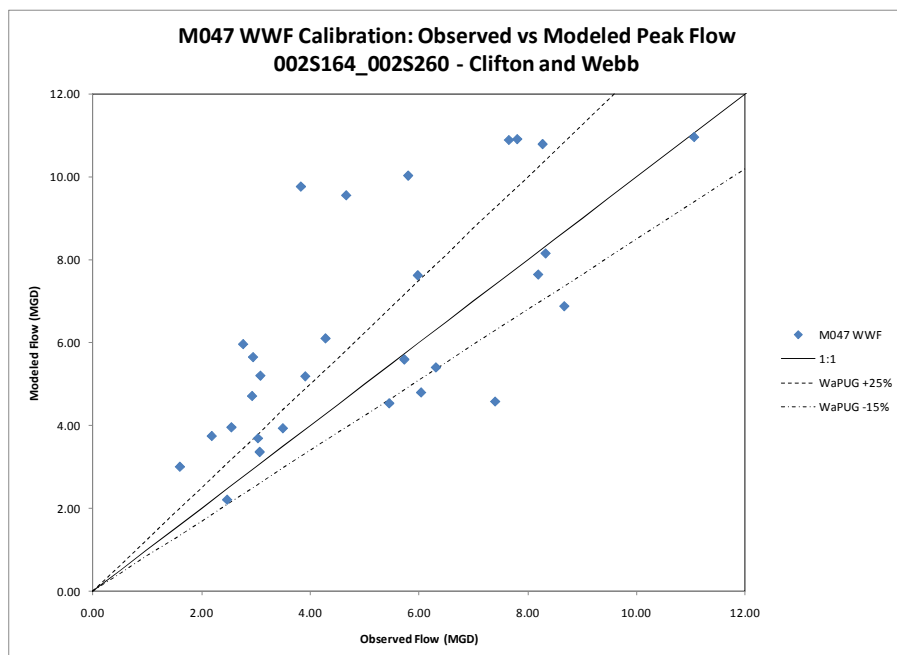


Figure 6.16: M047 WWF Flow Calibration Plot

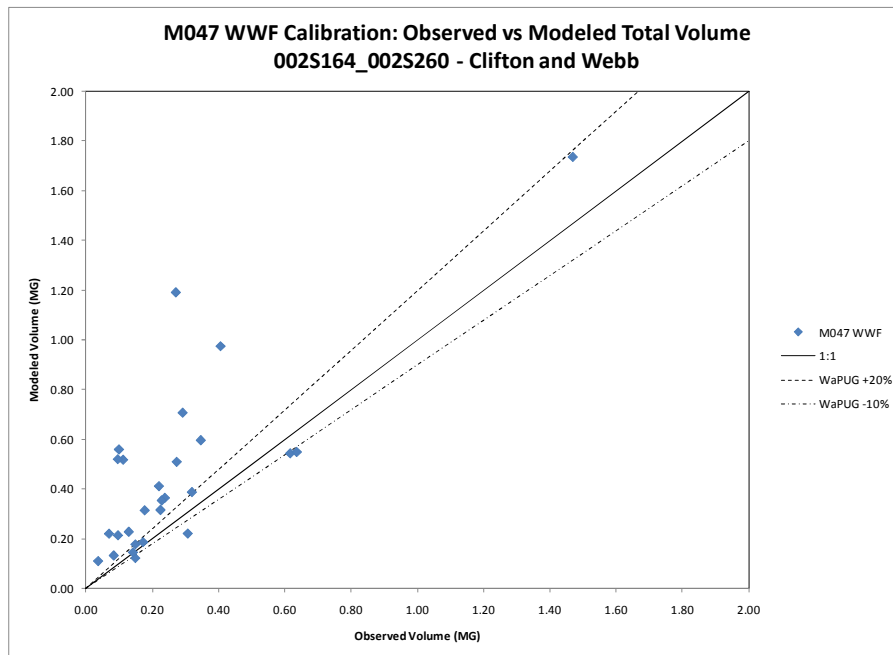


Figure 6.17: M047 WWF Volume Calibration Plot

6.5.6 CSO-002E

Overflow CSO-002E is located at Summit and Edgewater and discharges to Lake Erie. **Figure 6.18** shows the WWF depth calibration plot for flow monitor M052. **Figure 6.19** shows the WWF flow calibration plot for M052 and **Figure 6.20** shows the WWF total volume calibration plot for M052.

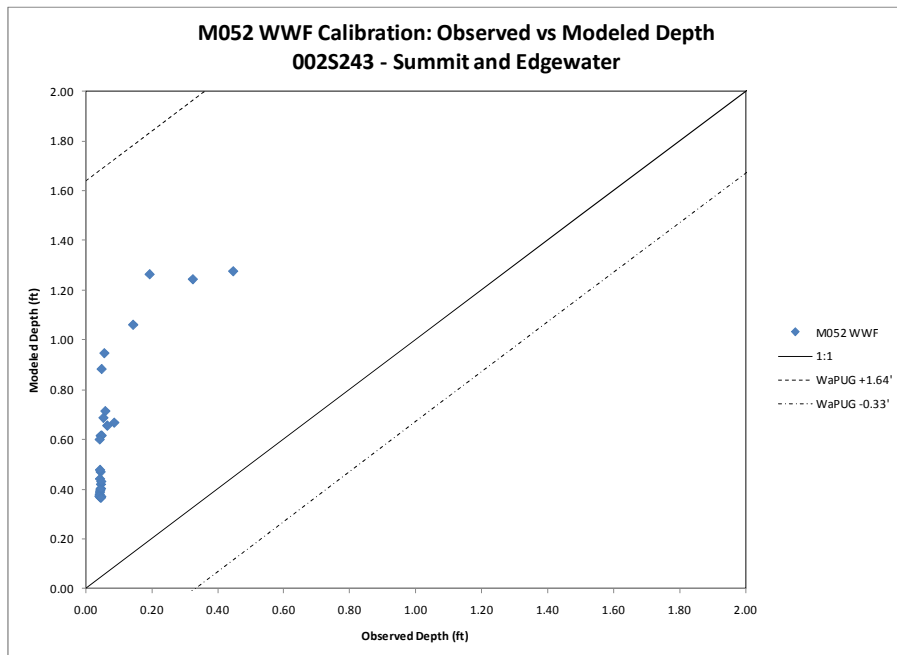


Figure 6.18: M052 WWF Depth Calibration Plot

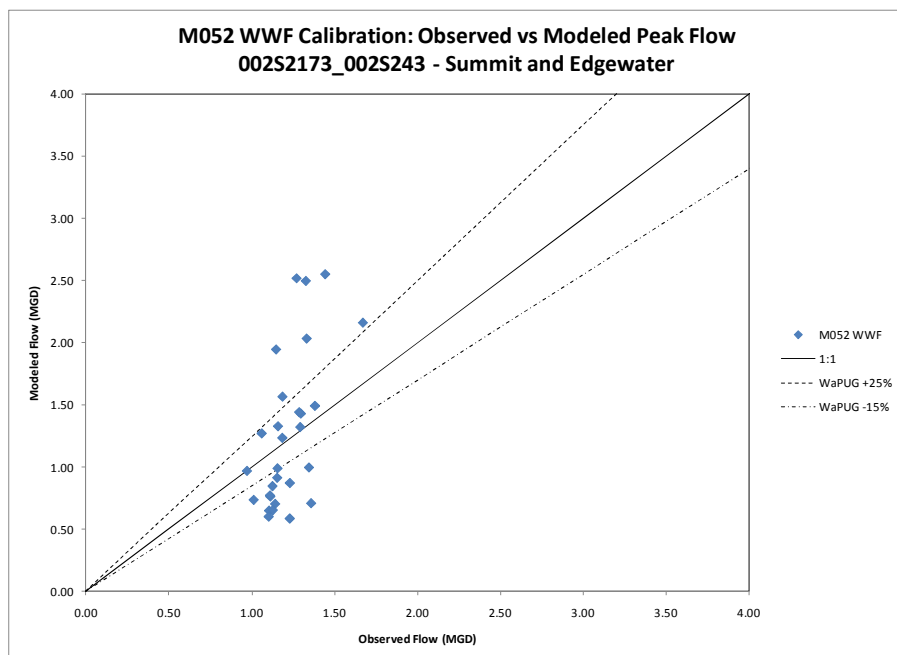


Figure 6.19: M052 WWF Flow Calibration Plot

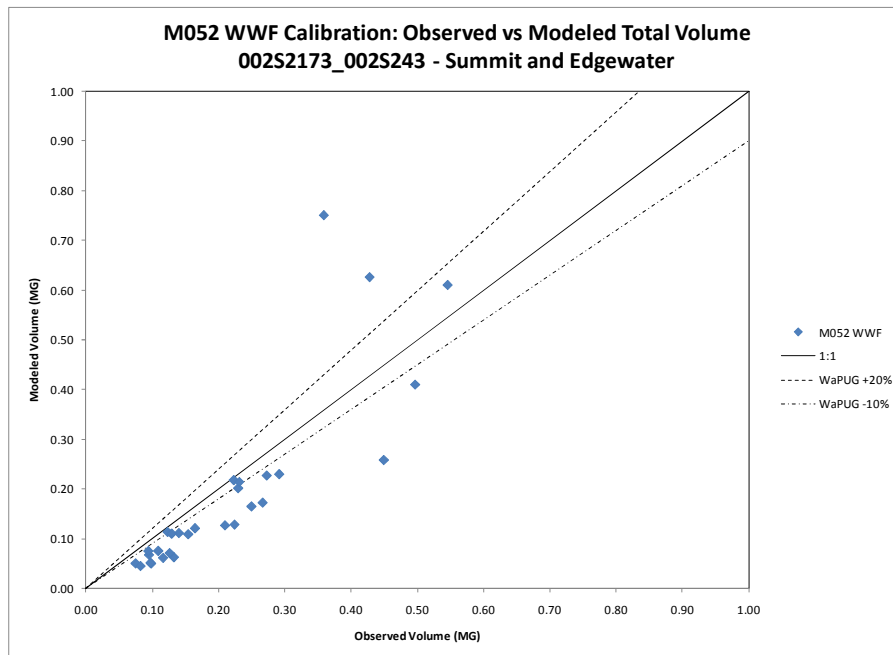


Figure 6.20: M052 WWF Volume Calibration Plot

6.5.7 CSO-002F

Sanitary sewer flow from the CSO-002F area was monitored on Riverside between Crest and Franklin and contribute to the flow at the CSO 002 overflow which discharges to Lake Erie via the WWTP outfall tunnel. **Figure 6.21** shows the WWF depth calibration plot for flow monitor M042. **Figure 6.22** shows the WWF flow calibration plot for M042 and **Figure 6.23** shows the WWF total volume calibration plot for M042.

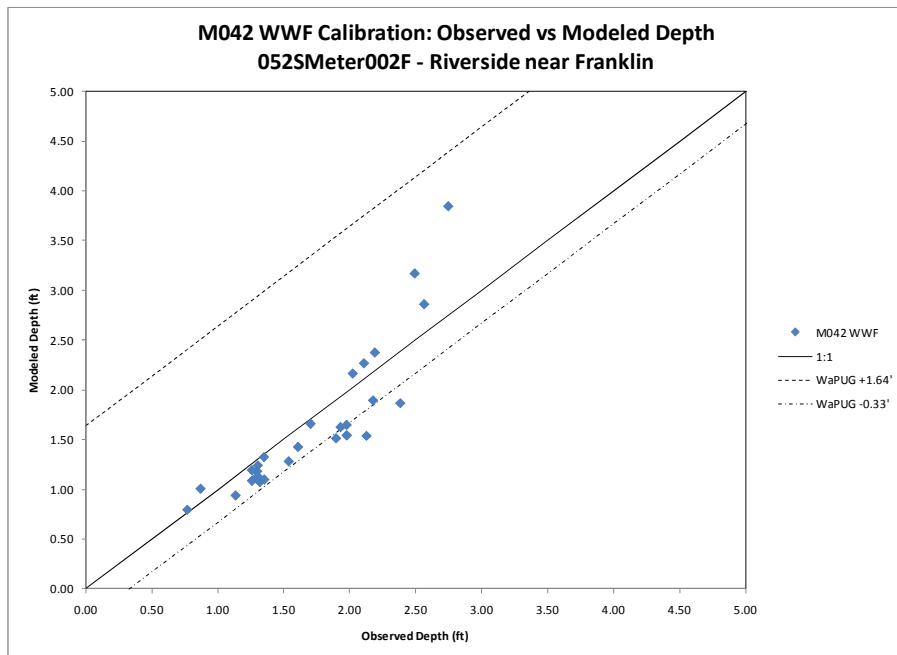


Figure 6.21: M042 WWF Depth Calibration Plot

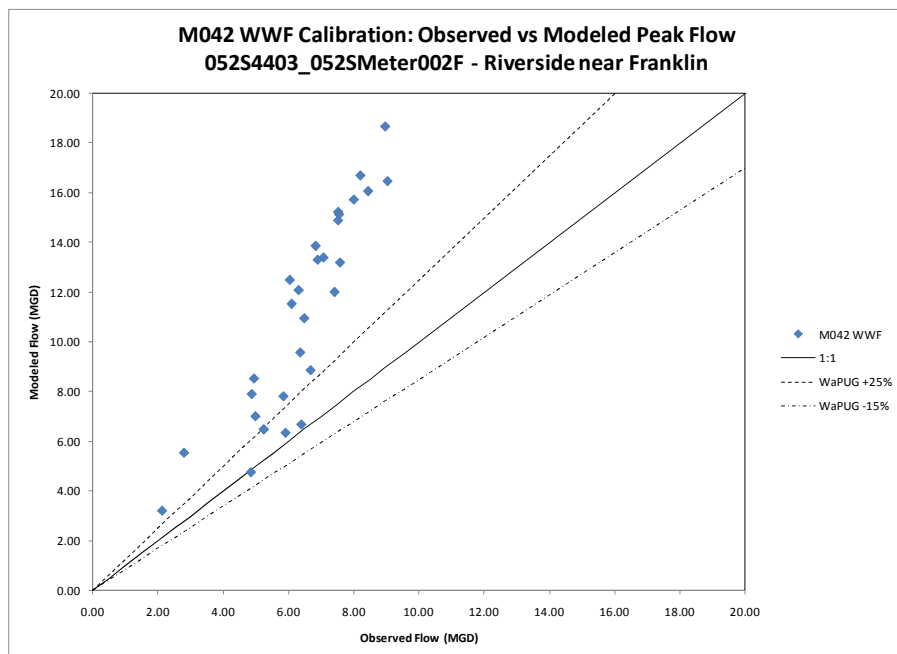


Figure 6.22: M042 WWF Flow Calibration Plot

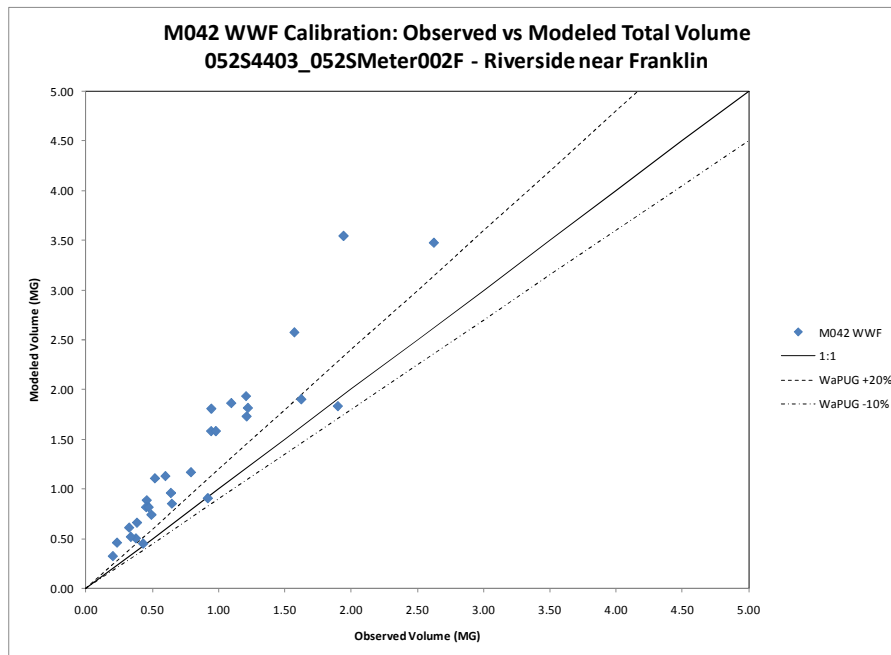


Figure 6.23: M042 WWF Volume Calibration Plot

6.5.8 CSO-052

Overflow CSO-052 is located at the west end of Madison at the intersection of Madison and Riverside. The reported overflows are currently being monitored on a stormwater pipe upstream of the actual overflow structure. It is expected that CSO-052 does not activate as often or discharge as much sanitary sewage volume as is being reported. Since the monitor is on the storm sewer side of the overflow, CSO activation is being reported when the storm sewer starts to flow, not when the sewer overflows the CSO structure. CSO-052 discharges to the Rocky River. **Figure 6.24** shows the WWF depth calibration plot for flow monitors M004, M006, M007, M008, and M014. **Figure 6.25** shows the WWF flow calibration plot for M004, M006, M007, M008, and M014 and **Figure 6.26** shows the WWF total volume calibration plot for M004, M006, M007, M008, and M014.

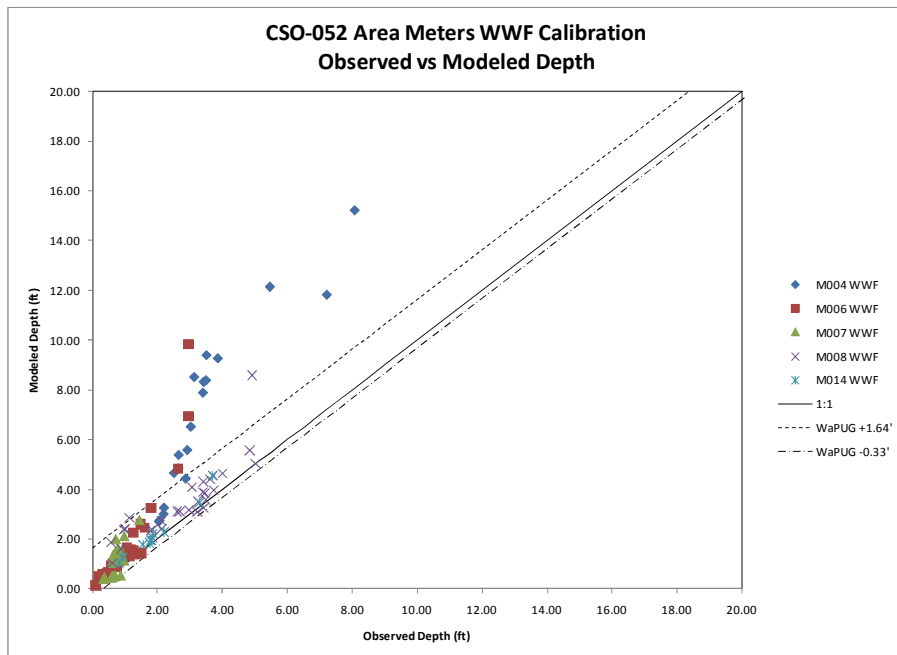


Figure 6.24: M004, M006, M007, M008, and M014 WWF Depth Calibration Plot

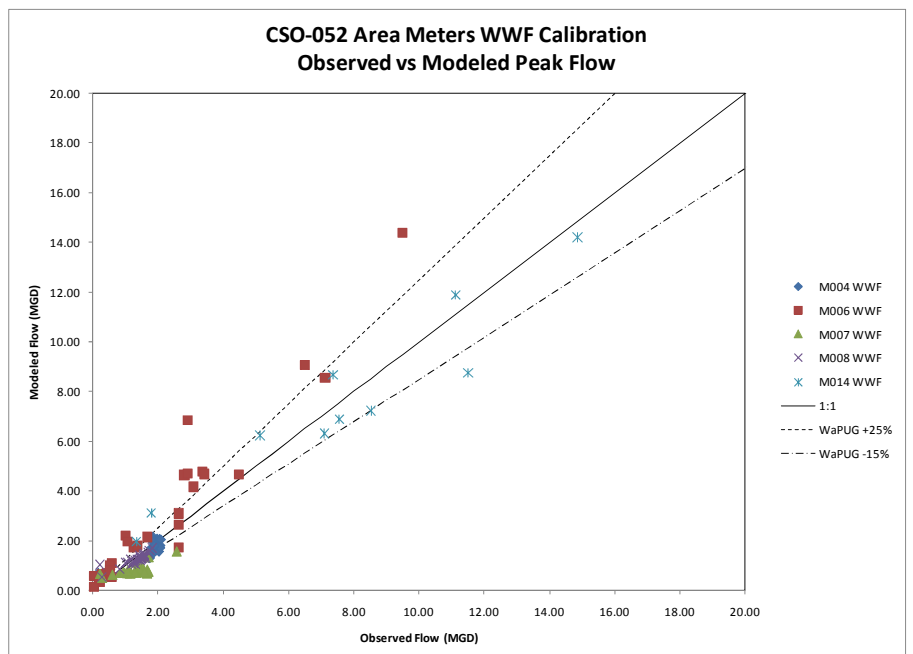


Figure 6.25: M004, M006, M007, M008, and M014 WWF Flow Calibration Plot

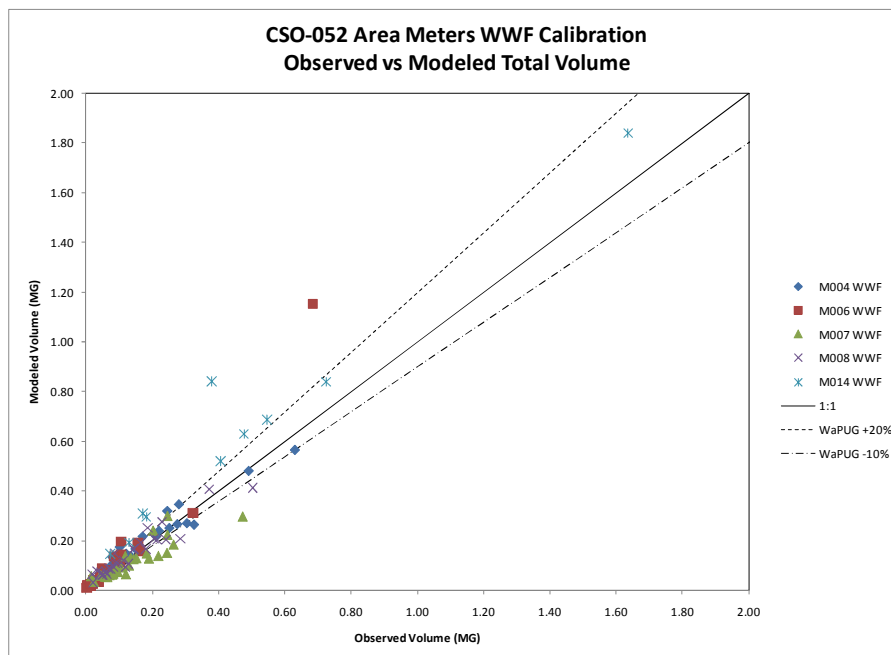


Figure 6.26: M004, M006, M007, M008, and M014 WWF Volume Calibration Plot

6.5.9 CSO-053/054

Overflow CSO-053 is located at the western edge of the WWTP on Valley Parkway. CSO-054 is located on Detroit Avenue Extension. Both discharge to the Rocky River. Part of the tributary area for CSO-053 is monitored by flow monitor M114 at Detroit and Scenic. The accuracy of the CSO-053 overflow is influenced by the flow from residences in the City of Rocky River that are serviced by the Lakewood WWTP. This flow was not modeled. **Figure 6.27** shows the WWF depth calibration plot for flow monitor M114. **Figure 6.28** shows the WWF flow calibration plot for M114 and **Figure 6.29** shows the WWF total volume calibration plot for M114.

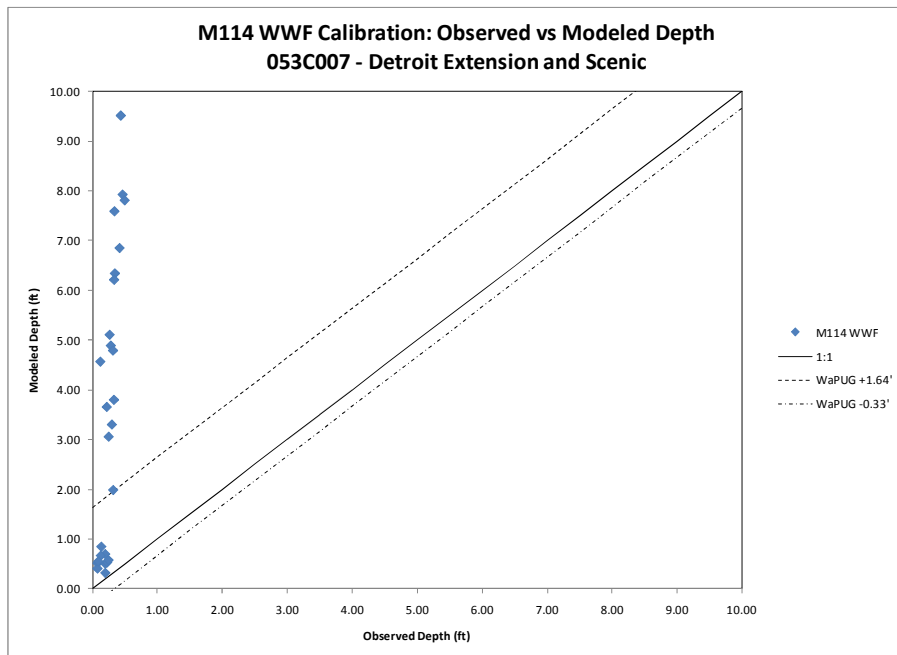


Figure 6.27: M114 WWF Depth Calibration Plot

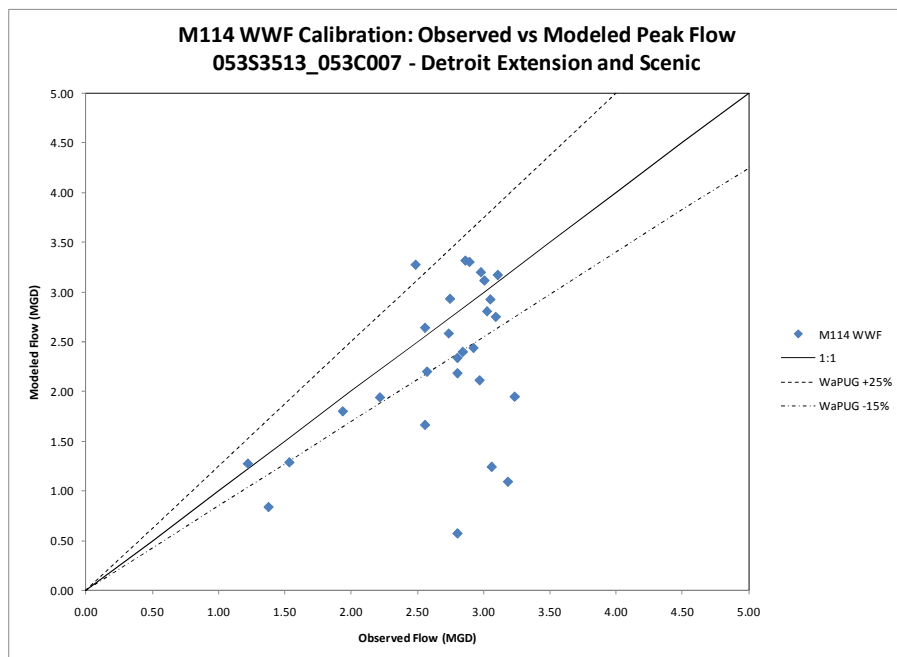


Figure 6.28: M114 WWF Flow Calibration Plot

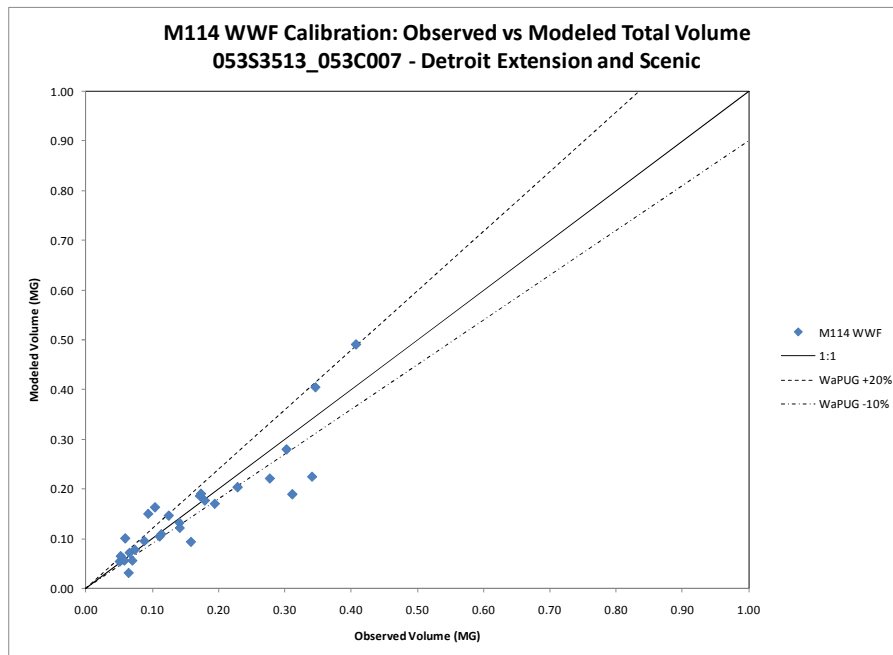


Figure 6.29: M114 WWF Volume Calibration Plot

6.5.10 CSO-055

Overflow CSO-055 is located at the intersection of Edgewater and Kenneth. CSO-055 discharges to Lake Erie. **Figure 6.30** shows the WWF depth calibration plot for flow monitor M015. **Figure 6.31** shows the WWF flow calibration plot for M015 and **Figure 6.32** shows the WWF total volume calibration plot for M015.

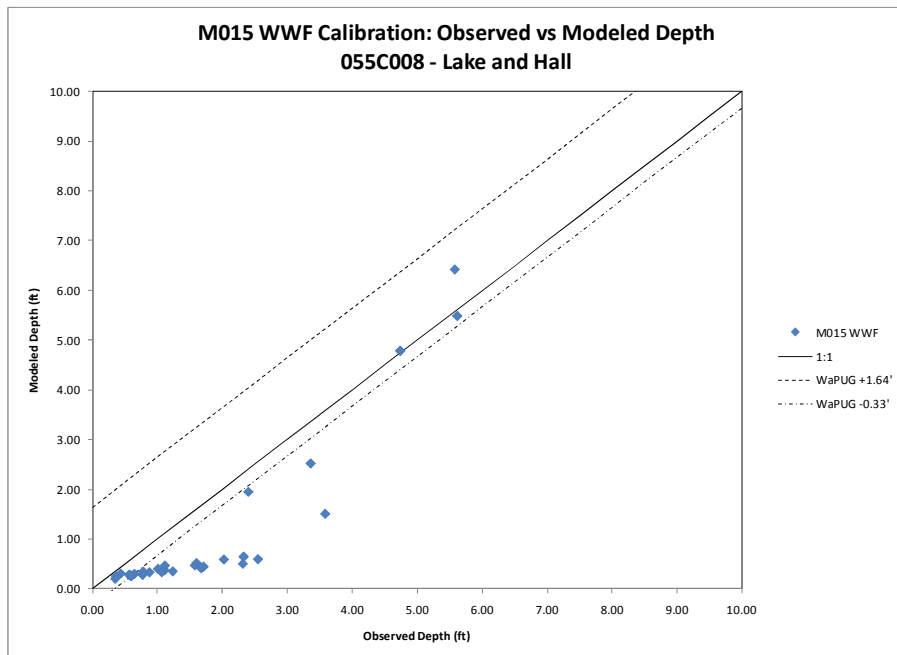


Figure 6.30: M015 WWF Depth Calibration Plot

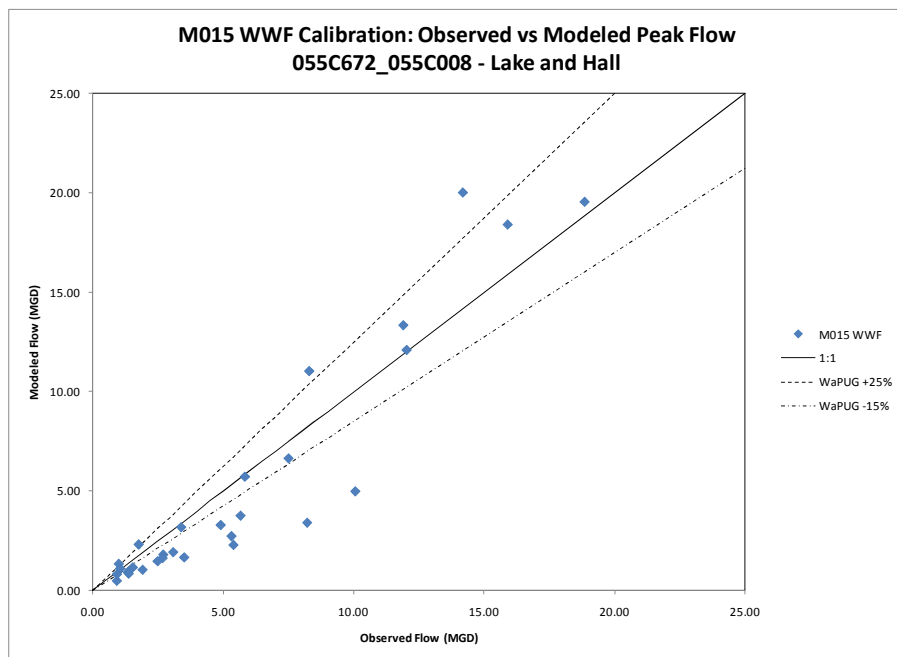


Figure 6.31: M015 WWF Flow Calibration Plot

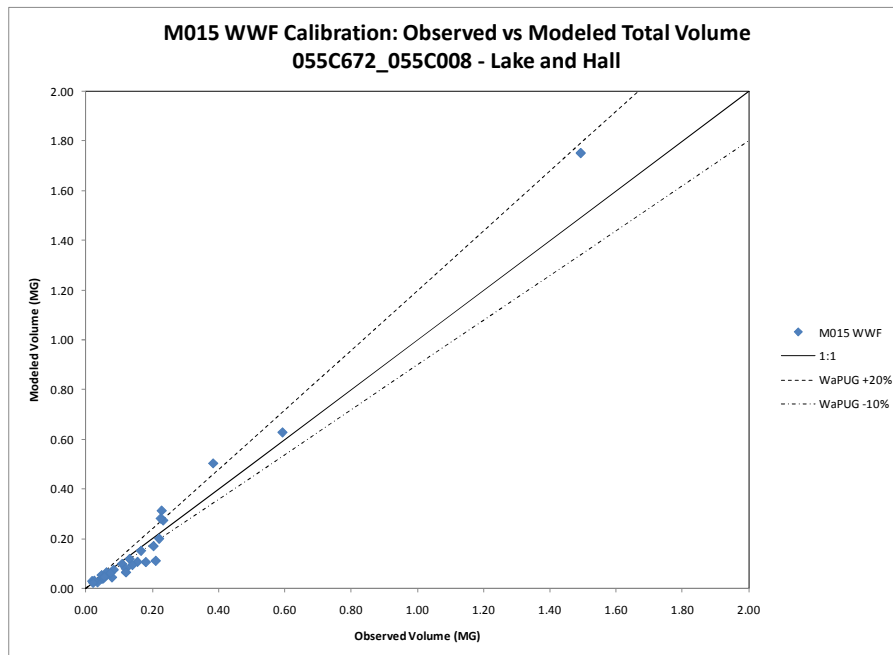


Figure 6.32: M015 WWF Volume Calibration Plot

6.5.11 CSO-056

Overflow CSO-056 is located at the intersection of Rosalie and Edgewater. The overflow is actually two separate pipes; however, they are monitored together and reported as a single overflow. It is expected that CSO-056 does not activate as often or discharge as much sanitary sewage volume as being reported. This is because the overflow is also the storm sewer discharge for all of the CSO-056 area meaning that it will activate during rain events that may not cause an overflow upstream. CSO-056 discharges to Lake Erie. **Figure 6.33** shows the WWF depth calibration plot for flow monitors M016, M018, M051, and M070. **Figure 6.34** shows the WWF flow calibration plot for M016, M018, M051, and M070 and **Figure 6.35** shows the WWF total volume calibration plot for M016, M018, M051, and M070.

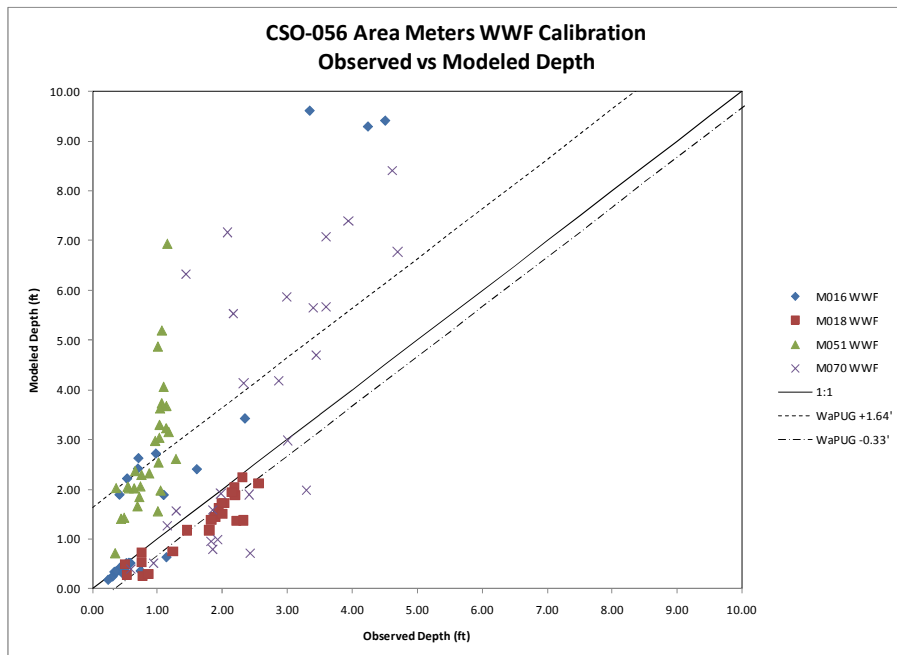


Figure 6.33: M016, M018, M051, and M070 WWF Depth Calibration Plot

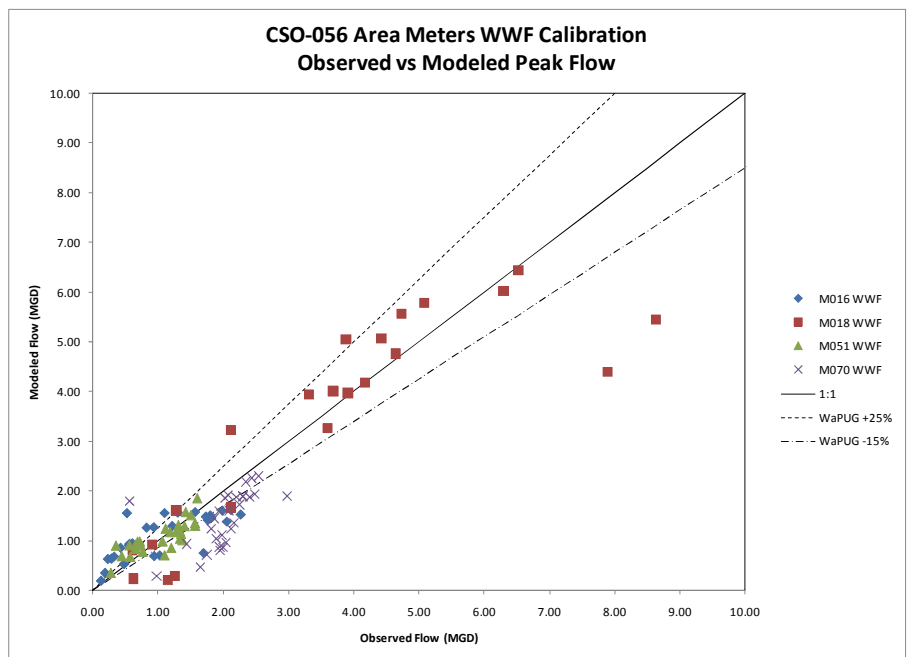


Figure 6.34: M016, M018, M051, and M070 WWF Flow Calibration Plot

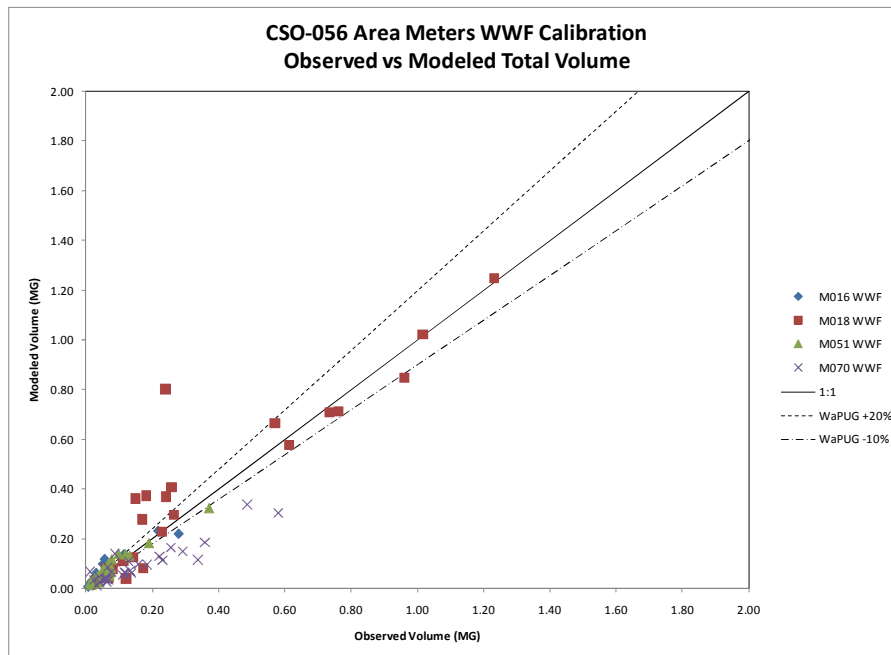


Figure 6.35: M016, M018, M051, and M070 WWF Volume Calibration Plot

6.5.12 CSO-057

Overflow CSO-057 is located in Lakewood Park and discharges to Lake Erie.

Figure 6.36 shows the WWF depth calibration plot for flow monitors M021 and M023. **Figure 6.37** shows the WWF flow calibration plot for M021 and M023 and **Figure 6.38** shows the WWF total volume calibration plot for M021 and M023.

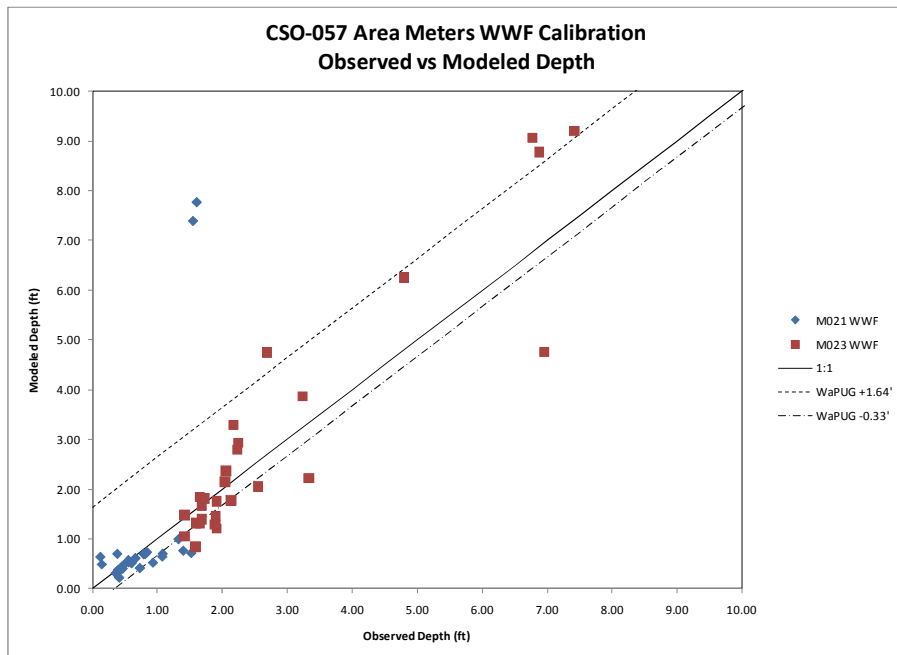


Figure 6.36: M021 and M023 WWF Depth Calibration Plot

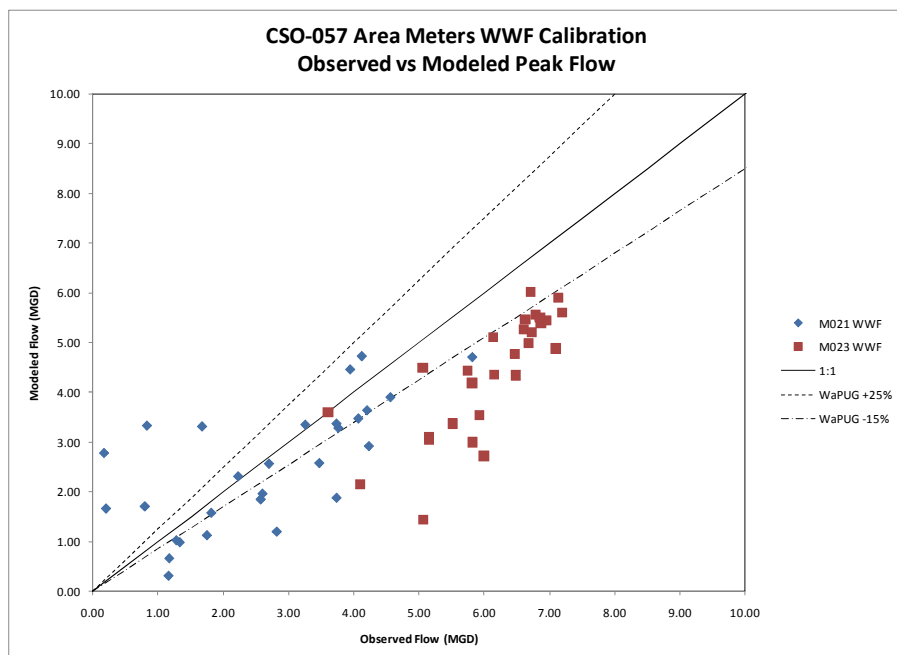


Figure 6.37: M021 and M023 WWF Flow Calibration Plot

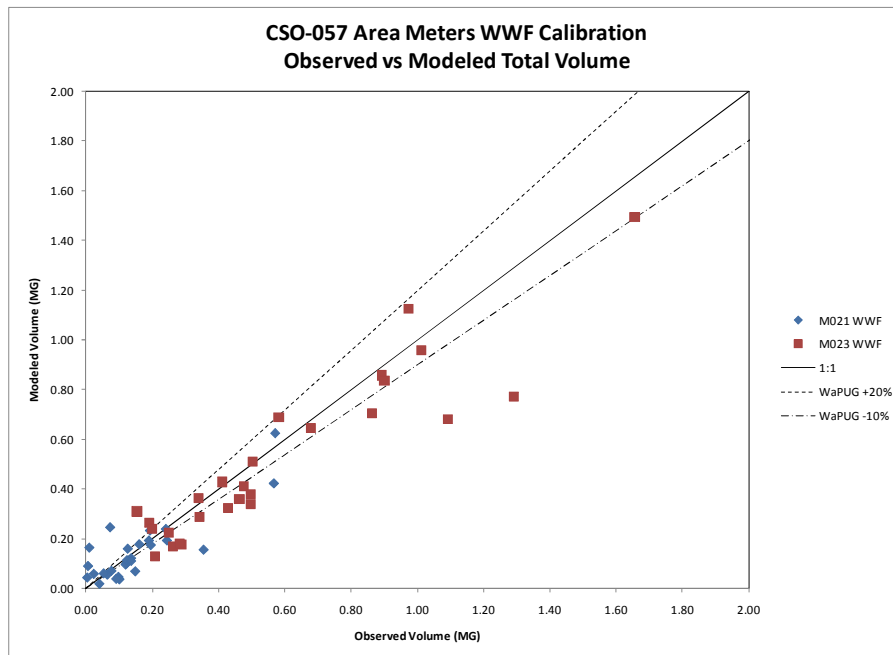


Figure 6.38: M021 and M023 WWF Volume Calibration Plot

6.5.13 CSO-058

Overflow CSO-058 is located in Edgewater between Roy and Kirtland. CSO-058 discharges to Lake Erie. **Figure 6.39** shows the WWF depth calibration plot for flow monitors M025 and M026. **Figure 6.40** shows the WWF flow calibration plot for M025 and M026 and **Figure 6.41** shows the WWF total volume calibration plot for M025 and M026.

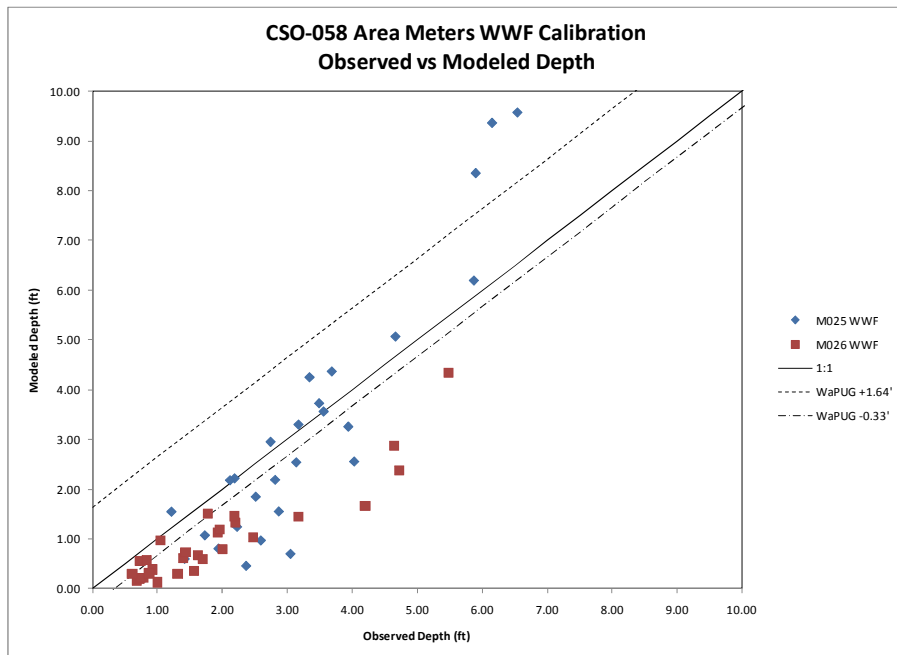


Figure 6.39: M025 and M026 WWF Depth Calibration Plot

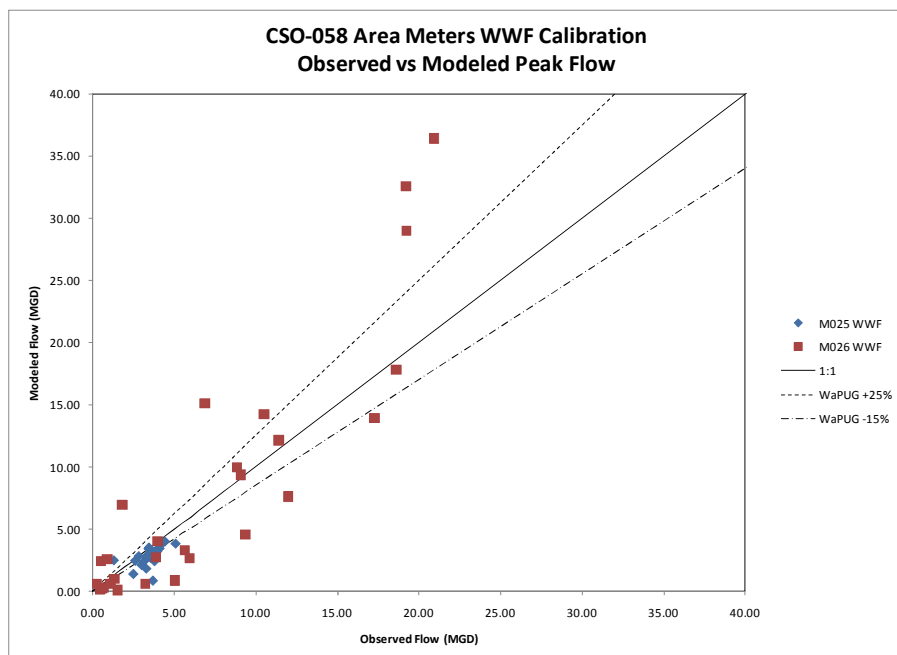


Figure 6.40: M025 and M026 WWF Flow Calibration Plot

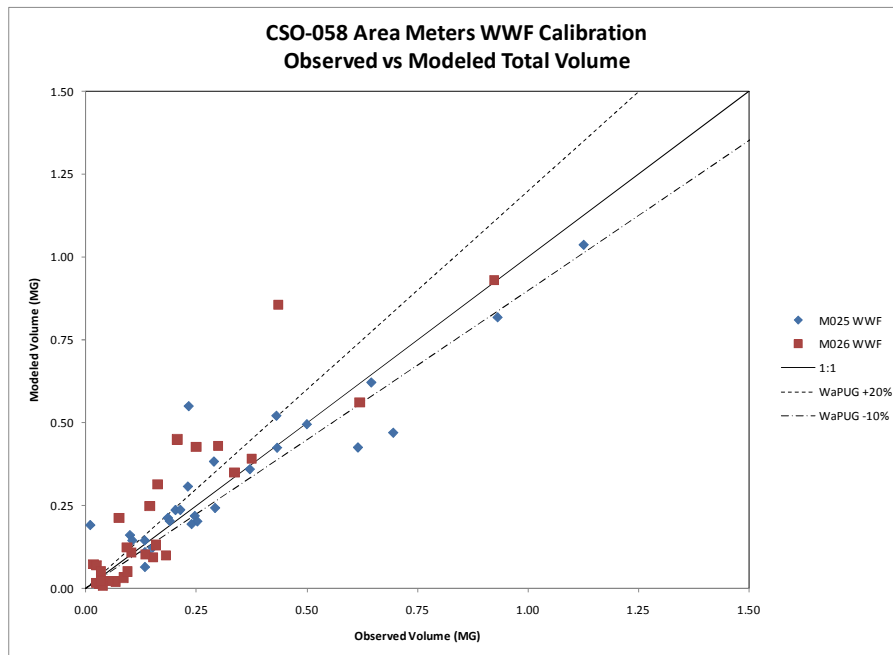


Figure 6.41: M025 and M026 WWF Volume Calibration Plot

6.5.14 CSO-059

Overflow CSO-059 is located in Gold Coast and discharges to Lake Erie. **Figure 6.42** shows the WWF depth calibration plot for flow monitor M028. **Figure 6.43** shows the WWF flow calibration plot for M028 and **Figure 6.44** shows the WWF total volume calibration plot for M028.

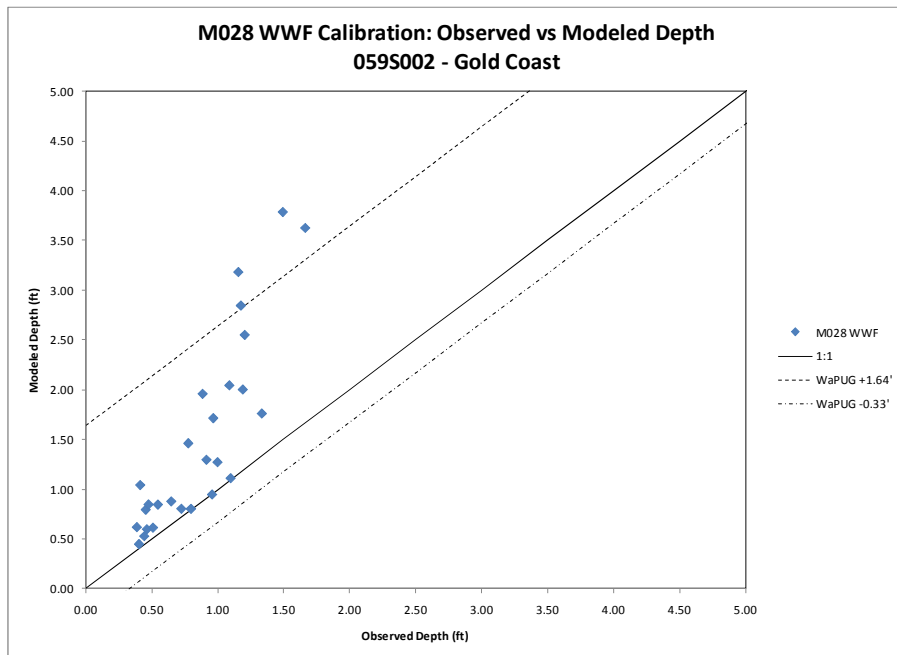


Figure 6.42: M028 WWF Depth Calibration Plot

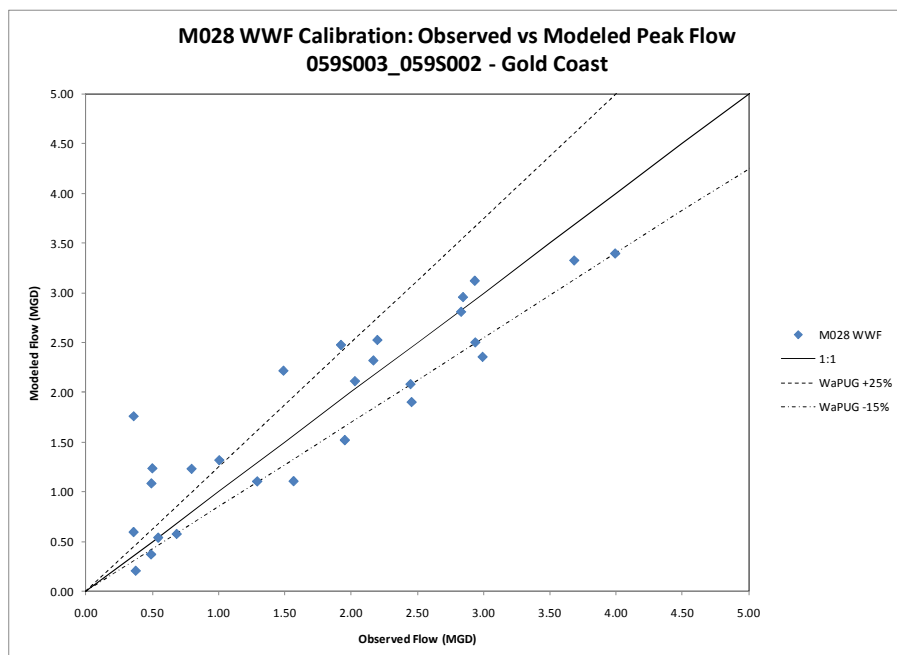


Figure 6.43: M028 WWF Flow Calibration Plot

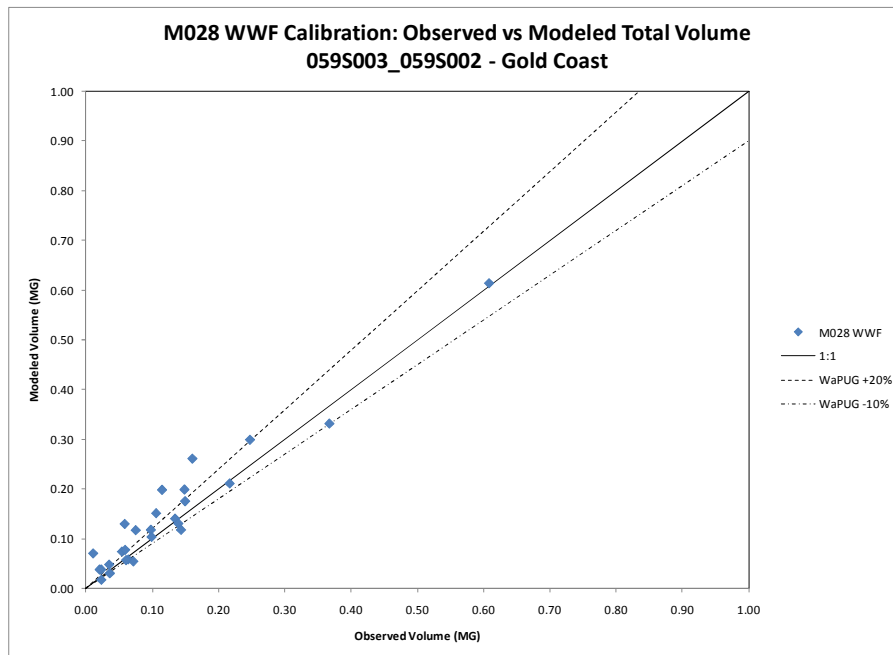


Figure 6.44: M028 WWF Volume Calibration Plot

6.5.15 CSO-059A

Overflow CSO-059A is located on Nicholson and discharges to Lake Erie.

Figure 6.45 shows the WWF depth calibration plot for flow monitors M034, M035, M038, and M039. **Figure 6.46** shows the WWF flow calibration plot for M034, M035, M038, and M039 and **Figure 6.47** shows the WWF total volume calibration plot for M034, M035, M038, and M039.

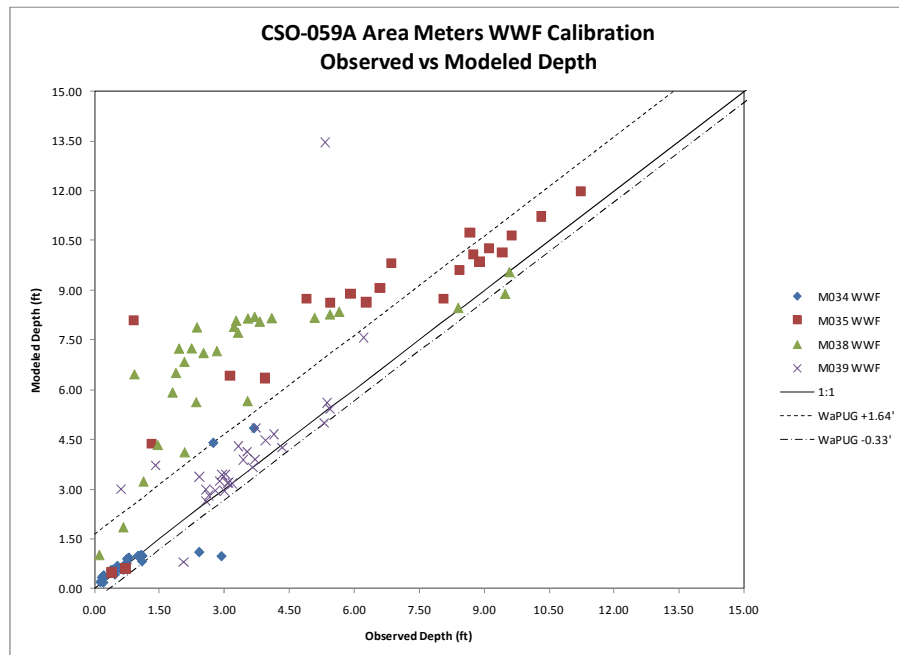


Figure 6.45: M034, M035, M038, and M039 WWF Depth Calibration Plot

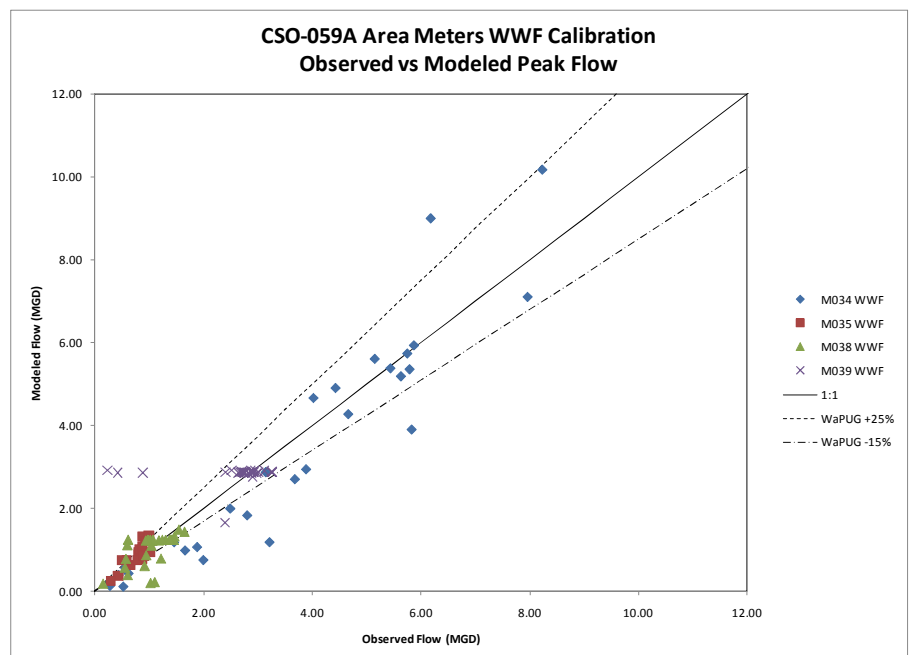


Figure 6.46: M034, M035, M038, and M039 WWF Flow Calibration Plot

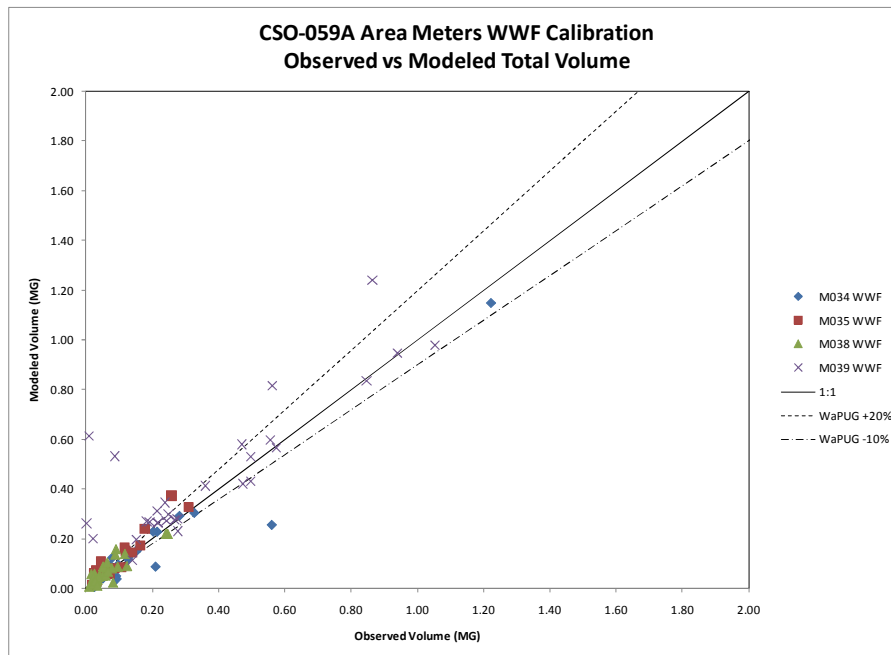


Figure 6.47: M034, M035, M038, and M039 WWF Volume Calibration Plot

6.5.16 CSO-059B

Overflow CSO-059B is located on Edgewater between Homewood and Wilbert and discharges to Lake Erie. **Figure 6.48** shows the WWF depth calibration plot for flow monitor M068. **Figure 6.49** shows the WWF flow calibration plot for M068 and **Figure 6.50** shows the WWF total volume calibration plot for M068.

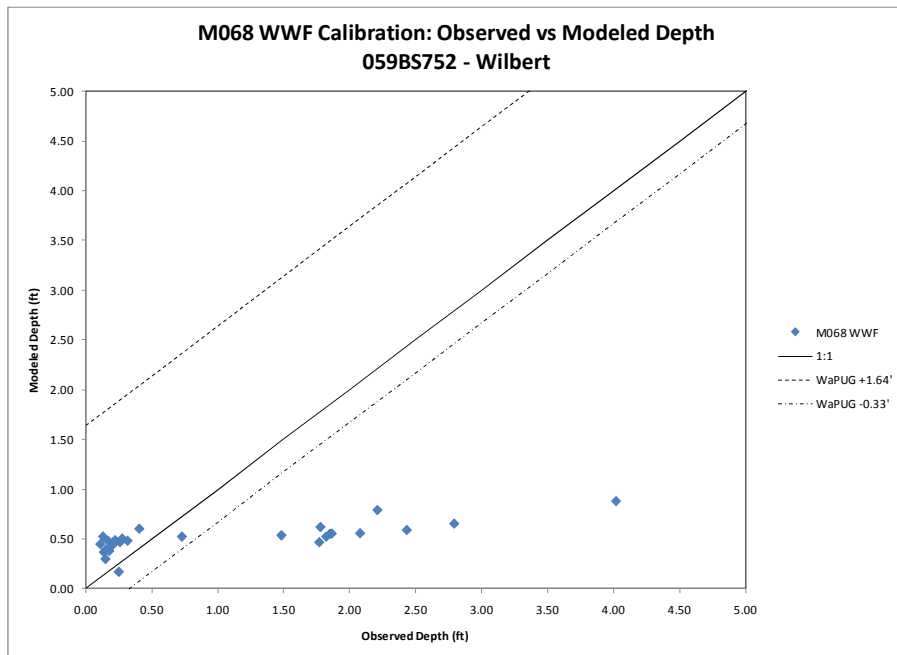


Figure 6.48: M068 WWF Depth Calibration Plot

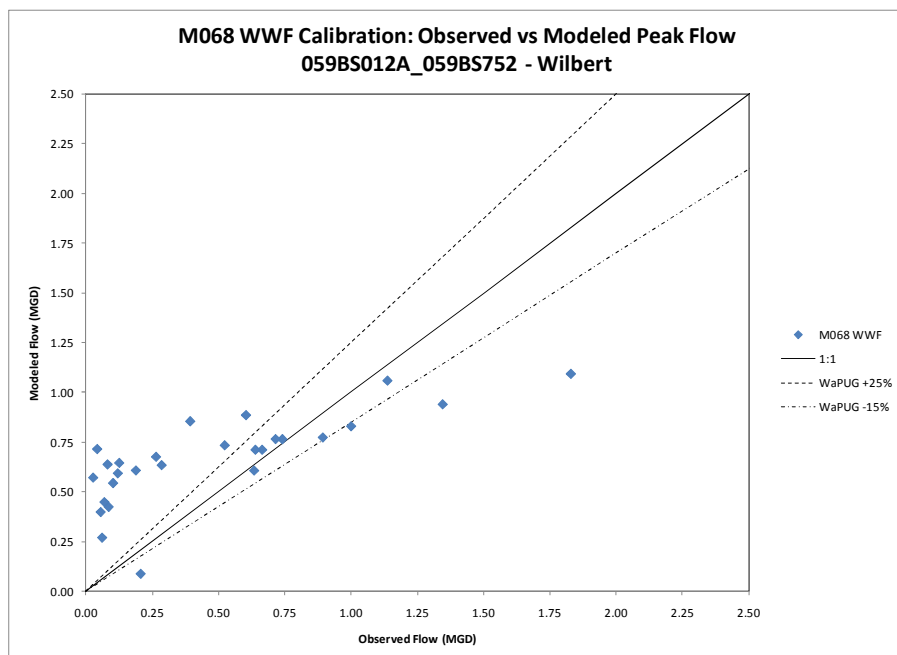


Figure 6.49: M068 WWF Flow Calibration Plot

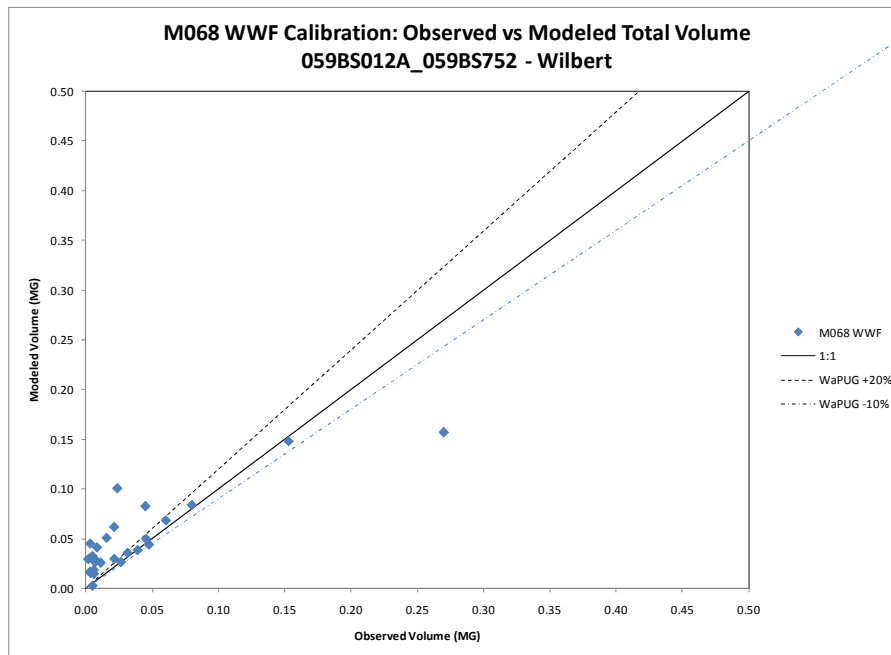


Figure 6.50: M068 WWF Volume Calibration Plot

6.5.17 CSO-059C

Overflow CSO-059C is located at Lake and w. 117th and discharges to Lake Erie.

Figure 6.51 shows the WWF depth calibration plot for flow monitor M030.

Figure 6.52 shows the WWF flow calibration plot for M030 and **Figure 6.53** shows the WWF total volume calibration plot for M030.

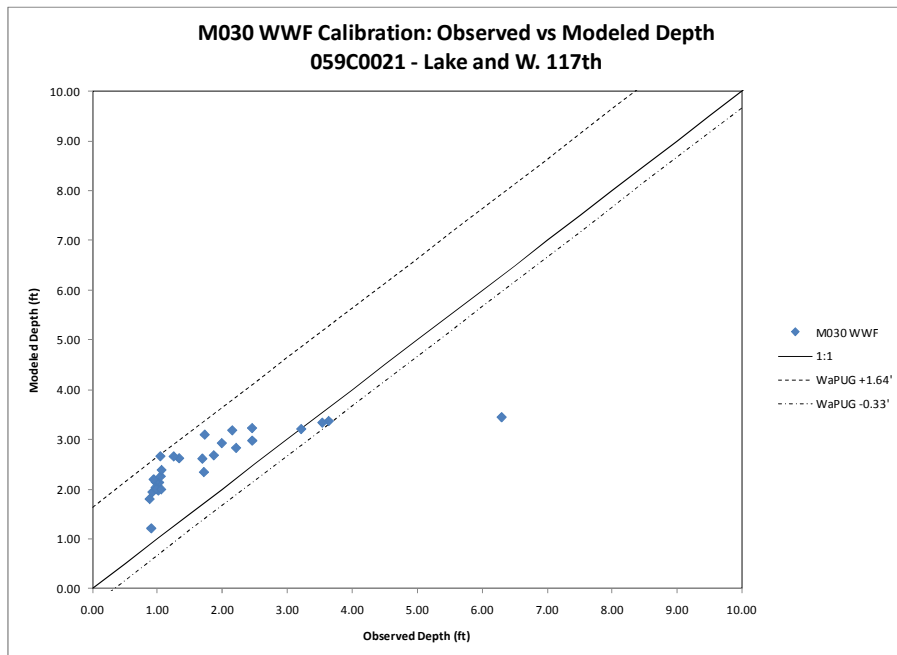


Figure 6.51: M030 WWF Depth Calibration Plot

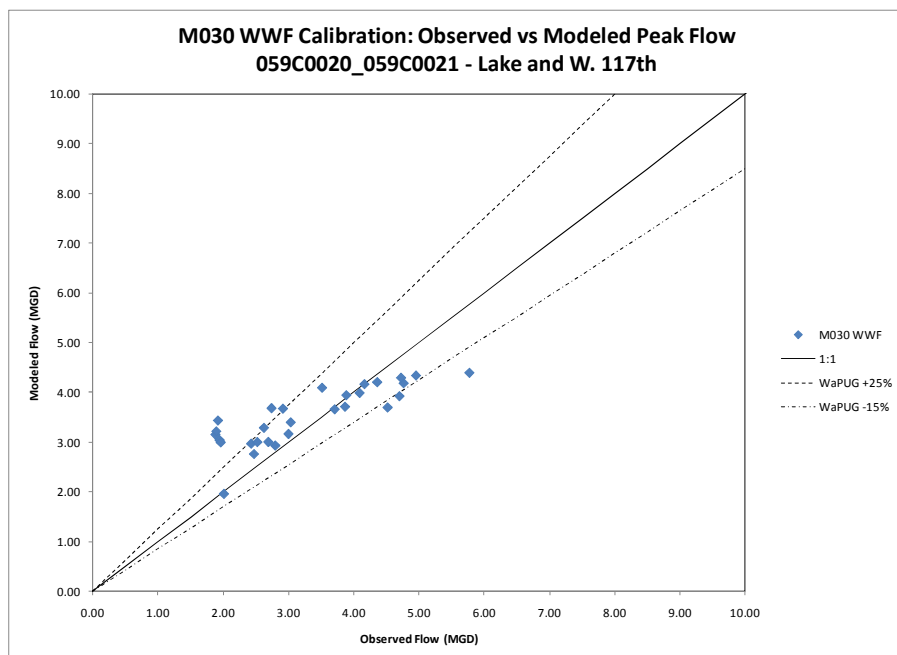


Figure 6.52: M030 WWF Flow Calibration Plot

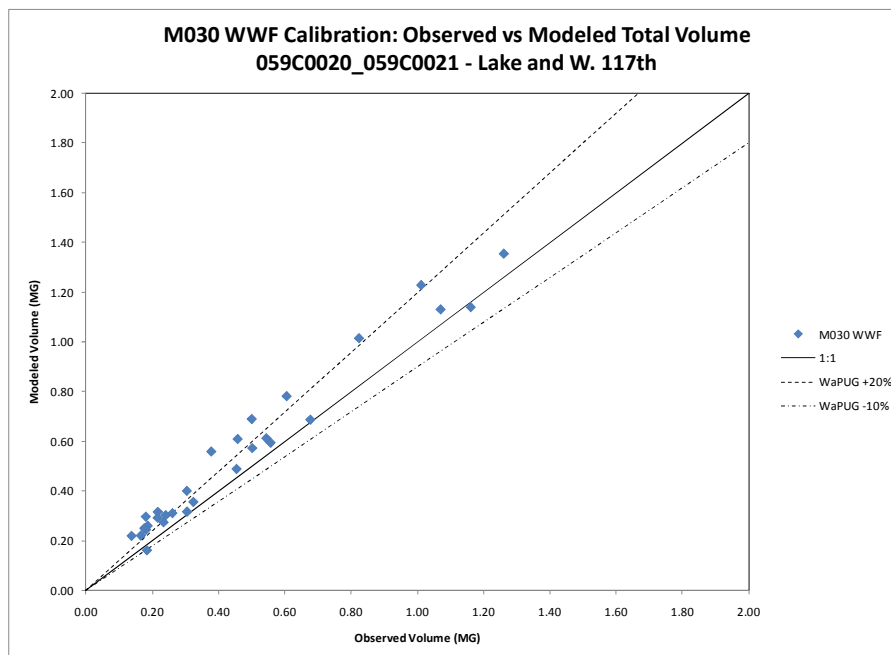


Figure 6.53: M030 WWF Volume Calibration Plot

CHAPTER 7 – INTERCEPTOR SEWER VERIFICATION

7.1 INTRODUCTION

The City of Lakewood's (City) interceptor sewer was constructed from 1920 to 1940 to provide relief for overloaded local collection system. The sewer was constructed in two phases, first, from the wastewater treatment plant (WWTP) to Nicholson Avenue in 1920 and, second, from Nicholson Avenue to West 117th Street in 1930. The interceptor sewer was constructed as a segmental block tile sewer in a City of Cleveland Standard Egg shape. Most of the interceptor sewer is a No. 7 egg with dimensions shown in **Figure 7.1**.

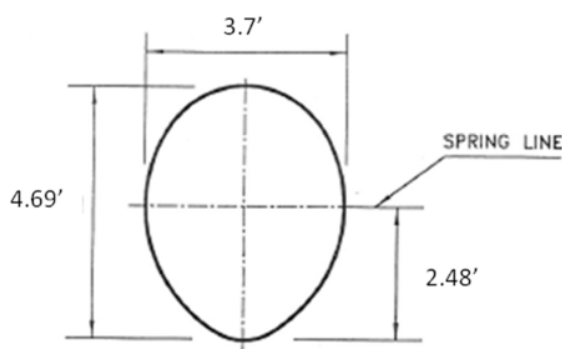
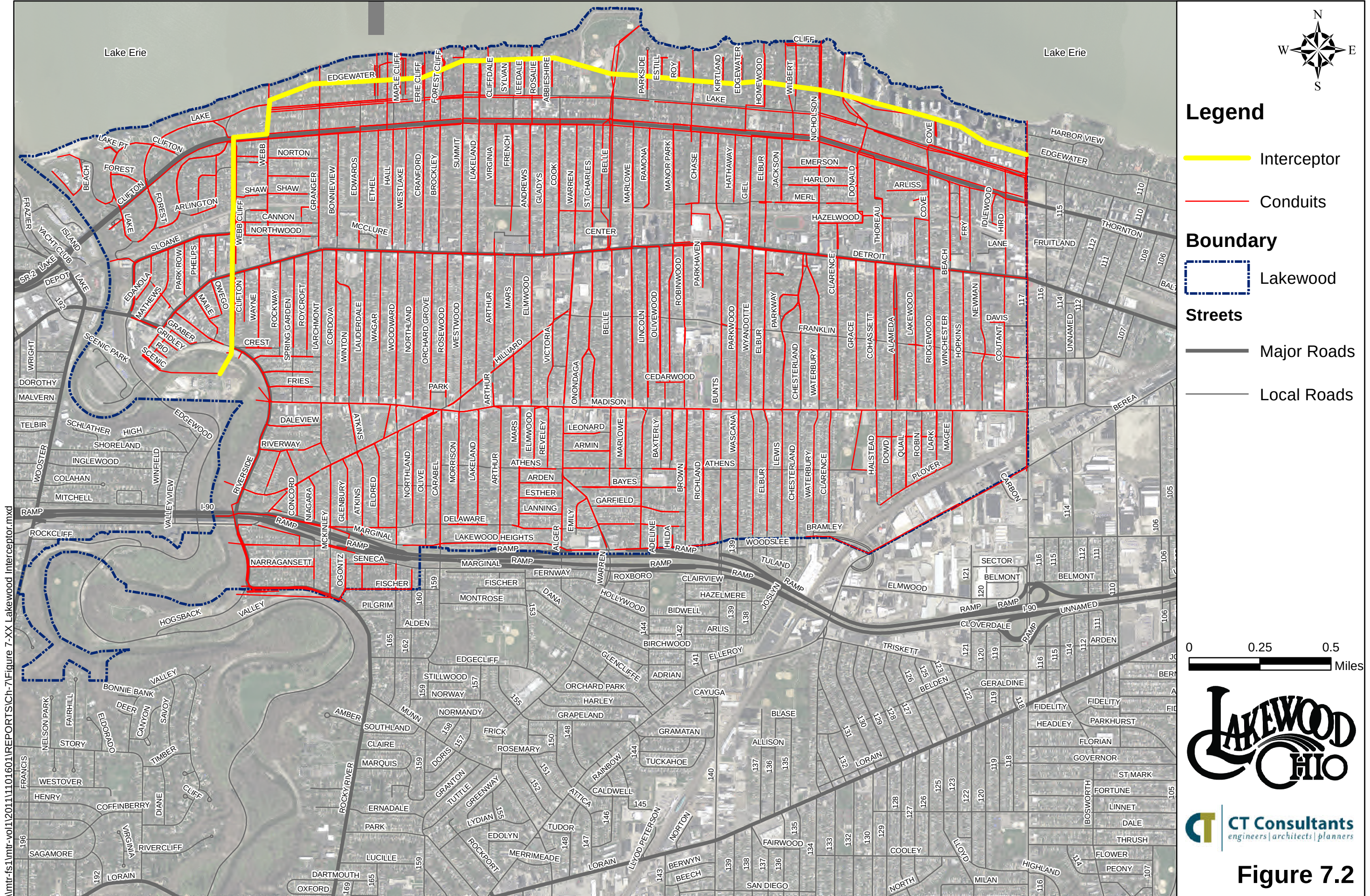


Figure 7.1: Dimensions of Standard No. 7 Cleveland Egg Sewer

The City's interceptor begins (in the direction of flow) at the northeast corner of the City at W. 117th St. and Edgewater Dr. and generally follows the alignment of Edgewater Dr. west parallel to Lake Erie. The interceptor follows Webb Road south towards Clifton Blvd., turns west on Clifton Blvd., and then south again on W. Clifton Blvd. It follows W. Clifton Blvd. south to the Rocky River where it crosses the river via an aerial sewer to the City's WWTP. The interceptor sewer is 100 ft deep at its deepest location and 20 ft deep at its shallowest location. On average, the interceptor is approximately 60 ft deep. **Figure 7.2** shows the interceptor sewer route. Local sewers flow into the interceptor at numerous locations. **Figure 7.3** shows the interceptor profile from the City's SWMM model.





7.2 FLOW MONITORING ON THE INTERCEPTOR

To develop the City's most comprehensive model to-date, it was desirable to install flow monitoring equipment on the interceptor sewer. Several locations were identified as potential locations for flow monitor installation; however, due to safety concerns for crew personnel installing the flow monitors, the interceptor was not monitored directly. Safety concerns include the depth of the interceptor sewer, high velocity in the interceptor sewer, and high volumes of traffic on a number of the streets above the interceptor.

The City maintains permanent CSO flow monitors along the interceptor which are used to report volume and frequency of the overflows. The CSO activations reported by the permanent flow monitors were used to calibrate CSO activations in the continuous simulation model. Chapter 8 of this report explains the continuous simulation model.

7.3 SEWER INSPECTION ON THE INTERCEPTOR

In April of 2011, the City contracted to have the interceptor sewer televised from the WWTP to W. 117th St. The data from this effort is presented in detail in Appendix I of this report for reference. Crews used closed circuit television (CCTV) and National Association of Sewer Service Companies (NASSCO) Pipeline Assessment and Certification Program ® (PACP) coding to record the condition of the interceptor sewer.

The information gathered from the CCTV effort was used to help calibrate the model at flow monitors adjacent to the interceptor sewer. Due to large amounts of accumulated debris, the model represented the No. 7 Egg sewer as a No. 5 Egg sewer on occasion. Select locations are shown in **Figures 7.4** through **7.8** to represent the condition of the interceptor sewer. **Figure 7.4** is the farthest upstream and **Figure 7.8** is the farthest downstream in the interceptor. As a result of the CCTV emergency repairs were performed on the interceptor between Lakeland Avenue and Summit Avenue.



Figure 7.4: Interceptor Sewer along Edgewater between Cove and Gold Coast



Figure 7.5: Interceptor Sewer along Edgewater between Lakeland and Summit



Figure 7.6: Interceptor Sewer along Clifton between Webb and West Clifton



Figure 7.7: Interceptor Sewer along West Clifton between Sloane and Detroit

7.4 SUMMARY

The overflows at CSO-002 and CSO-059 are both directly on the interceptor. The number of activations and volume of flow from the overflow monitoring data provided by the City was used to verify the modeled interceptor flow.

CHAPTER 8 – CONTINUOUS COLLECTION SYSTEM MODEL VERIFICATION

8.1 COMPREHENSIVE SWMM MODEL

The City of Lakewood (City) has nine permitted sewer overflows shown in **Figure 6.5**. To decrease simulation run times during calibration and facilitate data management, the City's collection system was modeled by unique overflow area. The CSO-002 and CSO-059 areas were subdivided because additional locations of potential overflow were identified. Sub-dividing CSO-002 and CSO-059 into smaller areas allowed the model to be created in greater detail upstream of potential overflows. CSO-053 and CSO-054 areas were combined into a single model because one could not be modeled without the other. Dry-weather flow (DWF) calibration and single-event wet-weather flow (WWF) calibration were performed on 15 individual models. Hydraulically independent areas were calibrated first and the calibration effort progress downstream until the entire City was calibrated. If an upstream model discharged to a downstream model, the results from the calibrated upstream model were used as input boundary conditions for the downstream model.

The 15 individual Lakewood models created for single-event calibration were an efficient method for model calibration, allowing the calibration effort to be completed simultaneously for several flow monitors. However, to assess the system's reaction under the influence of precipitation events, it was required to assemble the separate models into a single, comprehensive, system-wide model. Section 8.1.1 describes the general process of combining the individual models into a comprehensive city-wide model. Subsequent sections provide details as to how the assembly was performed.

8.1.1 COMPREHENSIVE MODEL ASSEMBLY

System-wide models are often developed as several smaller models that are easier to manipulate and shorter to run for calibration efforts. To perform a complete system analysis it is important to combine these smaller models into a large comprehensive model that encompasses the entire system. To assemble individual models into a single, comprehensive model, several steps are required. The general outline is:

1. Ensure duplicate names do not exist
2. Confirm separate models were developed using the same plane coordinate system
3. Create a new SWMM input file
4. Import modeling objects (e.g. junctions, outfalls, conduits, rain gages) from individual models to the new model
5. Resolve common objects between individual models

Individual models, previously calibrated, retain their calibration when merged into a single larger model as long as the input parameters remain the same. If a

downstream model was calibrated without the input from a calibrated upstream model, the downstream model would not be calibrated when assembled into a comprehensive model.

8.1.2 DUPLICATE NAME RECONCILIATION

When models are created independently, it is common that objects in each model have the same name even though they represent different physical entities in the collection system. For instance, a manhole in one model may be labeled as MH01 and located at the intersection of Main Street and High Street, while MH01 in a second model may be located at the intersection of High Street and State Street. If it is important to keep both MH01's in a combined model, the names must be changed to avoid duplicate names in the final model.

The naming convention developed for the City's collection system model followed a simple nomenclature that was descriptive and avoided confusion. The naming convention developed for the City's system-wide model makes the data easily readable and transferable to other models or other persons that may use the comprehensive model as reference for future projects. To avoid duplicate object names in the City-wide model, the nomenclature for naming nodes included a prefix of the overflow area, a letter designation of the specific collection system that contains the node, and the manhole number from the original model. Examples of sanitary, storm, and combined collection system nodes are as follows:

- Sanitary sewer junctions: **002S053** where "002" is the overflow area where the junction is located, "S" designates the Sanitary sewer, and "053" is a three-digit node identification number.
- Storm sewer junctions: **002T053** where "002" is the overflow area where the junction is located, "T" designates the sTorm sewer, and "053" is a three-digit node identification number.
- Combined sewer junctions: **052C104** where "052" is the overflow area where the junction is located, "C" designates the Combined sewer, and "104" is a three-digit node identification number.

The following nomenclature was used for naming subcatchments in the comprehensive, system-wide model: **S002T053**

- Prefix: To set the subcatchments apart from the nodes, the prefix "S" was used.
- Name: The basic name assigned to the subcatchments was the outlet node name. By changing the node names first, the outlet node in the subcatchments layer automatically updated.
- Optional Suffix: Occasionally two subcatchments were intentionally loaded to the same node. Because two subcatchments cannot be named identically, the second subcatchment was assigned the suffix "A." If necessary, subsequent nodes loaded to the same node will continue with the suffix "B," "C," etc.

The following nomenclature will be used for naming links in the comprehensive, system-wide model: **052S005_052T004**

- Upstream Junction ID: 052S005 where “052” is the overflow area where the junction is located, “S” designates the Sanitary sewer, and “005” is a three-digit node identification number.
- Underscore: _ this character is used to designate the end of the upstream node name and the start of the downstream node name.
- Downstream Junction ID: 052T004 where “052” is the overflow area where the junction is located, “T” designates the sTorm sewer, and “004” is a three-digit node identification number.

Using this convention supplies the user with ample information regarding the asset. First, since the junctions were named by “flow meter area, special character, and structure number,” the user can tell which flow meter area the pipe is located in. Also, the user can tell if the link is a sanitary, storm, or combined sewer. Lastly, from the downstream junction ID, the user can tell if the pipe spans two meter areas (i.e. it is the location of a flow meter) or if it spans two systems (e.g. an overflow pipe that goes from a sanitary sewer manhole to a storm sewer manhole).

8.1.3 IMPORT OBJECTS

PCSWMM can be used to import data directly from another SWMM input file. This feature allows the user to easily combine models into a comprehensive model. **Figure 8.1** shows the interface to import a SWMM input file. By using the check boxes provided the user can import specific portions of a model or the entire input file. Imported entities can be tagged with the original model name (or any other alpha-numeric character string) for easy reference to the original model from which the entities were imported.

8.1.4 COMMON OBJECT ELIMINATION

When individual models are imported into a comprehensive model, it is inevitable that some objects may be represented twice, even with the precautions taken in the previous steps to avoid duplicate names. Common objects in the comprehensive model are most often found at interface points between two of the individual models. The upstream model likely modeled a manhole as the “system” outfall and the downstream model modeled the same manhole as a node. Following the naming convention outlined in Section 8.1.2, both objects may be imported to the comprehensive model (with distinct names) and aligned directly on top of one another. To remove common objects, the conduit was directed to the node from the downstream model and the outfall from the upstream model was eliminated.

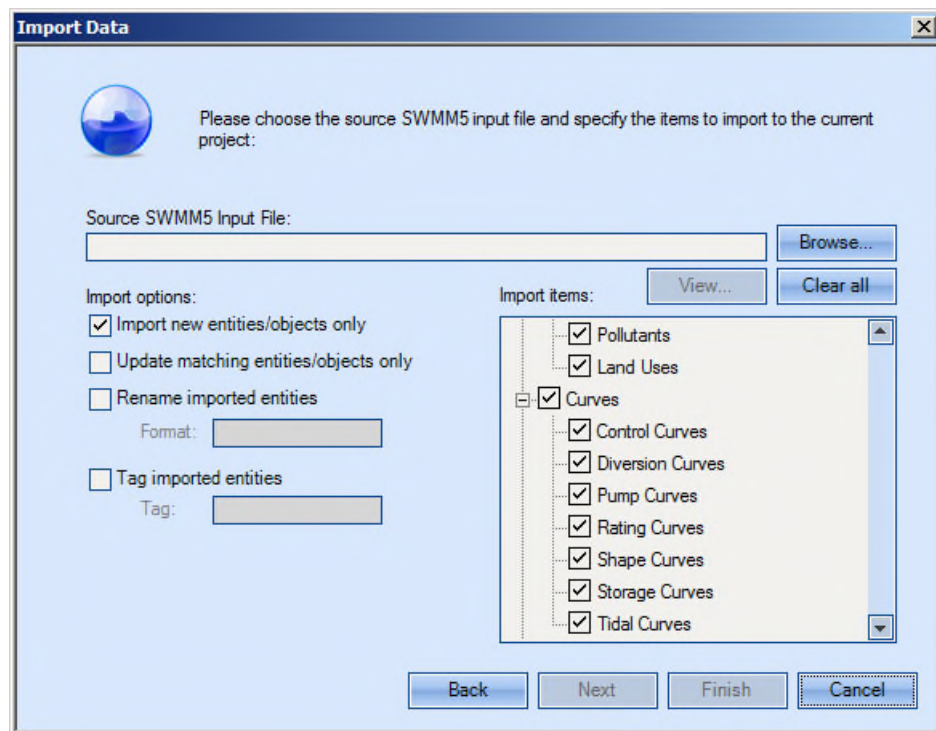


Figure 8.1: PCSWMM Import Interface for SWMM Input Files

8.2 LONG-TERM CONTINUOUS SIMULATION

Single-event models capture specific, isolated snapshots of a system’s response to precipitation. Long-term continuous simulation models are used to simulate complex hydraulic and hydrologic processes not found in single-event simulations. Continuous simulation models are frequently developed and used to simulate how the collection system responds to precipitation events under various antecedent moisture conditions, groundwater levels, and seasonal influences. A calibrated continuous simulation model can be used to predict the impacts of possible improvement scenarios and help select the most economical combination of improvement technologies to achieve the desired long-term goals. Many municipalities use dynamic long-term models to demonstrate how specific control measures will improve their integrated wet-weather improvement plan (IWWIP), limiting the frequency and volume of CSO or SSO events.

A long-term simulation model was used to predict how the system would respond to a “typical” year rainfall. This baseline can then be used to predict the average system overflow volume and frequency under future improvement conditions.

8.2.1 CONTINUOUS DRY-WEATHER FLOW

Long-term or continuous models may simulate several months or years during which the DWF, especially the GWI, varies month-to-month and season-to-season. The flow monitoring period for the City was completed over several

months that showed GWI fluctuations, but did not capture discernable seasonal variations.

The Lakewood continuous simulation model was configured so that the DWF parameters can be adjusted monthly. Since data was not collected for every month of the year, a method was developed to complete the typical year model with available data. By separating the year into two distinct seasons of growth and dormancy, the collected data was used to complete the model for months where data was not collected.

Most data for the Lakewood comprehensive system model were collected during the growth season. Some flow monitors were installed early enough in the season to capture flow data in April which can be considered a “transition” month if the data do not fit growth or dormant season trends. If good quality data were collected in April, the April parameters were applied to dormant season months during which data were not collected. In the absence of good quality April data, May parameters were applied to the dormant season months without data. May exhibits characteristics much more similar to the dormant season than June, July, or August, the months during which flow monitoring data were collected. A detailed explanation of the extrapolation of DWF parameters to the entire year can be found in Chapter 5 of this report.

8.2.2 CONTINUOUS WET-WEATHER FLOW

In contrast to single-event WWF models that simulate an isolated event over several hours up to several days, a continuous simulation model may simulate several months or years during which the WWF varies storm-to-storm, month-to-month, and season-to-season. During a continuous WWF simulation, the model responds to isolated storm events as well as back-to-back precipitation events. Wet-weather flow response is dependent on the precipitation characteristics and antecedent moisture conditions. During single-event calibration, a variety of storms and antecedent moisture conditions were selected to calibrate the model to system responses for multiple precipitation characteristics. The robustness created in the model from calibrating to a variety of single-events lends itself to continuous simulation scenarios.

Unit hydrograph R, T, and K parameters were fitted to the observed data using the United States Environmental Protection Agency (USEPA) Sanitary Sewer Overflow Analysis and Planning (SSOAP) toolbox. Most data for were collected during the growth season which typically exhibits short, intense precipitation events with significant amounts of runoff. Some flow monitors were installed early enough in the season to capture flow data in April which can be considered a “transition” month if the data do not fit growth or dormant season trends. Compared to the growth season, April precipitation events are generally lower in intensity and longer in duration, resulting in lower peak runoff rates and higher amounts of infiltration. If good quality data were collected in April, the April

RTK parameters were applied to dormant season months during which data were not collected. In the absence of good quality April data, May RTK parameters were applied to the dormant season months without data. May exhibits sewer response characteristics much more similar to the dormant season than June, July, or August, the months during which majority of the flow monitoring data were collected. Wet-weather parameters extrapolated to the entire year follow the same monthly criteria used during DWF extrapolation.

8.3 CONTINUOUS SIMULATION PRECIPITATION

8.3.1 2011 PRECIPITATION

The City's comprehensive model was used to establish a baseline for overflow events during May, June, July, and August of 2011. Data from the installed rain gauges were used to simulate the continuous model. Unlike the single-event calibrations presented in Chapter 6 of this report, the continuous model was used to simulate the system response over the three to four month period without any breaks. Running the simulation for the entire 2011 period accounts for back-to-back precipitation events where the soil does not have a chance to recover its full potential of infiltration and the system may not have returned to DWF conditions.

8.3.2 TYPICAL YEAR PRECIPITATION

The City's comprehensive model was used to establish a baseline for overflow events during a typical precipitation year. It is the baseline predictions from the model that will be used to determine system improvements in accordance with the City's integrated wet-weather improvement plan.

Data from Cleveland Hopkins International Airport (CLE) were obtained for the 33-year period from 1973 to 2006. The following criteria were considered desirable for the typical year precipitation data:

- No storm events greater than a 1-year storm
- Include a 1-year 1-hour storm
- Include a 6-month 1-hour storm
- Include a 4-month 1-hour storm
- Include a 3-month 1-hour storm
- Have remaining storms less than a 3-month storm
- Close to average precipitation reported by United States Department of Agriculture (USDA)

The precipitation events from the 33-year record were classified and calendar year 1977 (35.48 inches, total) came closest to the previously stated criteria. This year of precipitation data was submitted to the USEPA for evaluation. The USEPA assessed the proposed precipitation record and requested that the total precipitation for the year be raised from 35.48 inches to 37.52 inches based on the

CLE data (1973 to 2006) being more recent than the USDA data (1951 to 1976) previously used. To incorporate the additional precipitation requested, the 1977 monthly precipitation was compared to the monthly averages of the CLE data. January, February, May, September, and October were below the monthly average of the CLE data. The additional precipitation (2.04 inches) of precipitation was distributed to the below average months as shown in **Table 8.1**. The additional storms brought the respective monthly averages closer to the monthly averages of the CLE data.

Table 8.1: Additional Precipitation Added to Typical Year at Request of USEPA

Date (mm/dd/yyyy)	Time (hh:mm)	Precipitation (in)
01/16/1977	12:00	0.31
02/08/1977	12:00	0.21
05/08/1977	12:00	0.28
05/12/1977	12:00	0.28
05/16/1977	12:00	0.27
09/06/1977	12:00	0.38
10/29/1977	12:00	0.31
Total		2.04

The hourly precipitation data was converted to 15-minute precipitation data. During the discretizing process fractions of precipitation were rounded instead of truncated, resulting in a total yearly precipitation of 38.52 inches instead of the anticipated 37.52 inches. The rounding error from disaggregating the hourly precipitation was subsequently corrected. **Table 8.2** provides a summary of the typical year precipitation. The entirety of typical year precipitation data are presented in Appendix J of this report.

Table 8.2: Typical Year Precipitation Summary¹

Yearly Total (in)	37.52
Maximum Day (in)	1.76
Date of Maximum	6/30/1977
Maximum Month (in)	4.77
Month of Maximum	June

¹After USEPA requested modifications

8.4 CONTINUOUS SIMULATION SYSTEM RESPONSE

Results from the continuous simulations were analyzed to determine the system response at critical points. The system was investigated at the WWTP inflow and overflow locations.

8.4.1 CONTINUOUS SIMULATION CALIBRATION

Since the single-event models do not account for seasonal variations and antecedent moisture conditions, adjustments were made to the calibrated single-event models to create a calibrated continuous simulation model. These continuous calibration adjustments did not adversely impact the single-event model calibration status. An example of the continuous simulation calibration is shown in **Figure 8.2** for CSO-052 M018 and the Fire Station rain gauge. Another continuous simulation calibration hydrograph is presented in **Figure 8.3** for CSO-059 M028 and the City Hall rain gauge. A final example hydrograph is shown in **Figure 8.4** for CSO-002B M045 and the Lincoln rain gauge.

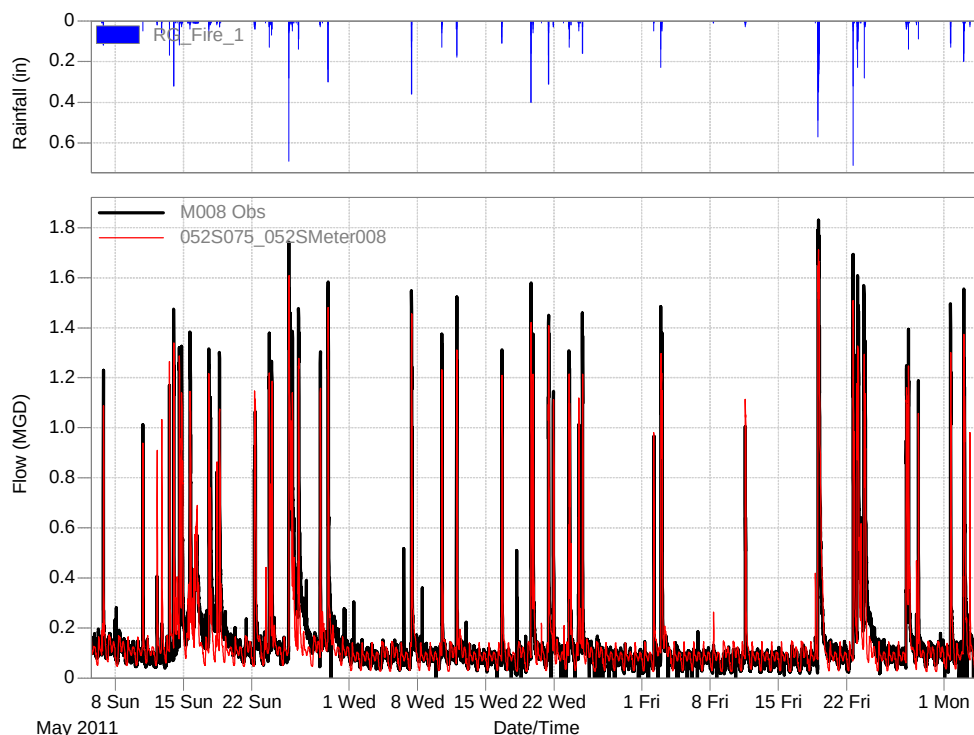


Figure 8.2: Continuous Simulation Calibration Hydrograph for CSO-052 M018

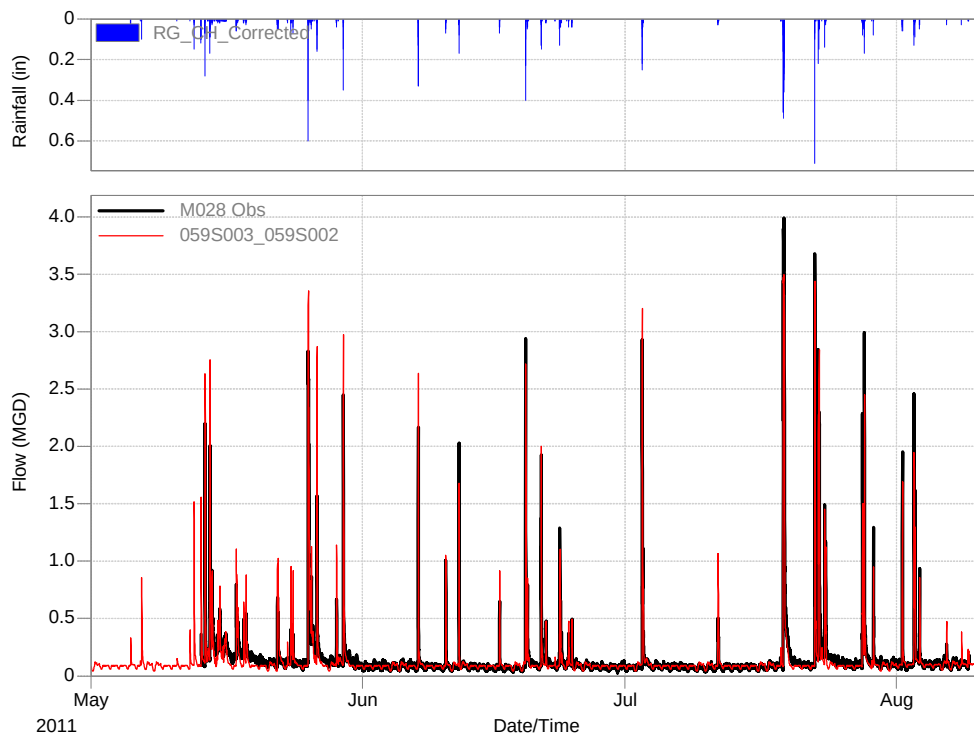


Figure 8.3: Continuous Simulation Calibration Hydrograph for CSO-059 M028

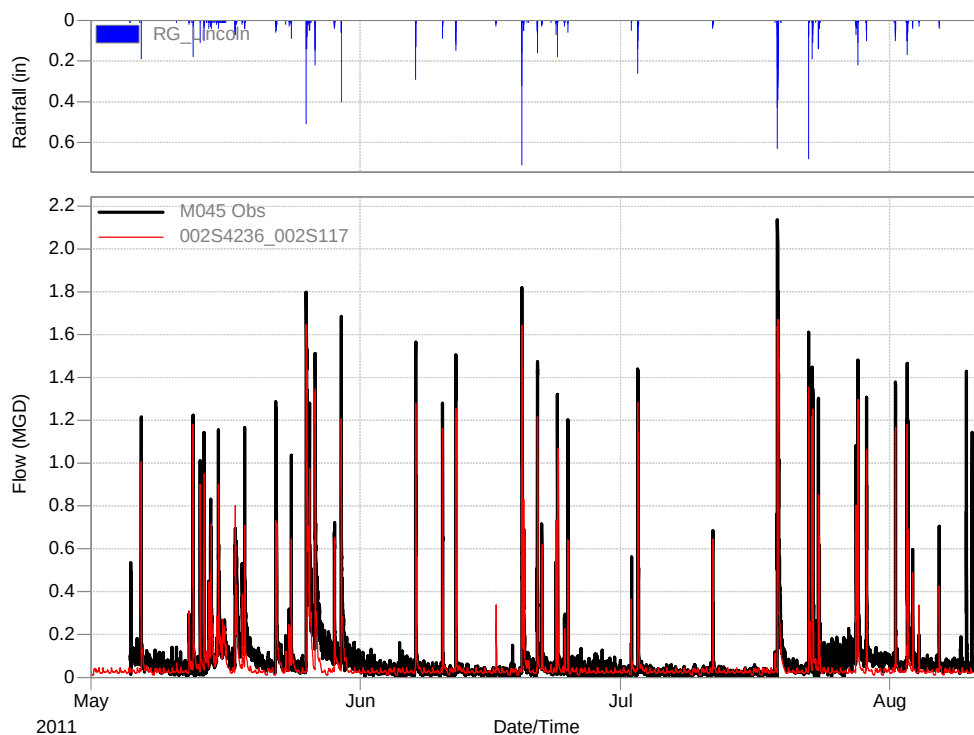


Figure 8.4: Continuous Simulation Calibration Hydrograph for CSO-002B M045

8.4.2 MODELED 2011 WWTP INFLOWS

Figure 8.5 shows the model predicted flows at the WWTP for May, 2011 through August, 2011. The head-works of the WWTP and operational procedures were modeled to the best available information provided by plant operators.

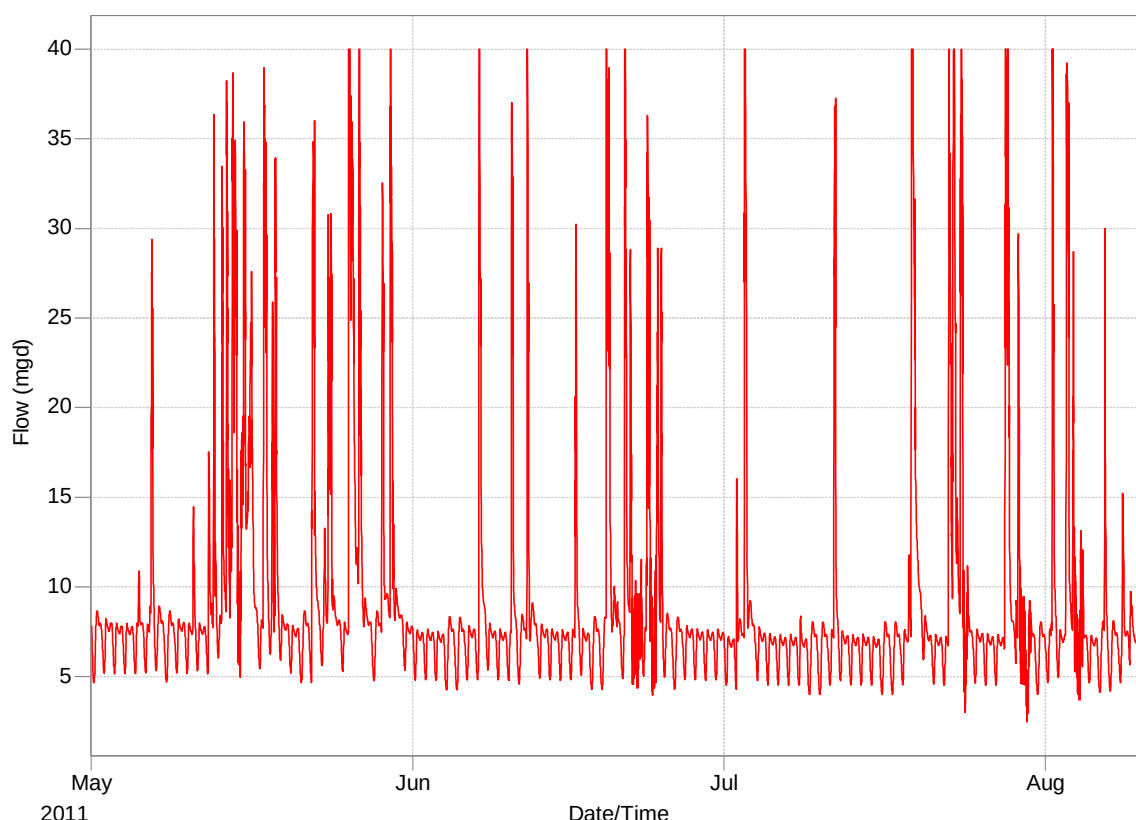


Figure 8.5: Modeled 2011 Flows to WWTP

8.4.3 MODELED 2011 OVERFLOW FREQUENCY AND VOLUME

Figure 8.6 shows the model predicted overflow activations for May through August, 2011. Because the model was only run for a four-month period, to determine the yearly statistics the results were multiplied by a factor of three to determine a “representative” 12-month activation frequency and volume. **Table 8.3** presents the “representative” results.

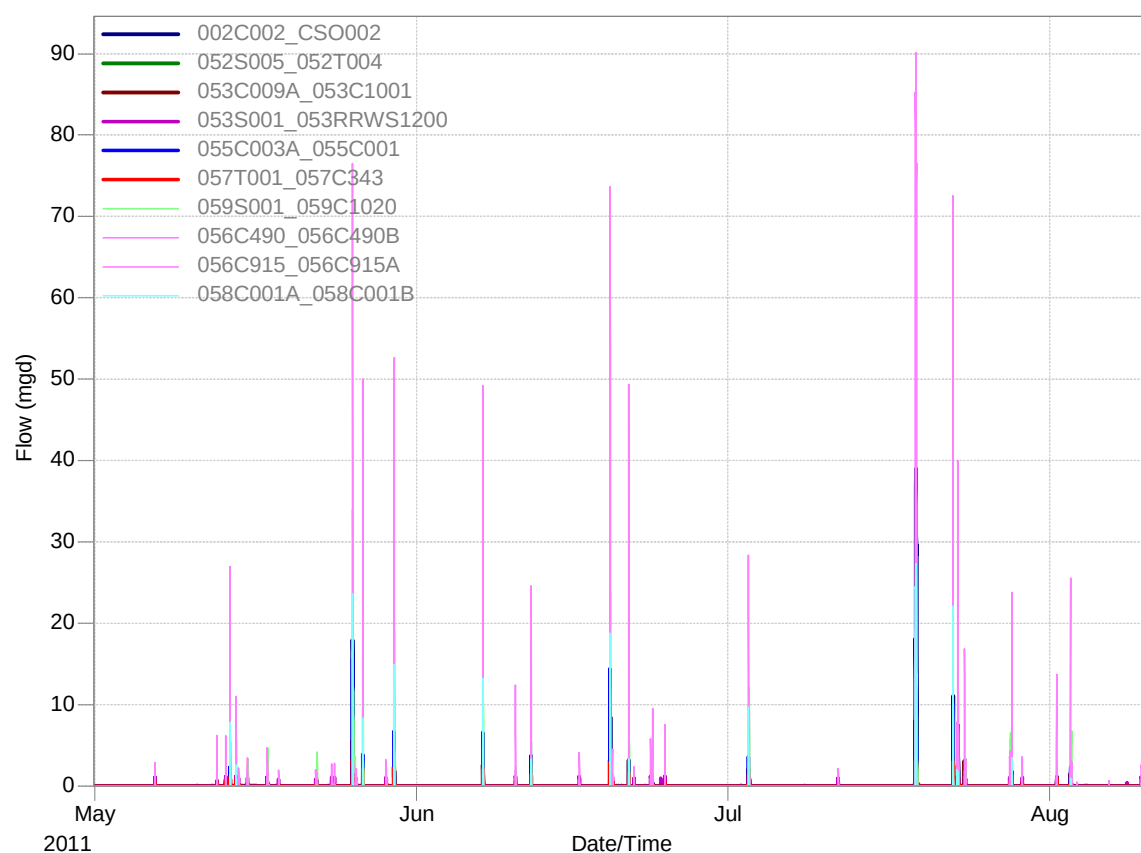


Figure 8.6: Modeled 2011 Overflows

Table 8.3: Modeled 2011 CSO Frequency and Volume Summary¹

Overflow	Modeled Node	Conduit	Frequency (#/yr)	Volume (MG)
002	CSO002	002C002_CSO002	30	276
052 ²	052T004	052S005_052T004	144	7,832
053	053C009A	053C009_053C009A	108	110
054	053RRWS-1200	053S001_053RRWS-1200	57	119
055	055C003A	055C003_055C003A	132	278
056 ³	056C915A; 056C490B	056C915_056C915A; 056C490_056C490B	99	2,701
057	057T001	057T001_057C343	90	117
058	058C001A	058C001A_058C001B	96	350
059	059C001	059C001_059S001	60	819

¹Model results for frequency and volume are multiplied by 3 and rounded to nearest whole number to represent a 12-month period

²CSO-052 is monitoring a stormwater pipe; it is most likely reporting too many overflow events and too much volume

³CSO-056 is reported as one outfall, but is physically two pipes

8.4.4 MODELED TYPICAL YEAR WWTP INFLOWS

Figure 8.7 shows the model predicted flows at the WWTP for the typical year.

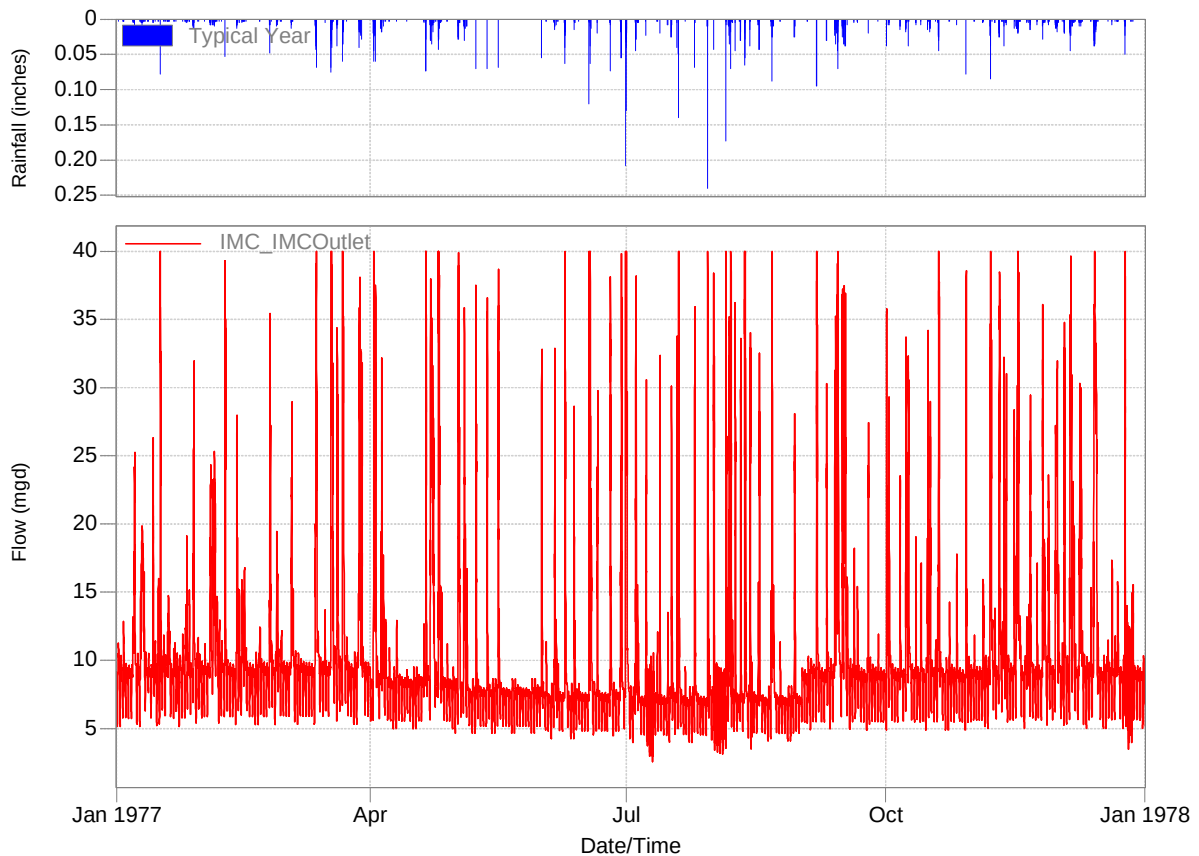


Figure 8.7: Modeled Typical Year Flows to WWTP

8.4.5 MODELED TYPICAL YEAR OVERFLOW FREQUENCY AND VOLUME

Figure 8.8 shows the model predicted overflow activations for the typical year. The data represented graphically in **Figure 8.9** is presented in **Table 8.4** for completeness.

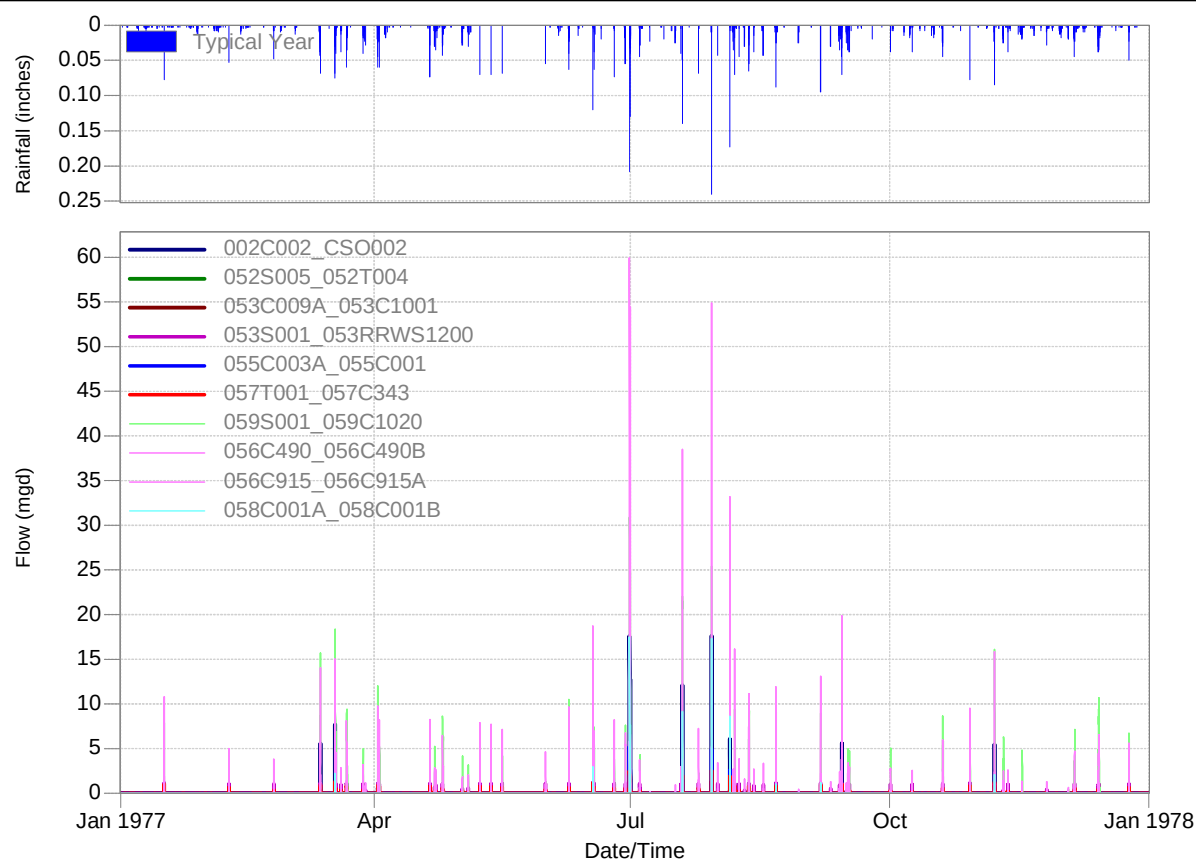


Figure 8.8: Modeled Typical Year Overflows

Table 8.4: Modeled Typical Year CSO Frequency and Volume Summary¹

Overflow	Modeled Node	Conduit	Frequency (#/yr)	Volume (MG)
002	CSO002	002C002_CSO002	12	3.16
052 ²	052T004	052S005_052T004	0	0.00
053	053C009A	053C009_053C009A	66	0.09
054	053RRWS-1200	053S001_053RRWS-1200	3	3.53
055	055C003A	055C003_055C003A	190	0.59
056 ³	056C915A; 056C490B	056C915_056C915A; 056C490_056C490B	72	36.48
057	057T001	057T001_057C343	64	2.17
058	058C001A	058C001A_058C001B	10	2.23
059	059C001	059C001_059S001	55	35.75

¹Frequency and volume represent a 12-month period simulated by the model

²CSO-052 is modeled as the true overflow pipe, not the storm pipe the flow monitor was on during 2011

³CSO-056 is reported as one outfall, but is physically two pipes

8.5 CONTINUOUS SIMULATION SUMMARY

Overall, the model calibrated very well to the CSO activations documented by the City for the period of flow monitoring performed for this project (from May to August, 2011). The 2011 continuous calibration provided confidence in the typical year model simulations. The 2011 precipitation record had several storms that were larger than any storm in the typical year precipitation record. Each precipitation record stressed the model in different ways. The 2011 precipitation record stressed the system response the short-duration, high-intensity precipitation events. The typical year precipitation record stressed the system to long-duration, low-intensity, and often back-to-back precipitation events. **Figure 8.9** presents a summary of the CSO activations modeled for May through August of 2011. The modeled typical year CSO activations are presented in **Figure 8.10** (by month) and in **Figure 8.11** (entire year).

The City's flow monitor for CSO-052 was installed on a stormwater pipe during 2011. It has since been moved to the correct combined-to-storm sewer pipe, which is the true CSO. Model results for the 2011 CSO activation represent the storm sewer pipe to show a good calibration at CSO-052, even in the storm sewer system. The model results for the typical year represent the true CSO pipe, and during a typical year precipitation, the model predicts zero CSO activations at CSO-052.

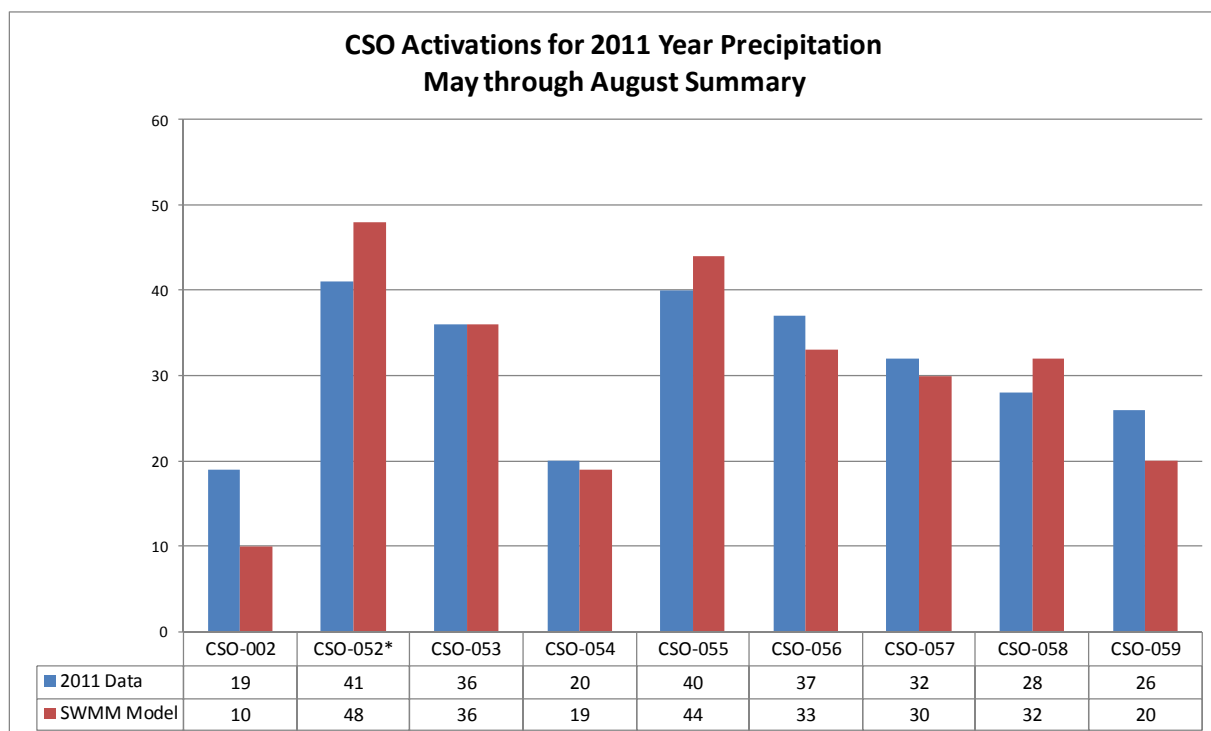


Figure 8.9: Modeled CSO Activation Summary: May through August, 2011

*CSO-052 represents a storm sewer pipe where the monitor was installed during the data collection period

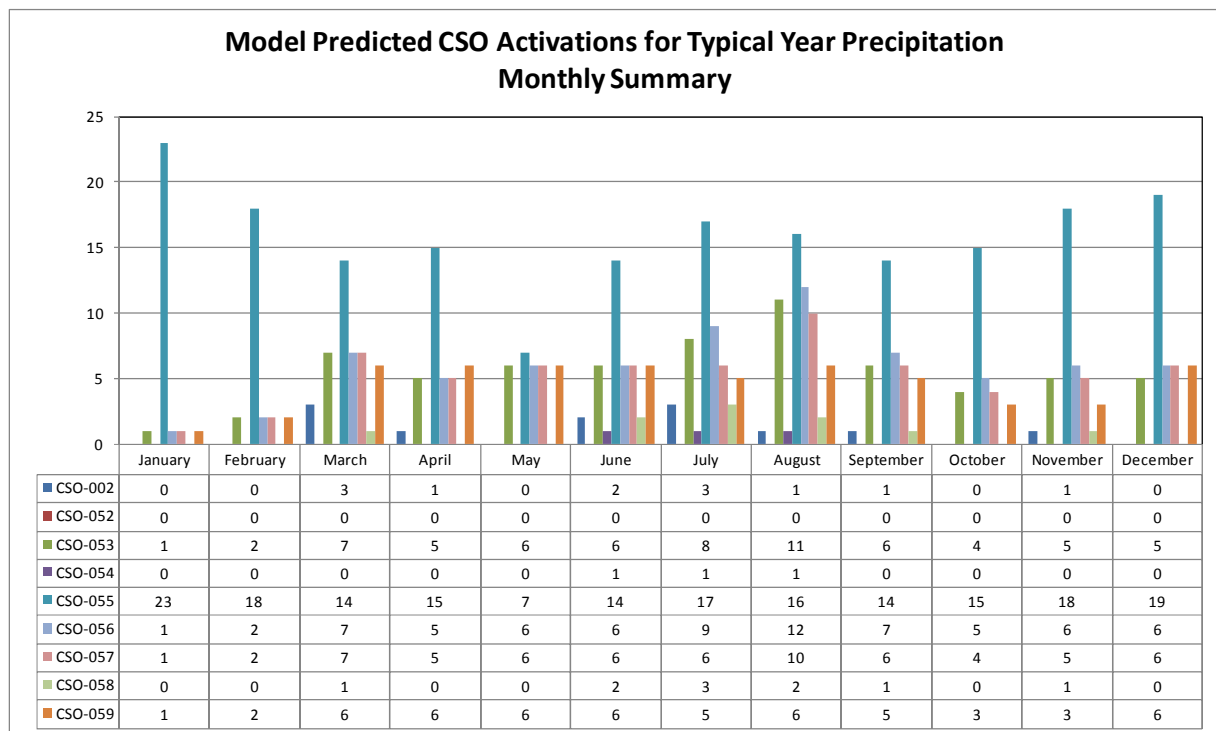


Figure 8.10: Modeled CSO Activation Monthly Summary: Typical Year

*CSO-052 represents the true combine-to-storm sewer connection, not the same location as shown in the 2011 results

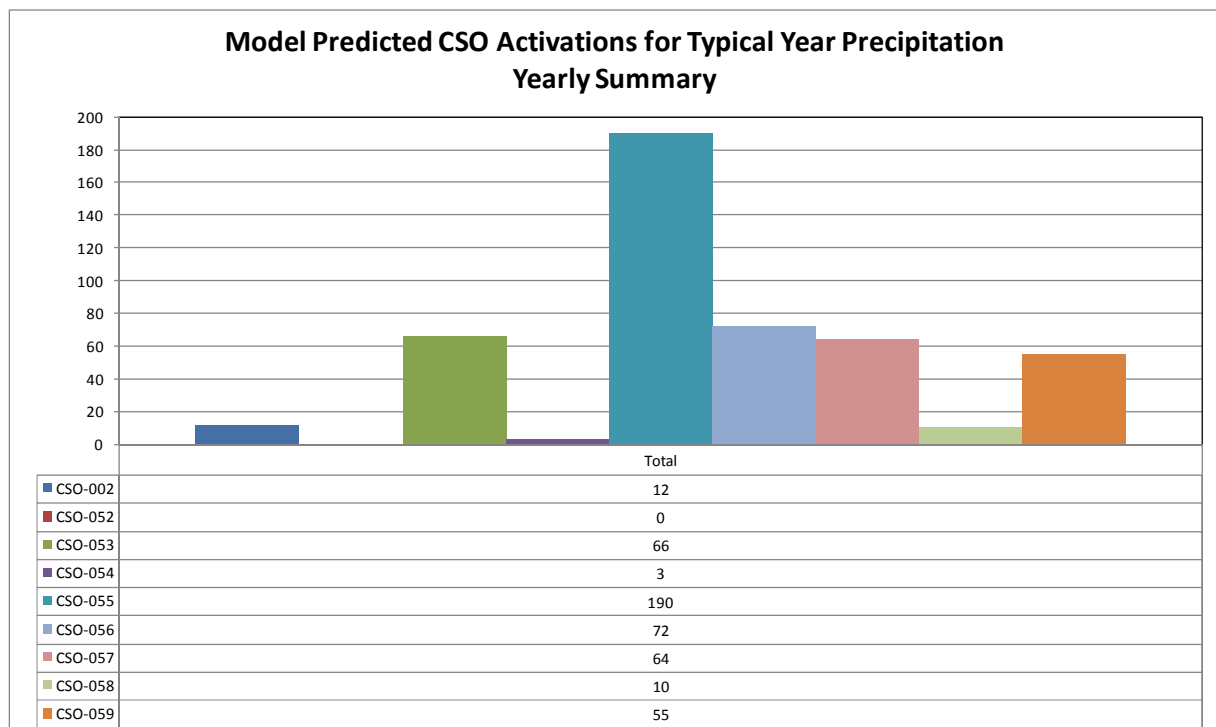


Figure 8.11: Modeled CSO Activation Yearly Summary: Typical Year

*CSO-052 represents the true combine-to-storm sewer connection, not the same location as shown in the 2011 results

APPENDIX A

APPENDIX B



CUY-90-14.90

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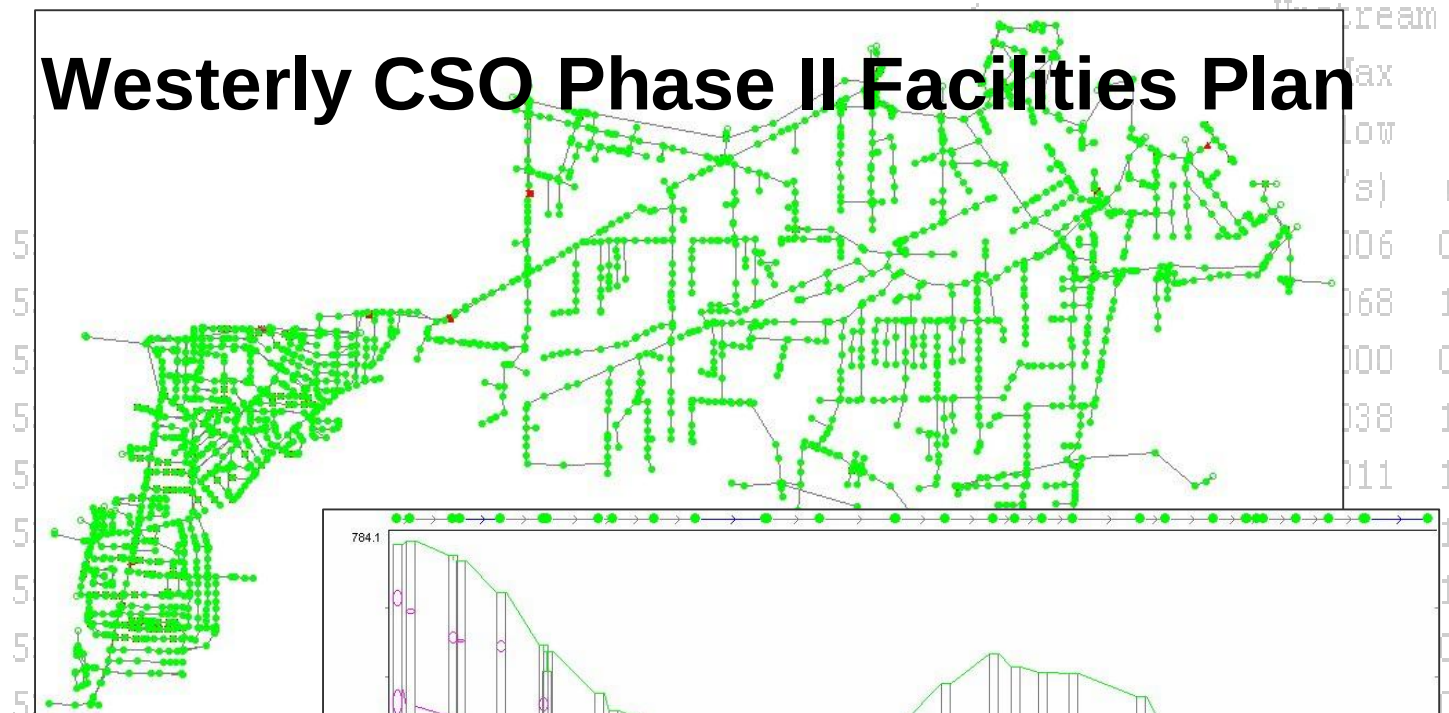
APPENDIX DR-06

**Westerly Modeling Report Full Document
(Reference Document)**

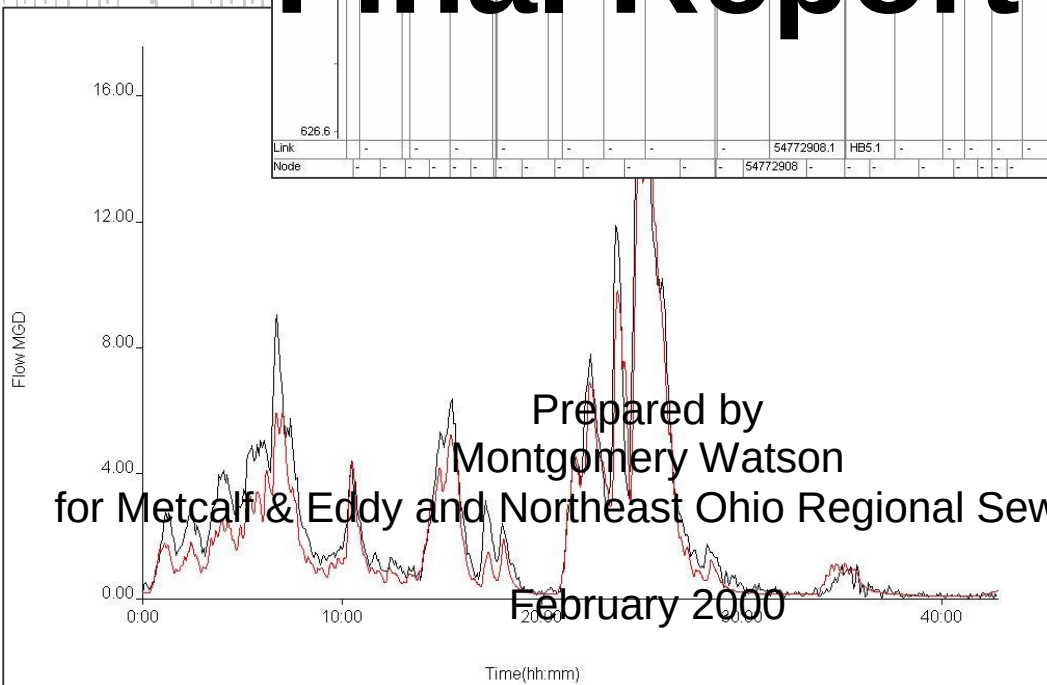
State of Ohio
Department of Transportation
Jolene M. Molitoris, Director

**Innerbelt Bridge
Construction Contract Group 1 (CCG1)**

Westerly CSO Phase II Facilities Plan



Collection System Model Development Final Report



Prepared by
Montgomery Watson
for Metcalf & Eddy and Northeast Ohio Regional Sewer District

February 2000

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1.0 INTRODUCTION

In 1994, the Northeast Ohio Regional Sewer District (District) completed a regional study of Combined Sewer Systems called the CSO Facilities Plan Phase I Study. This study recommended a more comprehensive and consolidated approach to CSO Control in the Westerly Service Area. As a result, the District initiated the Westerly District Combined Sewer Overflow Phase II Facilities Plan. The Collection System Model Development and Verification report is part of the Phase II work undertaken by the District.

Purpose

The Westerly District CSO Phase II Facilities Planning Study, and thus the modeling, involves the refinement of the findings from the Phase I Study. Specifically, the goal of the study was to develop a wet weather long term control plan (LTCP) for the Westerly District that minimizes the CSO impact on receiving waters, as required by Ohio EPA's CSO Policy. To accomplish these goals, the collection system was modeled in greater detail than the Phase I study.

Scope

This report outlines the development and verification of a detailed hydraulic model of the Westerly Service Area collection system. The model was developed as part of Task B – Facilities Planning. The Westerly CSO Phase II Facilities Planning Report contains modeling information about baseline assessment and alternatives analyses.

2.0 WESTERLY DISTRICT COLLECTION SYSTEM DESCRIPTION

The project area is shown in Figure 2-1. This area is located largely in the city of Cleveland and is about 10,000 acres. The District's interceptor system serving the Westerly Treatment Plant is shown on Figure 2-1, also. The four major interceptors include the Northwest, Westerly, Walworth Run, and Cuyahoga River (Low Level). A brief description of each of the interceptors follows the general description of the Westerly Service Area below.

2.1 Service Area Characteristics

The Westerly District service area is a predominantly urban catchment with a mixture of land uses. The catchment contains a large industrial section, well-maintained residential areas, and parkland. Sensitive bathing and recreation areas along Lake Erie, the Cuyahoga River, and Rocky River add a unique quality to this sewer service area.

The topography of the Westerly service area is predominantly flat with the only significant ground slopes found along the Lake's shore and the western boundary with Rocky River. However, the sewer system is drained by gravity with pumping stations only serving local low-lying neighborhoods and the flat areas along the Cuyahoga River.

The collection system contains both a combined and separate sewer area. The separate area lies in the Western portion of the service area and comprises about one-third of the drainage area. The combined sewers drain the remaining two-thirds of the catchment.

2.2 Northwest Interceptor

The Northwest Interceptor is comprised of two segments: (1) a upstream segment that conveys dry-weather flows from western portions of the sewershed to the Westerly Interceptor at the intersection of Lake Avenue and West 117th Street and (2) a downstream segment that conveys only wet-weather flow conveyance from near the W. 117th St. and Edgewater Ave. intersection to the Combined Sewer Overflow Treatment Facility (CSOTF).

This lower segment of the Northwest Interceptor, a 20-foot by 9-foot conduit, begins at the District's Combined Sewer Overflow Treatment Facility (CSOTF) located adjacent to the WWTP and proceeds west across lower and upper Edgewater State Park to Edgewater Drive and West Boulevard (pipe size 20' x 9'). The interceptor then proceeds west along Edgewater Drive to West 117th Street and then south along West 117th Street to a location just north of Lake Avenue (pipe size 120").

At West 117th and Detroit Road, the upper segment of the Northwest Interceptor is diverted to the Westerly Interceptor. Thus, all dry weather flow and a portion of the wet

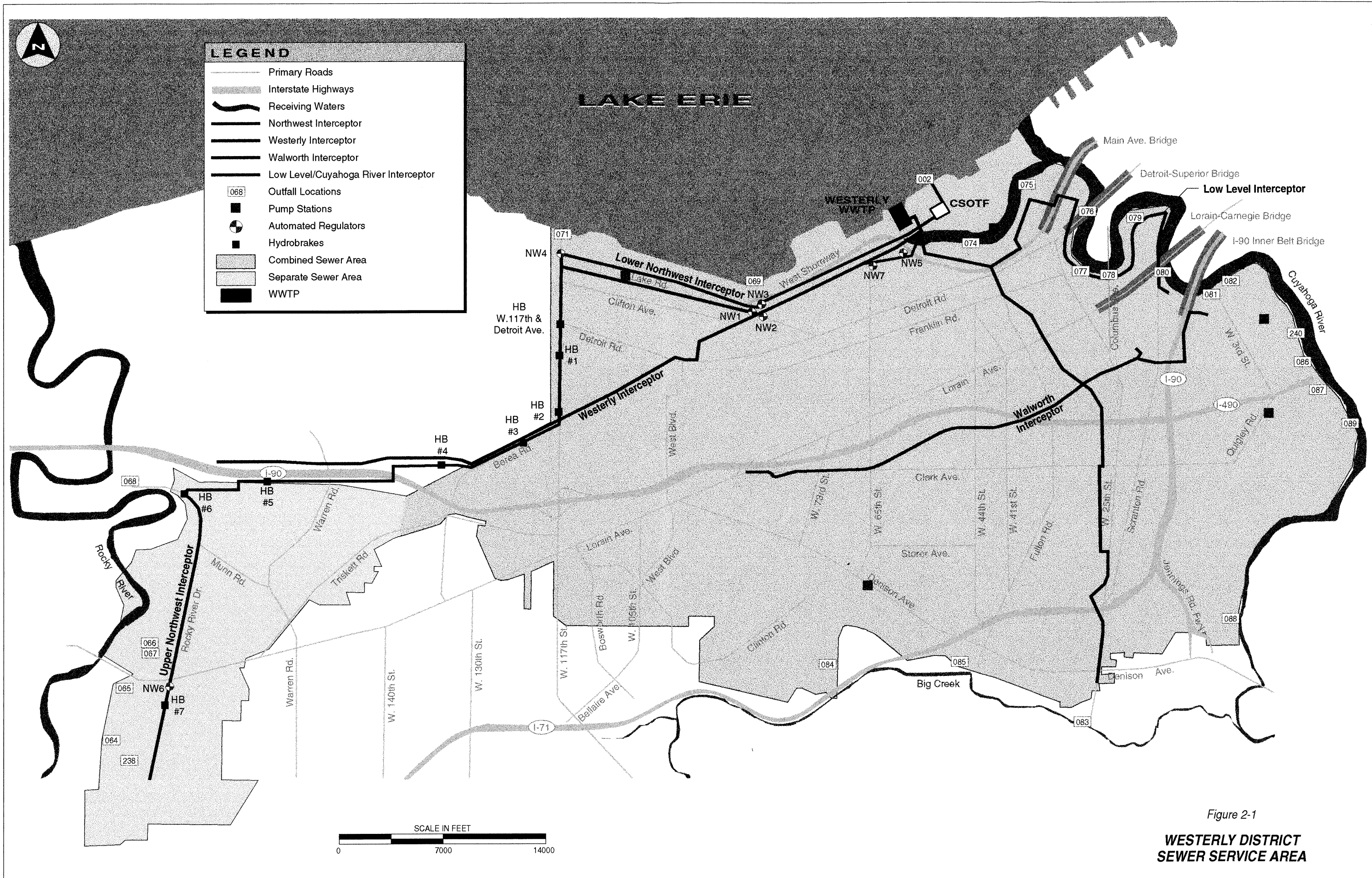


Figure 2-1
**WESTERLY DISTRICT
 SEWER SERVICE AREA**

weather flow from the upper portion of the Northwest Interceptor are conveyed to the Westerly Wastewater Treatment Plant through the Westerly Interceptor rather than the lower Northwest Interceptor.

The upper segment of the Northwest Interceptor begins at the vicinity of West 117th St., south of Lake Avenue (pipe size 30"). The interceptor then proceeds south along the east side of West 117th Street to Berea Road (pipe size 30" to 108"). Along Berea Road, the interceptor runs on the south side southwest to Lakewood Heights Boulevard (pipe size 108"). The interceptor then proceeds along Lakewood Heights Boulevard to Bunts Road, south along Bunts to Marginal Road (south of Interstate 90) and then west along Marginal Road to West 159th Street (pipe size 108"). The interceptor then proceeds south along West 159th Street to Fischer Road, west along Fischer Road to Rocky River Drive and south along Rocky River Drive to Puritas Avenue (pipe size 66" to 108").

2.3 Westerly Interceptor

Beginning at the Westerly Wastewater Treatment Plant, the Westerly Interceptor (pipe size No. 4) proceeds south along the line of West 58th to a point approximately 250 feet north of the intersection of Cass Avenue and West 58th Street. At that point, the interceptor (pipe size 6'-6") continues due west to the railroad tracks. The interceptor heads southwest down the railroad tracks to Lake Avenue (pipe size 3'-8'). At Lake Avenue and the railroad tracks, the interceptor goes northwest up Lake Avenue to West 117th Street (pipe size No. 8 to 8'-6").

At Lake Avenue and the railroad tracks, the Westerly Interceptor continues down Desmond Avenue to approximately West 98th Street (pipe size 9'-6") and then south to Detroit Road (pipe size 7'-9"). At Detroit and West 98th the interceptor (pipe size 6') moves west along Detroit to Berea Road. At Berea and Detroit the interceptor turns southwest down Berea Road to Lakewood Heights Boulevard (pipe size 30" to 5'-9"). Here the interceptor turns west down Lakewood Heights Boulevard and continues to Warren Road (pipe size 24"-5').

2.4 Walworth Run

Main Branch

The Walworth Run Interceptor begins at the Westerly Wastewater Treatment Plant and generally follows the West Shoreway to approximately West 33rd Street (pipe size 5'-6"). The interceptor moves down West 33rd Street to Franklin Boulevard (pipe size 5'-6"). At Franklin and West 33rd the interceptor cuts southeast to Woodbine Avenue and West 32nd St. (pipe size 5'-6"). Continuing southeast, the interceptor crosses Whitman Avenue and through the intersection of Fulton Road and Bridge Avenue (pipe size 5'-6"). From this intersection the interceptor moves down West 32nd to Monroe Avenue (pipe size 5'-6"). From this point the interceptor moves southeast to West 30th Street

and St. Louis Railroad, and then down West 30th to Trowbridge Avenue (pipe size 2'-6" to 10'-3"). Gaining Trowbridge Avenue the interceptor (pipe size 5'-6") moves down Trowbridge to West 25th Street and then down West 25th to Bradwell Avenue (pipe size 21" to 8'-9").

Clark Avenue Branch

From West 30th Street and the St. Louis Railroad, the Walworth run interceptor follows Walworth Run westward to West 55th Street and Walworth Avenue (pipe size No. 5 to 14'-9"). The interceptor then goes down Walworth Avenue to West 65th Street and Clark Avenue (pipe size 8' to 9'-6"). The interceptor then goes west following Clark Avenue to Lorain Avenue (pipe size No. 6 to 6'-6").

Tremont Branch

Beginning at West 30th Street and the St. Louis Railroad the interceptor moves east gaining and following Walworth Avenue to Brevier Avenue (pipe size No. 4 to No. 5). The interceptor goes down Brevier Avenue to Shay Court and then along Kenilworth Avenue, crossing Scranton Avenue, to West 14th Street (pipe size No. 4 to 5'). The interceptor goes up West 14th to the area of University Road, then crosses to Railway Avenue. The interceptor follows Railway Avenue to West 10th Street (pipe size 5').

2.5 Cuyahoga River (Low Level)

Parting from the Walworth Run Interceptor at West 33rd St. and Detroit Avenue, the Cuyahoga River interceptor heads east along Detroit to approximately West 31st Street (pipe size No. 7). Here it turns northeast to West 29th St. and Vermont Avenue and then up West 29th to the Sewage Pumping Station at Division Avenue and West 29th St. (pipe size No. 7). From the pumping station, the interceptor (pipe size 36") follows River Road to Elm Street. From this intersection the interceptor moves down Elm to the Main Street Bridge level and follows the Main Street bridge until it passes Sycamore Street (pipe size 36"). Bisecting the area between Riverbed Street and Sycamore Street the interceptor crosses Winslow Street and moves to Washington Street (pipe size 36"). Upon reaching Washington Street the interceptor heads towards the river to Riverbed Street (pipe size 36"). At Cathan Avenue the line crosses to Detroit Avenue at the Sycamore level. Gaining Detroit Avenue the interceptor follows Detroit, crossing under the Detroit-Superior Bridge and gains Riverbed Avenue (pipe size 36"). The interceptor follows Riverbed Avenue and at Columbus Road follows Carter Road to Scranton Road (pipe size 24" to 5'). From this intersection the interceptor proceeds down Scranton Road to University Road and then down University Road to the area of the Inner Belt Freeway (pipe size 24" to 5').

3.0 COLLECTION SYSTEM MONITORING PROGRAM

The Westerly District Flow and Rainfall Monitoring Program was conducted from April through mid-August, 1997. ADS Environmental Services performed the actual monitoring for the program, while Metcalf and Eddy and Montgomery Watson provided coordination and technical assistance for site selection, meter calibration, and data quality assurance and control. Further description of the flow and rainfall monitoring program is presented in the Sewer System Evaluation Survey Report, dated July 1998.

A total of 106 flow monitors and 7 rain gauges were installed to collect data about the flows in the sewer system and rainfall event information. Figure 3-1 presents the graphical locations of the flow monitors and rain gauges installed for this study. (This large figure can be found folded and placed in the map pocket at the end of this document.) Table 3-1 lists the street locations of flow monitors and rain gauges. Table 3-2 summarizes the rainfall events recorded during the flow monitoring period.

Figure 3-2 shows the coverage of each rain gauge in the Westerly Service Area. The rain gauge coverages were determined using Thiessen's polygon method. The Thiessen polygon method determines the area representation of a rain gauge in a rain gauge network. Thus, for modeling purposes, all sewer-sheds in a rain gauge polygon receive the rainfall recorded at that gauge.

Table 3-1: Flow Meter and Rain Gauge Locations

Flow meter	Location	Description
3054R-I	West 25th Street and Columbus Avenue	Regulator inlet
3056R-I	1719 Willey Avenue	Regulator inlet
3070R-D	West 30th Street and Barber Avenue	Regulator dry weather outlet
3070R-I	West 30th Street and Barber Avenue	Regulator inlet
3090R-D	Train Avenue and Barber Avenue	Regulator dry weather outlet
3090R-I	Train Avenue and Barber Avenue	Regulator inlet
WR10-O	near Sycamore Street and Main Street intersection	Cuyahoga River inflow analysis (water depth only)
CSO-1	3780 Rocky River Drive behind Kamms Plaza	Mixed
CSO-2	Beltline at Jennings Road; Dennison Road bridge north of railroad tracks	Mixed
CSO-3	East of Quigley Road at Cuyahoga River (I-490 drainage)	Mixed
CSO-4	Columbus Road and Riverhead (east of bridge north of Carter Road)	CSO
CSOTF	Westerly Wastewater Treatment Plant - CSO outfall conduit	At CSO treatment facility
Lakewood	Lake Avenue and West 117th Street intersection	Regulator dry weather outlet
LL-1	University Road, east of Scranton Road	Regulator inlet
LL-2	2065 Scranton Road	Regulator dry weather outlet
LL-3	Low Level Interceptor along Riverbed Road, west of Columbus Road	Interceptor
LL-4	1200 Division Avenue	Pump station interceptor
NW1D2D	East of Desmond Avenue & Lake Avenue intersection along railroad tracks	Auto regulator dry weather outlet
NW1-I	Near Lake Avenue and Viking intersection	Auto regulator inlet
NW2-I1	On Desmond Avenue and Lake Road	Auto regulator inlet
NW2-I2	On Lake Avenue and Desmond Road	Auto regulator inlet
NW3-D	North of West Shoreway, in Edgewater Park	Auto regulator dry weather outlet
NW4-D	On Edgewater Drive and West 117th Street intersection	Auto regulator dry weather outlet
NW4-I	On West 117th Street between Lake Avenue and Edgewater Drive	Auto regulator inlet
NW5-D	At West 58th Street, north of Cass Avenue	Auto regulator dry weather outlet
NW5-I	At West 58th Street, north of Cass Avenue	Auto regulator inlet
NW6-D	Rocky River Drive between auto regulator NW6 and Northwest Interceptor	Auto regulator dry weather outlet
NW6-I	Northeast corner of Rocky River Drive and Albers Avenue intersection	Auto regulator inlet
NW7-I	Near West 65th Street and breakwater intersection	Auto regulator inlet
NW8-I	Intersection of West 67th Street and Father Caruso Drive	Auto regulator inlet
NWCA	Westerly Wastewater Treatment Plant	CSOTF Center Channel upstream of gate
NWI-1	Rocky River Drive and Westpark Avenue	Interceptor
NWI-2	1601 West 117th Street	Interceptor
NWI-3	South Marginal Road and Warren Road	Interceptor
NWI-T1	11642 Detroit Avenue	Trunk sewer
PS2	1200 Division Avenue	Pump
PS13	Mary Street at West 4th Street	Pump
PS13-D	Marquardt Avenue at West 7th Street	Pump station discharge line
PS13-O	Overflow conduit from Mary Street Pump Station	Cuyahoga River inflow analysis (water depth only)
QC-1	Westerly Wastewater Treatment Plant	Settled Overflow Channel #1
QC-2	Westerly Wastewater Treatment Plant	Settled Overflow Channel #2
SS-1	4335 Rocky River Drive	Separate sanitary
SS-2	4080 Rocky River Drive	Separate sanitary
SS-3	River Edge Road at Fernshaw Avenue	Separate sanitary
SS-4	3646 Rocky River Drive	Separate sanitary
SS-5	3375 Rocky River Drive	Separate sanitary
SS-6	16307 Edgecliff Drive	Separate sanitary
SS-7	16915 Fischer Road	Separate sanitary
SS-8	3155 Rocky River Drive	Separate sanitary
SS-10	3127 West 159th Street	Separate sanitary
SS-11	3137 West Warren Road	Separate sanitary
SS-12	3271 Warren Road	Separate sanitary
SS-13	3355 Warren Road	Separate sanitary
SS-14	3525 Warren Road	Separate sanitary
SS-15	14301 Montrose Road	Separate sanitary
SS-16	East of West 144th Street, south of I-90	Separate sanitary
STORM-1	Near Lorain Road bridge over the Rocky River	Storm water impacted by CSO
STORM-2	Riveredge Road	Storm water impacted by CSO
STORM-3	18111 Larchwood Road	Storm water impacted by CSO
STORM-4	3700 Ridge Road	Storm water impacted by CSO

Table 3-1: Flow Meter and Rain Gauge Locations

Flow meter	Location	Description
STORM-5	Laverne Road and West 168th Street	Storm water impacted by CSO
UO-1	17401 Woodbury Avenue	Sanitary in Over/Under sewer system
UO-1ST	17401 Woodbury Avenue	Storm in Over/Under sewer system
UO-2	16602 Westpark Avenue	Sanitary in Over/Under sewer system
UO-2ST	16603 Westpark Avenue	Storm in Over/Under sewer system
UO-3	15215 Triskett Road	Sanitary in Over/Under sewer system
UO-3ST	15215 Triskett Road	Storm in Over/Under sewer system
UO-4	3573 Warren Road	Sanitary in Over/Under sewer system
UO-4ST	3574 Warren Road	Storm in Over/Under sewer system
UO-5	15618 Munn Road	Sanitary in Over/Under sewer system
UO-5ST	15618 Munn Road	Storm in Over/Under sewer system
UO-6	16205 Munn Road	Sanitary in Over/Under sewer system
UO-6ST	16205 Munn Road	Storm in Over/Under sewer system
UO-7	3118 West 159th Street	Sanitary in Over/Under sewer system
W5B-D	West 45th Street ramp off West Shoreway (behind guardrail)	Regulator dry weather outlet
W5B-I	West 45th Street ramp off West Shoreway (behind guardrail)	Regulator inlet
WR12A-D	Mulberry Street at River Road	Regulator dry weather outlet
WR12A-I	Mulberry Street at River Road	Regulator inlet
WR27A-D	University Avenue at West 7th Street	Regulator dry weather outlet
WR27A-I	West 10th Street at West 7th Street and University Avenue	Regulator inlet
WR27-I	2151 Scranton Road	Regulator inlet - "Big Walworth"
WR34-O	3636 West 25th Street	Regulator wet weather outlet
WR42-O	Lorain Road and West 83rd Street	Flow divider wet weather outlet
WR5-D	West 7th Street at Quigley Road (east of intersection)	Regulator dry weather outlet
WR5-I	West 7th Street at Quigley Road (east of intersection)	Regulator inlet
WR9-D	Intersection of Detroit Avenue, Center Street and Riverbed Avenue	Regulator dry weather outlet
WR9-I	Intersection of Detroit Avenue, Center Street and Riverbed Avenue	Regulator inlet
WST-1	13333 Lakewood Heights Boulevard	Interceptor
WST-2	Berea Road at West 117th Street	Interceptor
WST-3	11600 Berea Road	Interceptor
WST-4	10109 Detroit Avenue	Interceptor
WST-5	11526 Lake Avenue (at West 116th Street)	Interceptor
WST-6	1240 West 58th Street	Interceptor
WST-T1	2181 West 117th Street	Trunk sewer
WST-T2	1463 West 98th Street	Trunk sewer
WST-TB1	3131 West 98th Street	Secondary trunk sewer
WST-TB2	On West 85th Street at Madison Avenue	Secondary trunk sewer
WWR-1	West 25th Street and Trowbridge Avenue	Interceptor
WWR-2	Clark Avenue at West 88th Street	Interceptor
WWR-3	6614 Clark Avenue	Interceptor
WWR-4	Intersection of West 53rd Street and Walworth Avenue	Interceptor
WWR-6	Northeast of Train Avenue and West 30th Street intersection	Interceptor
WWR-7	On West Shoreway, east of West 58th Street	Interceptor
WWR-T1	Trowbridge Avenue and West 31st Street	Trunk sewer
WWR-T2	Junction Road, south of Walworth Avenue	Trunk sewer
WWR-T4	2597 West 41st Street	Trunk sewer
WWTP	Westerly Wastewater Treatment Plant	Influent Channel #1
WWTP2	Westerly Wastewater Treatment Plant	Influent Channel #2

Rain Gauge	Location
RG1	Westerly Wastewater Treatment Plant
RG2	Mary Street Pump Station
RG3	4316 Clark Avenue; Fire Station #24
RG4	4525 Rocky River Drive; Fire Station #43
RG5	15637 Lorain Avenue; Fire Station #39
RG6	9826 Madison Avenue; Fire Station #23
RG7	3544 West 117th Street; Fire Station #33
RG8	Division Avenue Pump Station (District installed)

Summary of Rainfall Events During the Flow Monitoring Period.

DATE	Gauge #1		Gauge #2		Gauge #3		Westerly Rain Gauge		Gauge #5		Gauge #6		Gauge #7	
	Storm Volume (in.)	Approximate Duration (hrs:min)	Storm Volume (in.)	Approximate Duration (hrs:min)	Storm Volume (in.)	Approximate Duration (hrs:min)	Storm Volume (in.)	Approximate Duration (hrs:min)	Storm Volume (in.)	Approximate Duration (hrs:min)	Storm Volume (in.)	Approximate Duration (hrs:min)	Storm Volume (in.)	Approximate Duration (hrs:min)
5/31 - 6/1/97	2.12	36:00	2.36	36:00	2.68	36:00	2.22	36:00	2.9	37:00	2.71	36:00	2.71	36:00
4/12/1997	0.96	17:00	0.96	17:00	0.96	17:00	1.12	16:00	1.12	16:00	1.2	15:00	1.1	16:00
8/16 - 8/17/97	0.95	18:00	1.3	18:00	1.37	18:00	1.98	18:00	2.31	19:00	1.28	18:00	1.64	18:00
5/18 - 5/19/97	0.92	27:00	1.07	26:00	0.81	23:00	0.86	23:00	0.99	23:00	0.94	28:00	0.87	23:00
6/2/1997	0.89	7:00	1.16	6:00	0.78	6:00	0.84	6:00	1.29	6:00	1.06	7:00	1.06	7:00
5/25/1997	0.72	13:00	0.9	17:00	0.87	14:00	0.87	12:00	0.88	13:00	0.83	14:00	0.83	14:00
8/3 - 8/4/97	0.68	15:00	0	0:00	0.62	15:00	0.14	15:00	0.61	15:00	0.6	15:00	0.8	15:00
7/3/1997													0.66	1:00
5/5/1997	0.63	6:00	0.59	6:00			0.4	7:00	0.56	8:00	0.61	6:00	0.55	6:00
3/25/1997							0.51	22:00	0.51	22:00	0.57	23:00	0.57	23:00
8/12 - 8/13/97	0.39	7:00	0.42	7:00	0.46	7:00	0.4	6:00	0.42	6:00	0.54	7:00	0.49	7:00
4/27 - 4/28/97	0.36	10:00	0.42	11:00	0.46	11:00	0.42	10:00	0.53	11:00	0.49	10:00	0.45	10:00
5/29/1997	0.36	7:00	0.42	9:00	0.41	7:00	0.33	10:00	0.39	14:00	0.38	7:00	0.38	7:00
5/3/1997	0.3	12:00	0.37	15:00			0.37	15:00	0.37	15:00	0.36	14:00	0.36	15:00
3/29/1997	0.3	14:00	0.3	14:00	0.3	14:00	0.25	10:00	0.25	10:00	0.33	10:00	0.33	10:00
6/21/1997	0.27	2:00	0.35	3:00	0.33	2:00	0.56	3:00	0.5	4:00	0.39	2:00	0.39	2:00
8/11/1997	0.27	10:00	0.33	10:00	0.47	11:00	0.54	12:00	0.44	10:00	0.3	10:00	0.42	10:00
7/21/1997	0.26	5:00											0.12	5:00
7/2/1997	0.25	1:00											0.02	1:00
7/9/1997	0.25	4:00											0.41	9:00
8/15/1997	0.25	2:00	0.41	1:00	0.42	2:00	0.37	2:00	0.39	2:00	0.16	2:00	0.38	3:00
3/30/1997	0.25	10:00	0.25	10:00	0.25	10:00	0.27	8:00	0.27	8:00	0.31	12:00	0.31	12:00
4/16 - 4/17/97	0.23	35:00	0.23	35:00	0.23	35:00	0.4	35:00	0.4	35:00	0.32	39:00	0.31	34:00
7/26/1997	0.23	3:00											0.44	4:00
6/25/1997	0.21	3:00	0.35	3:00	0.39	3:00	0.51	4:00	0.59	4:00	0.42	4:00	0.42	4:00
5/10/1997	0.19	6:00	0.29	6:00					0.31	6:00	0.21	6:00	0.26	5:00
5/8/1997	0.19	10:00	0.24	11:00			0.16	7:00	0.17	10:00	0.23	10:00	0.16	6:00
6/12/1997	0.18	3:00	0.31	6:00			0.03	2:00	0.06	3:00	0.27	4:00	0.27	4:00
4/22/1997	0.18	9:00	0.18	9:00	0.18	9:00	0.21	10:00	0.21	10:00	0.23	9:00	0.24	10:00
7/1/1997	0.18	3:00											0.3	10:00
6/3/1997	0.17	4:00	0.17	5:00	0.14	5:00	0.17	5:00	0.25	12:00	0.21	4:00	0.21	4:00
6/16/1997	0.17	6:00	0.47	9:00	0.37	6:00	0.17	7:00	0.18	6:00	0.24	7:00	0.24	7:00
7/14/1997													0.2	1:00
6/30/1997	0.14	1:00	0.14	2:00			0	0:00	0.01	1:00	0.02	1:00	0.02	1:00
6/13/1997	0.12	7:00	0.09	5:00			0.18	3:00	0.19	3:00	0.15	3:00	0.15	3:00
8/17/1997	0.12	4:00	0.2	4:00	0.2	4:00	0.25	4:00	0.22	3:00	0.2	4:00	0.21	5:00
5/1/1997	0.11	5:00	0.13	5:00	0.09	7:00	0.11	5:00	0.14	5:00	0.18	5:00	0.15	5:00
5/2/1997	0.11	8:00	0.14	6:00			0.11	6:00	0.13	6:00	0.13	6:00	0.13	6:00
5/30/1997	0.11	5:00	0.09	5:00	0.1	4:00	0.2	7:00	0.2	9:00	0.12	7:00	0.12	7:00
4/23 - 4/24/97	0.1	6:00	0.1	6:00	0.09	5:00	0.21	6:00	0.2	6:00	0.12	6:00	0.21	8:00
6/19/1997	0.08	1:00	0.55	2:00	0.44	1:00	0.28	2:00	0.32	1:00	0.61	2:00	0.61	2:00
5/15/1997	0.07	5:00	0.12	5:00					0.14	6:00	0.11	5:00	0.12	7:00
6/18/1997	0.06	6:00	0.11	11:00	0.1	11:00	0.11	11:00	0.11	11:00	0.11	11:00	0.11	11:00
8/9/1997	0.03	1:00	0.13	2:00	0.19	2:00	0	0:00	0	0:00	0.03	2:00	0.07	2:00

Blank cells mean data were missing or not available.

* No data is present on the CD-rom for gauges 1,2, and 3.

** ADS considered this event as 2 separate rain events.

Table 3-2: Summary of Rainfall Events During the Flow Monitoring Period

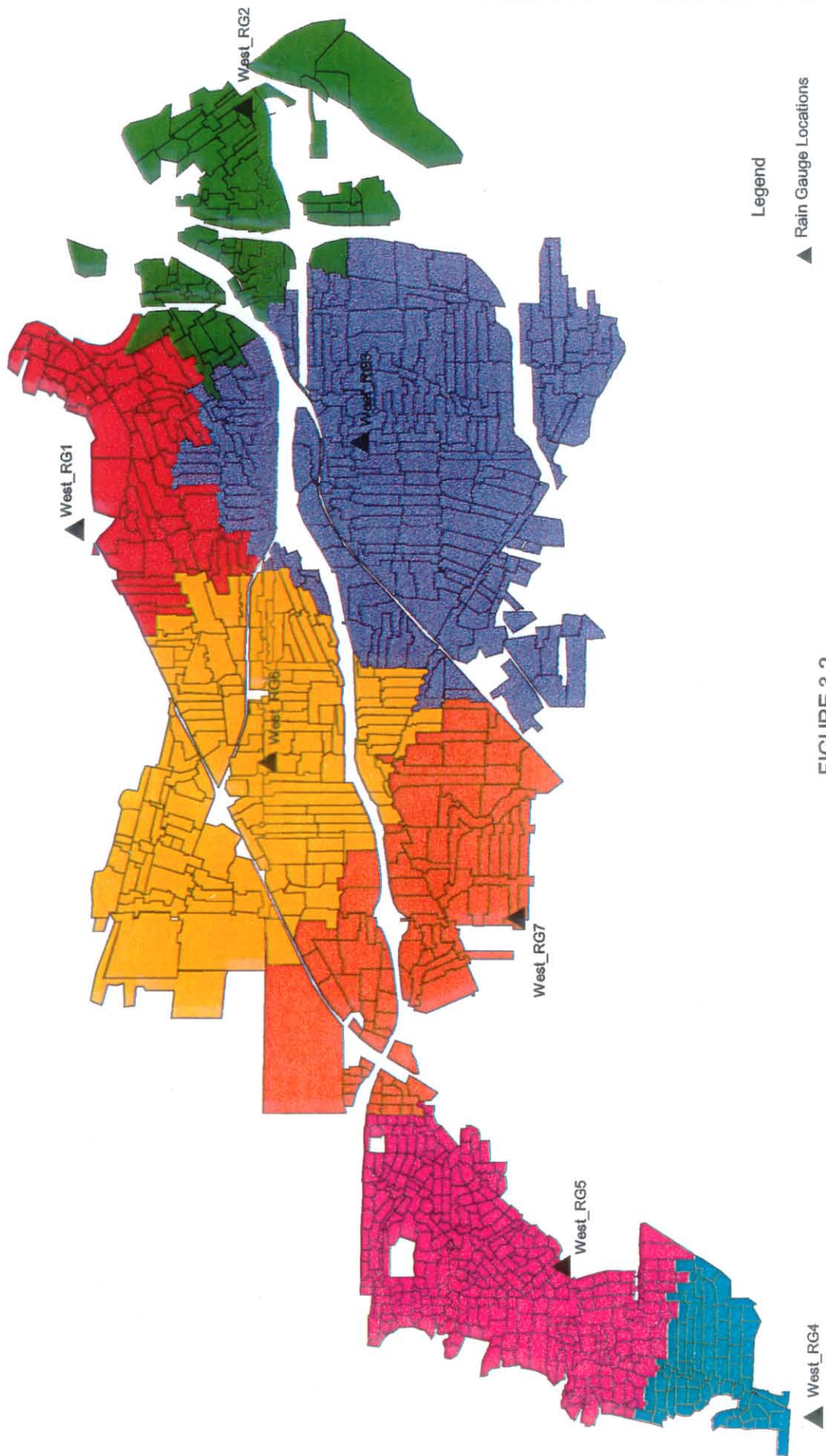


FIGURE 3-2
DISTRIBUTION OF RAINFALL
BASED ON RAIN GAUGE LOCATIONS
WESTERLY DISTRICT
PHASE II FACILITIES PLAN

4.0 COLLECTION SYSTEM MODEL DEVELOPMENT

4.1 Model Choice and Description

Phase I study modeling of the Westerly District was performed with Storm Water Management Model (SWMM) for the combined area and contained only the interceptors and some tributary trunk sewers. This study-level modeling was not sufficiently detailed to adequately simulate the dynamic nature of the Westerly Collection System, specifically the automated regulators. For the Phase II study, HydroWorks, a commercially available hydraulic collection system model, was chosen to evaluate the Westerly District. HydroWorks was selected specifically because hydraulic structures operated by Real Time Control (RTC) can be explicitly modeled. This was an important consideration given the plethora of control structures in the Westerly collection system, including the Combined Sewer Overflow Treatment Facility (CSOTF) and 7 automated regulators with Fabridams.

4.2 Model Development Approach

For SSES and modeling projects, data management has been a tedious and difficult task in the past. For the Westerly CSO Facilities Plan, data was managed through the use of ArcView® Geographic Information Systems (GIS) and associated databases. Many sources of data were used to define the sewer system: City of Cleveland sewer maps, orthophotos, entry and non-entry manhole inspections, and other information. All of the data sources were used to inventory, characterize, and hydraulically evaluate (model) the sewer systems tributary to the Westerly Wastewater Treatment Center. A separate document is being prepared and will explain the data management tools developed for the Westerly CSO Facilities Planning Project. However, the following paragraphs provide some brief information.

Data Management

ArcView® holds information in three associated files (*.shp, *.shx, *.dbf). The shape file (*.shp) stores all the graphic information for each individual graphic object (point, line, polygon). The index file (*.shx) holds links between graphics and databases. The database file (*.dbf) holds all the information associated with a graphic object. For instance, a line represents a pipe; thus, the information contained in the database file includes pipe shape, diameter, length, material, slope, invert, etc.

The data for the sewer system modeling resides in four associated files:

-
1. WS1NODE.*** contains manhole information, including ground surface elevations;
 2. WS1LINK.*** contains pipe information, including shape, size, material, and invert elevations;
 3. WS1AREA.*** contains information about the sewer-sheds and their hydrologic characteristics;
 4. WS1CONT.*** contains information about control structures such as weirs, orifices, pump stations, automated regulators, and HydroBrakes; and

ArcView® Tools

Several tools were developed to facilitate the management of the GIS and databases for this project. Specifically, a stand-alone data entry program was written that interacts with the ArcView® data tables and eases the data entry process. This program generates an interactive form that mimics the manhole inspection forms used by the field inspection crews. Hydraulic data, necessary for modeling, also are entered via the form. Thus, all sewer data for the project are held in a family of database tables, linked and fully accessible through the program. This program is called the Sewer Asset Manager (SAM) and was specifically developed for the Westerly CSO project to facilitate data entry. In addition, SAM will be made available to the District for querying and modifying the sewer data in the GIS, once this study is completed.

Besides SAM, other tools were developed to aid the modeling process. These include:

- downstream and upstream tracing tools for checking connectivity;
- area delineation tools for delineating sewer-sheds; and
- a sewer profile drawing tool for validating the sewer data.

Except for the sewer profile drawing tool, all tools will be provided to the District with the closure of this project.

4.3 Definition of Sewer Network for Modeling

Prior to the development of the collection system model, the portion of the system to be modeled was determined. The GIS mapping database developed through the Sewer System Evaluation Survey (SSES) portion of the Westerly District Phase II Facilities Planning Project was used to define the extent of the entire collection system. Then, the sewer network for modeling was defined using the following criteria:

- Combined Sewer Interceptors: Westerly, Walworth Run, Northwest, and Cuyahoga River (Low Level);
- All combined sewer trunk lines downstream of static flow dividers or regulators (regardless of diameter);

-
- Combined sewer trunk lines and tributary lines in special areas of concern (for example, upstream of flooding areas or bottlenecks);
 - Overflow pipes from the flow divider, static regulator, or automated regulator to the discharge point (either a downstream point in the system or the receiving water);
 - Separate sanitary sewers in the over / under areas greater than or equal to 8 inches in diameter, and the storm sewers above these sanitary pipes;
 - Stormwater pipes in the over / under areas that discharge to the receiving water.
 - The Westerly Wastewater Treatment Center and CSOTF.
 - Major stormwater discharge routes to the receiving water from the separate sanitary areas.
 - Any portion of the system needed to insure accurate modeling of the automated regulators and other control structures, particularly if the time of concentration from an area affected regulator operation.

Based on the selection criteria, the sewer network for modeling included all pipes in the separate sanitary areas and pipes 24" in diameter and larger in the combined sewer area.

4.4 Model Simplification

Advances in both computer hardware and software technology have limited the need for simplified models due to long simulation times and disk space limitations. Information is available in the GIS to include every pipe in the sewer network as defined for modeling. However, some model simplifications have virtually no effect on the model results and were made to the Westerly model to reduce its complexity. One such simplification is the elimination of "through" manholes, where the pipe diameter and slope remain the same and no new flows are added to the system. The following criteria were used to determine the necessity of manholes (nodes) in the model network:

- All manholes that receive hydraulic loads from contributing areas;
- All junction manholes at junctions;
- All manholes where pipe shapes change from upstream to downstream;
- All manholes where the pipe sizes change from upstream to downstream;
- All manholes where the pipe gradient changes between the upstream pipe and downstream pipe;
- All manholes where flow monitors were installed;
- All manholes upstream and downstream of flow monitors;
- All manholes receiving hydraulically loaded with industrial flows in the model;
- All manholes containing control structures, such as pumping stations, regulators, tanks, etc.;
- All manholes with steps in invert level between the incoming and outgoing pipes (within 0.2 feet) (ensures that the correct gradients are used in the model and that and hydraulic restrictions are not simplified out of the model).

The Westerly model was simplified to a network containing 2,833 nodes, 2,861 links, 37 outfalls, and 224 controls (including weirs, invert plates, HydroBrakes, automated regulators, and pumping stations). Figure 4-1 shows the simplified sewer network that was modeled. (This large figure can be found folded and placed in the map pocket at the end of this document.)

4.5 Delineation of Sewer Basins and Contributing Area

When developing a collection system model, sewer basins are used to determine the amount of flow that enters the sewer system. These basins are used to determine both the population tributary to the sewer system at various locations and the potential area from which the sewer system receives runoff flows. For the Westerly Collection system model, 1,327 sewer basins were defined to represent flows from the Westerly Service Area.

The primary factor considered for delineating contributing areas was the time of concentration or the amount of time taken for rainfall to hit the ground, runoff, and enter the sewer. If drainage areas are too large, model simulations will not reflect the time of concentration. Generally, the following items are considered when drainage areas are delineated:

- Ground surface contours that affect overland flow;
- Natural boundaries, such as rivers;
- Streets, highways and railroads;
- Property boundaries; and
- The extent of the collection system in the area.

Table 4-1 briefly summarizes the types and numbers of drainage areas delineated for the Westerly District along with a few relevant statistics typically reported for drainage areas. Appendix A contains the full table of drainage areas and the hydrologic parameters determined for each area. The hydrologic parameters are discussed later in this chapter.

In the separate sanitary area, two areas were drawn, one on top of the other (exact replicas), to represent the sanitary flow and rainfall-induced infiltration into the sanitary pipe and the runoff into the storm pipes. The “sanitary” area produces rainfall-induced infiltration / inflow for the sanitary sewer and the “storm” area produces runoff for the storm sewer. This ensured that no more than 100 percent of an area drained into the sewer network. Figure 4-1 also shows the delineated drainage areas for the Westerly Collection System model.

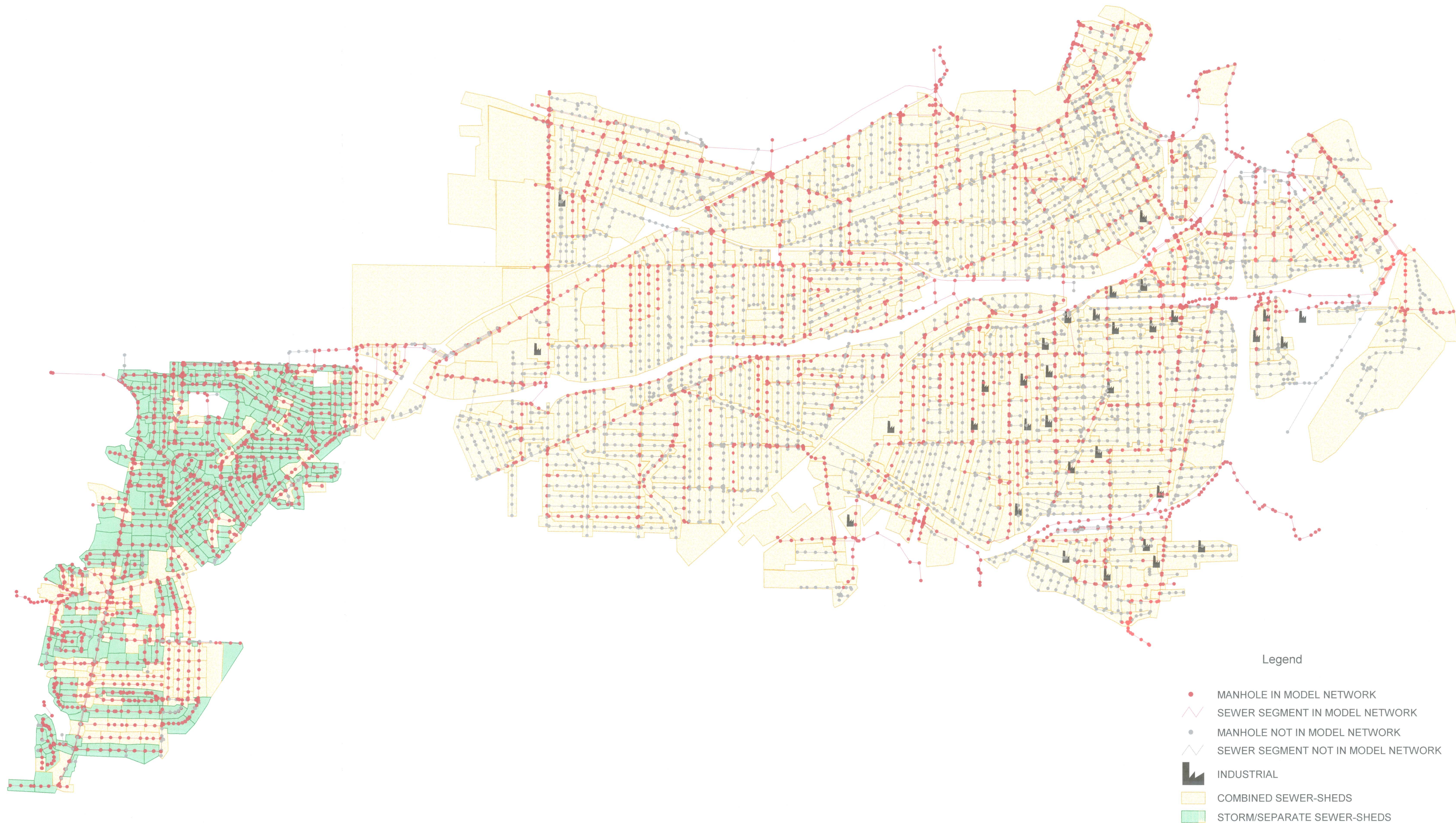


Table 4-1. Drainage Areas for the Westerly Collection System Model

Area Type	No. of Areas	Total Area (Acres)	Population	Area-Weighted Percent Impervious	Area-Weighted Percent Pervious	Total
Combined	648	7,440	126,205	56	40	96
Sanitary	341	1,318	28,643	5	11	100
Storm	338	1,318	-	51	33	
Note: The sanitary and storm areas are duplicated, thus the sum of their percentages equals 100 percent. When the combined areas were delineated, some large areas near the waterfronts were included that drain directly to the watercourses rather than to the combined sewer system. Therefore, less than 100 percent of some of the combined areas is tributary to the collection system.						

4.6 Dry Weather Flow

Dry weather flows in the collection system are comprised of three distinct components: wastewater, infiltration, and river or lake inflow. Wastewater includes sanitary flows generated by population water usage and includes commercial and industrial wastewater. Infiltration results from groundwater entering the collection system through cracks in the pipes, joints, and manholes. The dry weather infiltration also can result from broken water supply mains. River and lake inflow to the collection system occurs when the water level in the river or lake rises above the invert level of an outfall pipe or the crest elevation of a weir.

Wastewater Flows

The wastewater or sanitary component of dry weather flow was determined using population data, per capita wastewater generation rates, and billing records of industrial and commercial sewer customers. In addition to the amount of wastewater generated, the diurnal pattern of flow was determined using flow monitoring data.

Base Flow Development for Residential Land Uses

1990 Census Population data for the Westerly District service area was obtained as a TIGER Line 95 GIS coverage from the United States Department of Commerce Bureau of the Census. This coverage when “intersected” with the sewer basin coverage provides population estimates for each sewer basin by land use classification including residential and commercial / industrial. The model then uses this population estimate, together with a per capita wastewater generation estimate to determine wastewater flows from each sewer basin. The wastewater generation rates used for residential

areas in this study were 115 gallons per capita per day and 150 gallons per capita per day. These two per capita wastewater generation rates reflected different water usage among the residential areas. This topic is discussed in further detail under “Diurnal Flow Pattern Development within this section.

Base Flow Development for Industrial/Commercial Land Uses

Major industrial and commercial flows were determined by inspection of sewer billings. Facilities discharging more than about 23,000 gallons of wastewater per day were included as additional wastewater flow inputs to the model. For these 33 industries, artificial sewer basins with a small (insignificant) population were created to simulate industrial flows.

An artificial population with a high per capita wastewater generation rate was used to represent the industrial flows in each of these artificial sewer basins. These flows are uniformly distributed to simulate weekday working hour periods. A constant industrial per capita wastewater generation rate (23,000 gallons per capita per day) was used to simulate the anticipated total daily flow from the facilities. The anticipated daily flows were obtained from discharge permits. Table 4-2 presents the artificial populations, the model simulated flows, the actual industrial permitted flows, and their input locations.

Table 4-2. Industrial Flows to the Westerly Collection System

Area Ref. Number	Input Manhole Identifier	Artificial Population⁽¹⁾	Simulated Model Flow (mgd)	Permitted Industrial Flow (mgd)
1313	CL83749301	1	0.023	0.024
1325	CL78763601	1	0.023	0.029
1311	CL847966J1	1	0.023	0.030
1317	CL79779601	1	0.023	0.031
1318	CL84730001	1	0.023	0.031
1316	CL82723201	1	0.023	0.033
1309	CL82793602	2	0.046	0.041
1302	CL80768601	2	0.046	0.042
1314	CL81754301	2	0.046	0.046
1310	CL87794801	2	0.046	0.049
1305	CL82754601	2	0.046	0.053
1321	CL81807301	2	0.046	0.053
1304	CL82793401	2	0.046	0.054
1307	CL79746601	2	0.046	0.054
1326	CL74738401	3	0.069	0.070
1324	CL80797001	3	0.069	0.071
1315	CL84790001	4	0.092	0.081
1303	CL84720701	4	0.092	0.085
1320	CL78776701	4	0.092	0.097
1319	CL81724301	7	0.161	0.150

Area Ref. Number	Input Manhole Identifier	Artificial Population ⁽¹⁾	Simulated Model Flow (mgd)	Permitted Industrial Flow (mgd)
1323	CL87791601	7	0.161	0.152
1333	CL84720401	9	0.207	0.200
1308	CL79787501	9	0.207	0.203
1335	CL66831401	12	0.276	0.270
1322	CL86798301	14	0.322	0.312
1332	CL80777901	17	0.391	0.400
1338	CL838265J1	20	0.460	0.450
1312	CL83809302	23	0.529	0.531
1306	CL82783101	34	0.782	0.780
1336	CL65795101	35	0.805	0.800
1334	CL82803403	57	1.311	1.300
1331	CL88790901	170	2.415	3.900
1337	CL76761501	174	4.002	4.000

⁽¹⁾ Industrial flows are generated by an artificial population and per capita flow rate.

Diurnal Flow Pattern Development

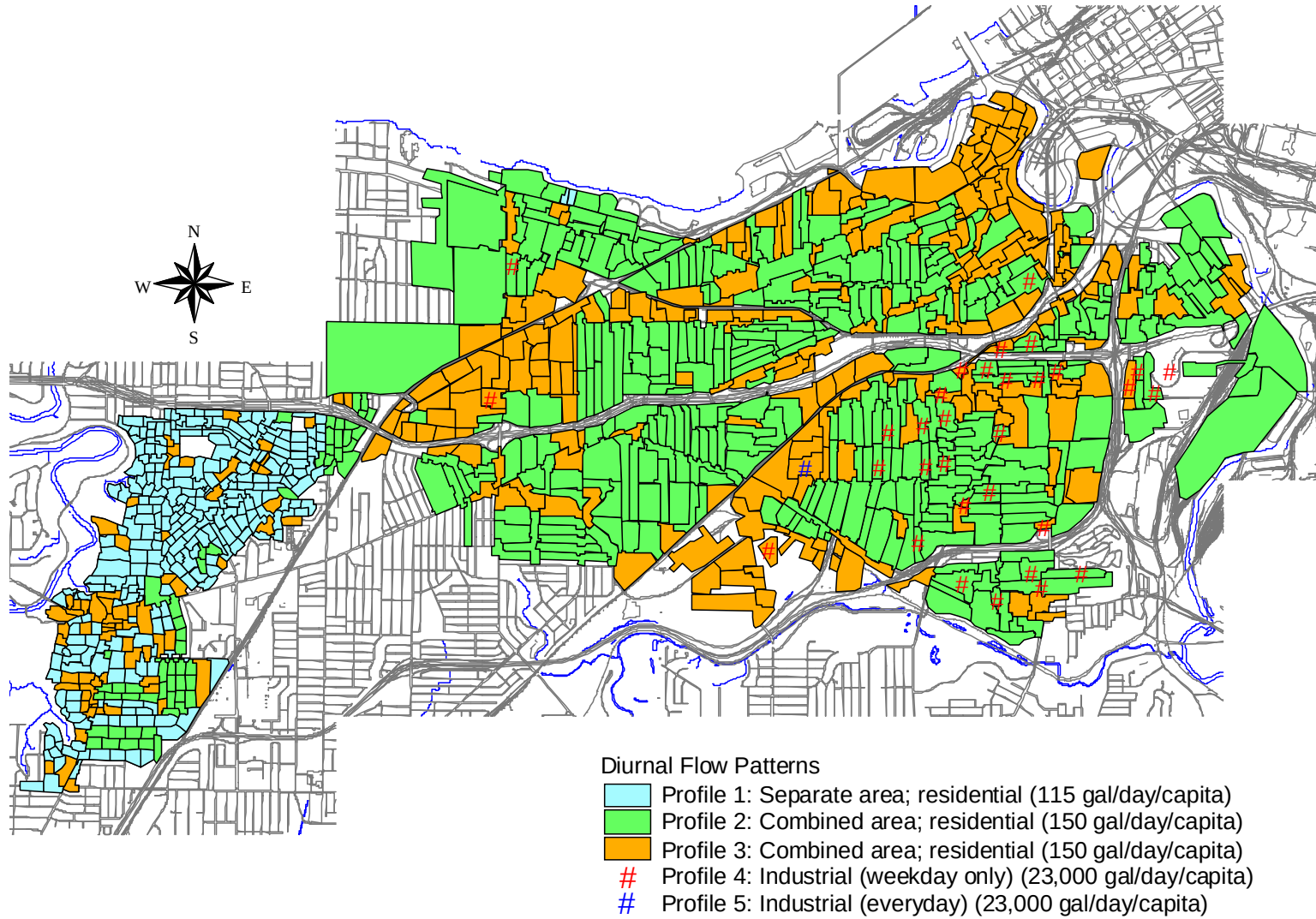
Diurnal flow patterns are important because wastewater flows can vary from 60 percent to 130 percent of the average daily wastewater flow depending upon the time of day. The required data to determine the diurnal patterns include a per-capita flow rate and ratios of the flow at specific times of the day versus the average daily flow for both the weekday and weekend. These data were derived from the flow monitoring data collected for this study. As shown in Table 4-3, five diurnal patterns or profiles were used to represent the diurnal wastewater flows. Three of these profiles reflected the different types of housing in the combined and separate areas. The remaining two reflected industrial wastewater generation including industries that operate only on weekdays and those that operate both weekdays and weekends. By defining the diurnal patterns observed in the collection system, the model simulates a more realistic wastewater flow based on the time of day or the day of the week. Figure 4-2 shows the areas defined under each diurnal flow pattern and their corresponding base flow. Figures 4-3 through 4-12 present the weekday and weekend diurnal patterns for the 3 housing and 2 industrial land use types.

Table 4-3. Diurnal Flow Pattern (Profile) Descriptions

Profile	Description
1	Separate area; residential
2	Combined area; residential
3	Combined area; residential
4	Industrial (week day only)
5	Industrial (week days and weekends)

The HydroWorks model uses two files to manage the wastewater flows: the Wastewater Generator file (WWG) and the Land Use Definition file (LUD). The Wastewater Generator file contains the per capita wastewater generation rates and diurnal curves for different land use definitions. The Land Use Definition file contains information about the representative land use types such as the three housing and two industrial types found in the Westerly Service District. Additional information about how HydroWorks uses these two files is found in the Engineer's Guide in the program's help menu.

Figure 4-2 Areas Under Each Diurnal Profile



Note: Figure 4-3 and 4-4 profiles are based upon a population-generated flow of 115 gallon per capita per day (gpcd)

Figure 4-3. Weekday Dry Weather Profile 1

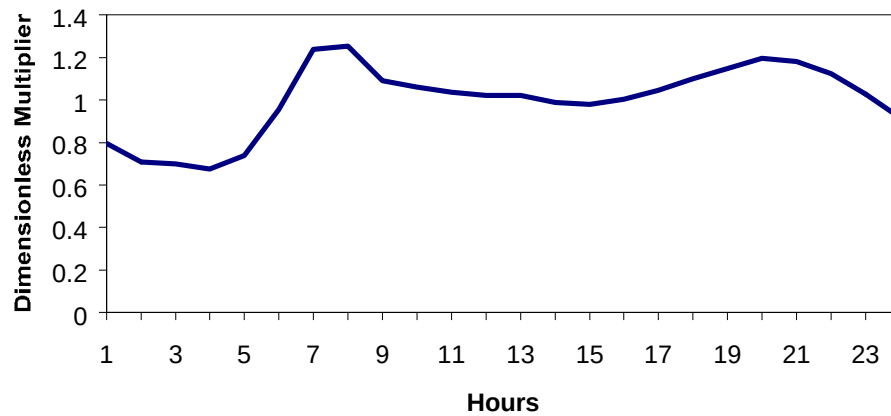
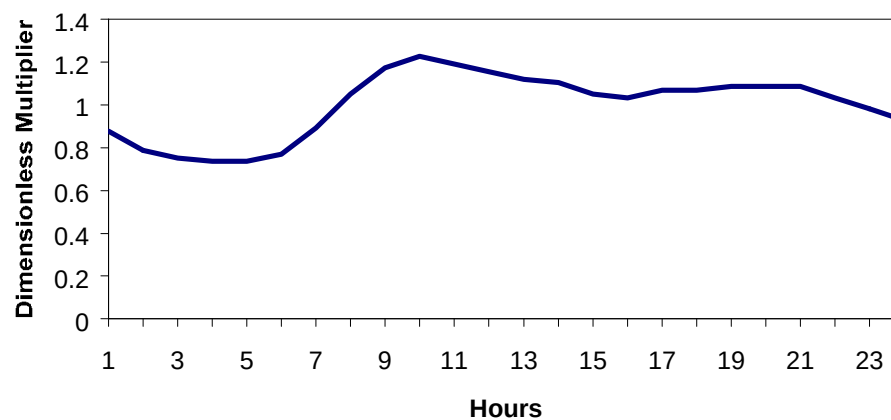
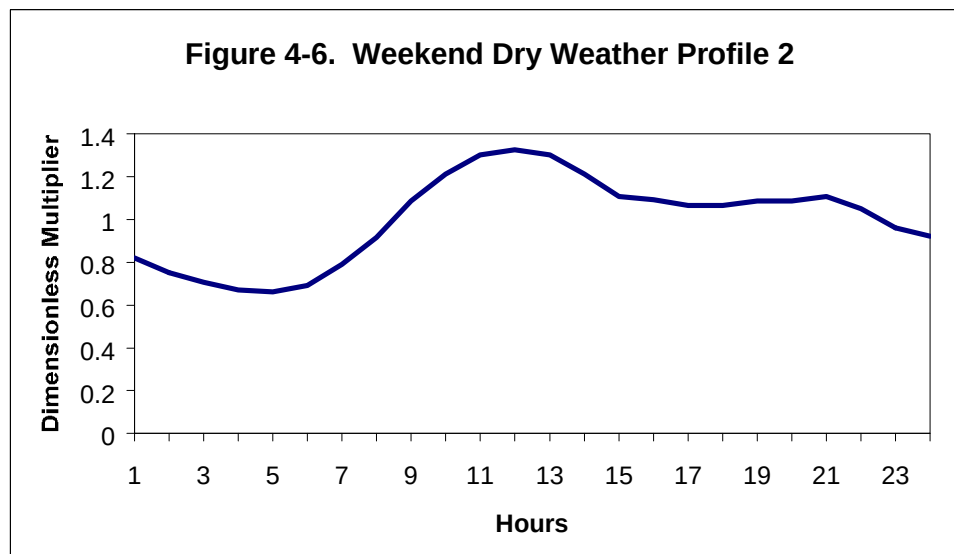
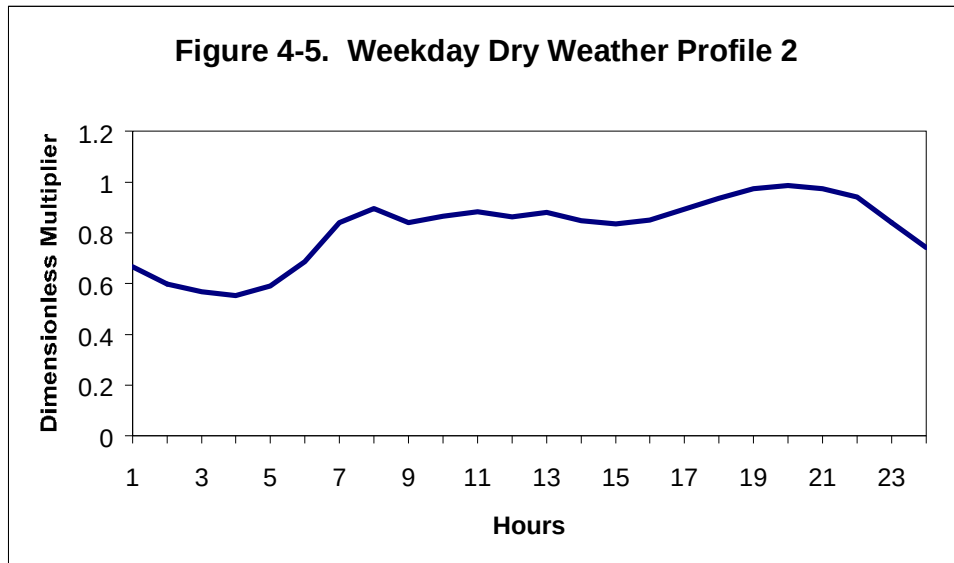


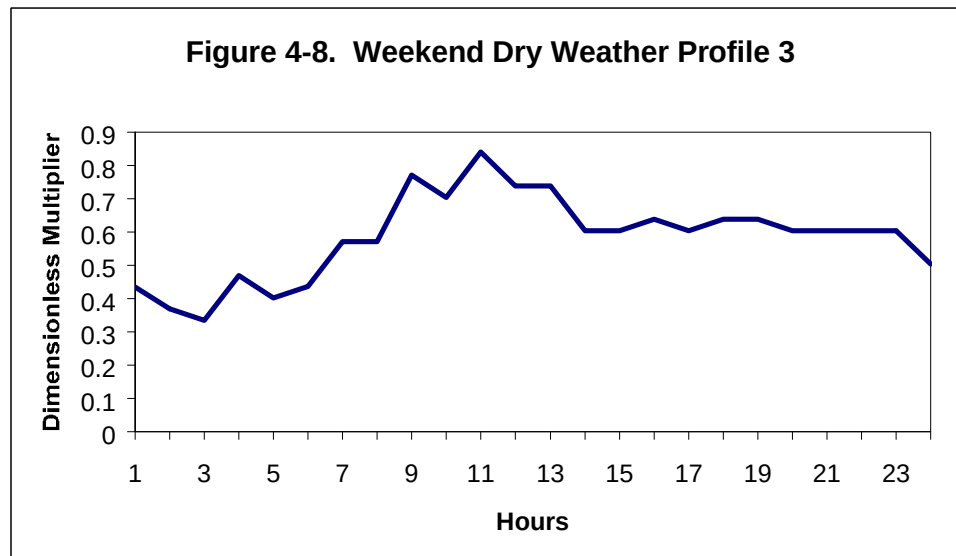
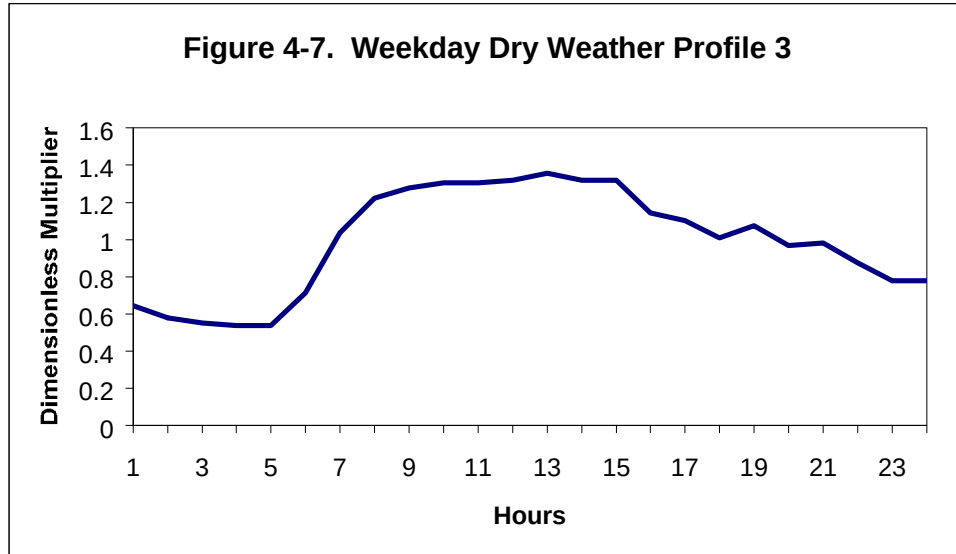
Figure 4-4. Weekend Dry Weather Profile 1



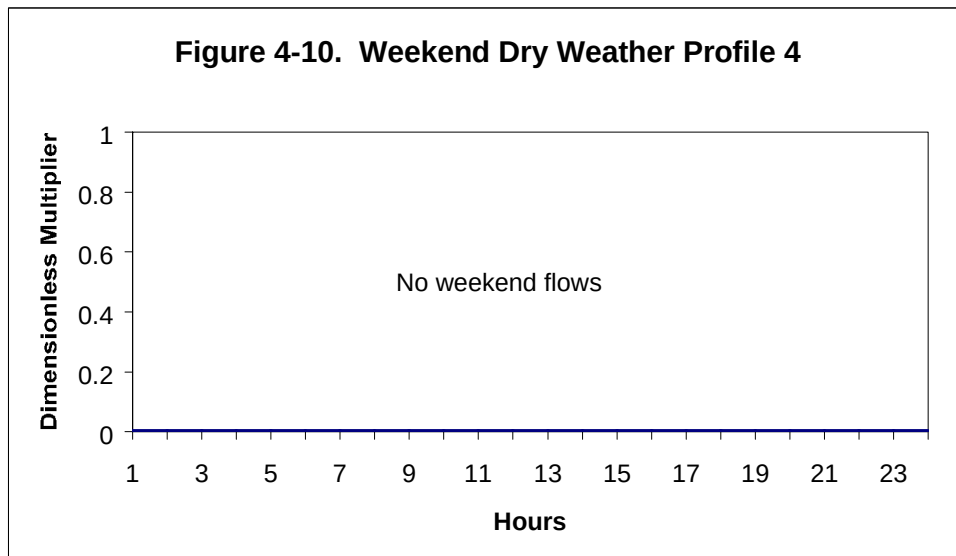
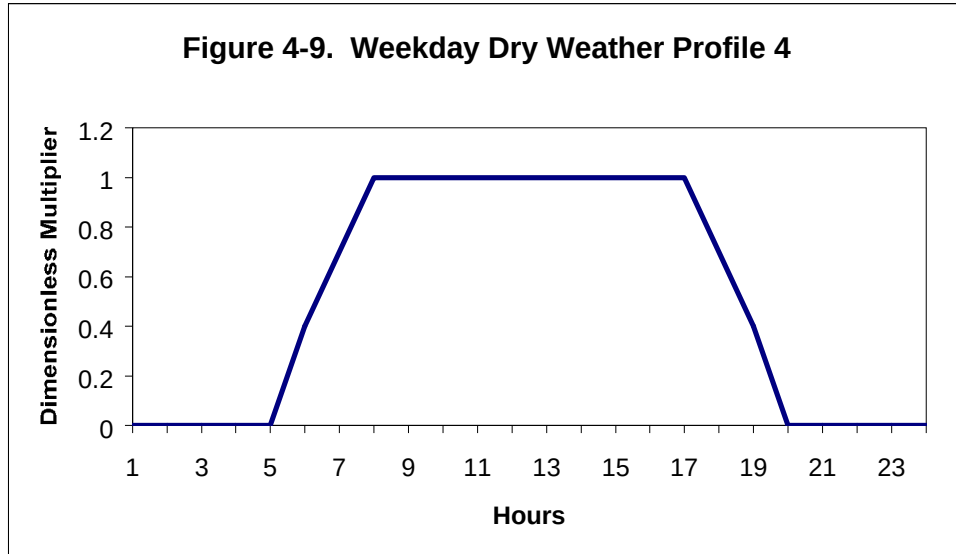
Note: Figure 4-5 and 4-6 profiles are based upon a population-generated flow of 150 gallon per capita per day (gpcd)



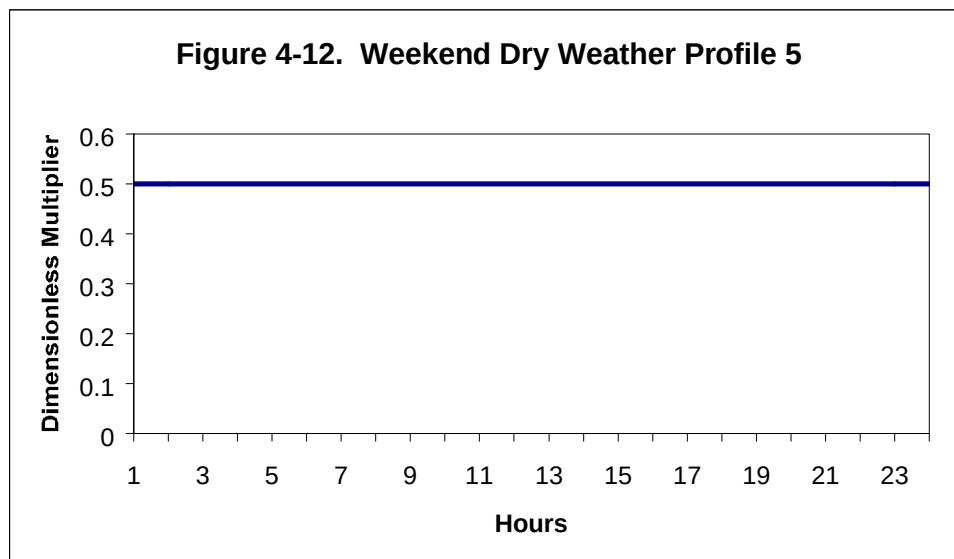
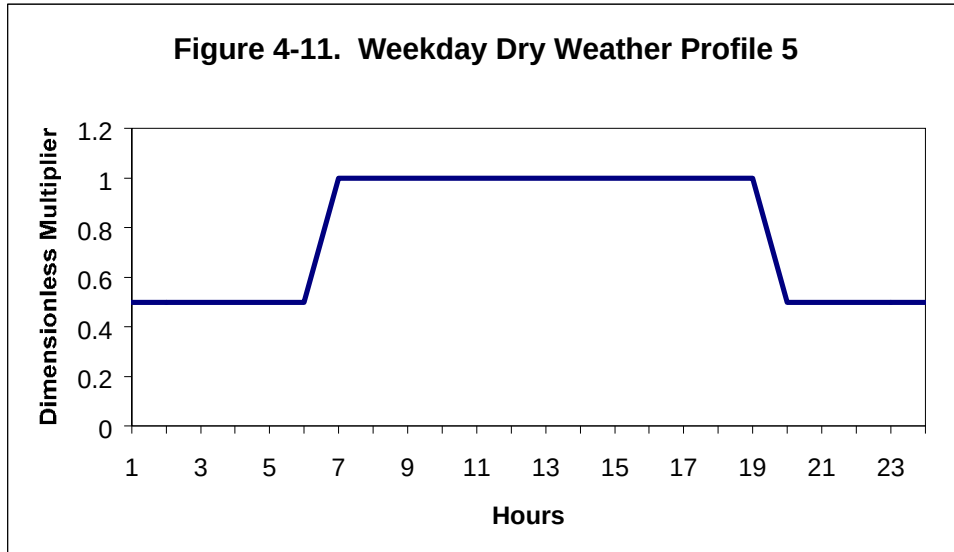
Note: Figure 4-7 and 4-8 profiles are based upon a population-generated flow of 150 gallon per capita per day (gpcd)



Note: Figure 4-9 and 4-10 profiles are based upon a population-generated flow of 23,000 gallon per capita per day (gpcd)



Note: Figure 4-11 and 4-12 profiles are based upon a population-generated flow of 23,000 gallon per capita per day (gpcd)



Infiltration

In HydroWorks, infiltration is simulated as a fixed rate of inflow into the sewer system. Whether from naturally occurring groundwater or saturated earth (from a broken water main, for example), infiltration is determined by comparing predicted dry weather flows with observed flow monitoring data. Essentially, infiltration is calculated as the difference between the observed flow and the flow attributable to population and other wastewater sources, during dry weather flow periods and accounting for diurnal variations. For the Westerly Collection system, infiltration was determined during dry weather flow verification as follows:

- If the dry weather flow simulated by the model was less than observed through the flow monitoring data (and not attributable to flows generated by populations or industries), infiltration flows were added to account for the difference.
- If the dry weather flow simulated by the model was greater than observed through flow monitoring data, the population was redistributed to more accurately reflect the observed dry weather flow. Negative infiltration rates were not used.

Flow monitoring data were used from periods where the flow represented base wastewater and infiltration typical of that time of year. Generally, these periods are found when no rainfall had occurred in the previous 3 days. Thus, the infiltration values represented typical groundwater levels or saturated earth during the flow monitoring period, not delayed rainfall-induced flows.

Through the process of dry weather flow calibration, 10.8 mgd of infiltration was found in the Westerly Collection System. Table 4-4 indicates the location, reference flow monitor, and infiltration flows added to the collection system model.

Table 4-4. Infiltration flows in the Westerly Collection System Model

Area Ref. Number	Input Manhole Identifier	Area Type	Flow Monitor Reference	Infiltration (MGD)
390	CL72835801	COMBINED	NW2-I2	2.100
400	CL74856101	COMBINED	NW8-I	2.000
468	CL78802201	COMBINED	WWR-4	2.000
552	CL65785901	COMBINED	WST-T1	1.200
359	CL778255J1	COMBINED	NW5-I	0.800
34	CL837537J1	COMBINED	WWR-T1	0.525
405	CL768419J1	COMBINED	NW7-I	0.400
331	CL72796801	COMBINED	WST-TB2	0.300
516	CL65839501	COMBINED	NWI-T1	0.300
277	CL707749J1	COMBINED	WST-TB1	0.200
939	CL59771702	SANITARY	SS-16	0.200
813	CL53751401	SANITARY	SS-5	0.100
662	CL50708901	SANITARY	SS-3	0.080
715	CL58750501	SANITARY	SS-13	0.080
837	CL56759701	SANITARY	SS-12	0.080
728	CL50658603	SANITARY	NWI-1	0.070
482	CL81879701	COMBINED	WR12A-I	0.060
762	CL54756101	SANITARY	SS-6	0.060
709	CL56749101	SANITARY	UO-3	0.050
484	CL83872401	COMBINED	WR9-I	0.048
684	CL55728601	SANITARY	UO-4	0.040
707	CL57741701	SANITARY	SS-14	0.030
791	CL54765609	SANITARY	SS-6	0.030
924	CL54786201	SANITARY	UO-7	0.030
TOTAL:				10.783

River and Lake Inflows

For the Westerly District collection system model, river and lake inflows were an important source of flow into the system, particularly along the Cuyahoga River Interceptor. During the SSES portion of this study, field crews observed river and lake water spilling into the system over weirs from submerged outfall pipes. As a result, during an early action project, called the Cuyahoga River Inflow Analysis, it was determined that seven of the Westerly Service Area outfalls were potentially subject to river inflows due to much higher than normal lake levels in 1997. Outfalls with the potential for inflow included 075, 076, 079, 082, 240, 086, and Sycamore Slip (even though collapsed).

River and lake inflows were modeled using river and lake water surface elevations recorded during the flow monitoring period, by specifying depth hydrographs as boundary conditions at the outfalls receiving inflows. The model projected water surface elevations up the outfall pipes. If the water level exceeded the crest of the weir in the overflow chamber, the model calculated a flow rate into the system using standard weir equations. For verification, the actual river / lake levels were used as depth hydrographs. For design and typical year analyses, a standard fixed water surface elevation of 574.5 feet above datum was used. The 574.5 feet is the 95th

percentile water level elevation of Lake Erie, Cuyahoga River, and Rocky River, based on the CRGS datum.

4.7 Wet Weather Flows

Storm flows consist of three major simulated components: dry weather flow (including wastewater, infiltration, and river or lake inflows), runoff from impervious surfaces (including roofs, roads, and pavement), and runoff from pervious areas (such as lawns or other vegetated land areas). Runoff from both impervious and pervious surfaces is simulated using a hydrologic model that calculates the volume of runoff from a rainfall event. Typically, the hydrologic model includes initial losses from depression storage and accounts for time of concentration using the land surface slope and length of flow path.

Hydrologic Model Parameters

For the Westerly Collection System model, the HydroWorks implementation of the SWMM RUNOFF model was used to generate the runoff from pervious and impervious surfaces. SWMM needs the following information to determine the runoff response from rainfall events for the three surface types (Roofs – Type 1; Pavement – Type 2; Grass Areas – Type 3):

- Drainage area
- Percent impervious (types 1 and 2)
- Percent pervious (type 3)
- Effective catchment area width
- Catchment area slope
- Manning's "n" for impervious area (types 1 and 2)
- Manning's "n" for pervious area (type 3)
- Depression storage for impervious area (types 1 and 2)
- Depression storage for pervious area (type 3)
- Initial infiltration rate
- Limiting infiltration rate
- Infiltration rate decay coefficient
- Antecedent conditions

Drainage Area, Width and Slope

The drainage area for each of the sewer-sheds was calculated with the GIS. The method of drainage area (sewer-shed) delineation was discussed in Section 4.5. The width of each drainage area was determined by assuming the area was square; thus, the

catchment width was calculated as the square root of the area and the effective catchment width was twice catchment length. Since the drainage areas were delineated to account for the time of concentration, twice the square root of the catchment area was deemed a reasonable estimate of the effective catchment area width. HydroWorks, unless otherwise specified, determines the catchment slope based on the slopes of the ground surface of pipes receiving flows. Therefore, no estimate of catchment slope was necessary as this adequately represented the local ground slope for pavement (type 2) or grass areas (type 3). For roofs (type 1), a standard slope of 5% was used.

Percent Impervious and Area Types

For the Westerly Collection System model, percent impervious was determined as follows:

1. The Westerly District was examined for typical areas;
2. 5 representative areas were defined;
3. The percent of roof (type 1), pavement (type 2), and grass (type 3) was determined for each representative area;
4. The representative area percentages of roof, pavement and grass were applied to all of the drainage areas.

Table 4-1 shows the area weighted percentages of impervious (types 1 and 2) and pervious (type 3). The table of drainage areas in Appendix A lists the percentages of the three area types (roof, pavement, and grass) for each of the 1,327 sewer-sheds.

Manning's "n" Values

The Manning's "n" values for impervious and pervious areas are used by the model to determine the friction losses from overland flow. The Manning's "n" value for roof and paved impervious areas was 0.04 and was the same value used in the Mill Creek study. For pervious surfaces, a Manning's "n" of 0.3 was used, also the same value used in the Mill Creek study.

Depression Storage

Initial losses or depression storage on impervious surfaces were determined based upon the square root of the slope of each drainage area. HydroWorks uses the following equation to determine initial losses from slope:

For impervious areas: Depression Storage = 0.04 inches / $\sqrt{\text{slope}}$

For pervious areas: Depression Storage = 0.19 inches / $\sqrt{\text{slope}}$

The base values of 0.04 inches and 0.19 inches were those used for impervious and pervious minimum depression storage values, respectively, in the Mill Creek Study.

Infiltration Parameters

After initial losses to depression storage are subtracted, 100 percent of the runoff from impervious surfaces reaches the sewer. For pervious surfaces, however, both initial losses to depression storage and infiltration into the ground determine the final volume of runoff from pervious surfaces. Either the Horton or the Green-Ampt method of calculating infiltration is used to determine runoff losses to infiltration. For the Westerly Collection system model, the Horton infiltration method was used.

The Horton infiltration model governs the amount of runoff from pervious surfaces lost through seepage into the ground and soil through a first-order decay relationship. The Horton infiltration model uses an initial infiltration rate, a limiting infiltration rate and an infiltration decay constant to determine the amount of runoff lost into the soil through infiltration. Similar to the Mill Creek Study area, the Westerly District has type D soils. The Westerly District soils are classified as Urban soils predominantly Mahoning. This soil classification is described as poorly drained silty loam and silty clayey loam. As a D class soil, the initial infiltration rate used for modeling was 5 in/hr and the limiting infiltration rate was 0.25 in/hr. The infiltration decay constant was 2/hr (0.00115/ sec). These values represent published data for type D soils and are consistent with the values used for the Mill Creek model.

Antecedent Conditions

The use of antecedent conditions ensures that the state of soil saturation is accounted for over and above its typical drainage characteristics and is particular for each individual storm. The amount of moisture held within the soil would affect the point at which runoff occurs from pervious surfaces (grassland, etc.). If this occurs early on in a wet weather event, such as when storm follow close to one another, then greater runoff will occur than were a storm to occur after an extended dry period.

Antecedent conditions were determined by evaluating the rainfall during the 24 hours preceding the beginning of a wet weather event. The model accounts for antecedent conditions by applying the antecedent rainfall depth to the ground surface and calculating the available depression storage and infiltration capacity.

4.8 Control Structures

The Westerly Collection System Model has over 200 control structures. These structures include the 7 automated regulators (some with Fabridams), 8 HydroBrakes, 7 pump stations, the CSOTF (CSO Treatment Facility), various weirs, flow dividers, and invert

plates. Although the modeling of these structures in HydroWorks was generally straightforward, a brief description of most is provided in this Section.

HydroBrakes

Eight HydroBrakes are located in the Westerly Collection System on both the Northwest and Westerly interceptors. Their locations are shown on Figure 2-1, and their street locations are listed below:

HB#1:	1497 West 117th Street
HB#2:	West 117th Street north of Berea Road
HB#3:	12920 Berea Road
HB#4:	Lakewood Heights Boulevard east of West 140th Street
HB#5:	West 153rd Street and South Marginal Road
HB#6:	Riverside Drive and Fischer Road
HB#7:	Rocky River Drive and Chatfield Avenue
HB#8:	West 117th Street and Detroit Avenue

These HydroBrakes were detailed in an EPA report “Controlling Discharge and Storage in a Combined Interceptor Sewer - Cleveland, Ohio (HydroBrakes)”, dated July 1987. The report provided information about the locations and discharge characteristics of the HydroBrakes. Each HydroBrake was included in the model as a vortex control device by specifying the stage-discharge curve from this report. These curves are shown in Figures 4-13 through 4-20. The report indicated that a weir was installed at each HydroBrake location to allow overtopping and bypass of the flow control. These weirs also were modeled. In the model, the specified discharge curves have a negative component, which allows for flow reversal through the HydroBrake.

The model simulations were evaluated to ensure that the HydroBrakes were operating correctly by viewing sewer profiles during wet weather events. These profiles show the combined operation of the HydroBrakes to affect storage in the interceptor sewer. The discharge curve for the HydroBrake at West 117th St. and Detroit Avenue was based upon actual and interpretive information contained within the above referenced report.

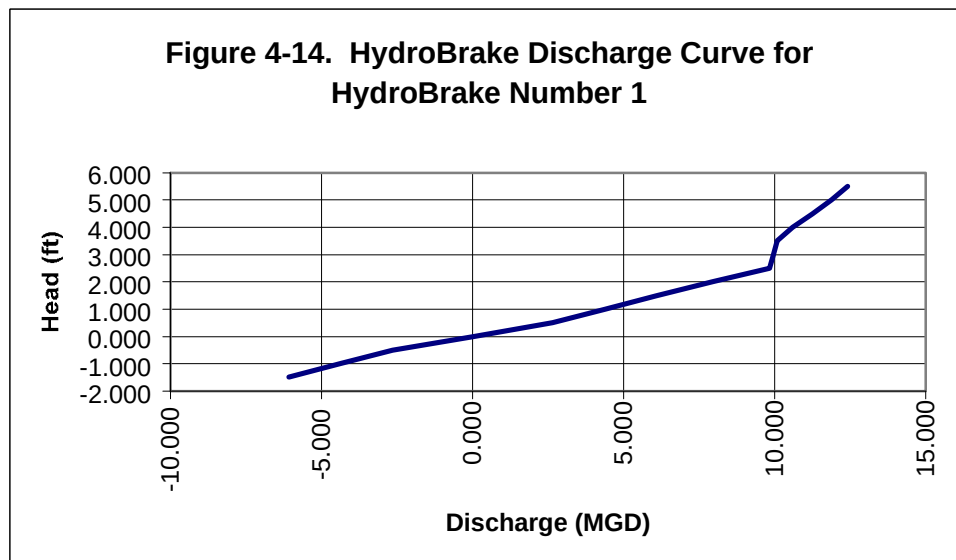
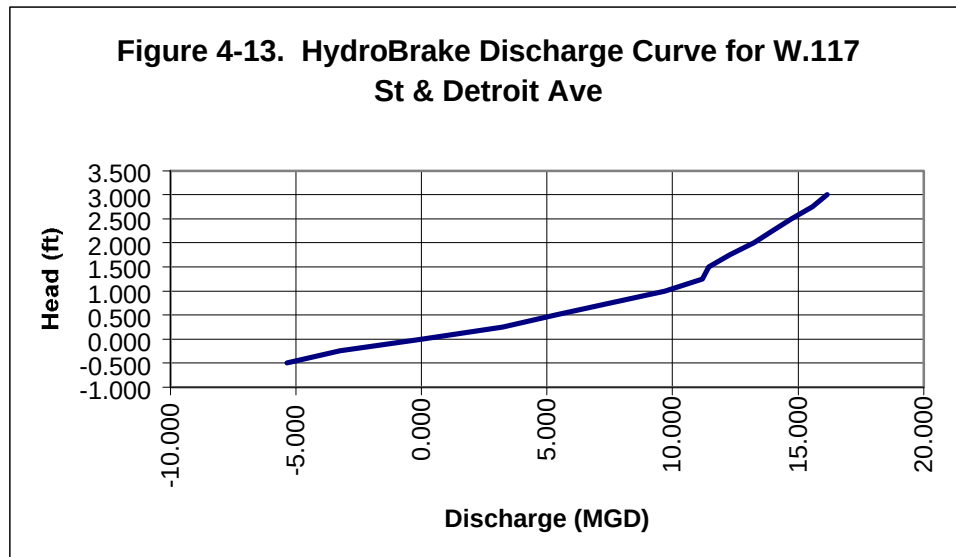


Figure 4-15. HydroBrake Discharge Curve for HydroBrake Number 2

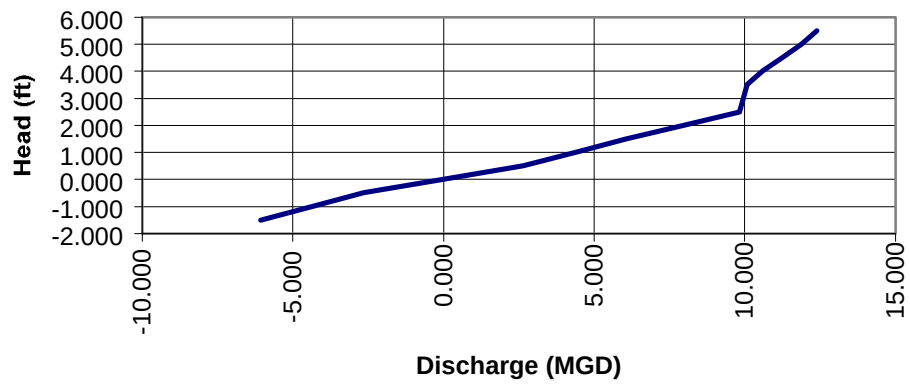
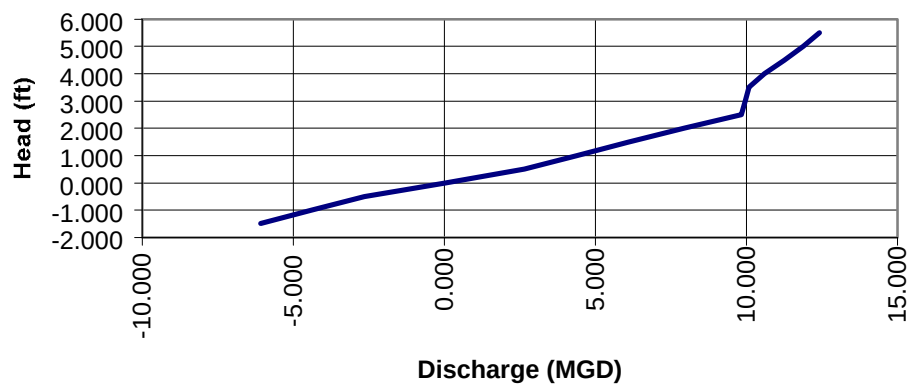
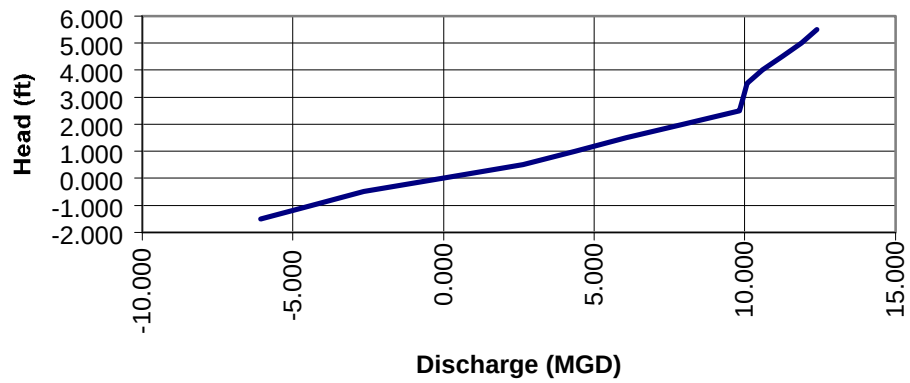


Figure 4-16. HydroBrake Discharge Curve for HydroBrake Number 3



**Figure 4-17. HydroBrake Discharge Curve for
HydroBrake Number 4**



**Figure 4-18. HydroBrake Discharge Curve for
HydroBrake Number 5**

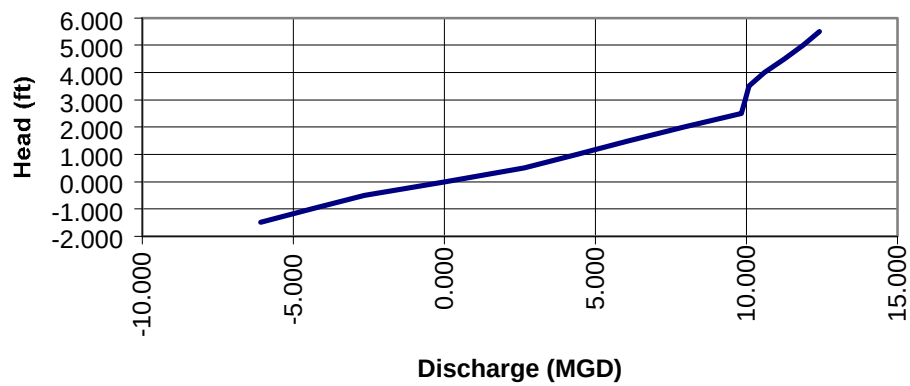


Figure 4-19. HydroBrake Discharge Curve for HydroBrake Number 6

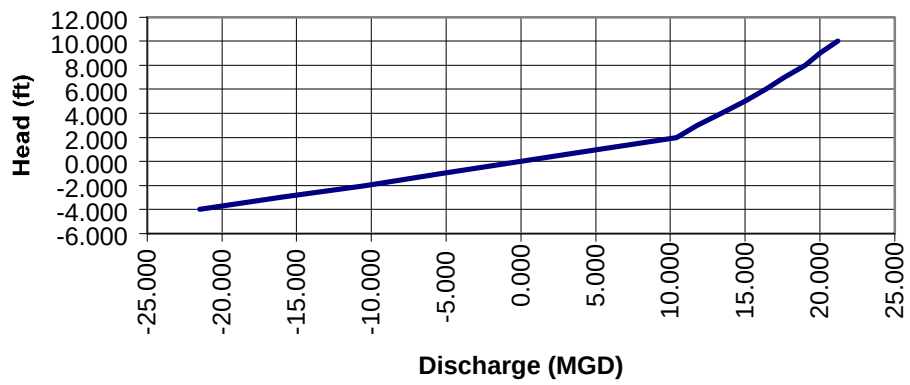
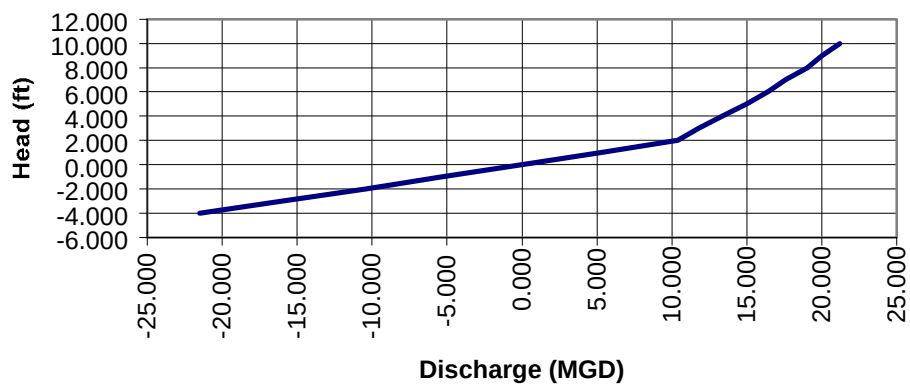


Figure 4-20. HydroBrake Discharge Curve for HydroBrake Number 7



Pumping Stations

Six pumping stations within the Westerly collection system and one at the CSOTF were included in the model. The six (non-CSOTF) pumping stations in the model are:

- West 61st Street and Barberton Avenue;
- Edgewater Drive and West 112th Street;
- West 3rd Street and Service Court;
- Incinerator and Mahoning Avenue;
- Division Avenue; and
- Mary Street.

Of the non-CSOTF stations, the District operates the Division Avenue Pump Station. The City of Cleveland operates all others.

These six pumping stations were modeled as screw pumps, rather than fixed discharge pumps. Screw pumps were used because their solution algorithm uses smoother calculations, reducing model run times. The operating regime of the actual fixed discharge pumps was reflected in the model.

The individual pumping station operational characteristics were accounted for to ensure that the model simulated the appropriate discharge characteristics. The information used to model these pumping stations was based on prior studies and construction drawings. No pumping station tests were conducted for this study. Figures 4-21 through 4-26 present the pump curves used to represent six of the pumping stations.

The pumping station at the CSOTF was modeled as a fixed discharge pump. The operational characteristics were simulated using real time control rules based upon the known operating strategy of CSOTF. For model simulations, it was assumed that the pump at the CSOTF turns on and empties the tanks at a rate of 14 mgd to the headworks when gravity flows arriving at the headworks fall below 49 mgd.

Figure 4-21. Pump Curve for W. 61 St. & Barberton Pumping Station

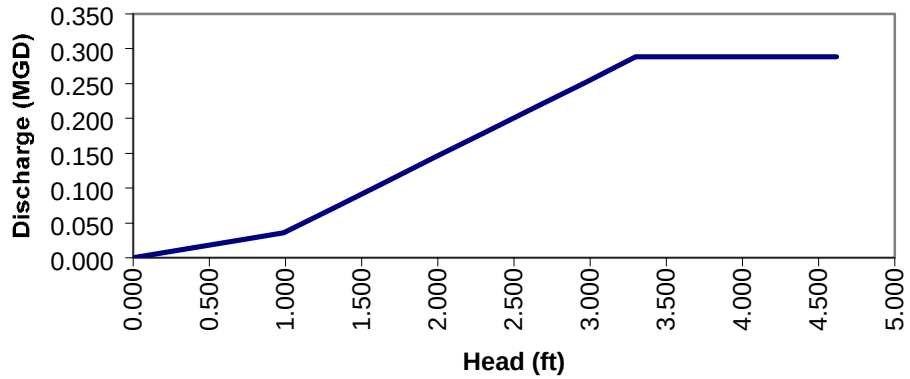


Figure 4-22. Pump Curve for Edgewater Drive & W. 112 St. Pumping Station

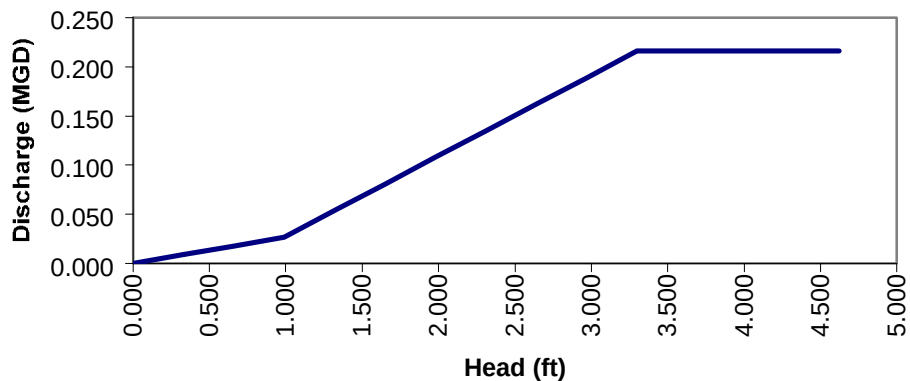


Figure 4-23. Pump Curve for W. 3rd & Service Court Pumping Station

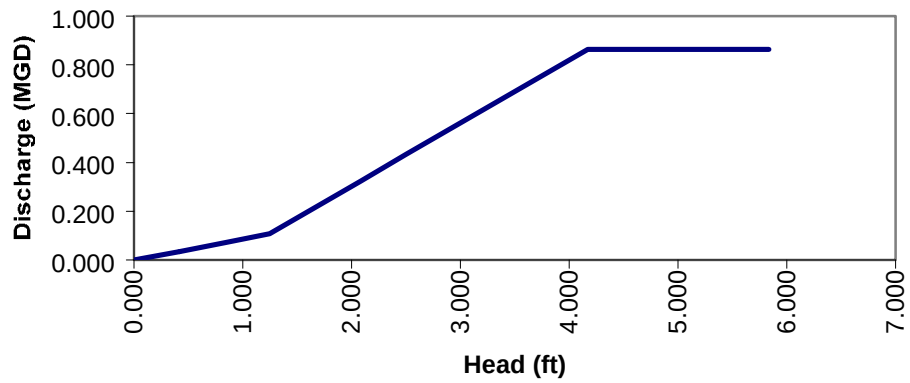


Figure 4-24. Pump Curve for Incinerator & Mahoning Ave. Pumping Station

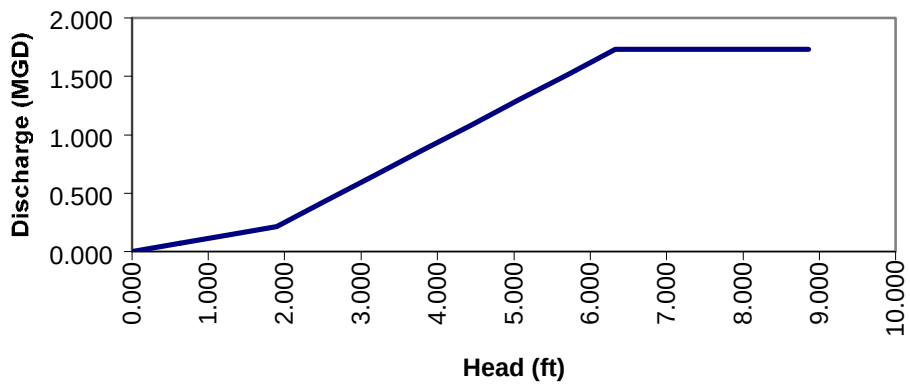


Figure 4-25. Pump Curve for Division Ave. Pumping Station

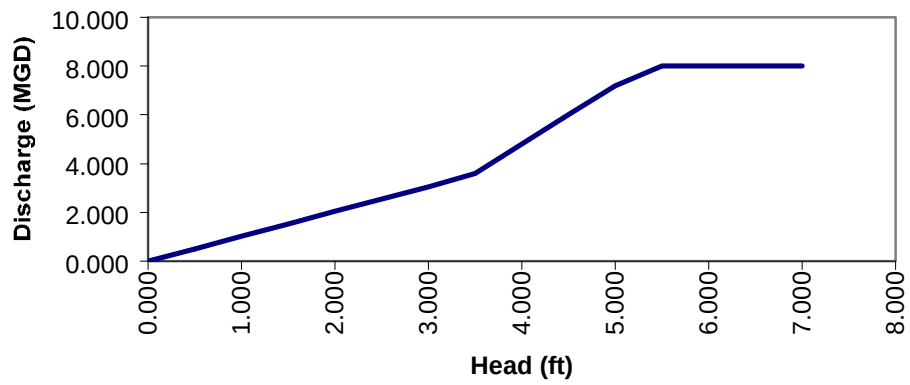
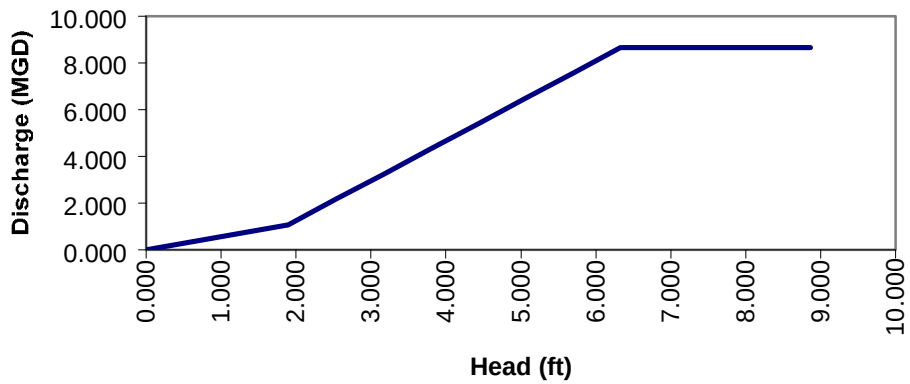


Figure 4-26. Pump Curve for Mary Street Pumping Station



Regulators and Flow Diversions

Regulators and flow diversions were modeled based upon CSO Phase I survey information that had been verified or updated during this project. Typically, these control structures were fixed weirs or orifices (holes in the base of a pipe where flows drop into another sewer). Instances of pipes leaving manholes at higher elevations were modeled as such rather than as weirs. A few abandoned Brown & Brown mechanical regulators were simulated with appropriately sized pipes and orifice openings.

Auto Regulators

Seven automated regulators were included in the model of the Westerly collection system. The District supplied information about each automated regulator for modeling, including PID coefficients and digital data of their operation. Some flow monitoring data was also collected in the vicinity of the automated regulators. Construction drawings were used to ensure that correct chamber sizes and weir elevations were incorporated into the model.

The District's automated regulators are typically comprised of a gate controlling flow to the WWTP and a Fabridam controlling the overflow. The gates were controlled by Real Time Control (RTC) rules developed for this project, but based on the desired gate operation. The Fabridams were modeled as variable crest weirs and also controlled with RTC rules. The automated regulators included in the model were:

- Lake Ave. and Viking Ave. (NW1);
- Lake Ave. and Desmond Ave. (NW2);
- Edgewater Park (NW3);
- West 117th Street and Edgewater Drive (NW4);
- West 58th Street and Cass (NW5);
- Rocky River Drive and Lorain Avenue (NW6); and
- West 65th Street and Breakwater Dr. (NW7).

Table 4-5 summarizes the real time control rules for CSOTF and each automated regulator. In general, these facilities are controlled using Proportional Integral Differential (PID) logic algorithms that (1) vary gate positions and (2) inflate / deflate bladder-type dams based on flow depths within the interceptor and trunk sewers. Two coefficients govern the PID algorithms: a proportional coefficient and a differential coefficient. The proportional coefficient directly governs the total range in the movement of a gate. For example, a larger proportional coefficient suggests that the gate will have a larger reciprocating range. The differential coefficient governs how much change in gate position can occur within each sensing interval.

Real Time Control Parameters												
Auto Regulator ID	Type	Control in Model	Speed of Gate Movement (in/s)		Measurement Location	Control Method	Measurement Interval (seconds)	Proportional Coefficient	Differential Coefficient	Level to Maintain (ft)	Depth to Maintain (ft)	Comments
			positive direction	negative direction								
NW1	Fabridam	Variable crest weir	0.20	0.20	in regulator chamber	PID	60	-0.01	1.36	627.511	n/a	On overflow line
	Gate	Variable height gate	0.20	0.20	downstream of gate	PID	60	-0.01	1.36	n/a	3.501	On DWF line
NW2	Fabridam	Variable crest weir	0.20	0.20	in regulator chamber	PID	60	-0.01	1.36	628.633	n/a	On overflow line
	Gate	Variable height gate	0.20	0.20	downstream of gate	PID	60	-0.01	1.36	n/a	3.501	On DWF line
NW3	Fabridam	Variable crest weir	0.20	0.20	in regulator chamber	PID	60	-0.01	1.36	599.577	n/a	On DWF line to mobilize storage
	Gate	Variable height gate	0.20	0.20	upstream of gate	PID	60	0.01	1.36	595.790	n/a	On overflow line
NW4	Fabridam	Variable crest weir	0.20	0.20	downstream of fabridam	PID	60	-0.01	1.36	n/a	10.499	On DWF line to mobilize storage
NW5	Fabridam	Variable crest weir	0.20	0.20	in regulator chamber	PID	60	-0.01	1.36	630.671	n/a	On overflow line
	Gate	Variable height gate	0.20	0.20	downstream of gate	PID	60	-0.01	1.36	n/a	1.499	On DWF line
NW6	Fabridam	Variable crest weir	0.20	0.20	in regulator chamber	PID	60	-0.01	1.36	748.836	n/a	On overflow line
	Gate	Variable height gate	0.20	0.20	downstream of gate	PID	60	-0.01	1.36	n/a	1.001	On DWF line
NW7	Fabridam	Variable crest weir	0.20	0.20	in regulator chamber	PID	60	-0.01	1.36	623.439	n/a	On overflow line
	Gate	Variable height gate	0.20	0.20	downstream of gate	PID	60	-0.01	1.36	n/a	2.599	On DWF line
	Gate	Variable height gate	0.20	0.20	downstream of gate	PID	60	-0.01	1.36	n/a	4.000	On DWF line
CSOTF	Gate	Variable height gate	0.20	0.20	in CSOTF tanks	PID	60	-0.01	1.36	583.929	n/a	Main gate into CSOTF tanks from channel
	Gate	Variable height gate	0.20	0.20	in main channel	PID	60	0.01	1.36	584.330	n/a	Overflow gate from main channel
	Pump	Pump (fixed capacity)	n/a	n/a	at headworks (2m downstream)	PUMP	Continuous	n/a	n/a	n/a	n/a	Pumps to activate when flow in Headworks falls below 49 MGD. Pump discharge 14MGD

Table 4-5: Real-Time Control Parameters

Combined Sewer Overflow Treatment Facility (CSOTF)

The CSOTF, a storage and treatment facility for excess wet weather flow, was included in the Westerly collection system model and controlled by RTC rules. Two automated gates control the flows into the storage tanks and flows through the main channel to the Lake. In addition, when flow to the WWTP drops below 49 mgd, the stored sewage is pumped back to the WWTP for treatment before release to Lake Erie. The base flow allowed through the WWTP was limited to 50 mgd based on information supplied. This initial flow rate was increased to 100 mgd under baseline conditions.

Over-Under Sewers (Invert Plates)

The Westerly collection system service area is partially served by separate sanitary sewers. In the separate sanitary area, the storm and sanitary sewers were constructed in a “common trench” with a shared manhole for access at some locations. At manholes shared between the storm and sanitary sewer an invert plate provides access to the sanitary sewer for maintenance (vacuuming or jetting). Figures 4-27 and 4-28 show the invert plates and the configuration of the storm and sanitary sewers at shared manholes.

During the SSES portion of the Phase II study, field crews inspected each manhole in the separate sanitary area to determine the location, size, and condition of the invert plates. A total of 264 invert plate manholes were found in the Westerly District collection system. Their conditions were as follows:

- 55 plates missing
- 46 plates damaged
- 23 plates seated improperly
- 140 plates intact

Since both the storm and sanitary sewers were modeled, the invert plates were represented as an orifice from the sanitary sewer to the storm sewer. The orifice discharge coefficient and opening size were correlated to the condition of the invert plate.

During a rainfall event, flow travels in the storm sewer until an invert plate is encountered. If the invert plate is damaged or dislodged, the flow from the storm sewer enters the sanitary sewers. At some point, the sanitary sewer usually becomes surcharged and flow then travels from the sanitary sewer into the storm sewer through the invert plate openings.

The operational characteristics of the invert plates were fully represented by the orifices used in the model. Specifically, both directions of flow were simulated (from the storm sewer into the sanitary sewer –inflow- and from the sanitary sewer into the storm –

surcharge and contamination). However, the model does not handle the following

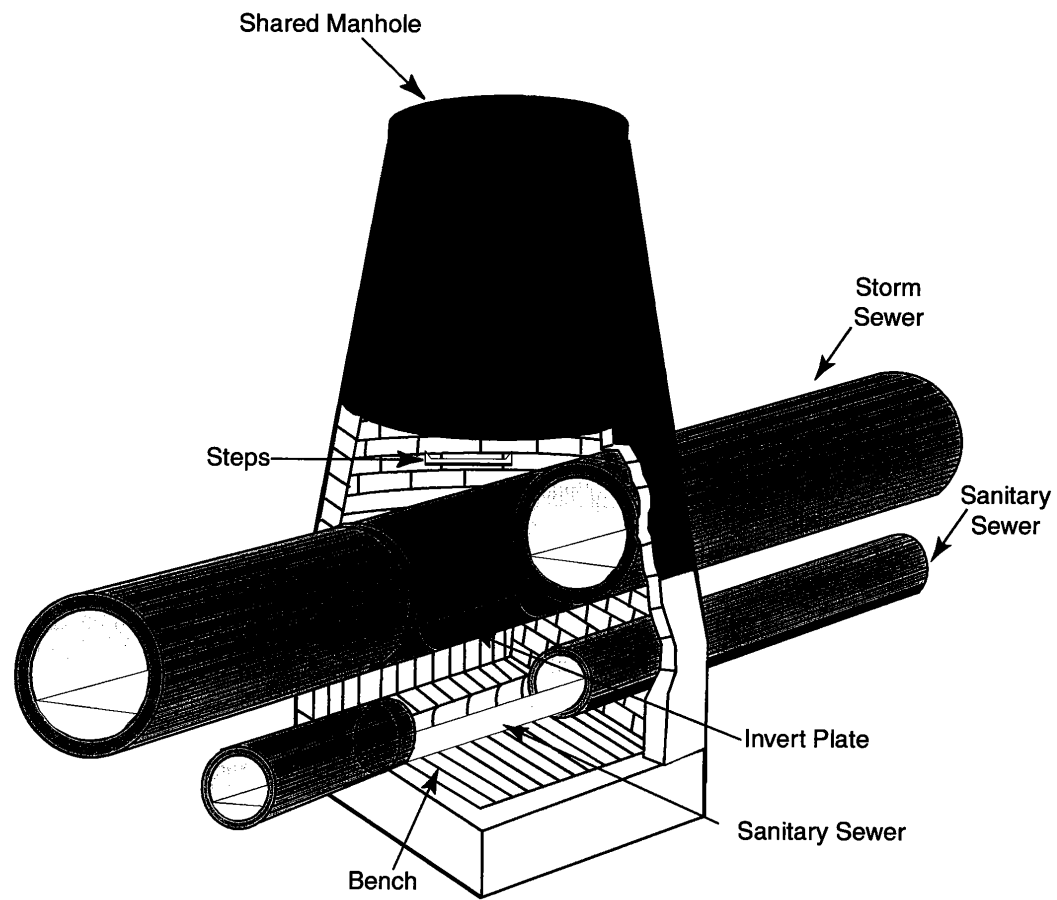
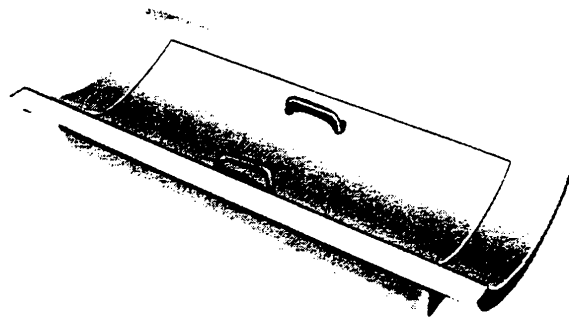


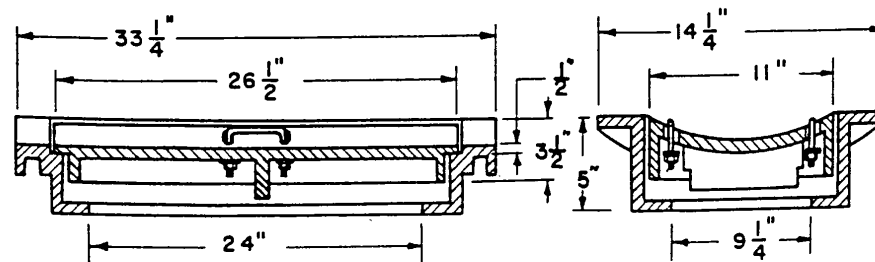
FIGURE 4-27

DIAGRAM OF OVER/UNDER SEWER

Figure 4-28. Detail of Invert Plate in Over/Under Sewers



Orthogonal Rendering



Cross-sectional Diagrams

scenario: where sufficient velocity is attained, the flows in the storm sewer could “jump” an invert plate opening. Although, in theory, the invert plate may act as a leaping weir, the only areas affected would be the uppermost portion of the over-under system during the beginning of a storm. Once a storm begins, most of the sanitary sewers in the over-under area become surcharged from inflows through upstream invert plates and “spill” flow back into the storm sewers. This scenario is considered to be a minor model limitation; therefore, this model arrangement was considered satisfactory for simulating invert plates.

5.0 COLLECTION SYSTEM MODEL VERIFICATION

5.1 Verification Events

The model of the Westerly District collection system was verified using two dry weather and three wet weather flow events. The event details are shown in Tables 5-1 and 5-2.

Table 5-1. Dry Weather Flow Verification Events

Date	Duration (hours)	Day
April 26, 1997	24 hours	Saturday (Weekend)
June 11, 1997	24 hours	Wednesday (Weekday)

The flow monitoring data was examined to find days where the flows were at the base flow rate without rainfall derived infiltration / inflow. The above dry weather flow days were chosen because no rainfall occurred during the two previous days and the flows were approximately equal to the expected base flow.

Table 5-2. Wet Weather Flow Verification Events

Date	Duration Ranges (hrs:min)	Rainfall Depths (inches)							Antecedent Depth (inches)	Peak Intensity (in/hr)
		RG 1	RG 2	RG 3	RG 4	RG 5	RG 6	RG 7		
April 12	13:50 - 15:20	0.96	0.96	0.96	1.12	1.12	1.2	1.1	0.0	0.36 – 0.60
May 31	35:00 - 35:55	2.12	2.36	2.68	2.22	2.90	2.71	2.71	0.2	0.48 – 0.96
June 2	4:30 - 5:55	0.89	1.16	0.78	0.84	1.29	1.06	1.06	1.4	0.48 – 1.32

From the 44 rainfall events (see Table 3-1) recorded during the flow monitoring period, only 17 storms had recorded depths greater than 0.2 inches with all rainfall gauges operational. Of these 17 storms, only 7 events had recorded rainfall depths greater than 0.5 inches. However, for one of the seven storms, many of the flow monitors had been removed; therefore, only 6 of the 44 storms were chosen as potential verification wet

weather events. Of the 6 events, the three largest volume storms averaged among the 7 rain gauges were chosen as the verification storms.

5.2 Dry Weather Flow

For the two dry weather events, the model predicted flows were compared with the observed flows to determine:

- Modeling anomalies;
- Flow data discrepancies; and
- Manhole or pipe data errors.

The initial modeling results compared well with the observed flow data. Where the model results did not compare well with the observed dry weather flow monitoring data, the connectivity of the model network was re-evaluated. Once connectivity discrepancies were resolved, the distribution of population was re-examined and redistributed as appropriate based on building locations and other information. After the population distribution was investigated, areas deficient in flow were investigated for large sources of trade flow (large sewer users). Several additional industrial flows were added to the model to improve the verification. These flows are listed in Table 4-2. If population distribution or larger trade flow sources did not explain the discrepancies between observed and modeled flows, infiltration flows were allocated throughout the collection system to account for the additional base flow. About 10.8 mgd of infiltration was added throughout the collection system to make up the base flow. Appendices B and C present the hydrographs comparing observed and simulated dry weather flows.

The model was considered calibrated for dry weather flow.

5.3 Wet Weather

After the model was calibrated for dry weather flows, the verification rainfall events were modeled and the results compared with the flow monitoring data. Typically, flows were compared unless the monitoring data was questionable; then, the depths were compared. The objective of the comparison was to ensure that the model adequately represents the runoff response from rainfall events.

The verification process involved identifying discrepancies between observed and simulated flows, investigating the discrepancies, and correcting model parameters. Typical problems evaluated during verification included:

- Under- or over-predicting runoff volumes;
- Inaccurate representation of pump station operation;
- Over-predicting flooding
- Over-predicting surcharging

-
- Spatial rainfall
 - Hydrograph runoff decay
 - Under estimating in-system storage

Before investigating discrepancies, the flow monitoring data was evaluated for reasonableness. Some factors that were considered in evaluating the flow monitoring data included:

- whether depth and velocity sensors were operational (with reference to flow, depth, velocity, and scatter graphs);
- whether the sensors recorded similar responses for similar storms;
- if either sensor was blocked by debris;
- if site hydraulic conditions were likely to produce valid data; and,
- if other flow monitors in the vicinity confirm the data (mass balance).

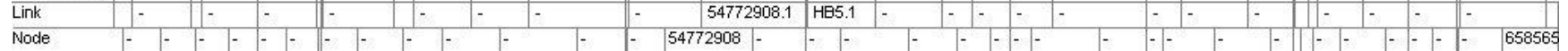
If the velocity data was questionable, but the depth data seemed reasonable, the model was verified with depth data. In the absence of good or reasonable data, the model was not verified with flow monitoring data in that location.

Along with an evaluation of the flow monitoring data, wet weather connectivity (stormwater outlets) and sewer maintenance data were used to evaluate the comparison of simulated and observed flows. For instance, if blockages were suspected, flow monitor inspection logs and sewer maintenance logs were consulted to confirm a blockage existed. Since blockages are temporary they are generally not modeled unless the model could not be verified for other wet weather event simulations. This circumstance did not occur during the Westerly project. All instances where flow monitoring data may have suggested a blockage during a particular storm were verified during other wet weather events.

If evaluation of the flow monitoring data, connectivity, and operational logs, did not resolve the verification, the contributing drainage area percentage impervious allocations were inspected for gross errors (mistakes). Where reasonable, adjustments were made to percent impervious allocations in areas of poor model verification. However, unrealistic changes were not considered or implemented.

Verification proceeds from the upstream areas to the downstream areas. Since the majority of the pump stations, HydroBrakes, and automated regulators were located “downstream” in the system, the operation of these controls was investigated towards the end of verification. To start verification, these structures were simulated as their operational plans indicated. However, as verification proceeded, some minor changes to the original operational rules were made to improve the comparison of modeled and observed flows. For instance, one CSO was known to have a blockage of consolidated

sediment. For verification, sediment was added into the model to simulate this blockage. Typically, the hydraulics around the control structures produced unfavorable conditions for recording good flow monitoring data. Therefore, the verification of these structures focused on simulating their operational plan behavior, not necessarily mimicking the flow monitoring data. As an example, Figure 5-1 presents the sewer



profile through the HydroBrakes, illustrating their operational behavior of creating storage in the Northwest and Westerly Interceptors.

Model verification is evaluated by comparing the observed and predicted flows during dry and wet weather flow conditions. For the events during the monitoring period, the predicted flows compared to the observed flows should meet the following criteria:

- 1) peak flow rate is within +30% and -20%;
- 2) volume of flow is within +30% and -20%;
- 3) general shape of both hydrographs is similar; and
- 4) the above criteria should be met for 2 of 3 storms, unless circumstances at the monitoring locations a) cannot be modeled and are determined to be unimportant, b) are not detrimental to the model, or c) are due to infiltration and can be accounted for in subsequent use of the model.

These criteria are similar to that presented in WaPUG's¹ *Code of Practice for the Hydraulic Modeling of Sewer Systems*, November 1993. Currently, USEPA's *Combined Sewer Overflows: Guidance for Monitoring and Modeling*, dated December 1996, is issued in draft form and provides only vague non-numerical criteria for calibration assessment.

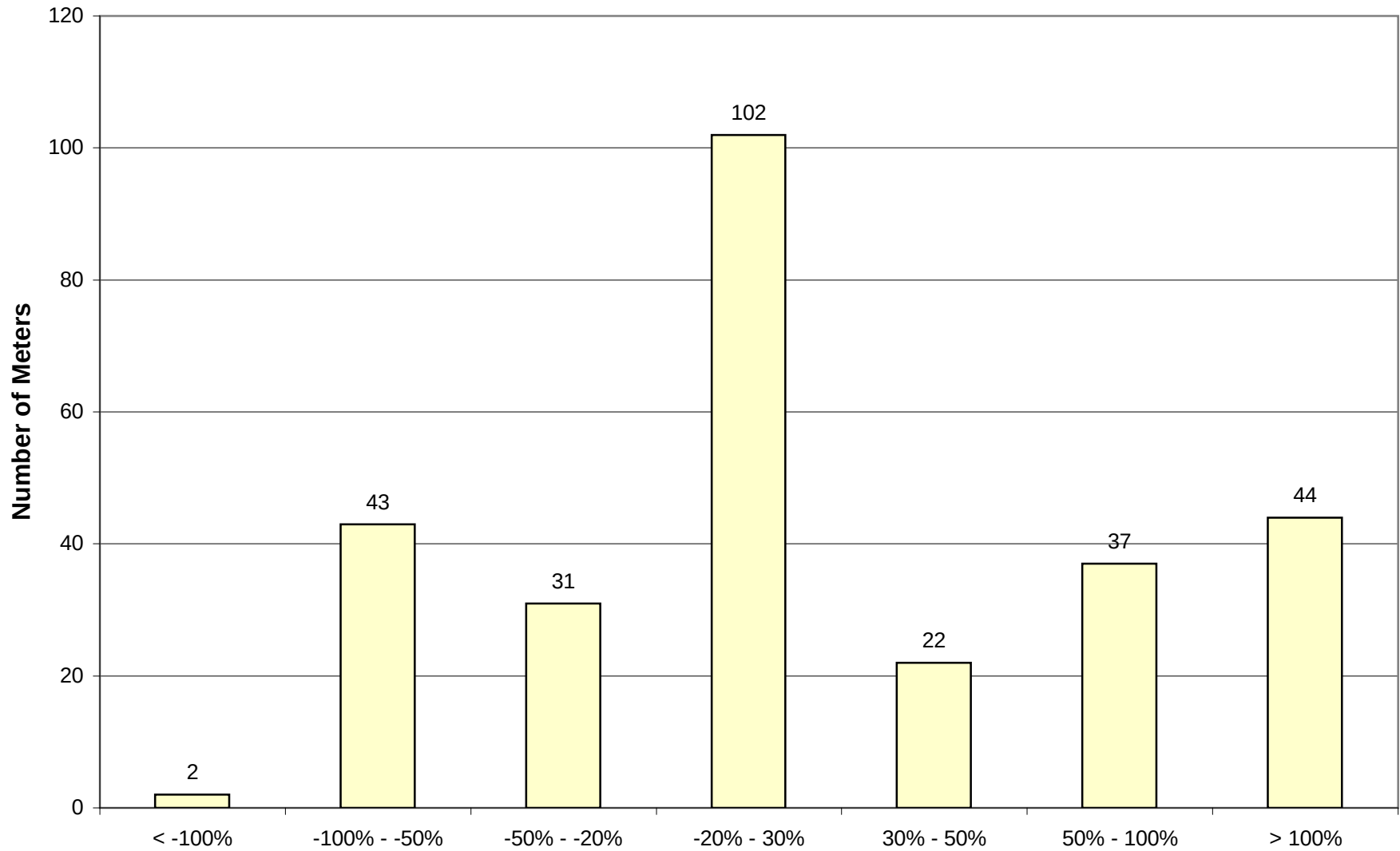
Of the 106 flow monitors, 97 were located in the collection system and used for flow verification. The comparison plots of the model-predicted peak flows, peak depths and volumes relative to corresponding observed values, for the wet weather events of April 12, 1997, May 31, 1997 and June 2, 1997, are located in Appendices D, E, and F, respectively. Appendix G summarizes the verification status of the model for each flow monitor for each wet weather event. Further, it provides an overall model verification conclusion for each flow monitor.

Appendix H further details the information presented in Appendix G by presenting (1) the percent differences between model-predicted peak flows and volumes relative to corresponding observed values and (2) the differences in predicted peak flow depths versus observed flow depths. There are 95 meters that provided flow data in the collection system during the April 12 and May 31 storm events. For the June 2 storm, 91 meters successfully provided flow data. This provides a total of 281 meter-events for evaluation. Figure 5-2 presents of a summary of the percent differences between predicted peak flows and corresponding observed values for the three calibration storms. With respect to peak flow percent differences, most of the values are in the –

¹ WaPUG stands for Wallingford Procedure Users Group, an organization of model users in the United Kingdom. The group meets regularly to discuss modeling, including flow monitoring, model building and testing, calibration and verification, and documentation.

20% to +30% range, and thereby achieve the desired accuracy. The larger differences

Figure 5-2. Peak Flow Comparison - All 3 Events



that exist, however, are typically associated with meter installations on smaller pipes that drain relatively small catchments where flows are highly variable, inconsistent and ultimately difficult to calibrate models. These catchments contribute little to the overall wet weather response in the collection system. Furthermore, other general collection system issues made calibration activities more challenging at some meter installations for some wet weather events. These include:

- Poor flow data (ragging, turbulence, flows too low to be recorded by probes, etc.);
- Operation and maintenance problems, such as blockages;
- Simplified representation of system in peripheral sewer-sheds;
- Over-prediction of flooding and spills in peripheral areas;
- Unknown connections between sewer branches or storm and sanitary sewers;
- Complex interaction between sewers in over / under sewer systems; and
- Complex nature of hydrological processes (non-linear rainfall-runoff relationship).

As a result of these issues, segments of the model are not well verified against some flow meters during some wet weather events. This can be expected in a sewer system as hydraulically complicated as the Westerly District Collection System. Structures with such complex hydraulics during storm flows, such as the automated regulators and invert plates mingling storm and sanitary flows, present difficult site conditions for the collection of valuable flow data. The collected data has been examined in detail and every effort has been made to use this information when possible. In addition to the three verification storms, other collected data was consulted to develop understanding of site characteristics and hydraulic behaviors.

Overall, the model was considered reasonably verified in its prediction of wet weather flows in the system along with the operation of the control structures, particularly the HydroBrakes, automated regulators, and CSOTF. In addition, the extremely complex flow regimes in the separate sewer area with its abundance of invert plates have been calibrated. The District now has a powerful tool with which to evaluate the Westerly Collection System.

5.4 Verification Results

The model was reasonably verified with 2 dry weather and 3 wet weather events. The wet weather events used for verification were the largest storms that occurred during the flow monitoring period. Many of the discrepancies between the model results and the observed data were explained through the investigation of the site hydraulics. In some cases, monitors were installed at locations where the site hydraulics precluded the

collection of good data. In addition, some blockages occurred in the system that prevented the collection of good data. The model was not altered to reflect these blockages if they were documented and explainable.

Appendix A

Land Use Codes

Land Use Type	Description
1	Separate area; residential
2	Combined area; residential
3	Combined area; residential
4	Industrial (weekday operation only)
5	Industrial (weekday and weekend operations)

Residential Land Use Codes

Residential Land Use Type	Description
01A	Single family, approx lot size 30 ft x 150 ft
01B	Single family, approx lot size 30 ft x 100 ft
01C	Multi-family, approx lot size 50 ft x 150 ft
02A	Multi-family, approx lot size 30 ft x 200 ft
02B	Multi-family, approx lot size 40 ft x 75 ft
Industrial	Industrial
Multi-Unit Apartment	Multi-Unit Apartment

APPENDIX C

**Table 8. Sectional Mean Frequency Distributions for Storm Periods of 5 Minutes to 10 Days
and Recurrence Intervals of 2 Months to 100 Years in Ohio**

Sectional code (see figure 1 on page 4)

01 – Northwest
02 - North Central
03 – Northeast
04 - West Central
05 – Central
06 -Central Hills
07 - Northeast Hills
08 - Southwest
09 - South Central
10 - Southeast

Rainfall (inches) for given recurrence interval

Section	Duration	2-month	3-month	4-month	6-month	9-month	1-year	2-year	5-year	10-year	25-year	50-year	100-year
01	10-day	1.69	2.04	2.35	2.76	3.17	3.45	4.22	5.17	5.89	6.83	7.56	8.31
01	5-day	1.42	1.70	1.93	2.23	2.57	2.79	3.43	4.29	4.92	5.81	6.51	7.26
01	72-hr	1.27	1.49	1.69	1.96	2.25	2.45	3.05	3.77	4.33	5.17	5.89	6.71
01	48-hr	1.17	1.36	1.52	1.76	2.02	2.20	2.74	3.43	3.96	4.74	5.40	6.14
01	24-hr	1.12	1.30	1.42	1.64	1.87	2.03	2.52	3.18	3.70	4.43	5.05	5.73
01	18-hr	1.05	1.22	1.34	1.55	1.76	1.91	2.37	2.99	3.48	4.16	4.75	5.39
01	12-hr	0.97	1.13	1.24	1.43	1.63	1.77	2.19	2.77	3.22	3.85	4.39	4.99
01	6-hr	0.84	0.97	1.06	1.23	1.40	1.52	1.89	2.38	2.78	3.32	3.79	4.30
01	3-hr	0.71	0.83	0.91	1.05	1.20	1.30	1.61	2.04	2.37	2.84	3.23	3.67
01	2-hr	0.65	0.76	0.83	0.96	1.09	1.18	1.46	1.84	2.15	2.57	2.93	3.32
01	1-hr	0.52	0.61	0.66	0.77	0.87	0.95	1.18	1.49	1.74	2.08	2.37	2.69
01	30-min	0.41	0.48	0.52	0.61	0.69	0.75	0.93	1.18	1.37	1.64	1.87	2.12
01	15-min	0.30	0.35	0.38	0.45	0.51	0.55	0.68	0.86	1.00	1.20	1.36	1.55
01	10-min	0.24	0.28	0.30	0.35	0.40	0.43	0.53	0.67	0.78	0.93	1.06	1.20
01	5-min	0.13	0.15	0.17	0.19	0.22	0.24	0.30	0.38	0.44	0.53	0.61	0.69
02	10-day	1.63	1.96	2.26	2.66	3.05	3.32	4.19	5.31	6.19	7.40	8.35	9.35
02	5-day	1.35	1.61	1.82	2.11	2.43	2.64	3.33	4.32	5.10	6.21	7.14	8.14
02	72-hr	1.22	1.43	1.61	1.87	2.15	2.34	2.93	3.69	4.34	5.39	6.33	7.39
02	48-hr	1.14	1.33	1.48	1.72	1.98	2.15	2.67	3.37	3.94	4.86	5.70	6.68
02	24-hr	1.09	1.27	1.39	1.60	1.82	1.98	2.44	3.06	3.55	4.35	5.08	5.92
02	18-hr	1.02	1.19	1.30	1.51	1.71	1.86	2.29	2.88	3.34	4.09	4.78	5.56
02	12-hr	0.95	1.10	1.20	1.39	1.58	1.72	2.12	2.66	3.09	3.78	4.42	5.15
02	6-hr	0.82	0.95	1.04	1.21	1.37	1.49	1.83	2.30	2.66	3.26	3.81	4.44
02	3-hr	0.70	0.81	0.89	1.03	1.17	1.27	1.56	1.96	2.27	2.78	3.25	3.79
02	2-hr	0.63	0.74	0.80	0.93	1.06	1.15	1.42	1.77	2.06	2.52	2.95	3.43
02	1-hr	0.51	0.60	0.65	0.75	0.86	0.93	1.15	1.44	1.67	2.04	2.39	2.78
02	30-min	0.40	0.47	0.51	0.59	0.67	0.73	0.90	1.13	1.31	1.61	1.88	2.19
02	15-min	0.29	0.34	0.37	0.43	0.49	0.53	0.66	0.83	0.96	1.17	1.37	1.60
02	10-min	0.23	0.27	0.29	0.34	0.39	0.42	0.51	0.64	0.75	0.91	1.07	1.24
02	5-min	0.13	0.15	0.17	0.19	0.22	0.24	0.29	0.37	0.43	0.52	0.61	0.71
03	10-day	1.70	2.05	2.36	2.78	3.19	3.47	4.29	5.34	6.17	7.30	8.19	9.14
03	5-day	1.37	1.64	1.86	2.15	2.47	2.69	3.34	4.23	4.95	5.96	6.82	7.74
03	72-hr	1.26	1.48	1.67	1.94	2.23	2.42	2.99	3.72	4.34	5.31	6.15	7.09
03	48-hr	1.18	1.38	1.53	1.78	2.04	2.22	2.75	3.42	3.99	4.87	5.66	6.55
03	24-hr	1.12	1.31	1.43	1.65	1.88	2.04	2.50	3.10	3.60	4.39	5.11	5.89
03	18-hr	1.06	1.23	1.34	1.56	1.77	1.92	2.35	2.91	3.38	4.13	4.80	5.54
03	12-hr	0.97	1.13	1.24	1.43	1.63	1.77	2.17	2.70	3.13	3.82	4.45	5.12
03	6-hr	0.84	0.98	1.07	1.24	1.41	1.53	1.88	2.32	2.70	3.29	3.83	4.42
03	3-hr	0.72	0.84	0.92	1.06	1.21	1.31	1.60	1.98	2.30	2.81	3.27	3.77
03	2-hr	0.65	0.76	0.83	0.96	1.09	1.18	1.45	1.80	2.09	2.55	2.96	3.42
03	1-hr	0.53	0.61	0.67	0.78	0.88	0.96	1.17	1.46	1.69	2.06	2.40	2.77
03	30-min	0.41	0.48	0.52	0.61	0.69	0.75	0.93	1.15	1.33	1.62	1.89	2.18
03	15-min	0.30	0.35	0.38	0.45	0.51	0.55	0.68	0.84	0.97	1.19	1.38	1.59
03	10-min	0.24	0.28	0.30	0.35	0.40	0.43	0.52	0.65	0.76	0.92	1.07	1.24
03	5-min	0.13	0.15	0.17	0.19	0.22	0.24	0.30	0.37	0.43	0.53	0.61	0.71

APPENDIX D



Date:

4-15-11

Job No.:

Site I.D.:

Unit I.D.:

Logger Type:

Installed by:

Community :

Location :

Pipe Size & Type:

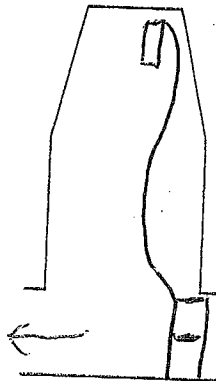
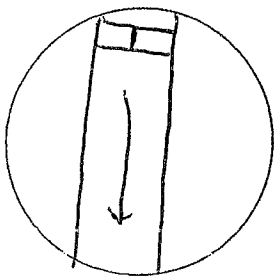
Lakewood

Lincoln - South of Madison 12

13" Clay

Site sketch (show flow direction, probe placement and manhole location)

Site Location:



Comments: Over Under

actuell location is at 2056 Lincoln

Site Visit Information

[illegible]



Date:

4.15-16

Job No.:

Site I.D.:

Unit I.D.:

Logger Type:

Installed by:

Community :

Location :

Pipe Size & Type:

Lake Wood

Lincoln⁵ - Madison 100

600

Concrete

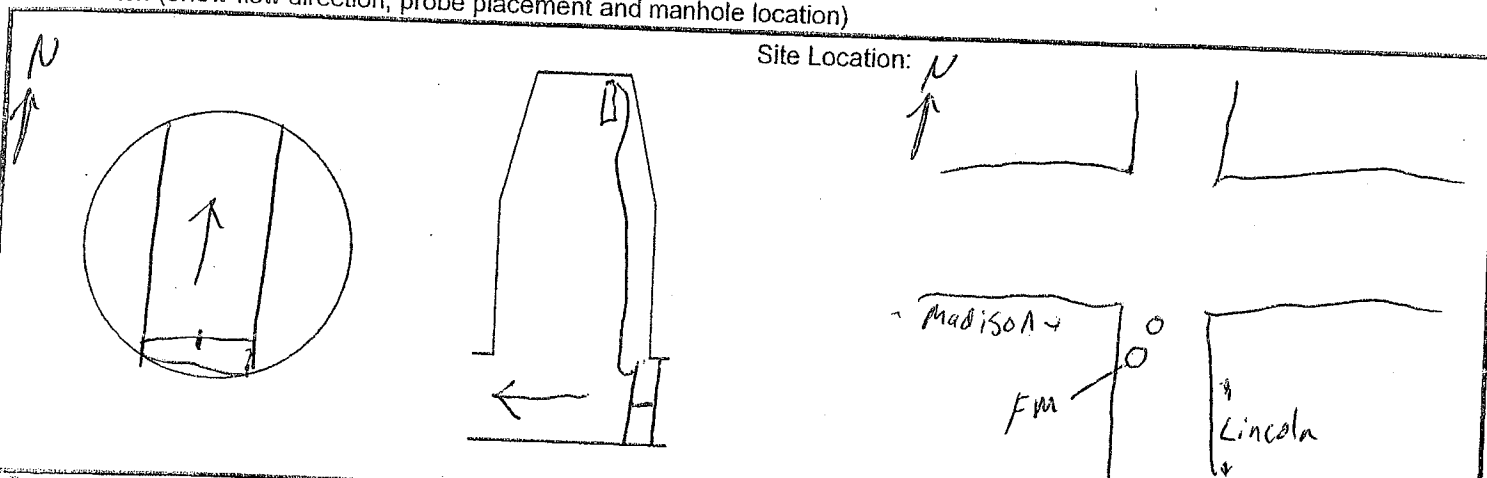
9

W M K

910 Rental

29K. Damsa

Site sketch (show flow direction, probe placement and manhole location)



Comments: Combination Censor at 430

7" of Sediment

Site Visit Information

[illegible]



Date:

4-13-11

Job No.:

Site I.D.:

Unit I.D.:

Logger Type:

Installed by:

Community :

Location :

Pipe Size & Type:

Lakewood

Madison-Lincoln

12" Concrete

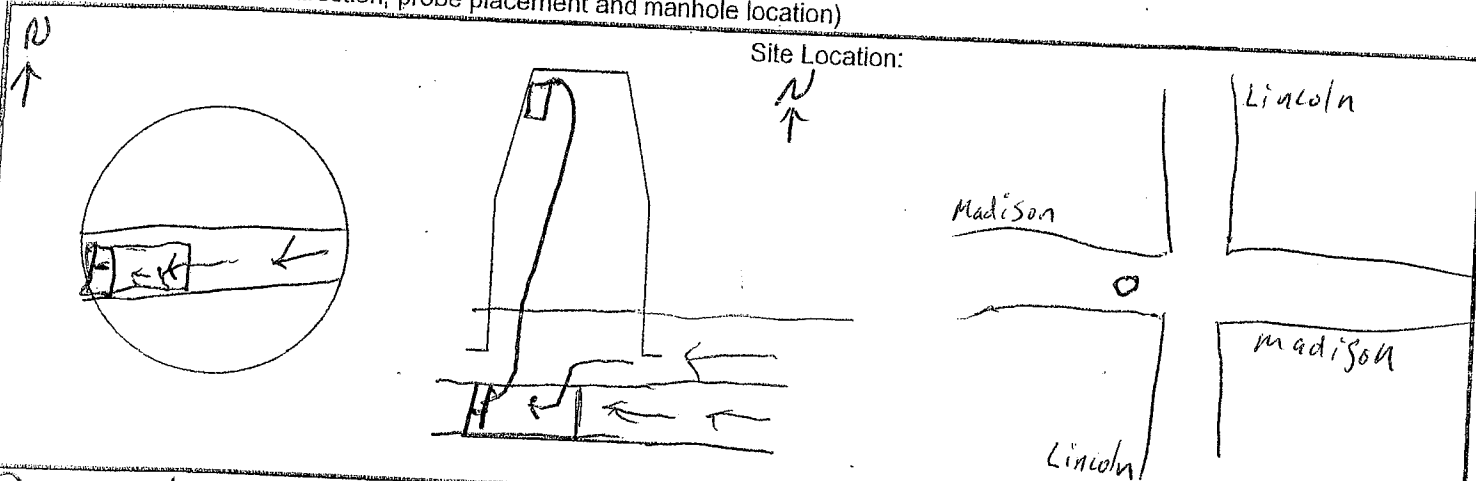
3

SAC

910 Rental

29K

Site sketch (show flow direction, probe placement and manhole location)



Comments: Combination Drooping into Sanitary
Drop in, in front of Sensor. Sensor is Down Flow

actual location is 14406 madison

Site Visit Information

[illegible]



Date:

Job No.:

Site I.D.:

Unit I.D.:

Logger Type:

Installed by:

Community :

Location :

Pipe Size & Type:

Lakewood

Warren-Madison 4 (2018 Warren)

10" Clay

4-12-10

4

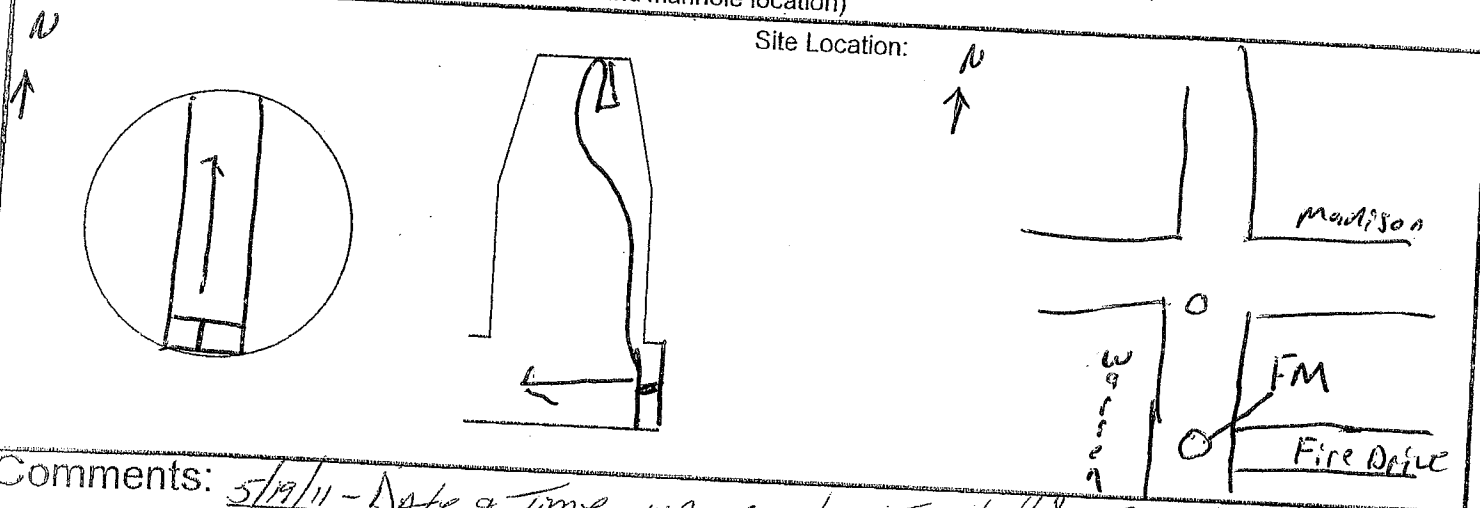
T91

910 Rental

 $2, K$

Site sketch (show flow direction, probe placement and manhole location)

Site Location:



Comments: 5/19/11 - Date & Time wrong when installed, Reset 5/19/11

Site Visit Information

[illegible]



Date:

Job No.:

Site I.D.:

Unit I.D.:

Logger Type:

Installed by:

Community :

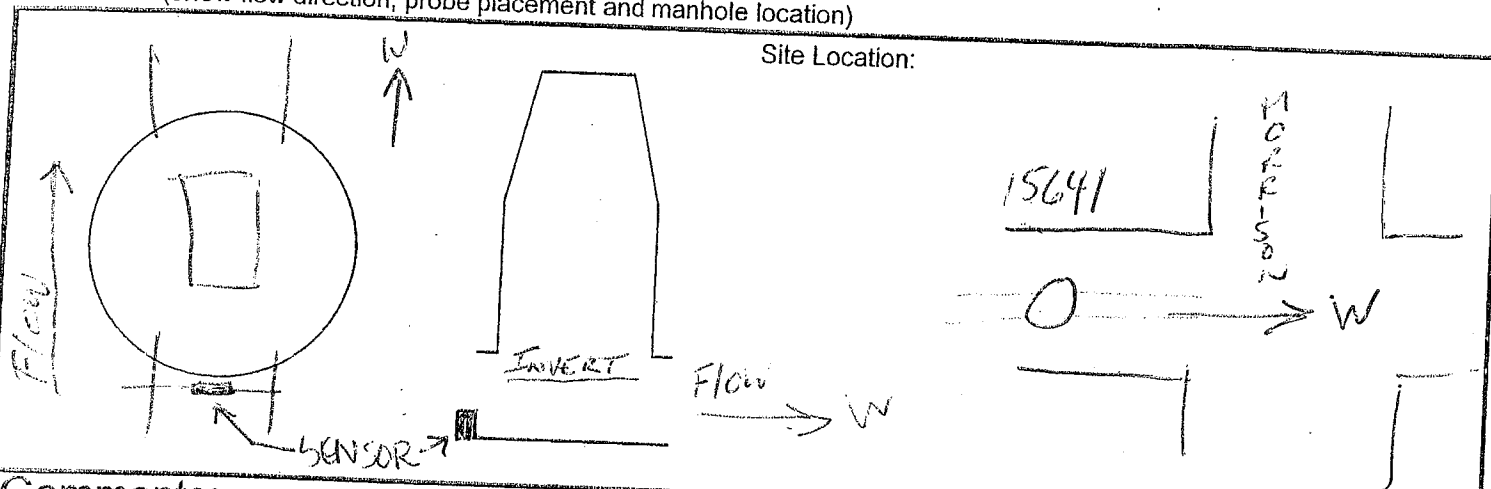
Location :

Pipe Size & Type:

LKWD
MADISON-MORRISON 052-16
12" SANITARY PVC

Site sketch (show flow direction, probe placement and manhole location)

Site Location:



Comments:

Site Visit Information

[illegible]



Date:

4-7-11

Job No.:

Site I.D.:

#

Unit I.D.:

Logger Type:

Installed by:

Community :

Location :

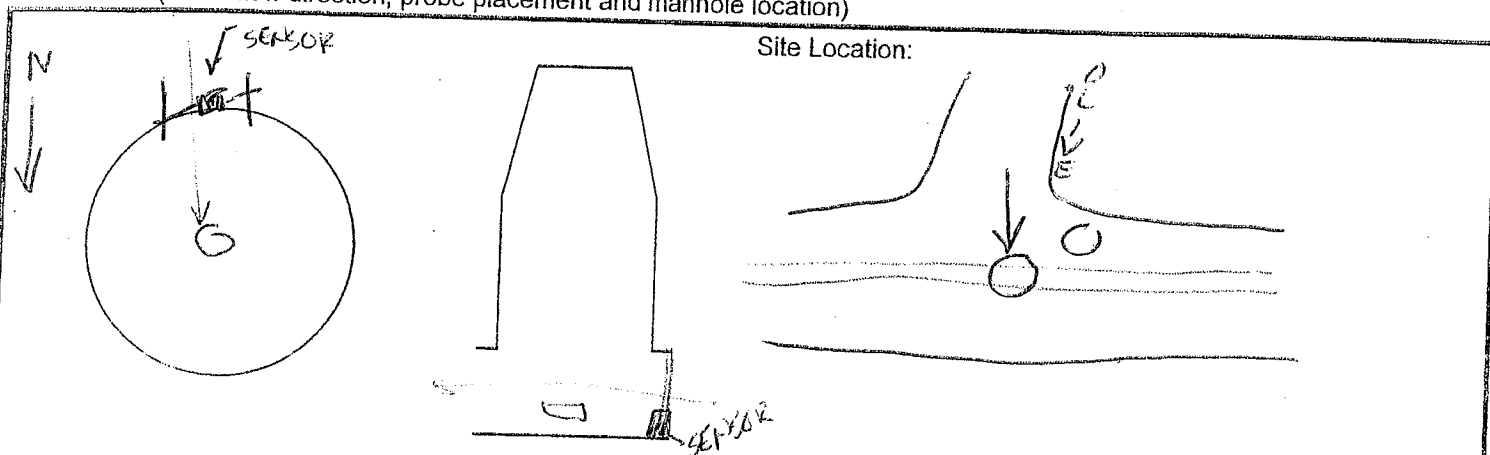
Pipe Size & Type:

UKWD

OLIVE / HILLIARD 052-90

30" COMBINATION

Site sketch (show flow direction, probe placement and manhole location)



Comments:

Site Visit Information

[illegible]

Flow Monitor Site Data Sheet

Community :

Location :

Pipe Size & Type:

Date:

Job No.:

Site I.D.:

Unit I.D.:

Logger Type:

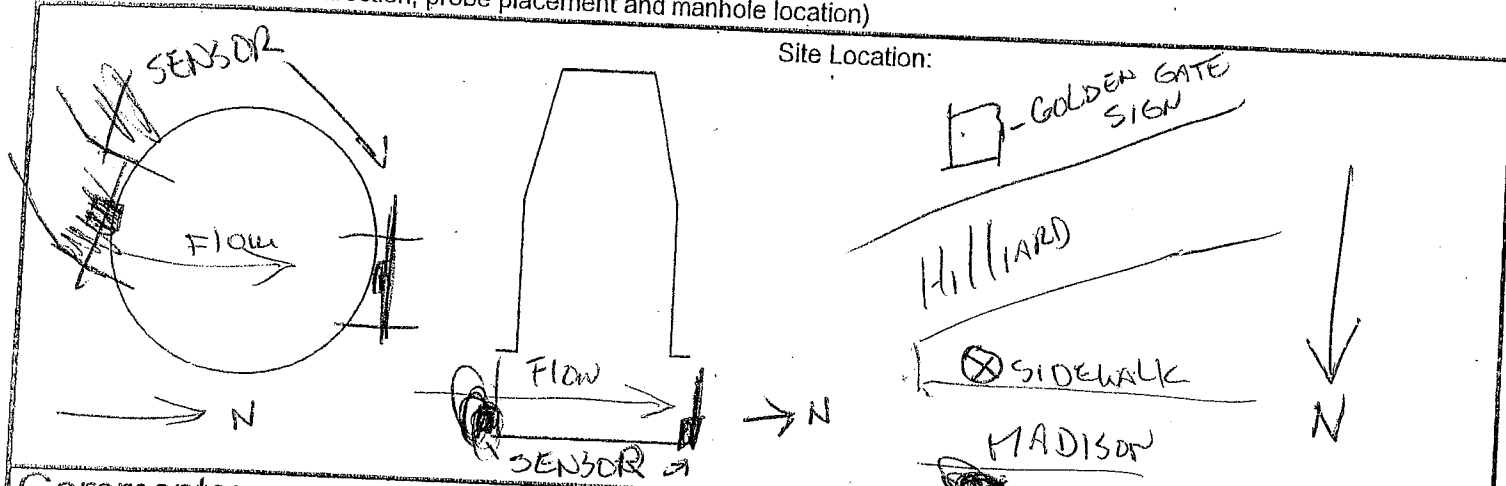
Installed by:

4-9-1)

7

Site sketch (show flow direction, probe placement and manhole location)

Site Location:



Comments:

SENSOR ON DOWNSTREAM BECAUSE OF ANGLE

Site Visit Information

[illegible]



Date:

4-14-11

Job No.:

Site I.D.:

8

Unit I.D.:

VHS

Logger Type:

910 Rental

Installed by:

Zak

Community :

Location :

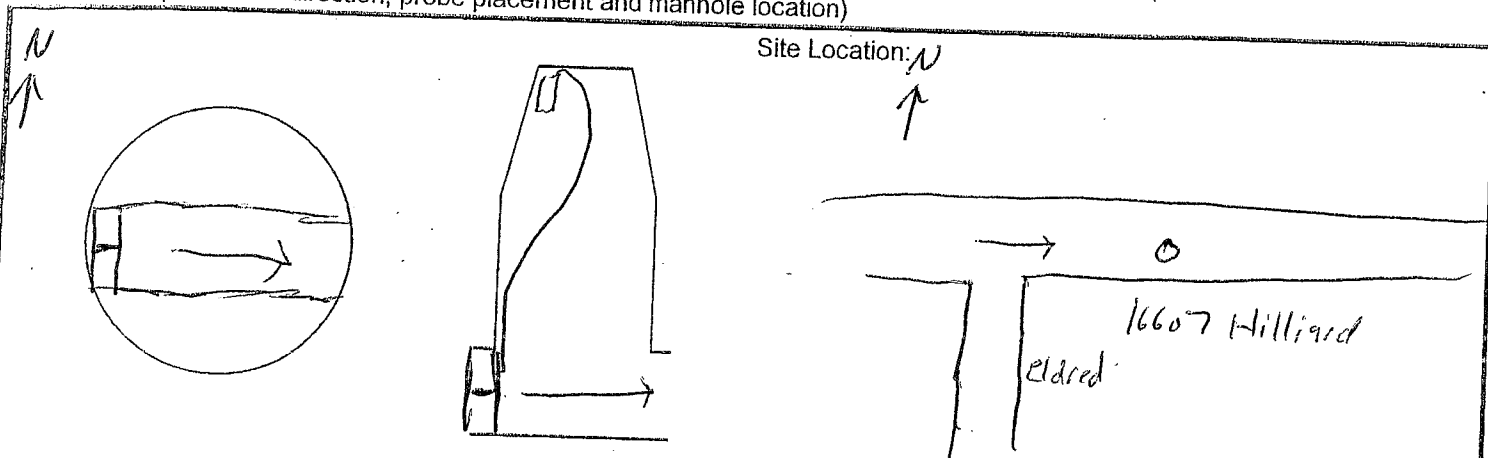
Pipe Size & Type:

Lakewood

Hilliard - East of Eldred

10" Clay

Site sketch (show flow direction, probe placement and manhole location)



Comments: over under

Manhole at 16607 Hillgate Hqs cross member susp.

Site Visit Information

[illegible]

Flow Monitor Site Data Sheet

Date:

Job No.:

Site I.D.:

Unit I.D.:

Logger Type:

Installed by:

Community :

Location :

Pipe Size & Type:

LCWD

MADISON - RIVERSIDE

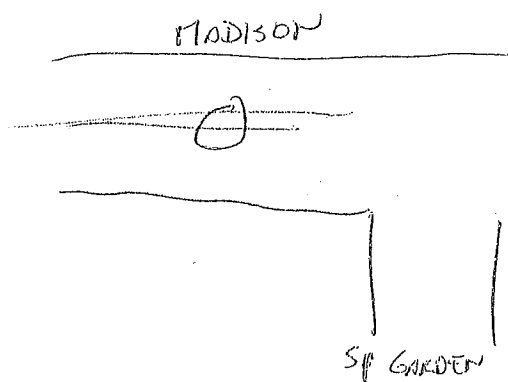
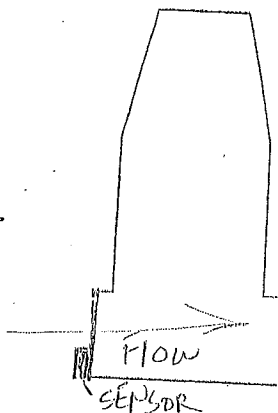
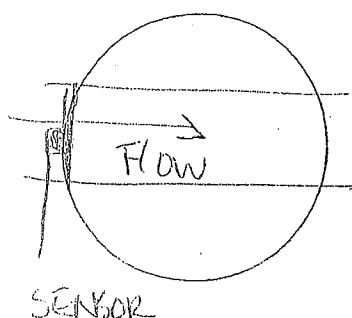
12" Clay Sand

4-21-11

9

Site sketch (show flow direction, probe placement and manhole location)

Site Location:



Comments: RE LOCATED TO MADISON, SPRING GARDEN 052-07

Site Visit Information

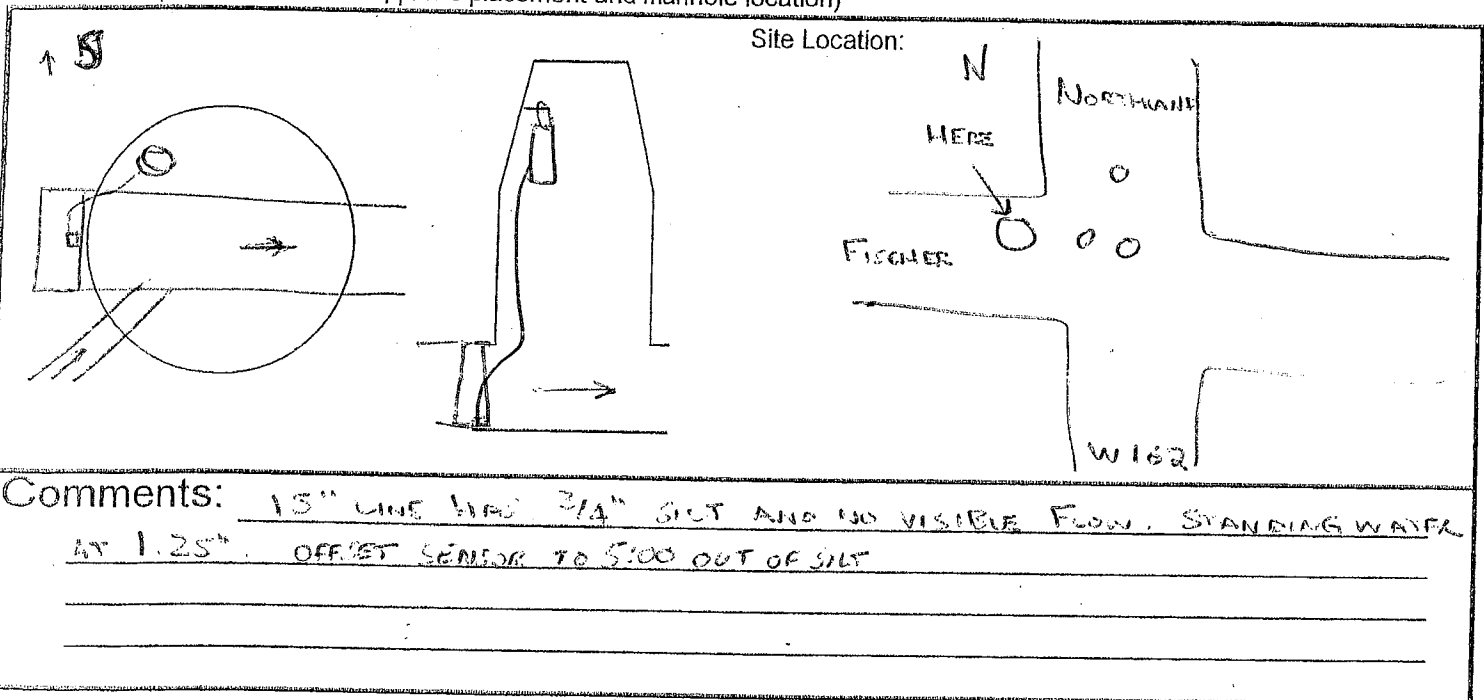
[illegible]



Date:	4-7-11
Job No.:	
Site I.D.:	10
Unit I.D.:	R70
Logger Type:	910 RENTAL
Installed by:	ZAK

Community :	LAKELAND
Location :	FISCHER - NORTHLAND 15
Pipe Size & Type:	15" VC

Site sketch (show flow direction, probe placement and manhole location)

[illegible]



4-7-91

Site I.D.:

11

WQL

Logger Type:

910 RENTAL

Installed by:

ZAK

LAKEWOOD

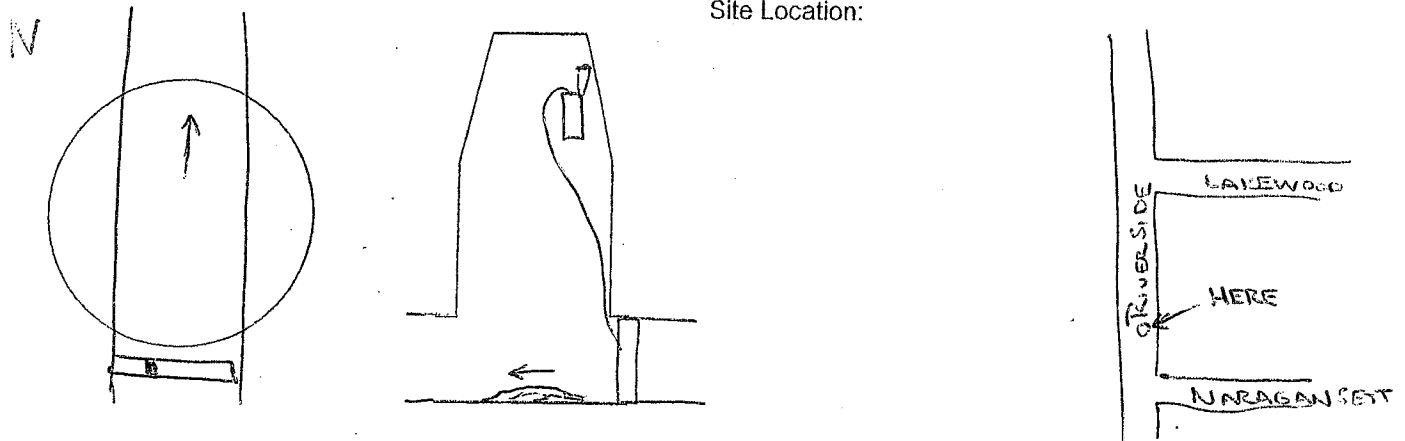
RIVERSIDE North of NARAGANSETT 33

33" CONCRETE

2301 ~~Amfing~~ Riverside

Site sketch (show flow direction, probe placement and manhole location)

Site Location:



Comments: VERY DIRTY LINE. Construction concrete on man hole floor
pulled out 30 Bricks from sewer
OFFSET SENSOR BECAUSE OF SILT.

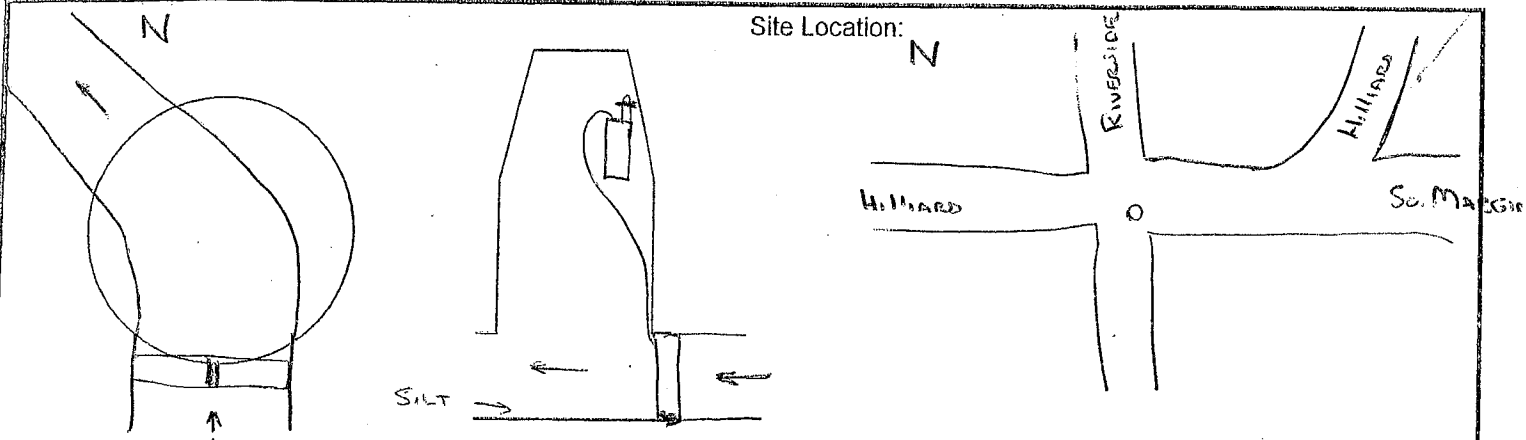
[illegible]



Date:	4-7-11
Job No.:	
Site I.D.:	12
Unit I.D.:	* SQM
Logger Type:	910 RENTAL
Installed by:	ZAK

Community :	LAKESIDE
Location :	RIVERSIDE AT SO. MARGINAL 33
Pipe Size & Type:	33" CONCRETE

Site sketch (show flow direction, probe placement and manhole location)



Comments: SILT AT TIME OF INSTALL WAS 6". REMOVED AND OFFSET SENSOR
*LINE SHOULD BE CLEANED FOR BETTER METERING RESULTS

[illegible]



Date:

4-6-11

13

RIVERSIDE/INDIANOLA

24

Installed by:

Site Location:

[illegible]



Pipe Size & Type:

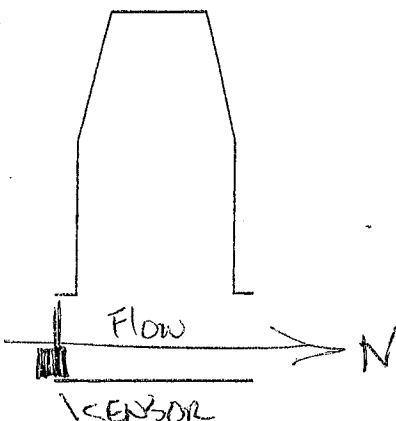
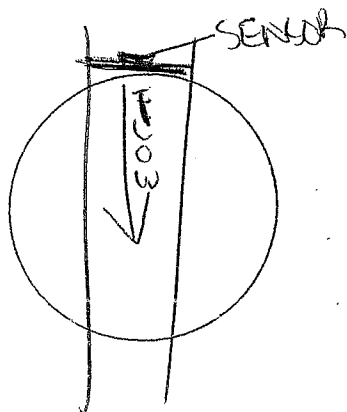
MADISON, RIVERSIDE

Installed by:

4-11-11

14

Site Location:



2029/2031

DALE

6

Comments:

[illegible]



Date:

Job No.:

Site I.D.:

Unit I.D.:

Logger Type:

Installed by:

Community :

Location :

Pipe Size & Type:

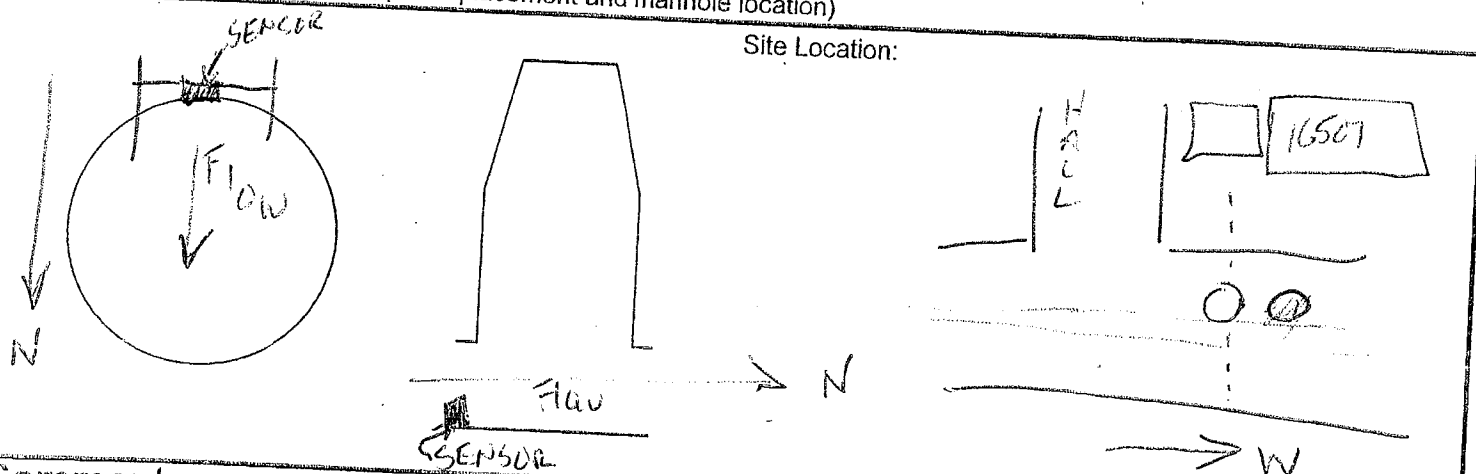
David

LAKE WEST OF HALL

30" COMBINATION VCP

Site sketch (show flow direction, probe placement and manhole location)

Site Location:



Comments: PIPE SIZE IS 30" VERT 28" HORIZONTAL ACTUAL SIZE

Site Visit Information

[illegible]



Flow Monitor Site Data Sheet

Date:

5-5-1

Job No.:

Site I.D.:

17

Unit I.D.:

Logger Type:

Installed by:

Community :

Location :

Pipe Size & Type:

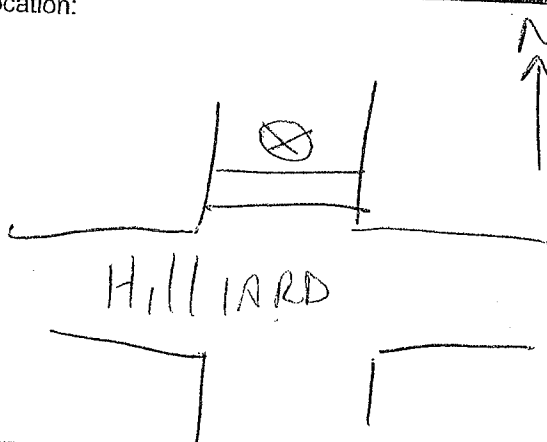
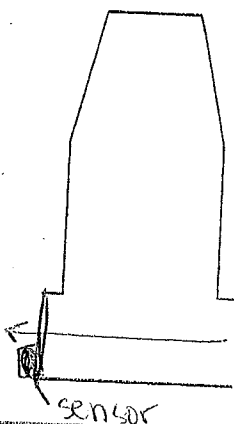
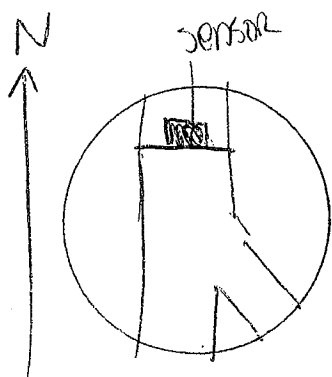
1	KWD
---	-----

VICTORIA / HILLIARD

10" 5.00

Site sketch (show flow direction, probe placement and manhole location)

Site Location:



Comments: RE LOCATED 1 NORTH OF "Y"

Site Visit Information

[illegible]



Date:

Job No.:

Site I.D.:

Unit I.D.:

Logger Type:

Installed by:

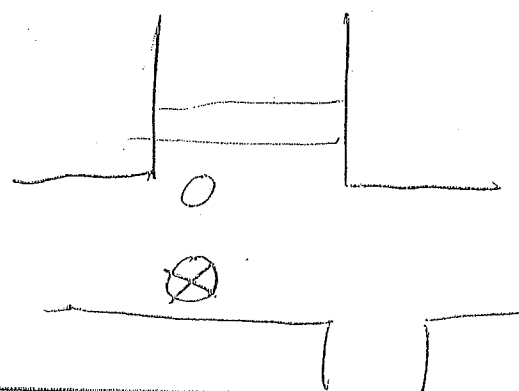
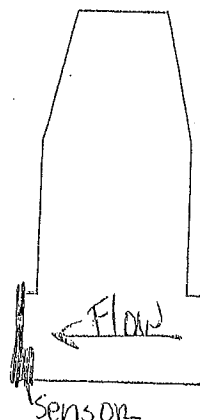
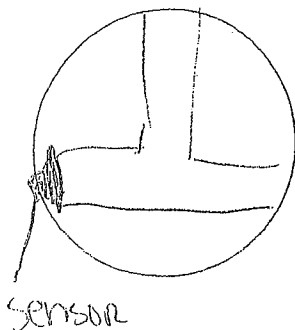
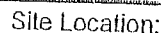
Community :

Location :

Pipe Size & Type:

UWD Elmwood n Detroit
~~Clays S of Clinton~~
12" clay soil

Site sketch (show flow direction, probe placement and manhole location)



Comments: RE LOCATED TO ELMWOOD, DETROIT DOWNSTREAM
INSTALL.

[illegible]

Flow Monitor Site Data Sheet

Community :
Location :
Pipe Size & Type:

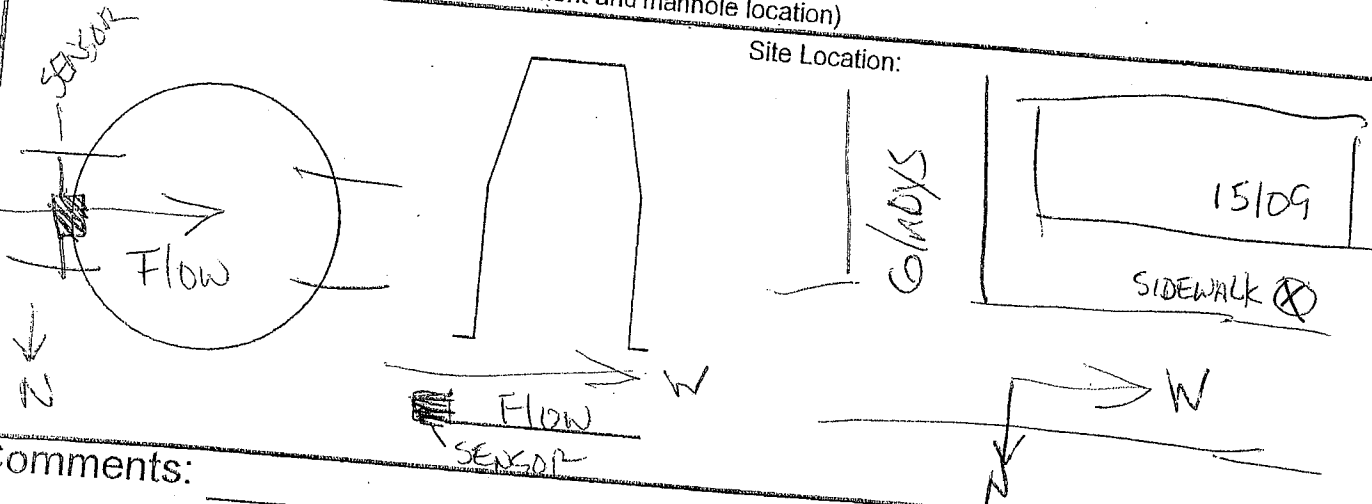
Date:
Job No.:
Site I.D.:
Unit I.D.:
Logger Type:
Installed by:

4.9-11

18

Site sketch (show flow direction, probe placement and manhole location)

Site Location:



Comments:

Site Visit Information

[illegible]



Flow Monitor Site Data Sheet

Community :
Location :
Pipe Size & Type:

L'Kwot
laker red BTw. Rosalia u lakerdats
71" Bri

Date:
Job No.:
Site I.D.:
Unit I.D.:
Logger Type:
Installed by:

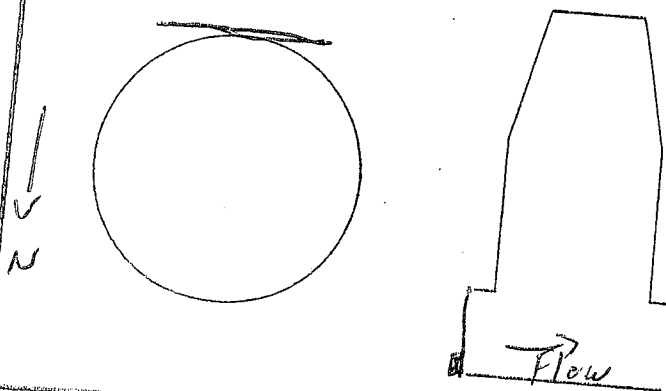
5/19/11

#19

Zimmerman / Slovic
Hards, Charles

Site sketch (show flow direction, probe placement and manhole location)

Site Location:



Comments:

Comments: In driveway of 15119 1st st.
on blkn we found band and screw ripped out of wall and
band pieces missing.

Site Visit Information

[illegible]



Date:

Job No.:

Site I.D.:

Unit I.D.:

Logger Type:

Installed by:

Community :

Location :

Pipe Size & Type:

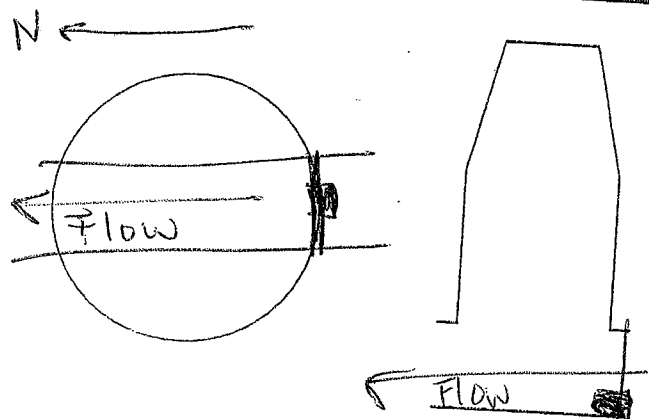
L/CWD
BELLE N OF DETROIT
18" clay

4-15-11

21

~~RA~~ JH BT

Site sketch (show flow direction, probe placement and manhole location)



Site Location:

1 N EAST
SIDEWALK

ALLADINS
ENTRY

BELLE

Comments:

Site Visit Information

[illegible]

Flow Monitor Site Data Sheet

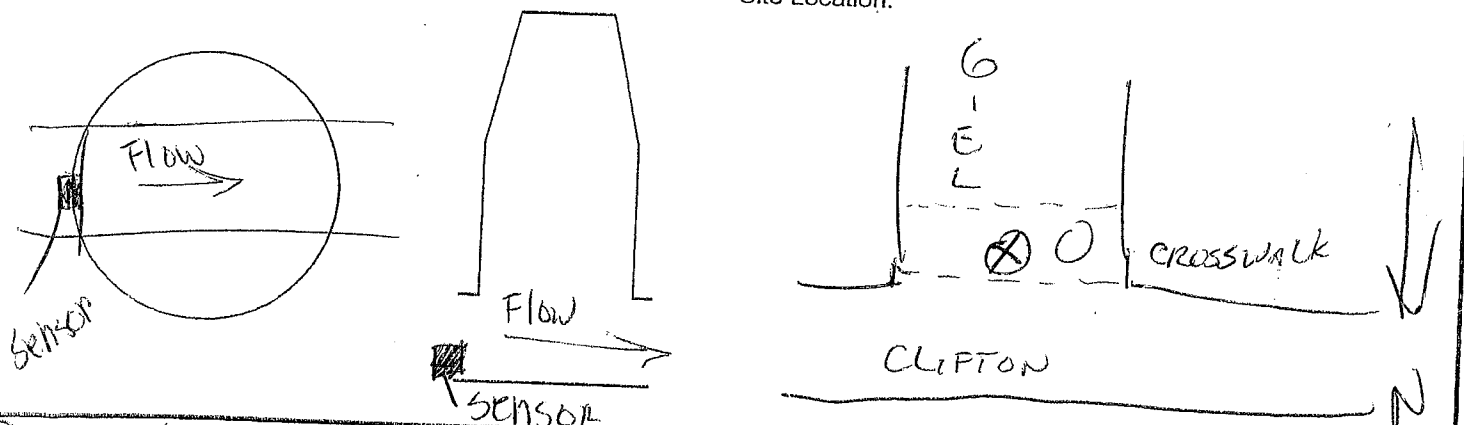
Community :
Location :
Pipe Size & Type:

LEWD
CLIFTON GIEL
15" SANITARY CLAY

Date:	4-9-11
Job No.:	
Site I.D.:	22
Unit I.D.:	
Logger Type:	
Installed by:	DA

Site sketch (show flow direction, probe placement and manhole location)

Site Location:



Comments:

Site Visit Information

[illegible]



Flow Monitor Site Data Sheet

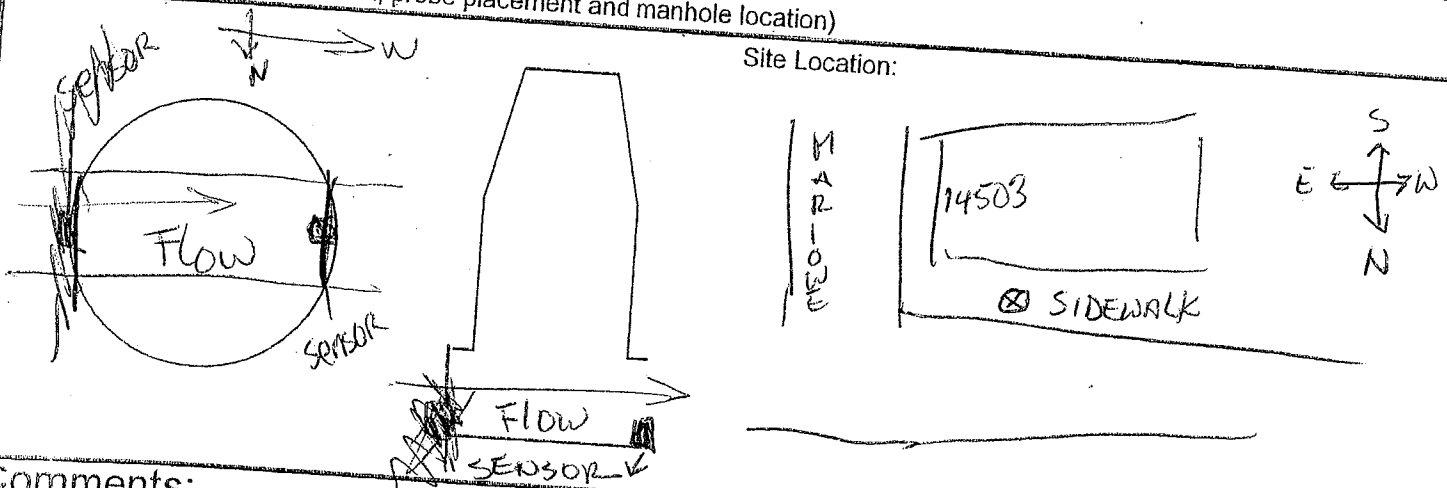
Community :
Location :
Pipe Size & Type:

Date:
Job No.:
Site I.D.:
Unit I.D.:
Logger Type:
Installed by:

23

Site sketch (show flow direction, probe placement and manhole location)

Site Location:



Comments:

Site Visit Information

[illegible]



Flow Monitor Site Data Sheet

Community :
Location :
Pipe Size & Type:

UKWD
UKWD PK
24" clay COMBO

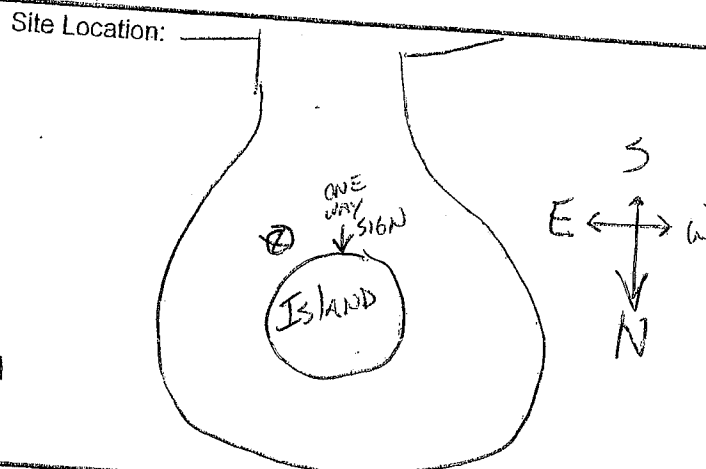
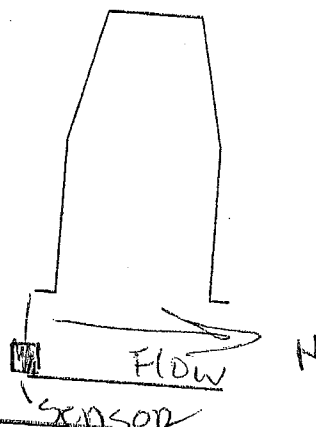
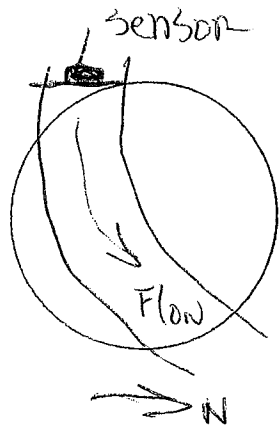
Date:
Job No.:
Site I.D.:
Unit I.D.:
Logger Type:
Installed by:

ψ-9-11

24

DA

Site sketch (show flow direction, probe placement and manhole location)



Comments:

5-12-11

Site Visit Information

[illegible]



Date:

4-18-11

Job No.:

Site I.D.:

25

Unit I.D.:

Logger Type:

Installed by:

Community :

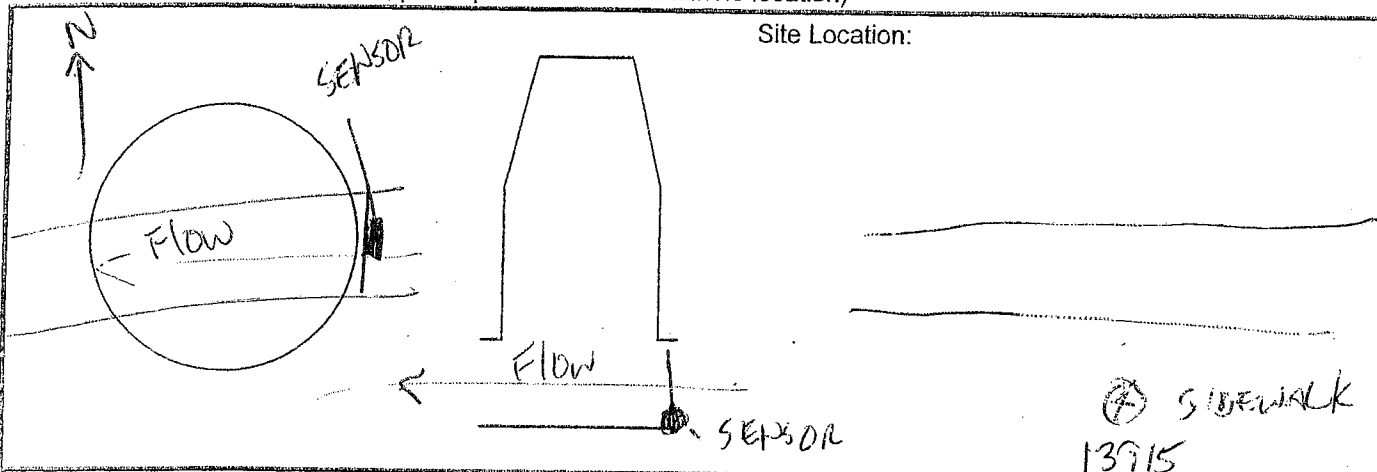
Location :

Pipe Size & Type:

U/CWD
057-85. SIDE CLIPPER W OF CHASE
15" saw clay

Site sketch (show flow direction, probe placement and manhole location)

Site Location:



Comments: MOVED TO 057-28

[illegible]



Date:

Job No.:

Site I.D.:

Unit I.D.:

Logger Type:

Installed by:

Community :

Location :

Pipe Size & Type:

UWD

N SIDE LAKE (13910)

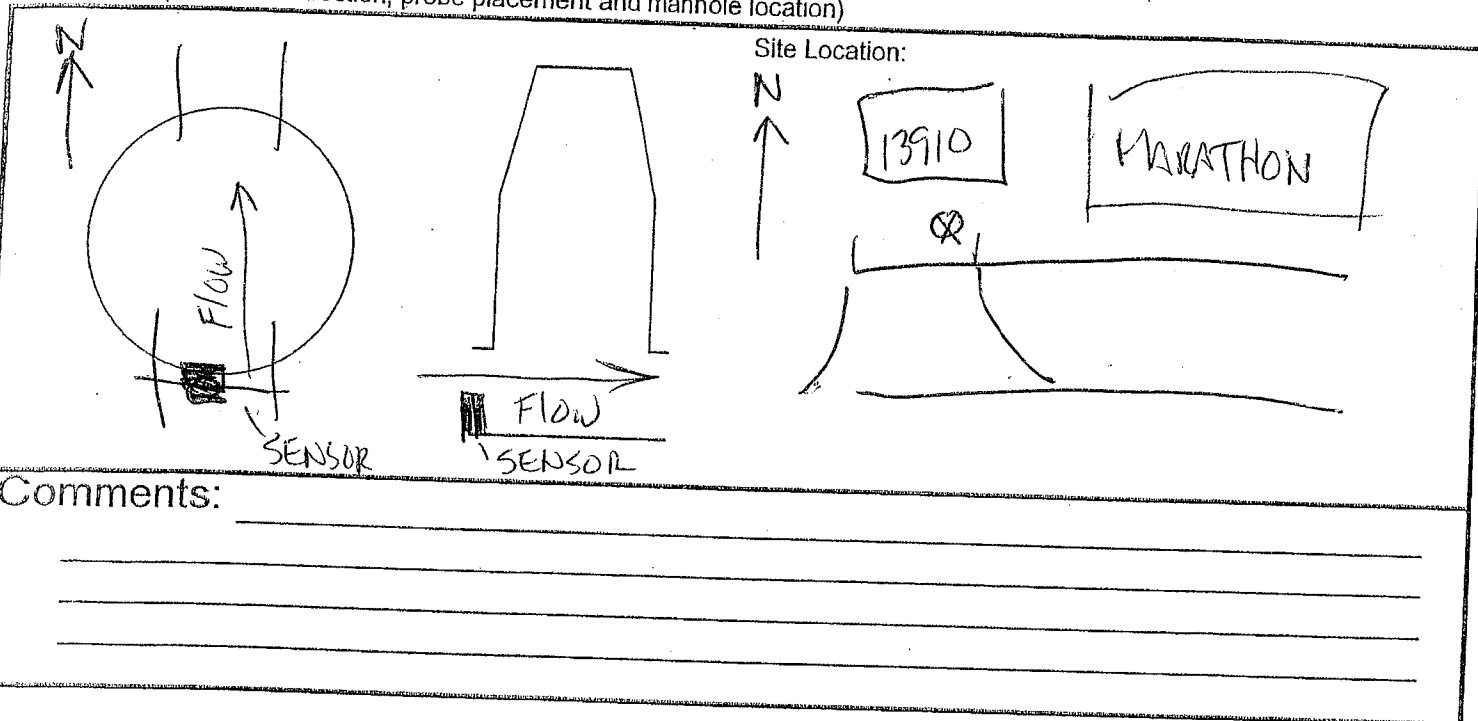
30" clay COMBO

4-15-11

26

Q7A B

Site sketch (show flow direction, probe placement and manhole location)



Site Visit Information

[illegible]



Date:

4-9-11

Job No.:

Site I.D.:

58

Unit I.D.:

3 SFO

Logger Type:

910 RENTAL

Installed by:

ZAK

Community :

Location :

Pipe Size & Type:

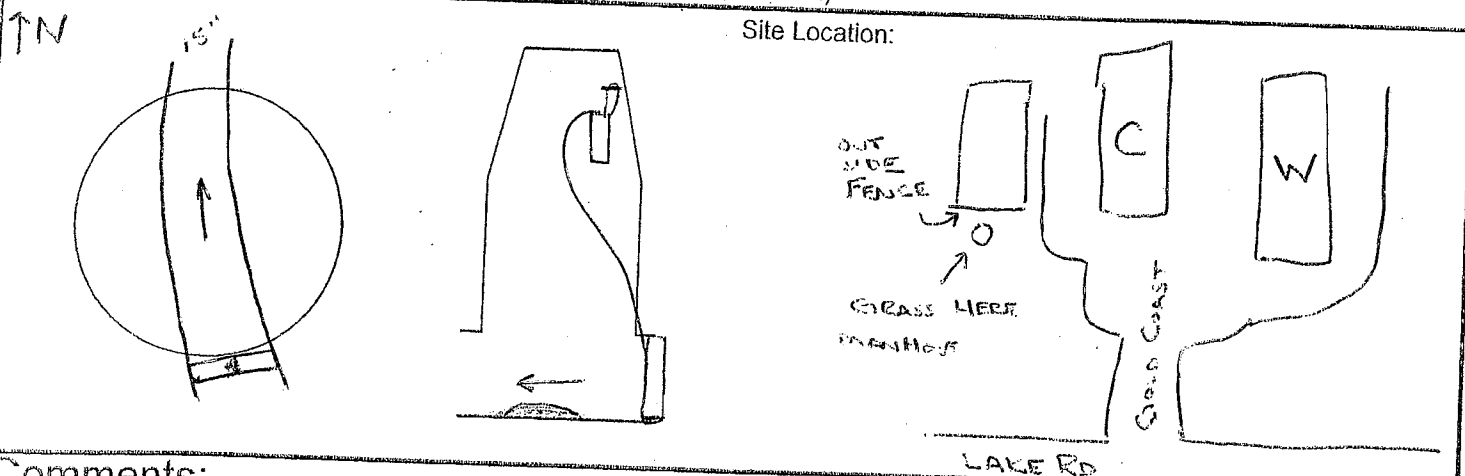
LAKEWOOD

GOLD COAST 15

15" VC

Site sketch (show flow direction, probe placement and manhole location)

Site Location:



Comments:

PIPE WAS CLEAN & TIME OF INSTAL. NO GILT. UNIT HAD TO BE REPROGRAMMED

At Time of install

on 5/15/10 Data would not download)

Site Visit Information

[illegible]



Installed by:

Pipe Size & Type:

LEND
GOLD COAST
42" INTERCEPTOR

510-11

#29

Site Location:

2' OF DEBRIS IN LINE
CANNOT CLEAR ENOUGH
TO INSTALL. NO WAY
TO CLEAN.

5-10-11

Comments:

[illegible]



41-20-11

30

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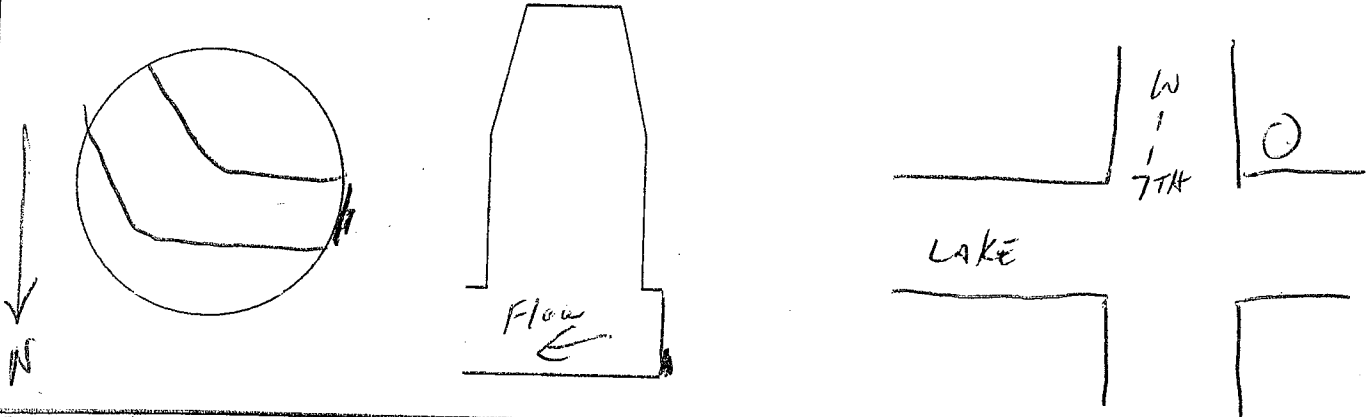
WB, SC, JH, BT

Ujwal

19/11/17

15" clay comb

Site Location:



Comments:

[illegible]



Date:

Job No.:

Site I.D.:

Unit I.D.:

Logger Type:

Installed by:

Community :

Location :

Pipe Size & Type:

L Knoll

Clifton & Hild

18th corn ho

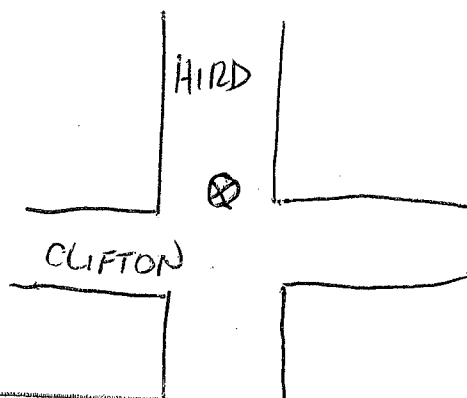
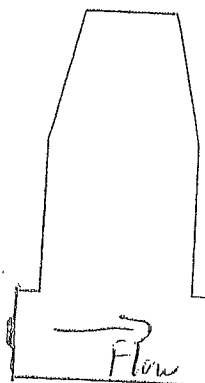
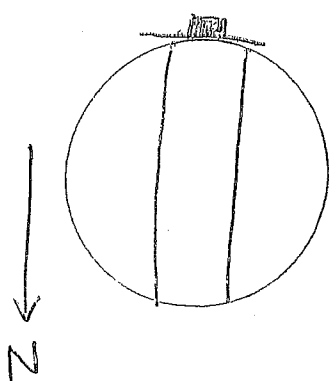
4/20/11

3

SC, JH, WB, BT

Site sketch (show flow direction, probe placement and manhole location)

Site Location:



Comments:

Site Visit Information

[illegible]



Date:

Job No.:

Site I.D.:

Unit I.D.:

Logger Type:

Installed by:

Community :

Location :

Pipe Size & Type:

CKw ol

Madison & Lewis

EGG D

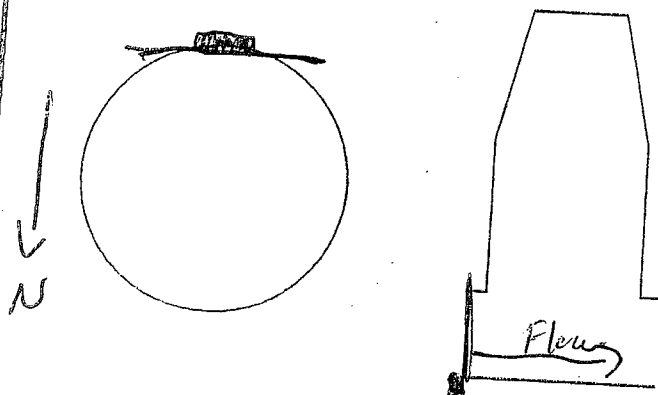
9/26/11

432

SC, ZG, VP, JH, WB

Site sketch (show flow direction, probe placement and manhole location)

Site Location:



Comments:

Overflow dry at instal

Site Visit Information

[illegible]



Date:

Job No.:

Site I.D.:

Unit I.D.:

Logger Type:

Installed by:

Community :

Location :

Pipe Size & Type:

UCLWD
MADISON - ELBUR
36" CONBO

4-15-11

33

Site sketch (show flow direction, probe placement and manhole location)

Site Location:

"1682"

Comments:

Site Visit Information

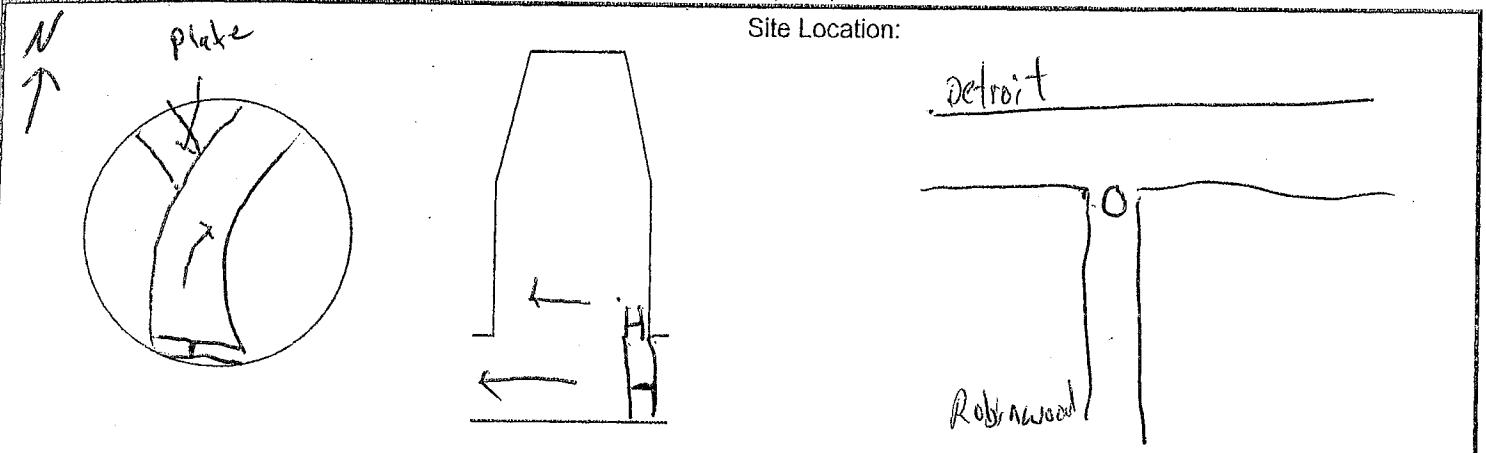
[illegible]



Date:	4-9-11
Job No.:	
Site I.D.:	34
Unit I.D.:	TDO
Logger Type:	910 Rental
Installed by:	ZAK

Community :	Lakewood
Location :	Detroit Robinwood 18
Pipe Size & Type:	18" plastic

Site Location:



Comments: Plate diverting Flow
Manhole in cross walk

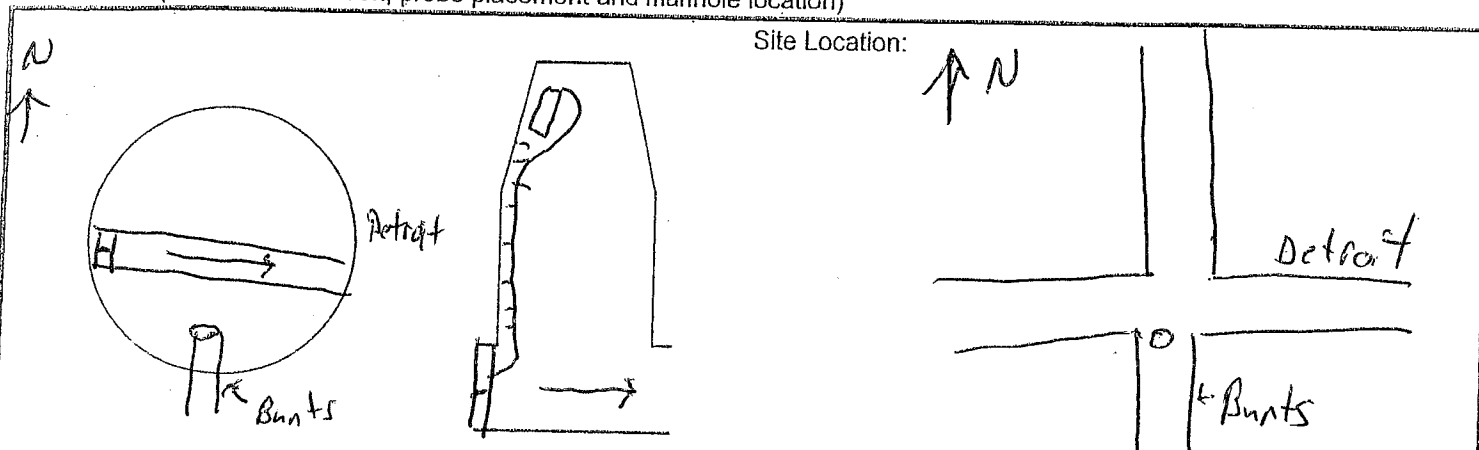
[illegible]



Date:	4-12-11
Job No.:	
Site I.D.:	35
Unit I.D.:	T99
Logger Type:	910 Rental
Installed by:	Zenk

Community :	Lakewood
Location :	Bentley Detroit - Bunts 12
Pipe Size & Type:	12" PVC

Site sketch (show flow direction, probe placement and manhole location)



Comments: Censor is set at 5 o'clock, Detroit Flow only

[illegible]



Date:

4-9-11

Job No.:

Site I.D.:

36

Unit I.D.:

WZ H

Logger Type:

910 RENTAL

Installed by:

ZAK

Community :

Location :

Pipe Size & Type:

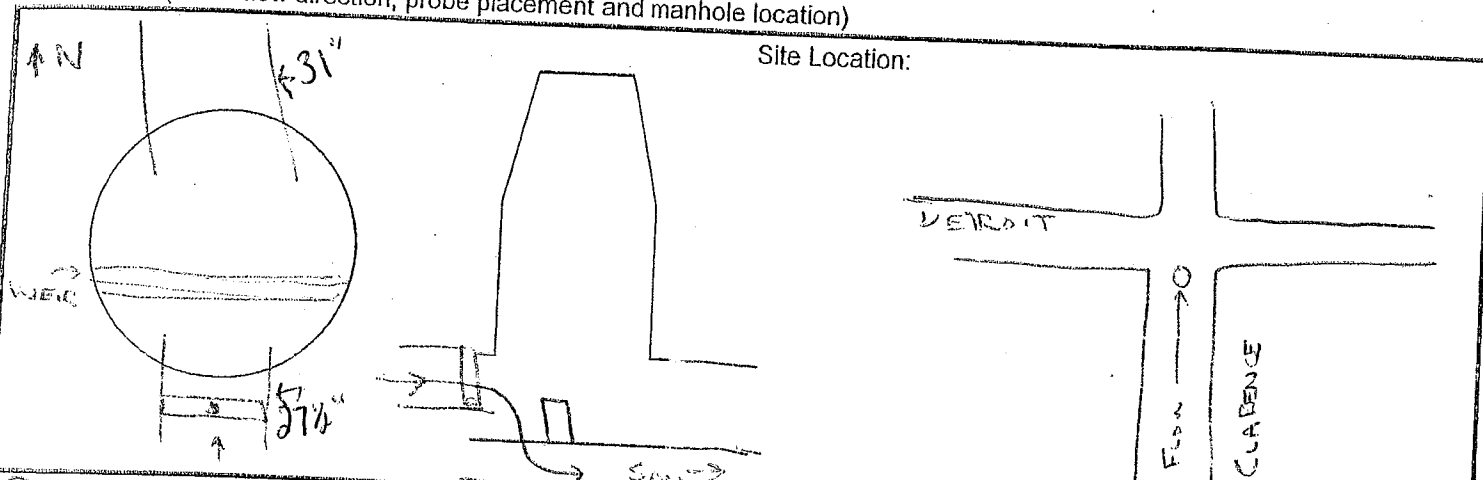
LAKELAND

DETROIT - CLARENCE 27

6/11 27.5 COMPLETED

Site sketch (show flow direction, probe placement and manhole location)

Site Location:



Comments:

Site Visit Information

[illegible]

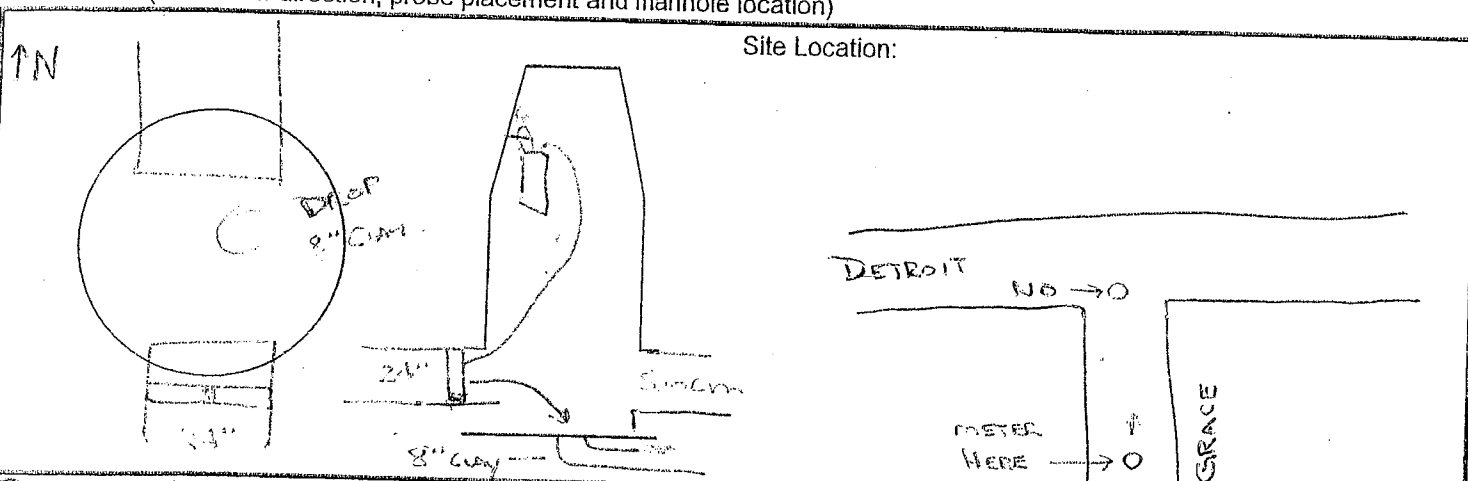


Date:	4-9-11
Job No.:	
Site I.D.:	37
Unit I.D.:	UPV
Logger Type:	710 RENTAL
Installed by:	ZAK

Community :
Location :
Pipe Size & Type:

LAKELAND
DETROIT - GRACE
24" CONCRETE

Site sketch (show flow direction, probe placement and manhole location)



Comments: actual Manhole is at 14/4 Grace

[illegible]



4-9-11

38

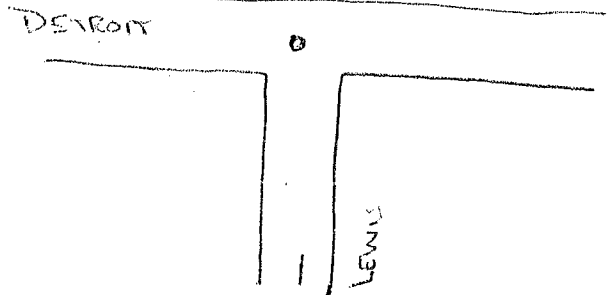
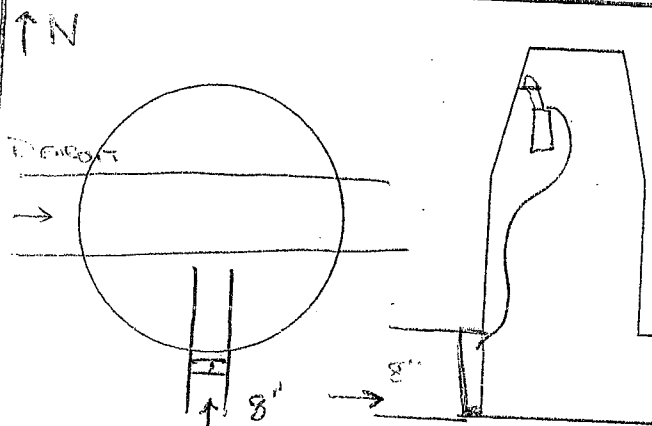
TEH

910 RENTAL.

ZAK

8" PVC

N



Comments: High Velocity

[illegible]



Date:	4-9-11
Job No.:	
Site I.D.:	39
Unit I.D.:	TAR
Logger Type:	910 Rental
Installed by:	ZAK

Pipe Size & Type:

Nicholson - Hazelwood 12

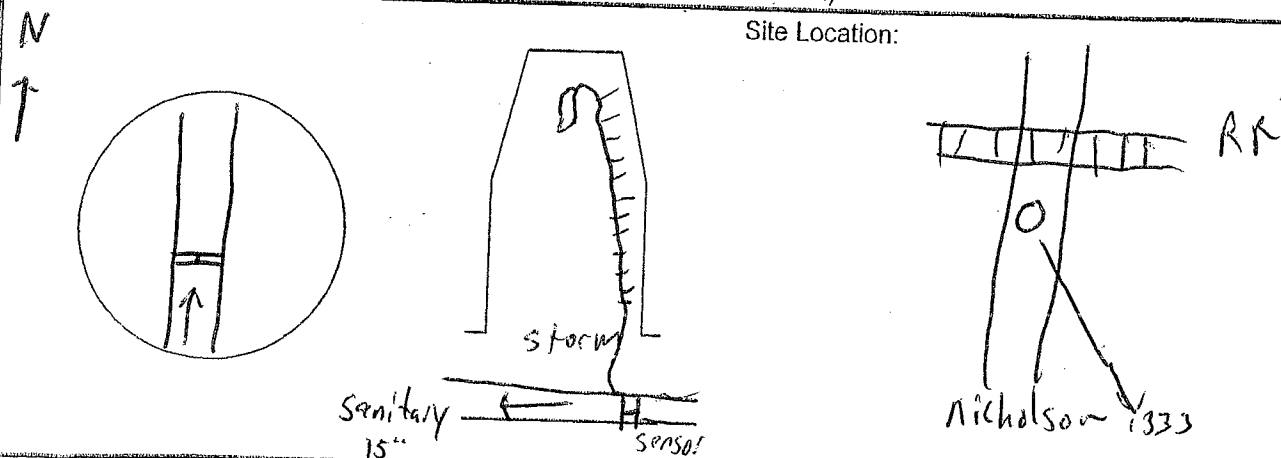
LAKEWOOD

Nicholson - Hazelwood 15 (1333 Nicholson)

15 clay (Actual 12")

Site sketch (show flow direction, probe placement and manhole location)

Site Location:



Comments: actual site is 1333 Nicholson. Heavy Flow - High Velocity
Invert cover missing
Man Hole casting broke.

[illegible]



Date:

Job No.:

Site I.D.:

Unit I.D.:

Logger Type:

Installed by:

Community :

Location :

Pipe Size & Type:

Lkw

13909 Edgewater

8th class 440

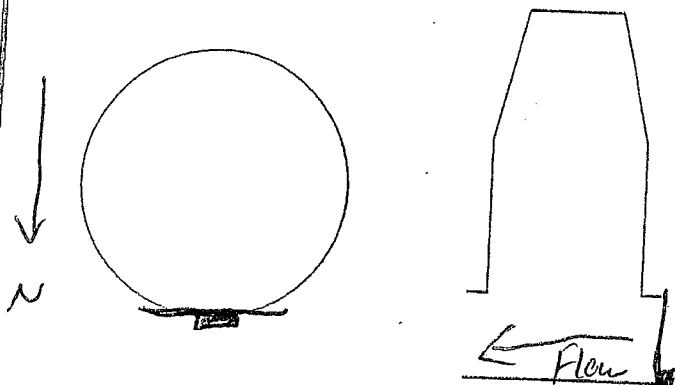
4126/4

45

Зб. в. р. з. с. н. в. б.

Site sketch (show flow direction, probe placement and manhole location)

Site Location:



Comments:

Site Visit Information

[illegible]

Flow Monitor Site Data Sheet

Community :

Location :

Pipe Size & Type:

Lakewood

Clifton West of Nicholson 15

15" Clay

Date:

4-19-11

Job No.:

Site I.D.:

Unit I.D.:

Logger Type:

Installed by:

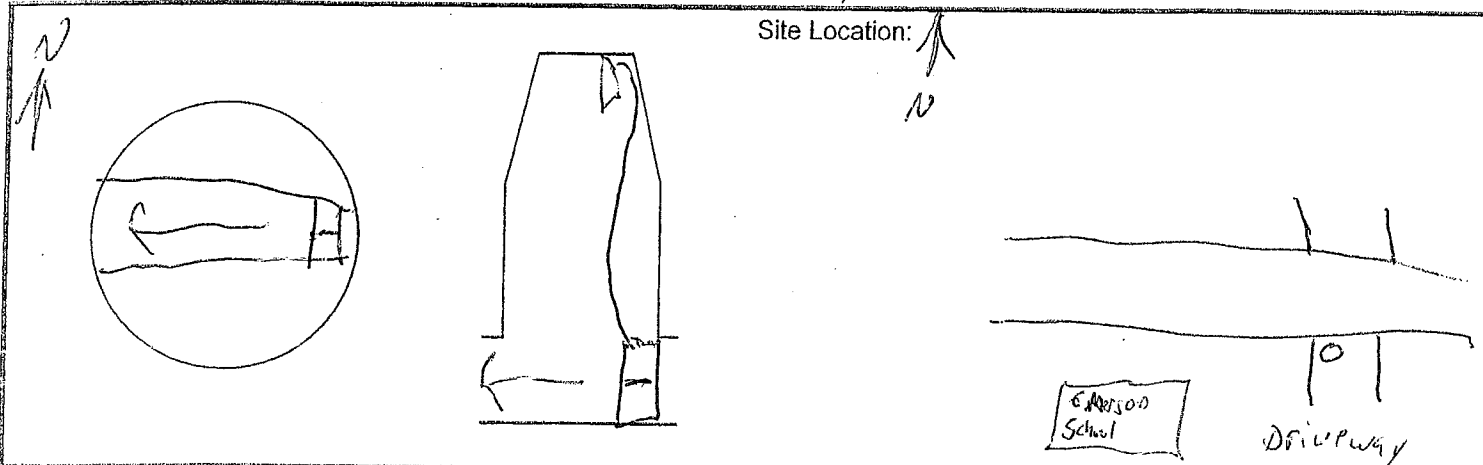
4

V4J

9/10 Rental

T9n01v

Site sketch (show flow direction, probe placement and manhole location)



Comments:

Careful cross member holding Fm

Site Visit Information

[illegible]



Date:

4-14-11

Job No.:

Site I.D.:

42

Unit I.D.:

Y40

Logger Type:

920 LKWD

Installed by:

2-7/K

Community :

Location :

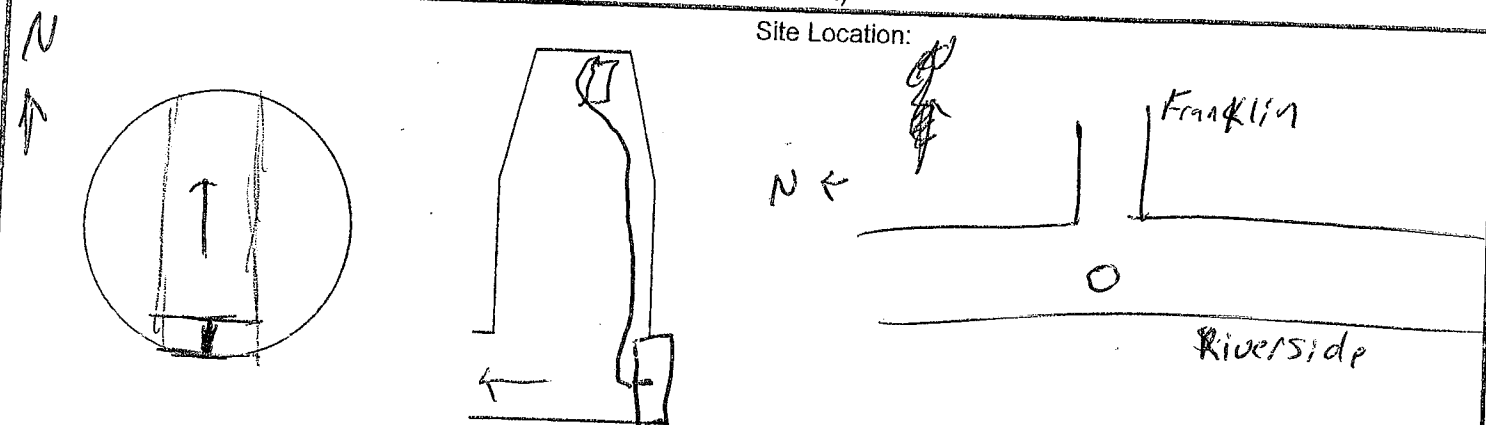
Pipe Size & Type:

Lake Wood

Riverside - W Clifton 42 27

→ 25" ↑ 27.5" Clay

Site sketch (show flow direction, probe placement and manhole location)



Comments: Overlander

FM is actually at Riverside & Franklin
Pipe is $\rightarrow 25''$ by $\uparrow 27\frac{1}{2}$

Has cross memb. & susp.

Site Visit Information

[illegible]



CT Consultants
engineers | architects | planners

Serial # → 040200001759
(V08) R4900

Flow Monitor Site Data Sheet

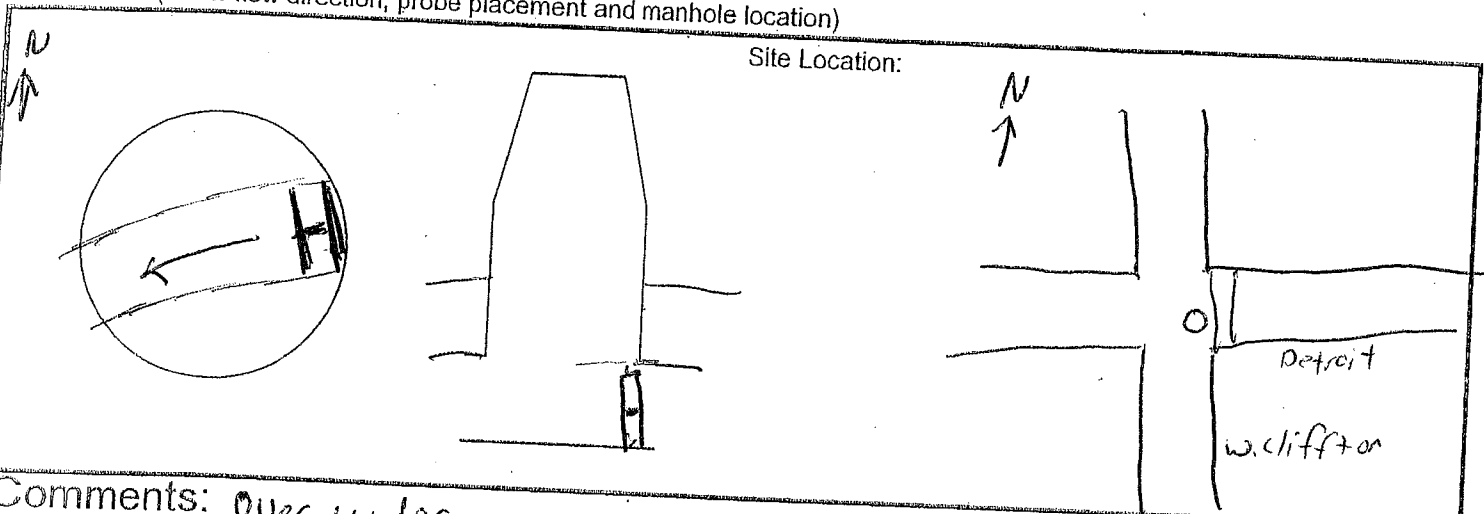
Date: 4-14-11
Job No.:
Site I.D.: 43
Unit I.D.: T6X
Logger Type: 910 Rental
Installed by: Zak

Community :
Location :
Pipe Size & Type:

Lakewood
Detroit - W. Cliffbrn 15
15" Clay

Site sketch (show flow direction, probe placement and manhole location)

Site Location:



Comments: Over under

hole in Invert cover

Site Visit Information

Date	Actual Time	Logger Time	Actual Depth	Logger Depth	Actual Velocity	Logger Velocity	Logger Flow	Battery Volt/Cap	Crew	Comments
4-14-11	2:46	2:44	4.5	4.59	-	1.79	.39	6.0		
5/10/11	2:53P	2:55P	4.75	4.8	-	2.38	.53	5.4	SC SH KZ	
5/25/11	9:36	9:36	4.5	4.5	-	2.06	.14	5.8	SC SH DH	changed Duff comp says no logged data not connecting to comp
6/2/11	9:00	9:00								
6/9/11	11:15	11:15	2.0	2.9	-	1.87	.21	6.0	KZ SH SC	Had to change capacitor.
6/24/11	8:59	8:59	3	2.8	-	2.14	.22	5.9	KZ SC LF	logger not responding changed battery
7/1/11	9:10	9:10							SC RM	
7/7/11	2:28	2:28							KZ SC	logger still not responding changed battery again
7/8/11	12:45	12:45							KZ SC	logger still not responding



Date:

4-14-11

Job No.:

Site I.D.:

44

Unit I.D.:

WAA

Logger Type:

910 Rental

Installed by:

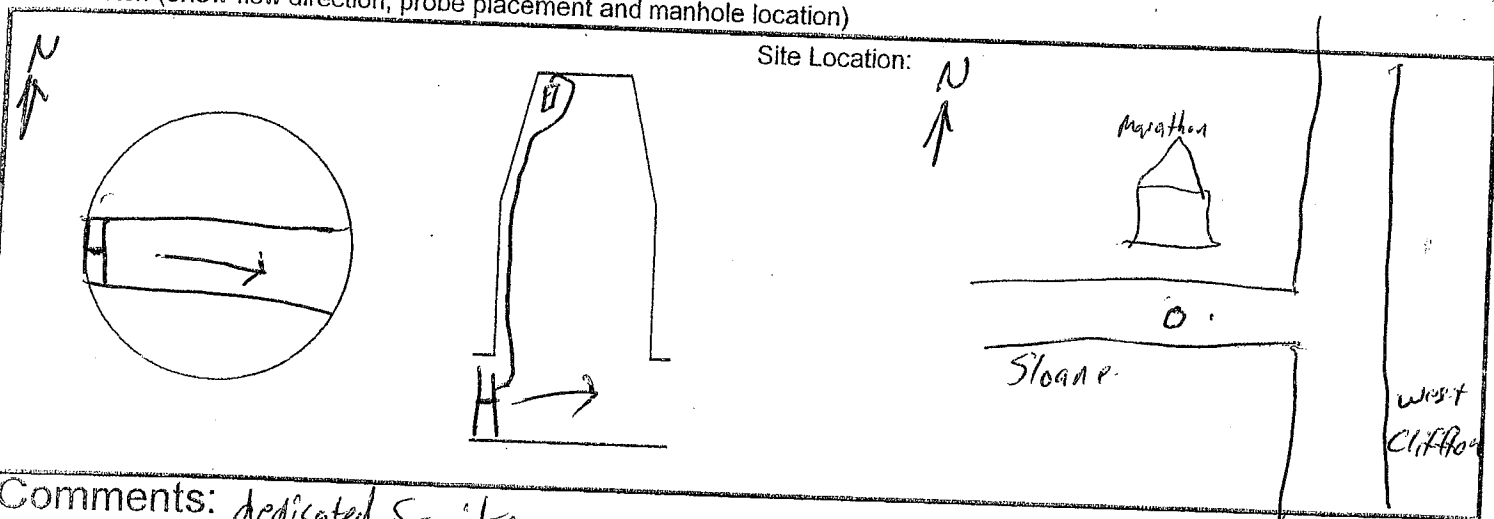
Community :

Location :

Pipe Size & Type:

Lakewood
Sloane + W. Clifton
PVC

Site sketch (show flow direction, probe placement and manhole location)



Comments: dedicated Sanitary

Manhole in front of Marathon on Spauld

Site Visit Information

[illegible]



5-5-11

45

Installed by:

CLFTch RD

[illegible]



Date:

4-20-11

Job No.:

Site I.D.:

46

Unit I.D.:

Logger Type:

Installed by:

SC WB BT

Community :

Location :

Pipe Size & Type:

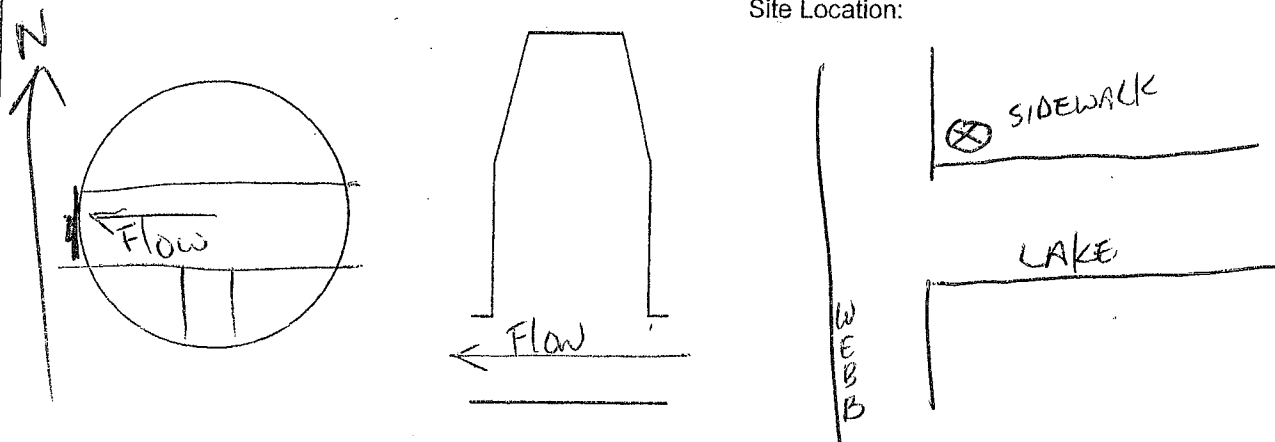
UKWD

LAKE WEBB

12" clay SAN

Site sketch (show flow direction, probe placement and manhole location)

Site Location:



Comments:

[illegible]

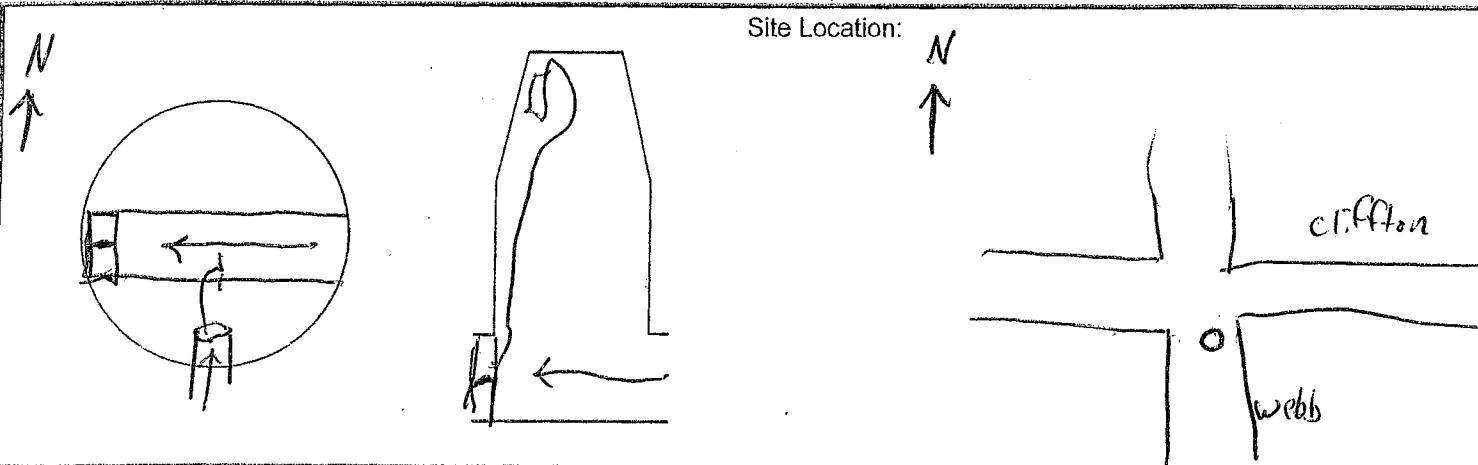


Date:	4-14-11
Job No.:	
Site I.D.:	47
Unit I.D.:	T6 N
Logger Type:	910 Rents
Installed by:	Zak

Community :	Lakewood
Location :	Cliffton - Webb 24
Pipe Size & Type:	24" Clay

Date:	4-14-11
Job No.:	
Site I.D.:	47
Unit I.D.:	T6 N
Logger Type:	910 Rents
Installed by:	Zak

Site Location: 



Comments: Censor on Down Flow side, alot of turbulence in hole.

FM on S side of cliff top

[illegible]



4-15-11

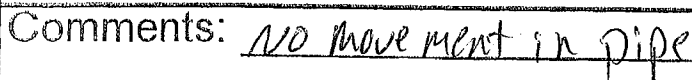
48

SAT

910 Rental

29K

Site Location:



actual location 17460 Clifton

[illegible]



Flow Monitor Site Data Sheet

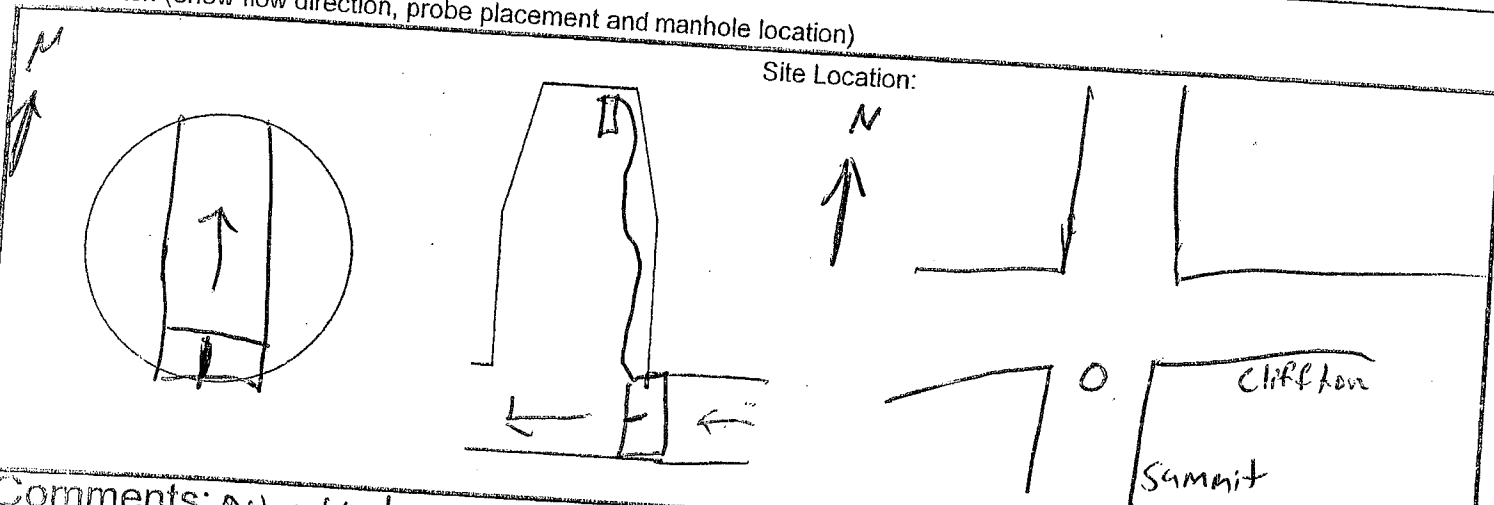
Community :
Location :
Pipe Size & Type:

Lake Wood
Summit-Cliffton 12
12th Clay

Date:
Job No.:
Site I.D.:
Unit I.D.:
Logger Type:
Installed by:

4-15-11
50
T6V
910 Rental
Zurik

Site sketch (show flow direction, probe placement and manhole location)



Comments: Over Under

Site Visit Information

[illegible]



Flow Monitor Site Data Sheet

Date:

Job No.:

Site I.D.:

Unit I.D.:

Logger Type:

Installed by:

Community :

Location :

Pipe Size & Type:

UKWD

LAKELAND - CLIFTON

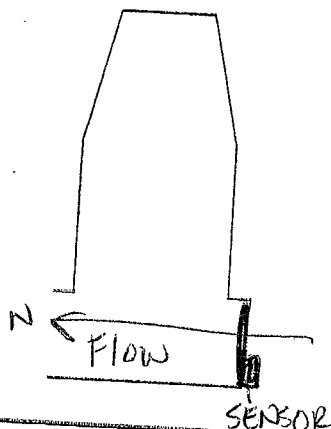
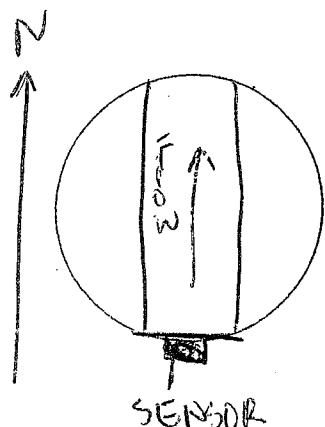
12" clay sand

4-20-11

57

Site sketch (show flow direction, probe placement and manhole location)

Site Location:



A hand-drawn map of the Clifton area. The word "CLIFTON" is written in the upper center. To the left, "SCHOOL" is written above "FLAG POLE". Below "FLAG POLE" is a small circle with an arrow pointing to the right. To the right of the arrow is a vertical line labeled "LAKE ISLAND" written vertically. To the right of the vertical line is a circle with an 'X' inside.

Comments:

RE LOCATED 1 M.H. SOUTH ON LAKE/AND

Site Visit Information

[illegible]



Date:

Job No.:

Site I.D.:

Unit I.D.:

Logger Type:

Installed by:

Community :

Location :

Pipe Size & Type:

Lake wood

Summit - Edgewater 12

12" clay

4-15-11

52

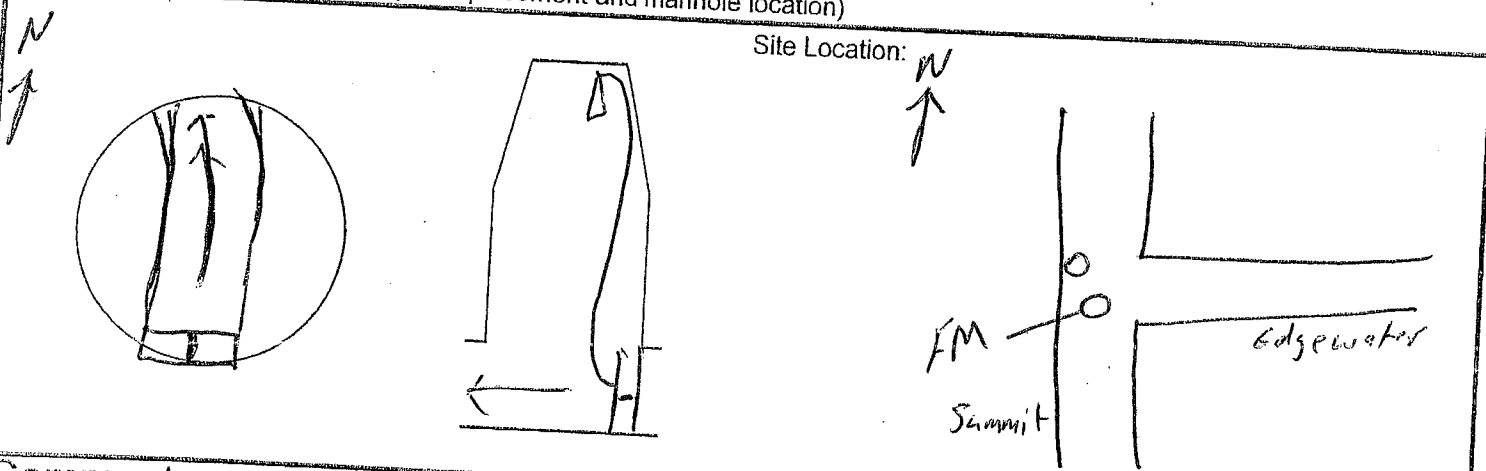
V4T

910 Rental

29k

Site sketch (show flow direction, probe placement and manhole location)

Site Location: *PA 1*



Comments:

Site Visit Information

[illegible]



Flow Monitor Site Data Sheet

Community :
Location :
Pipe Size & Type:

Date:

Job No.:

Site I.D.:

Unit I.D.:

Logger Type:

Installed by:

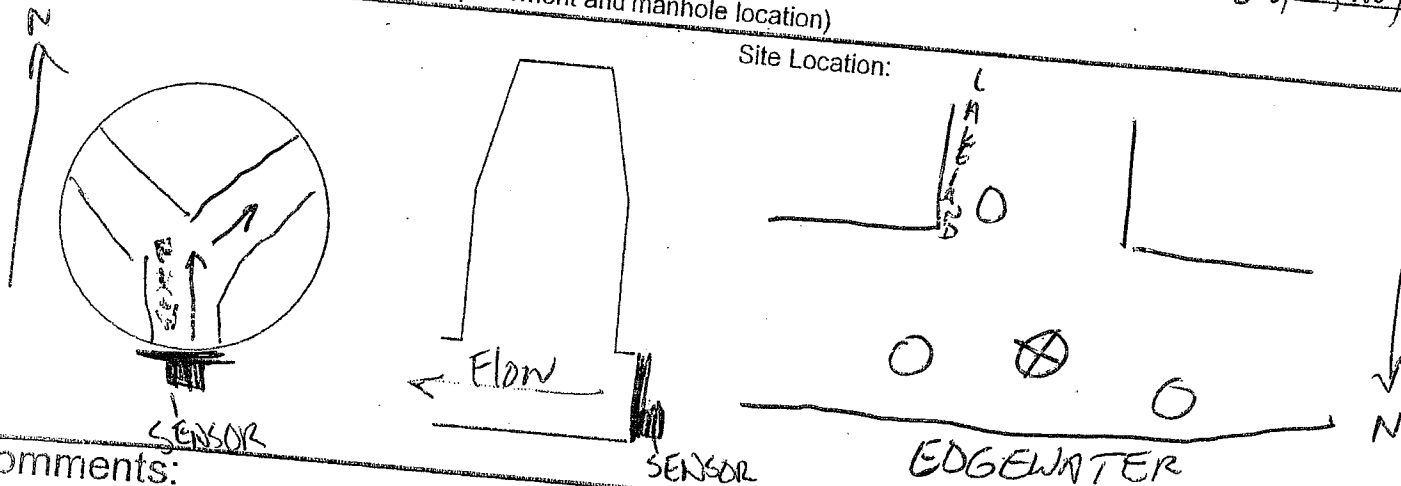
4-20-11

52

DR, SC, WB, JH

Site sketch (show flow direction, probe placement and manhole location)

Site Location:



Comments:

Site Visit Information

[illegible]



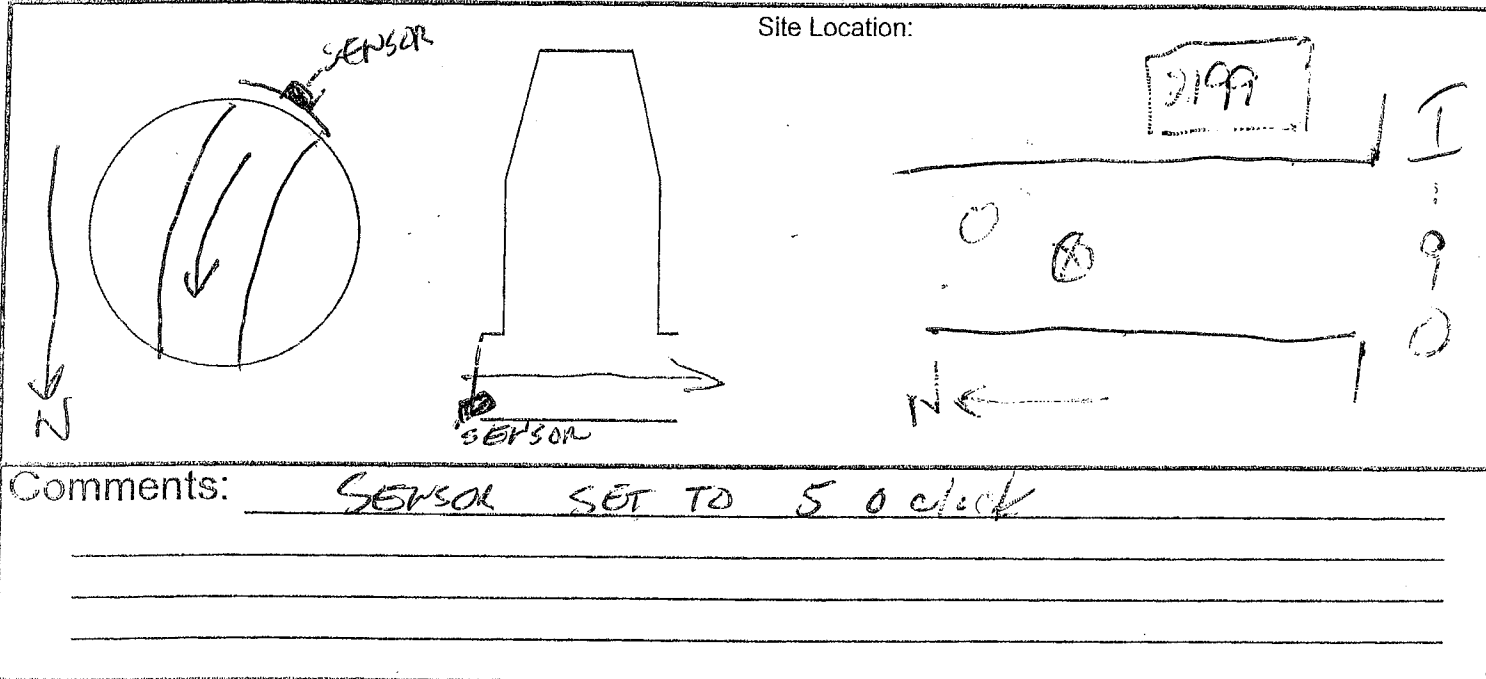
Installed by:

Pipe Size & Type:

24" clay

54

Site Location:

[illegible]



Flow Monitor Site Data Sheet

Community :

Location :

Pipe Size & Type:

LKW
MAD - RIVERSIDE
"30" OVERTON

Date:

Job No.:

Site I.D.:

Unit I.D.:

Logger Type:

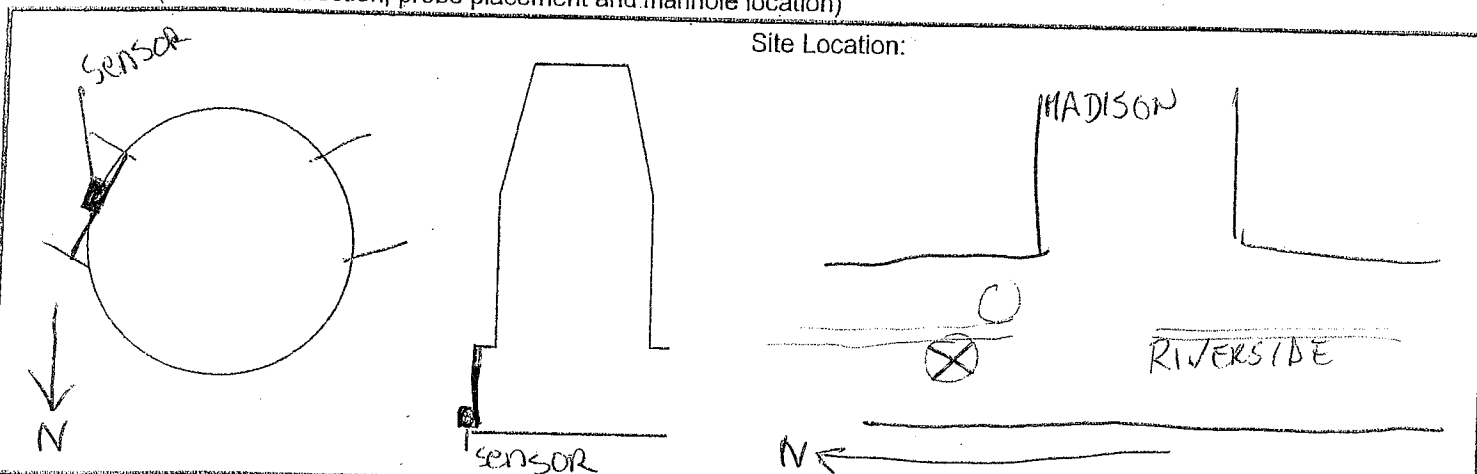
Installed by:

3-6-11

55

DA/SETH/K2

Site sketch (show flow direction, probe placement and manhole location)



Comments:

Site Visit Information

[illegible]

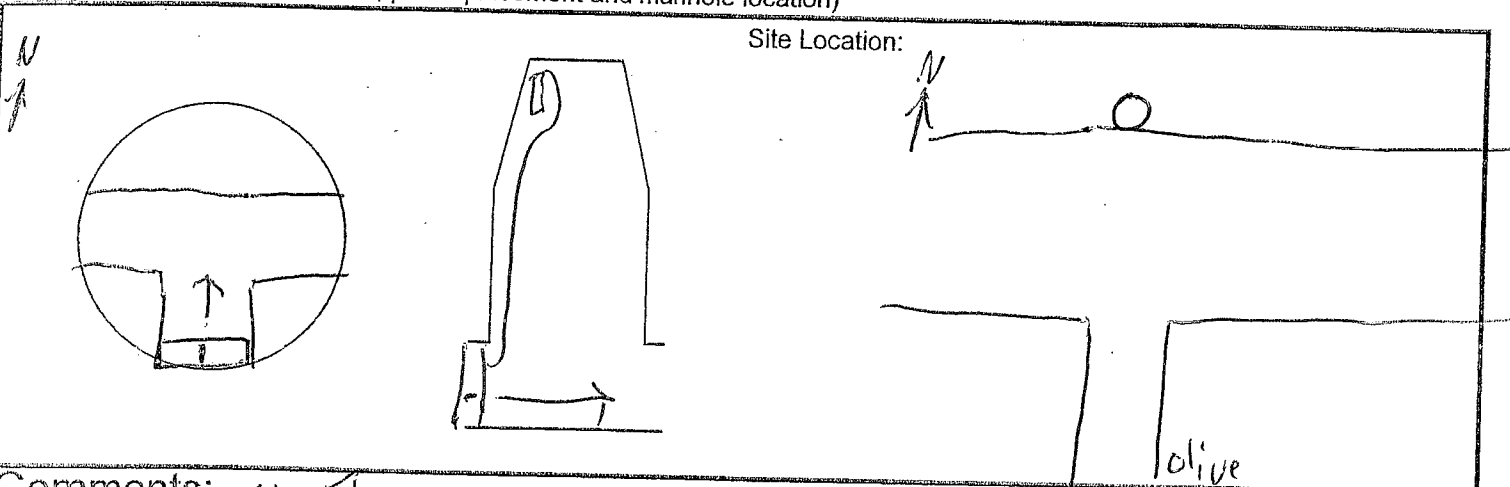


Date:	4-8-11
Job No.:	
Site I.D.:	56
Unit I.D.:	Y41
Logger Type:	900-LKend
Installed by:	Tanna

Pipe Size & Type:

Hickwood	
Hilliard - Olive	30
30"	Concrete

Site Location:



Comments: No Flow

Moved to 052-91 Map #1

[illegible]



Date:

4-14-11

Job No.:

Site I.D.:

57

Unit I.D.:

Y45

Logger Type:

920 LKWD

Installed by:

 $2 \times K$

Community :

Location :

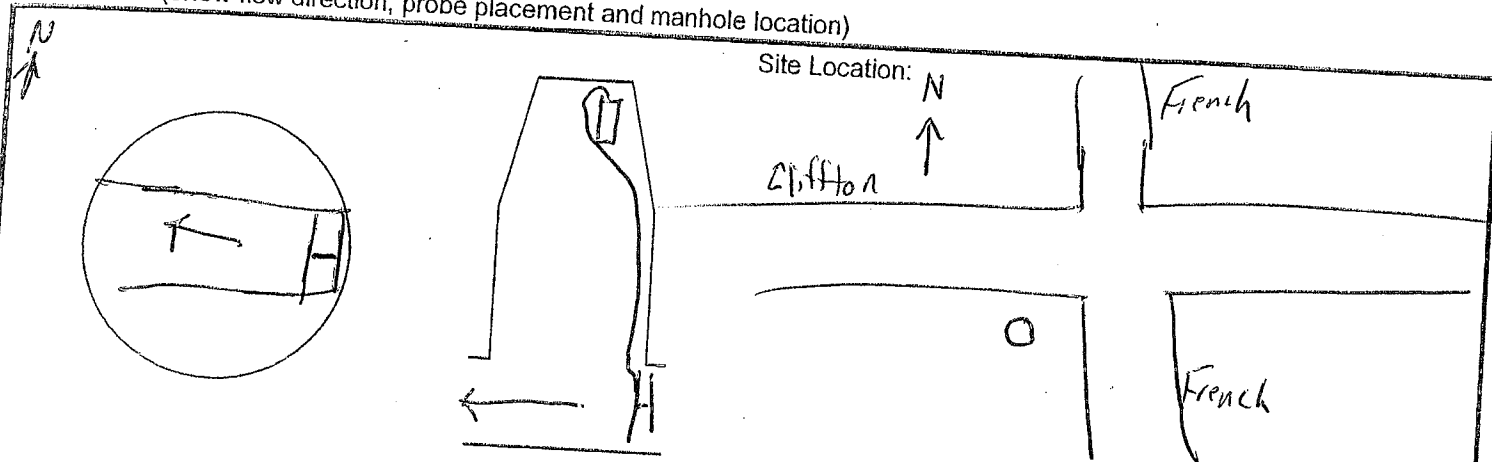
Pipe Size & Type:

9Kewood

Clifton & Andrews 24

23" clay

Site sketch (show flow direction, probe placement and manhole location)



Comments: Actual Pipe size is 23"

FM is actually at S.W.C Clifton French Has cross member Susp.

Site Visit Information

[illegible]



Flow Monitor Site Data Sheet

Community :
Location :
Pipe Size & Type:

LKWD
Belle - CLIFTON
27" clay overflow

Date:

Job No.:

Site I.D.:

Unit I.D.:

Logger Type:

Installed by:

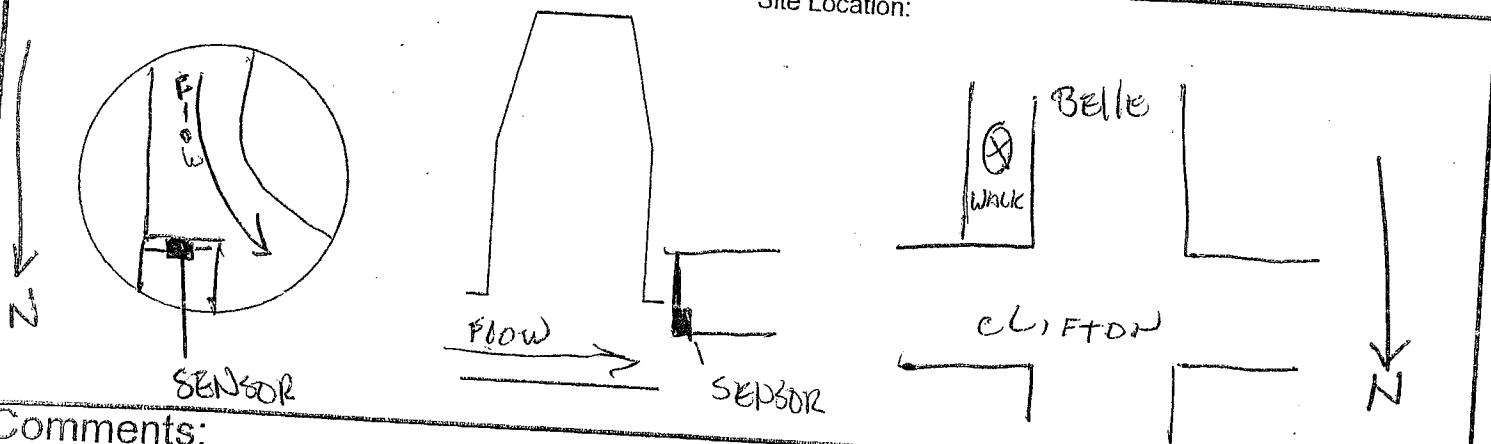
4-25-11

58

8, 74, DE, VP, 26

Site sketch (show flow direction, probe placement and manhole location)

Site Location:



Comments:

Installed when 2 in of standing water was in
over Floor

Site Visit Information

[illegible]



Date:

Job No.:

Site I.D.:

Unit I.D.:

Logger Type:

Installed by:

Community :

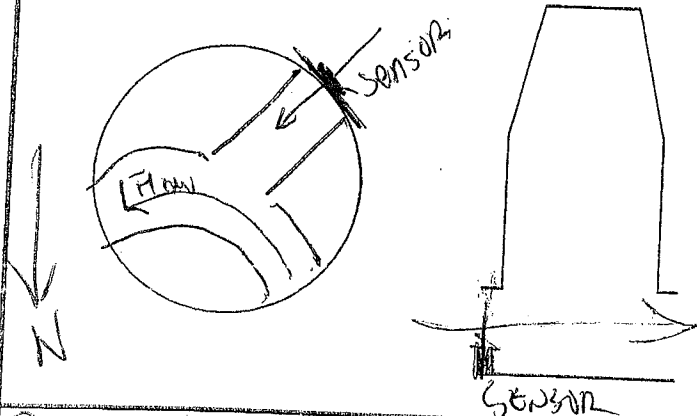
Location :

Pipe Size & Type:

UWD
DET - EUBR
6" SANITARY PVC

Site sketch (show flow direction, probe placement and manhole location)

Site Location:



Comments:

Site Visit Information

[illegible]



Date:

Job No.:

Site I.D.:

Unit I.D.:

Logger Type:

Installed by:

Community :

Location :

Pipe Size & Type:

Lake Wood

13523 Detroit (Detroit & Elber 61)

12" pvc

45-12-10

6

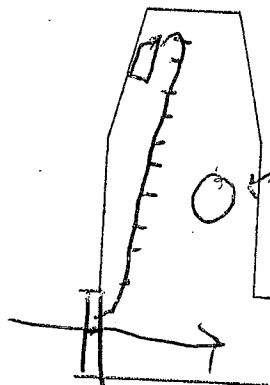
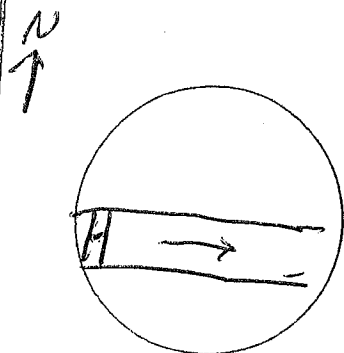
44v

920

29k

Site sketch (show flow direction, probe placement and manhole location)

Site Location:



Storm over flow
(CSO)

↑
~

Detroit

13823

Comments: Heavy Sentiment

Site Visit Information

[illegible]



Date:

4-11-1

Job No.:

Site I.D.:

Unit I.D.:

Logger Type:

Installed by:

Community :

Location :

Pipe Size & Type:

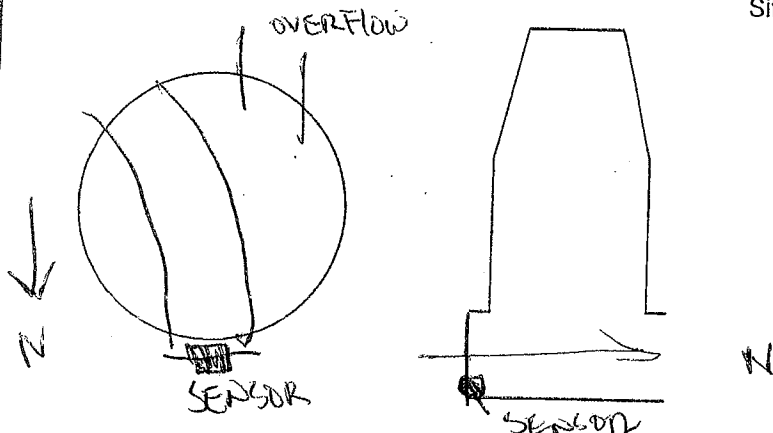
1 kWD

DETROIT / WYANDOTTE

24" COMBO

Site sketch (show flow direction, probe placement and manhole location)

Site Location:



Comments:

Site Visit Information

[illegible]



Date:

Job No.:

Site I.D.:

Unit I.D.:

Logger Type:

Installed by:

Community :

Location :

Pipe Size & Type:

Ukws
DETROIT / PARKWSD
12" SANITARY PVC

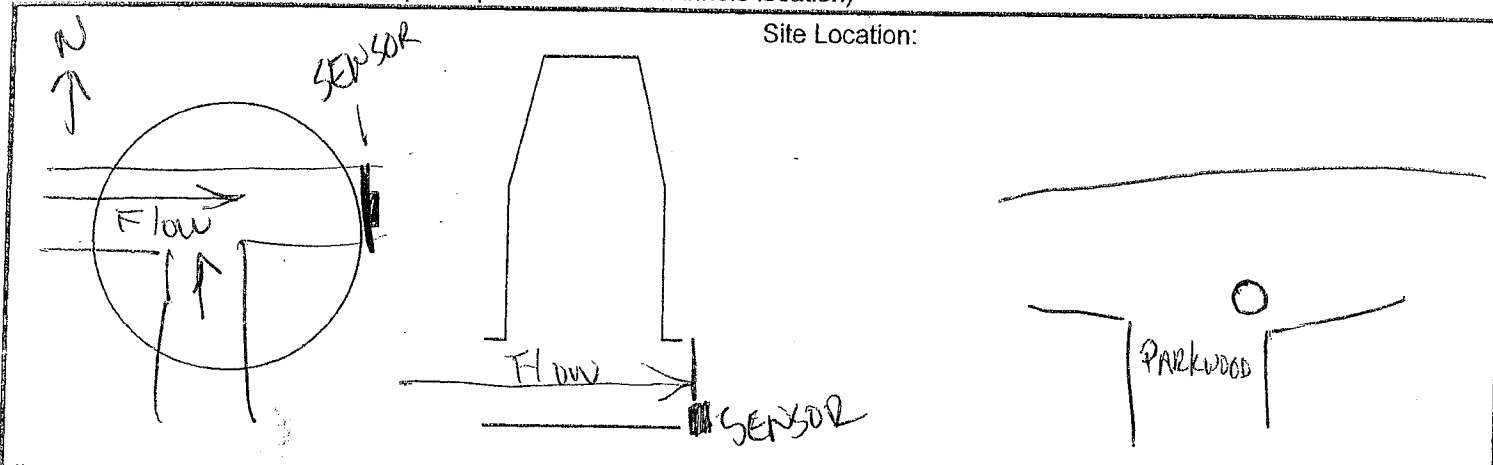
4-11-11

63

D/L

Site sketch (show flow direction, probe placement and manhole location)

Site Location:



Comments:

Site Visit Information

[illegible]



4-12-11

64

Lakewood

Detroit - Robinwood 64 (57A-38)

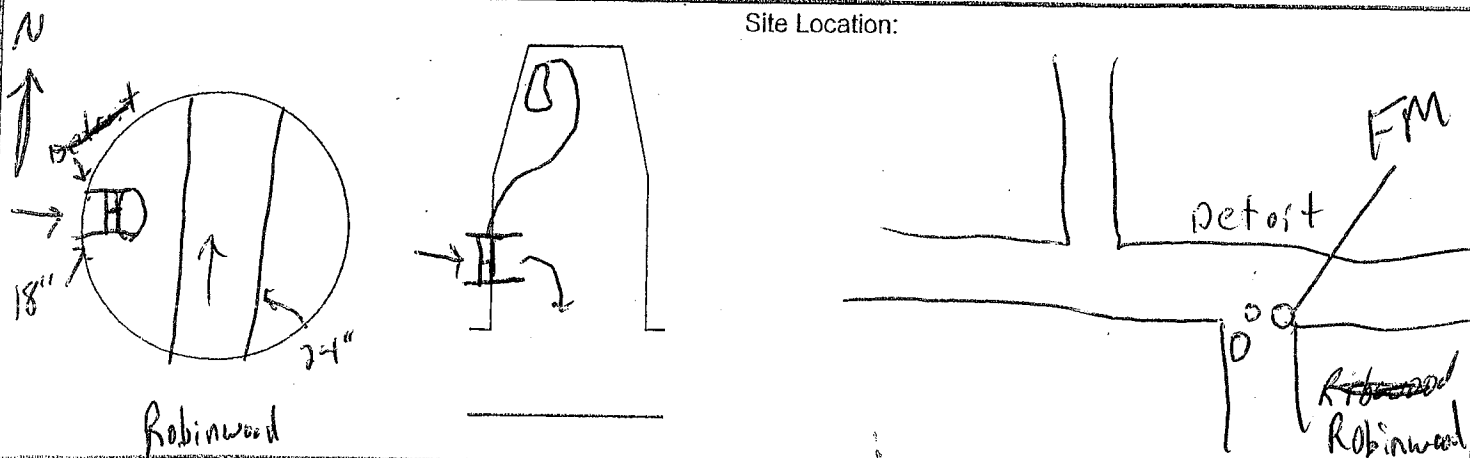
18 pvc

Q66

910 Rental

Installed by:

Site Location:



Comments: 18" Drapping into 24"

[illegible]



Date:

Job No.:

Site I.D.:

Unit I.D.:

Logger Type:

Installed by:

Community :

Location :

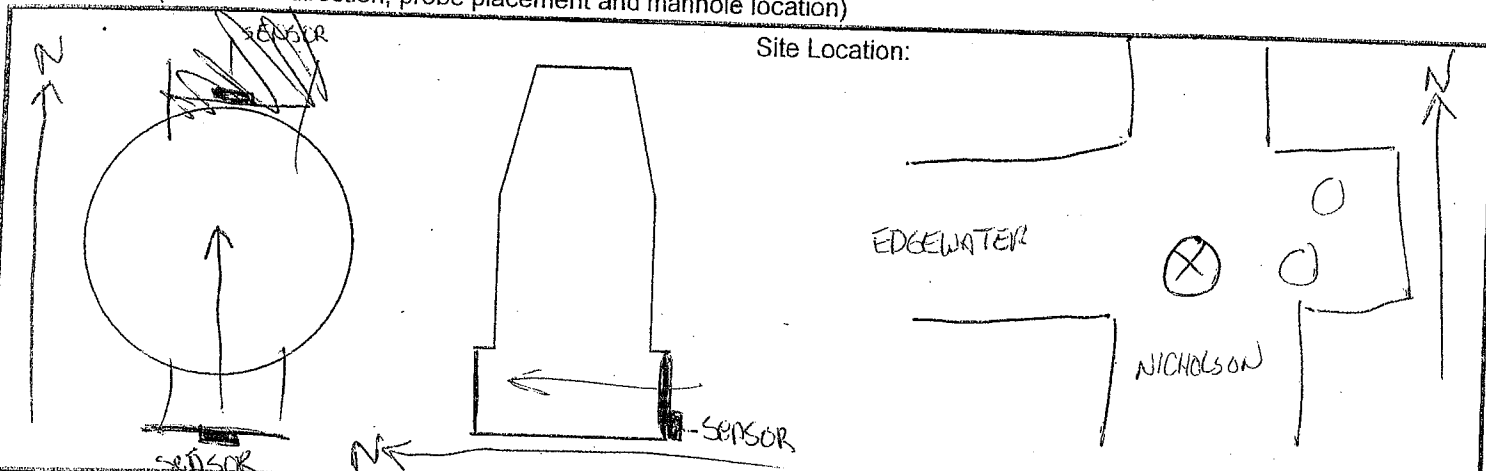
Pipe Size & Type:

CKWD
NICHOLSON / EDGEWATER

5-10-1

15

Site sketch (show flow direction, probe placement and manhole location)



Comments:

Site Visit Information

[illegible]



Date:	4-18-11
Job No.:	
Site I.D.:	68
Unit I.D.:	44K
Logger Type:	920 LKhd
Installed by:	Tanner

Community :	Lakewood
Location :	Wilbert-Cliff 12
Pipe Size & Type:	18" Clay

Hand-drawn site map showing a cliff, Wilbert road, and a location marked "FM 1045 Wilbert". Includes a north arrow and a "Site Location" label.

Comments:

EM sat 1045 Wilbert

[illegible]



Date:

Job No.:

Site I.D.:

Unit I.D.:

Logger Type:

Installed by:

Community :

Location :

Pipe Size & Type:

LKWD
CLIFTON - THOREAU
30" COMBO c/sy

Site Location:

Site Location:

Comments:

Site Visit Information

[illegible]



Date:

Job No.:

Site I.D.:

Unit I.D.:

Logger Type:

Installed by:

Community :

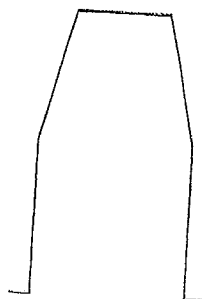
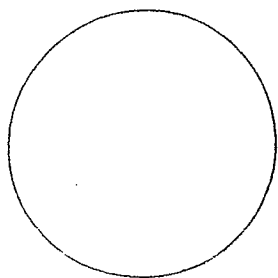
Location :

Pipe Size & Type:

FIRE HOUSE /
WARREN / MADISON
RAIN GAUGE

Site sketch (show flow direction, probe placement and manhole location)

Site Location:



ON ROOF

Comments:

Site Visit Information

[illegible]



Date:

Job No.:

Site I.D.:

Unit I.D.:

Logger Type:

Installed by:

Community :

Location :

Pipe Size & Type:

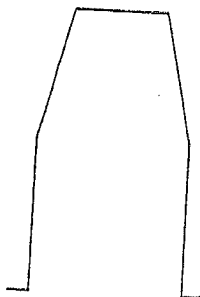
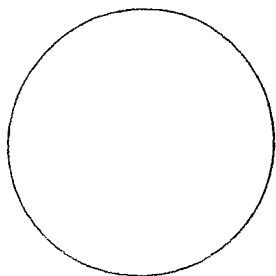
Lincoln School
Clifton / Summit
Rain Gauge

4-11-11

222

Site sketch (show flow direction, probe placement and manhole location)

Site Location:



On Roof

Comments:

Site Visit Information

[illegible]



Date:

4-8-11

Job No.:

Site I.D.:

333

Unit I.D.:

Logger Type:

Installed by:

Community :

Location :

Pipe Size & Type:

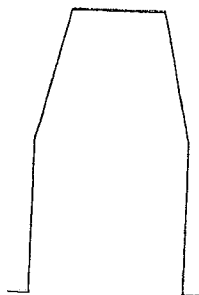
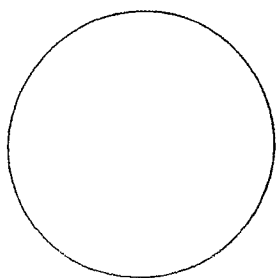
CITY HALL

12650 DETROIT

RAIN GAUGE

Site sketch (show flow direction, probe placement and manhole location)

Site Location:



ON ROOF

Comments:

[illegible]

APPENDIX E

Monthly GWI Patterns		January	February	March	April	May	June	July	August	September	October	November	December
1	CSO-002A	M044	-	-	-	-	-	-	-	-	-	-	-
2	CSO-002B	M045	-	-	-	-	-	-	-	-	-	-	-
3	CSO-002C	M043	-	-	-	-	-	-	-	-	-	-	-
4	CSO-002D	M047	-	-	-	-	-	-	-	-	-	-	-
5	CSO-002E	M052	1.125	1.125	1.125	0.929	0.867	0.762	0.768	0.801	1.125	1.125	1.125
6	CSO-002F	M042	1.000	1.000	1.000	1.000	1.000	0.984	0.992	0.990	1.000	1.000	1.000
7	CSO-052	M004	1.000	1.000	1.000	1.141	1.394	1.001	0.464	1.166	1.000	1.000	1.000
8	CSO-052	M008	1.000	1.000	1.000	1.371	1.269	0.697	0.663	0.880	1.000	1.000	1.000
9	CSO-052	M014	1.000	1.000	1.000	1.034	0.931	1.033	0.902	1.068	1.000	1.000	1.000
10	CSO-053/054	M114	-	-	-	-	-	-	-	-	-	-	-
11	CSO-055	M015	-	-	-	-	-	-	-	-	-	-	-
12	CSO-056	M016	-	-	-	-	-	-	-	-	-	-	-
13	CSO-056	M018	-	-	-	-	-	-	-	-	-	-	-
14	CSO-056	M051	-	-	-	-	-	-	-	-	-	-	-
15	CSO-056	M070	-	-	-	-	-	-	-	-	-	-	-
16	CSO-057	M021	-	-	-	-	-	-	-	-	-	-	-
17	CSO-057	M023	-	-	-	-	-	-	-	-	-	-	-
18	CSO-058	M025	-	-	-	-	-	-	-	-	-	-	-
19	CSO-058	M026	-	-	-	-	-	-	-	-	-	-	-
20	CSO-059	M028	-	-	-	-	-	-	-	-	-	-	-
21	CSO-059A	M034	-	-	-	-	-	-	-	-	-	-	-
22	CSO-059A	M035	-	-	-	-	-	-	-	-	-	-	-
23	CSO-059A	M038	-	-	-	-	-	-	-	-	-	-	-
24	CSO-059A	M039	-	-	-	-	-	-	-	-	-	-	-
25	CSO-059B	M068	-	-	-	-	-	-	-	-	-	-	-
26	CSO-059C	M009	1.000	1.000	1.000	1.000	0.993	1.006	1.005	0.996	1.000	1.000	1.000
27	CSO-059C	M010	-	-	-	-	-	-	-	-	-	-	-
28	CSO-059C	M011	1.000	1.000	1.000	1.000	0.861	0.555	0.654	1.370	1.000	1.000	1.000
29	CSO-059C	M030	1.000	1.000	1.000	1.000	0.676	0.490	0.451	0.383	1.000	1.000	1.000
30	CSO-059C	M031	1.000	1.000	1.000	1.000	1.077	0.994	0.816	1.113	1.000	1.000	1.000
31	Average GWI Pattern		1.014	1.014	1.014	1.053	1.008	0.836	0.746	0.974	1.014	1.014	1.014

APPENDIX F

	Weekday Hourly Patterns		0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
1	CSO-002A	M044	0.904	0.404	0.200	0.150	0.130	0.200	0.738	1.537	1.743	1.537	1.259	1.235	1.311	1.242	1.184	0.976	0.976	0.967	1.320	1.310	1.269	1.336	1.337	1.160
2	CSO-002B	M045	0.748	0.800	0.706	0.721	0.675	0.713	0.816	1.631	1.794	1.268	1.125	0.868	0.917	0.942	0.823	0.925	0.904	0.965	0.961	1.039	1.184	1.306	1.106	1.062
3	CSO-002C	M043	0.918	0.675	0.541	0.455	0.456	0.446	0.615	1.151	1.528	1.368	1.165	1.190	1.095	1.039	1.010	0.975	0.967	1.051	1.169	1.237	1.243	1.279	1.281	1.146
4	CSO-002D	M047	1.044	0.870	0.734	0.500	0.550	0.661	0.781	1.135	1.354	1.147	1.022	1.050	0.983	0.961	0.995	1.035	1.030	1.070	0.979	1.154	1.186	1.170	1.178	1.134
5	CSO-002E	M052	0.912	0.556	0.280	0.147	0.062	0.168	0.632	1.348	1.714	1.524	1.482	1.403	1.276	1.163	1.144	1.108	1.071	1.066	1.238	1.241	1.256	1.235	1.143	0.829
6	CSO-002F	M042	0.968	0.400	0.156	0.075	0.072	0.171	0.639	1.551	1.945	1.550	1.272	1.204	1.149	1.031	1.167	0.880	0.920	1.018	1.242	1.384	1.341	1.419	1.332	1.114
7	CSO-052	M004	0.844	0.391	0.081	0.050	0.096	0.200	0.665	1.483	1.686	1.333	1.323	1.226	1.130	1.018	1.056	1.122	1.073	1.260	1.391	1.338	1.411	1.389	1.343	1.092
8	CSO-052	M008	0.964	0.502	0.241	0.065	0.065	0.191	1.140	2.166	1.822	1.276	1.162	1.177	1.111	0.951	0.785	0.786	0.910	1.112	1.361	1.418	1.329	1.356	1.277	0.833
9	CSO-052	M014	1.029	0.542	0.320	0.223	0.143	0.166	0.571	1.426	1.746	1.592	1.745	1.243	1.175	1.128	0.926	0.778	0.738	1.035	1.134	1.253	1.338	1.419	1.282	1.047
10	CSO-053/054	M114	0.870	0.820	0.770	0.740	0.770	0.790	0.920	1.200	1.300	1.100	1.020	1.067	0.898	1.100	1.080	1.030	1.060	1.070	1.070	1.146	1.100	1.100	1.050	0.940
11	CSO-055	M015	0.994	0.780	0.680	0.670	0.659	0.707	0.967	1.369	1.338	1.146	1.094	1.015	0.934	0.887	0.874	0.886	0.939	1.015	1.084	1.229	1.322	1.204	1.169	1.036
12	CSO-056	M016	0.890	0.722	0.614	0.544	0.515	0.564	0.856	1.039	1.121	1.064	1.233	1.205	1.117	1.174	1.204	1.071	1.084	1.114	1.153	1.189	1.145	1.120	1.200	1.063
13	CSO-056	M018	0.963	0.889	0.792	0.703	0.694	0.740	0.879	1.057	1.074	1.055	1.085	1.075	1.081	1.050	1.034	1.059	1.047	1.080	1.089	1.090	1.103	1.120	1.127	1.114
14	CSO-056	M051	0.809	0.677	0.601	0.537	0.565	0.737	1.037	1.356	1.226	1.142	1.206	1.113	1.109	1.089	1.083	1.060	1.041	1.089	1.057	1.084	1.067	1.217	1.094	1.005
15	CSO-056	M070	0.920	0.672	0.568	0.582	0.583	0.702	1.017	1.124	1.142	1.163	1.138	1.090	1.130	1.119	1.084	1.009	1.128	1.073	1.178	1.215	1.148	1.216	1.093	0.904
16	CSO-057	M021	0.795	0.806	0.832	0.791	0.813	0.836	0.956	1.096	1.100	1.204	1.278	1.214	1.238	1.213	1.217	1.155	1.107	0.961	1.014	0.963	0.725	0.918	0.921	0.848
17	CSO-057	M023	0.952	0.879	0.844	0.824	0.814	0.853	0.957	1.108	1.131	1.081	1.069	1.066	1.049	1.031	1.009	1.006	1.011	1.029	1.058	1.064	1.071	1.063	1.039	0.992
18	CSO-058	M025	0.928	0.823	0.725	0.698	0.693	0.736	0.843	1.214	1.381	1.116	1.079	1.040	1.055	1.001	1.055	1.005	0.952	0.995	1.055	1.147	1.119	1.149	1.148	1.040
19	CSO-058	M026	1.032	0.951	0.918	0.877	0.805	0.806	0.858	1.029	1.421	1.178	1.145	1.236	0.936	1.017	0.993	0.978	0.922	1.082	1.035	0.956	0.961	0.920	0.923	1.023
20	CSO-059	M028	0.938	0.781	0.655	0.576	0.540	0.598	0.952	1.135	1.148	0.998	1.174	1.148	1.055	1.132	1.162	1.015	1.065	1.131	1.147	1.192	1.124	1.096	1.169	1.069
21	CSO-059A	M034	0.748	0.779	0.782	0.806	0.809	0.737	0.801	1.245	1.178	1.155	1.041	0.971	1.119	1.071	1.169	1.091	1.089	1.052	1.188	1.133	1.161	1.127	0.944	0.804
22	CSO-059A	M035	0.900	0.689	0.551	0.470	0.483	0.566	0.882	1.145	1.256	1.188	1.178	1.246	1.168	1.101	1.094	1.034	1.051	1.133	1.131	1.230	1.258	1.181	1.109	0.954
23	CSO-059A	M038	0.981	0.610	0.511	0.537	0.569	0.657	0.755	1.234	1.536	1.333	1.127	1.082	1.055	0.927	1.124	1.038	1.118	1.300	1.351	1.164	1.012	1.004	1.061	0.914
24	CSO-059A	M039	0.875	0.836	0.803	0.785	0.782	0.797	0.867	1.355	1.279	1.267	1.265	1.262	1.254	1.231	1.240	1.222	1.213	1.232	1.256	1.259	1.236	1.244	1.233	1.196
25	CSO-059B	M068	0.771	0.661	0.632	0.564	0.578	0.594	0.985	1.310	1.557	1.392	1.225	1.250	1.087	1.012	0.873	0.866	0.920	1.022	1.118	1.123	1.108	1.174	1.206	0.973
26	CSO-059C	M009	1.008	0.329	0.104	0.065	0.058	0.125	0.916	2.257	1.815	1.741	1.778	1.877	1.854	1.873	1.826	1.768	1.718	1.730	1.686	1.781	1.750	1.737	1.772	1.440
27	CSO-059C	M010	1.053	0.471	0.235	0.176	0.123	0.300	1.911	1.824	1.340	1.361	1.346	1.362	1.468	1.358	1.282	1.380	1.419	1.272	1.484	1.391	1.348	1.341	1.285	0.978
28	CSO-059C	M011	0.578	0.212	0.089	0.105	0.190	0.293	1.425	1.891	1.098	1.047	1.092	1.244	1.290	1.293	1.198	1.125	1.147	1.206	1.254	1.213	1.236	1.291	1.115	0.932
29	CSO-059C	M030	0.921	0.514	0.239	0.085	0.043	0.152	0.546	1.259	1.498	1.345	1.257	1.339	1.282	1.269	1.181	1.125	1.072	1.121	1.275	1.325	1.368	1.326	1.330	1.130
30	CSO-059C	M031	0.852	0.662	0.404	0.225	0.367	0.455	0.651	1.244	1.452	1.346	1.296	1.531	1.520	1.222	1.145	1.234	1.127	1.160	1.067	1.142	1.078	1.072	0.990	0.757
31	Average Weekday Pattern		0.904	0.657	0.520	0.458	0.457	0.522	0.886	1.364	1.424	1.267	1.223	1.201	1.162	1.121	1.101	1.058	1.061	1.114	1.185	1.214	1.200	1.218	1.175	1.018

	Weekend Hourly Patterns		0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
1	CSO-002A	M044	0.937	0.579	0.347	0.304	0.112	0.115	0.217	0.575	1.087	1.420	1.583	1.674	1.677	1.633	1.456	1.203	1.375	1.383	1.070	1.221	1.112	1.221	1.024	0.811
2	CSO-002B	M045	0.756	0.655	0.573	0.476	0.450	0.499	0.488	0.743	0.882	1.191	1.459	1.333	1.101	1.543	1.222	1.299	1.068	1.239	1.044	1.237	1.177	1.364	1.212	0.986
3	CSO-002C	M043	0.851	0.725	0.597	0.512	0.448	0.411	0.437	0.585	0.966	1.207	1.651	1.561	1.499	1.312	1.320	1.209	1.165	1.231	1.331	1.157	1.007	0.914	0.945	0.958
4	CSO-002D	M047	0.347	0.250	0.200	0.827	0.534	0.340	0.200	0.250	0.451	0.677	0.831	1.599	1.800	1.888	1.900	1.806	1.454	1.037	1.001	1.077	0.937	0.819	0.636	0.423
5	CSO-002E	M052	0.903	0.623	0.450	0.242	0.195	0.075	0.121	0.412	0.924	1.495	1.472	1.427	1.435	1.464	1.491	1.420	1.431	1.286	1.258	1.160	1.160	1.155	0.969	0.633
6	CSO-002F	M042	0.887	0.937	0.807	0.690	0.669	0.625	0.611	0.652	0.791	1.016	1.247	1.258	1.292	1.303	1.263	1.171	1.183	1.109	1.090	1.085	1.078	1.063	1.061	1.016
7	CSO-052	M004	0.631	0.412	0.206	0.204	0.273	0.293	0.406	0.576	0.972	1.449	1.663	1.598	1.450	1.348	1.336	1.314	1.329	1.516	1.546	1.469	1.287	1.241	0.955	0.756
8	CSO-052	M008	0.665	0.461	0.245	0.294	0.110	0.081	0.269	0.658	1.220	1.560	1.837	1.779	1.549	1.482	1.302	1.367	1.217	1.266	1.277	1.265	1.247	1.157	1.042	0.648
9	CSO-052	M014	0.914	0.688	0.390	0.311	0.237	0.155	0.204	0.301	0.803	1.475	1.470	1.699	1.762	1.608	1.411	1.319	1.210	1.330	1.307	1.208	1.205	1.247	0.928	0.820
10	CSO-053/054	M114	1.041	1.001	0.900	0.870	0.810	0.790	0.850	0.923	1.000	1.069	1.137	1.082	1.160	1.130	1.065	0.972	1.180	1.151	1.050	1.025	1.040	1.078	0.684	1.002
11	CSO-055	M015	0.981	0.686	0.520	0.254	0.302	0.106	0.180	0.312	0.786	1.272	1.697	1.891	0.856	0.740	0.683	0.665	0.639	0.647	0.662	0.838	1.028	1.268	1.296	1.300
12	CSO-056	M016	0.969	0.731	0.608	0.517	0.470	0.492	0.684	0.876	1.119	1.231	1.356	1.316	1.203	1.223	1.274	1.157	1.082	1.043	1.122	1.140	1.153	1.097	1.196	0.940
13	CSO-056	M018	0.933	0.812	0.771	0.730	0.680	0.691	0.736	0.839	0.986	1.099	1.159	1.219	1.218	1.183	1.154	1.138	1.093	1.112	1.095	1.071	1.104	1.114	1.082	0.982
14	CSO-056	M051	0.790	0.552	0.461	0.511	0.489	0.530	0.641	0.852	1.187	1.363	1.310	1.474	1.366	1.256	1.212	1.117	1.186	1.099	1.186	1.167	1.153	1.100	1.078	0.918
15	CSO-056	M070	0.935	0.699	0.644	0.691	0.583	0.607	0.830	0.941	1.177	1.297	1.221	1.184	1.102	1.203	1.206	1.105	1.132	1.086	1.139	1.128	1.083	1.102	1.045	0.861
16	CSO-057	M021	0.894	0.865	0.831	0.825	0.848	0.852	0.900	0.961	1.040	1.124	1.189	1.130	1.120	1.162	1.094	1.030	1.001	1.072	1.043	1.055	0.965	0.999	1.031	0.969
17	CSO-057	M023	0.947	0.894	0.854	0.835	0.818	0.821	0.868	0.944	1.030	1.117	1.147	1.162	1.138	1.095	1.060	1.059	1.049	1.038	1.039	1.048	1.040	1.038	1.001	0.957
18	CSO-058	M025	0.830	0.778	0.680	0.602	0.574	0.590	0.632	0.734	0.942	1.166	1.323	1.271	1.168	1.206	1.231	1.231	1.170	1.171	1.184	1.100	1.180	1.139	1.112	0.987
19	CSO-058	M026	1.039	0.976	0.843	0.833	0.817	0.789	0.882	1.020	1.056	1.122	1.084	1.068	1.165	1.068	0.990	1.066	1.118	0.953	0.966	0.990	1.053	1.073	1.009	1.021
20	CSO-059	M028	0.846	0.588	0.512	0.444	0.415	0.416	0.472	0.661	1.056	1.375	1.488	1.444	1.344	1.323	1.368	1.283	1.125	1.008	1.137	1.136	1.200	1.155	1.271	0.935
21	CSO-059A	M034	1.005	0.854	0.819	0.716	0.705	0.696	0.714	0.857	1.039	1.254	1.235	1.226	1.265	1.248	1.098	1.155	1.158	1.137	1.120	1.123	1.012	0.974	0.865	0.726
22	CSO-059A	M035	0.904	0.737	0.606	0.537	0.473	0.466	0.541	0.715	1.031	1.289	1.398	1.387	1.332	1.292	1.223	1.259	1.271	1.110	1.146	1.138	1.122	1.075	0.972	0.975
23	CSO-059A	M038	0.916	0.642	0.441	0.428	0.458	0.394	0.417	0.506	0.616	0.991	1.514	1.461	1.583	1.401	1.161	1.380	1.338	1.177	1.300	1.181	1.106	1.282	1.323	0.983
24	CSO-059A	M039	0.957	0.916	0.884	0.880	0.877	0.883	0.911	0.967	1.037	1.092	1.104	1.097	1.082	1.062	1.050	1.053	1.045	1.041	1.040	1.041	1.010	1.011	1.000	0.961
25	CSO-059B	M068	0.830	0.696	0.594	0.570	0.558	0.556	0.611	0.662	1.065	1.412	1.458	1.474	1.337	1.143	1.140	0.980	1.167	1.094	1.099	1.063	1.237	1.198	1.132	0.924
26	CSO-059C	M009	0.617	0.467	0.212	0.105	0.040	0.037	0.114	0.348	0.596	0.886	1.121	1.147	1.181	1.133	1.135	1.114	1.148	1.122	1.113	1.016	1.037	0.999	1.039	0.840
27	CSO-059C	M010	0.797	0.854	0.703	0.587	0.475	0.357	0.378	0.358	0.521	0.788	1.344	1.653	1.833	1.834	1.716	1.366	1.294	1.201	1.268	1.168	1.047	1.024	1.051	0.938
28	CSO-059C	M011	0.505	0.190	0.074	0.043	0.030	0.022	0.086	0.167	0.429	0.861	0.951	1.011	1.032	1.020	0.915	0.897	0.802	0.802	0.801	0.776	0.731	0.735	0.695	0.655
29	CSO-059C	M030	0.818	0.532	0.310	0.148	0.093	0.032	0.155	0.449	0.737	1.130	1.392	1.578	1.637	1.609	1.446	1.338	1.216	1.164	1.119	1.113	1.085	1.088	1.091	0.915
30	CSO-059C	M031	1.225	0.948	0.684	0.507	0.466	0.375	0.811	0.928	0.870	1.153	1.337	1.408	1.151	1.098	1.196	1.332	1.277	1.068	0.985	1.172	1.079	1.128	0.841	0.960
31	Average Weekend Pattern		0.856	0.692	0.559	0.516	0.467	0.437	0.512	0.659	0.914	1.186	1.339	1.387	1.328	1.300	1.237	1.193	1.164	1.123	1.118	1.112	1.089	1.095	1.020	0.893

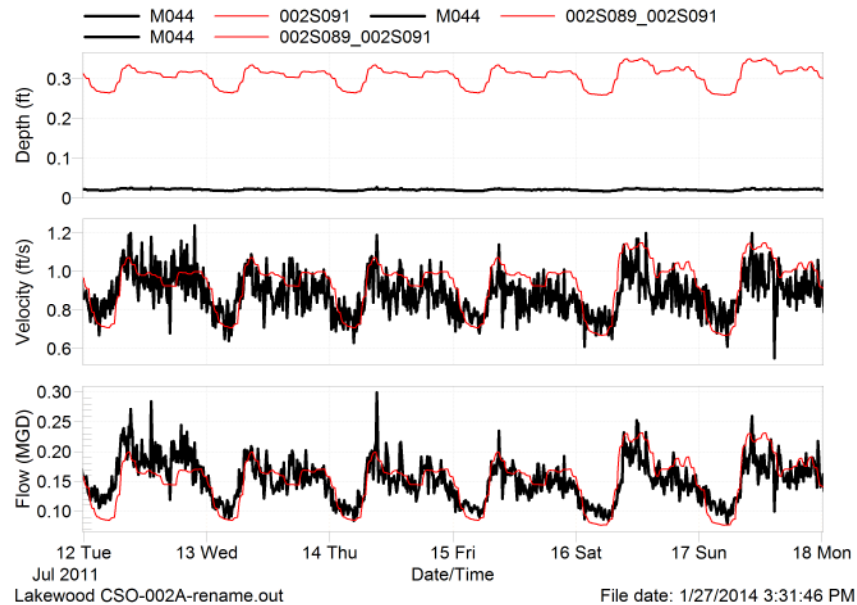
Daily Patterns		Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	CSO-002A	M044	-	-	-	-	-	-
2	CSO-002B	M045	-	-	-	-	-	-
3	CSO-002C	M043	-	-	-	-	-	-
4	CSO-002D	M047	-	-	-	-	-	-
5	CSO-002E	M052	0.777	1.131	1.135	1.075	1.081	1.091
6	CSO-002F	M042	-	-	-	-	-	-
7	CSO-052	M004	1.250	1.250	1.000	1.050	1.000	1.100
8	CSO-052	M008	-	-	-	-	-	-
9	CSO-052	M014	1.000	1.250	1.100	1.200	1.050	1.300
10	CSO-053/054	M114	-	-	-	-	-	-
11	CSO-055	M015	1.081	0.732	1.139	0.826	1.113	0.882
12	CSO-056	M016	-	-	-	-	-	-
13	CSO-056	M018	-	-	-	-	-	-
14	CSO-056	M051	-	-	-	-	-	-
15	CSO-056	M070	-	-	-	-	-	-
16	CSO-057	M021	-	-	-	-	-	-
17	CSO-057	M023	-	-	-	-	-	-
18	CSO-058	M025	-	-	-	-	-	-
19	CSO-058	M026	-	-	-	-	-	-
20	CSO-059	M028	-	-	-	-	-	-
21	CSO-059A	M034	-	-	-	-	-	-
22	CSO-059A	M035	1.048	1.020	1.001	1.010	1.018	0.925
23	CSO-059A	M038	-	-	-	-	-	-
24	CSO-059A	M039	0.999	0.997	0.996	0.996	0.999	1.007
25	CSO-059B	M068	-	-	-	-	-	-
26	CSO-059C	M009	1.000	1.095	1.085	1.080	1.075	0.995
27	CSO-059C	M010	0.125	4.525	1.952	1.452	2.882	0.001
28	CSO-059C	M011	0.576	0.743	0.507	0.465	0.400	0.390
29	CSO-059C	M030	-	-	-	-	-	-
30	CSO-059C	M031	1.250	1.610	1.250	1.100	1.000	1.000
31	Average Daily Pattern		0.911	1.435	1.117	1.025	1.162	0.869
							0.856	

	Monthly BWF Patterns		January	February	March	April	May	June	July	August	September	October	November	December
1	CSO-002A	M044	1.080	1.190	1.220	0.960	1.010	0.994	1.006	0.991	0.880	0.860	0.970	0.990
2	CSO-002B	M045	1.080	1.190	1.220	0.960	1.016	0.972	1.040	1.000	0.880	0.860	0.970	0.990
3	CSO-002C	M043	1.080	1.190	1.220	0.960	1.520	0.990	0.480	1.000	0.880	0.860	0.970	0.990
4	CSO-002D	M047	1.080	1.190	1.220	0.960	1.016	0.972	1.040	0.973	0.880	0.860	0.970	0.990
5	CSO-002E	M052	1.440	1.440	1.440	0.251	0.330	0.465	0.465	0.415	1.440	1.440	1.440	1.440
6	CSO-002F	M042	1.000	1.000	1.000	1.002	1.001	0.982	0.994	0.968	1.000	1.000	1.000	1.000
7	CSO-052	M004	1.000	1.000	1.000	1.000	1.001	0.992	1.001	0.964	1.000	1.000	1.000	1.000
8	CSO-052	M008	1.000	1.000	1.000	1.000	1.001	0.986	1.013	0.903	1.000	1.000	1.000	1.000
9	CSO-052	M014	1.000	1.000	1.000	0.999	1.000	0.983	1.017	0.962	1.000	1.000	1.000	1.000
10	CSO-053/054	M114	1.000	1.000	1.000	1.000	1.026	0.987	1.026	0.986	1.000	1.000	1.000	1.000
11	CSO-055	M015	1.080	1.190	1.220	0.960	0.979	0.977	0.976	1.068	0.880	0.860	0.970	0.990
12	CSO-056	M016	1.080	1.190	1.220	0.960	1.009	0.989	1.008	0.994	0.880	0.860	0.970	0.990
13	CSO-056	M018	1.080	1.190	1.220	0.960	1.009	0.989	1.008	0.994	0.880	0.860	0.970	0.990
14	CSO-056	M051	1.080	1.190	1.220	0.960	1.009	0.989	1.008	0.994	0.880	0.860	0.970	0.990
15	CSO-056	M070	1.080	1.190	1.220	0.960	1.009	0.989	1.008	0.994	0.880	0.860	0.970	0.990
16	CSO-057	M021	1.080	1.190	1.220	0.960	0.999	1.012	0.986	1.003	0.880	0.860	0.970	0.990
17	CSO-057	M023	1.080	1.190	1.220	0.960	0.999	1.012	0.986	1.003	0.880	0.860	0.970	0.990
18	CSO-058	M025	1.080	1.190	1.220	0.960	1.017	1.017	1.017	0.949	0.880	0.860	0.970	0.990
19	CSO-058	M026	1.080	1.190	1.220	0.960	1.017	1.017	1.017	0.949	0.880	0.860	0.970	0.990
20	CSO-059	M028	1.080	1.190	1.220	0.960	1.007	0.987	1.006	1.371	0.880	0.860	0.970	0.990
21	CSO-059A	M034	1.080	1.190	1.220	0.960	1.000	0.996	1.001	1.003	0.880	0.860	0.970	0.990
22	CSO-059A	M035	1.080	1.190	1.220	0.960	1.000	0.996	1.001	1.003	0.880	0.860	0.970	0.990
23	CSO-059A	M038	1.080	1.190	1.220	0.960	1.000	0.996	1.001	1.003	0.880	0.860	0.970	0.990
24	CSO-059A	M039	1.080	1.190	1.220	0.960	1.000	0.996	1.001	1.003	0.880	0.860	0.970	0.990
25	CSO-059B	M068	1.080	1.190	1.220	0.960	1.002	0.999	1.000	0.999	0.880	0.860	0.970	0.990
26	CSO-059C	M009	1.000	1.000	1.000	1.000	0.993	1.006	1.005	0.996	1.000	1.000	1.000	1.000
27	CSO-059C	M010	1.000	1.000	1.000	1.000	1.023	0.989	1.006	0.982	1.000	1.000	1.000	1.000
28	CSO-059C	M011	1.000	1.000	1.000	1.000	0.920	0.682	0.998	0.988	1.000	1.000	1.000	1.000
29	CSO-059C	M030	1.000	1.000	1.000	1.000	0.506	0.519	0.503	0.493	1.000	1.000	1.000	1.000
30	CSO-059C	M031	1.000	1.000	1.000	1.000	1.005	0.997	1.077	0.994	1.000	1.000	1.000	1.000
31	Average BWF Pattern		1.065	1.135	1.154	0.950	0.981	0.949	0.957	0.965	0.939	0.926	0.996	1.008

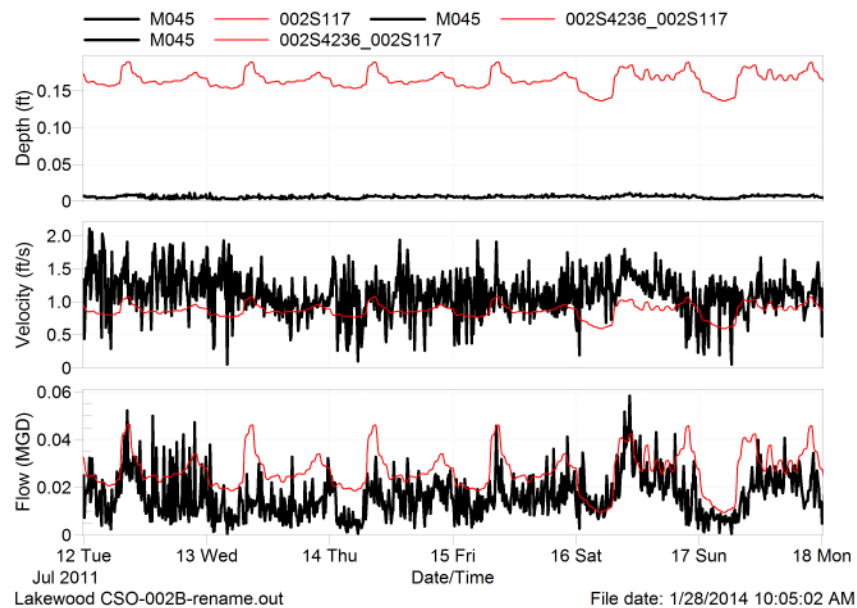
APPENDIX G

APPENDIX G – DRY-WEATHER FLOW CALIBRATION PLOTS

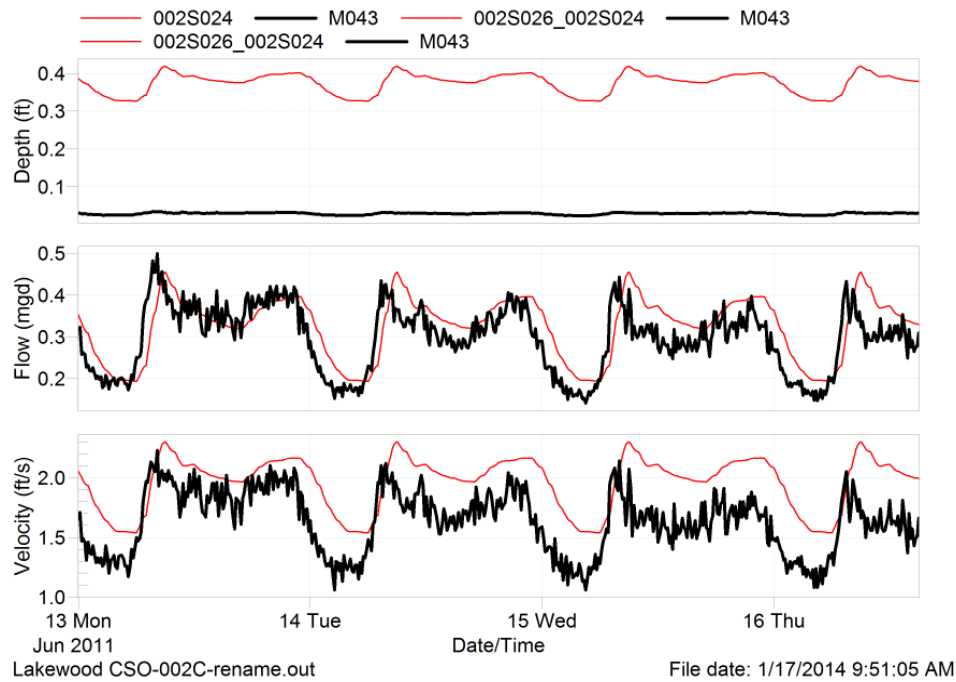
G.1 CSO-002A_M044



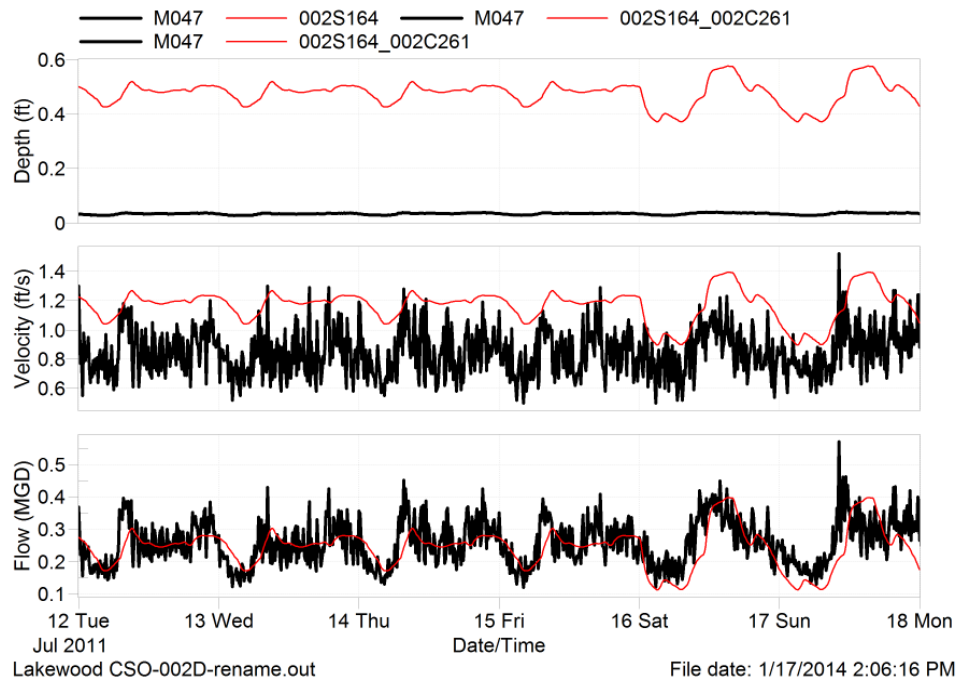
G.2 CSO-002B_M045



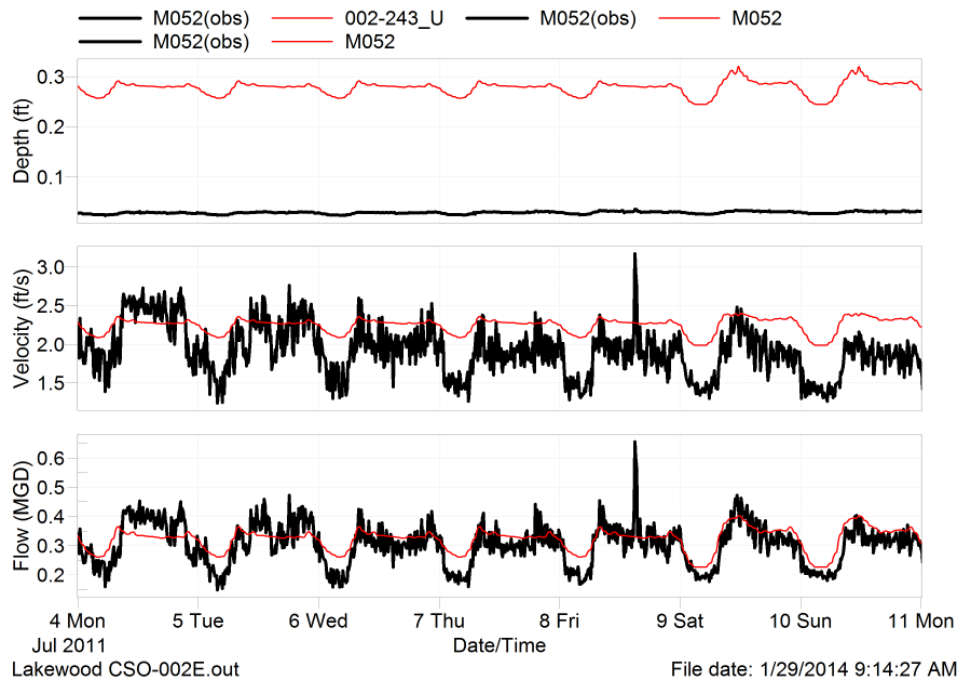
G.3 CSO-002C_M043



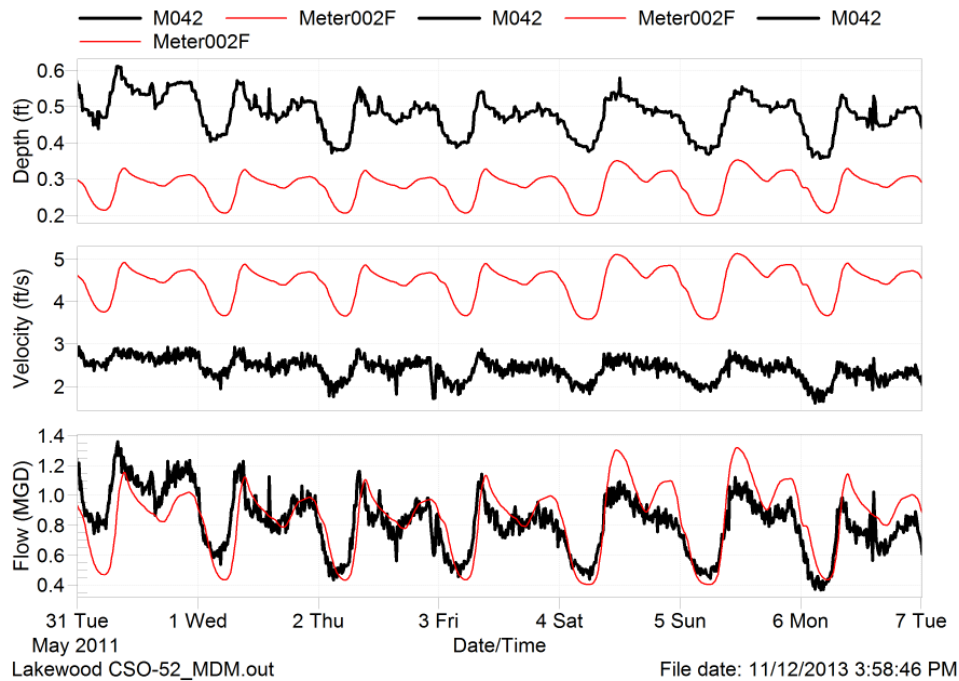
G.4 CSO-002D_M047



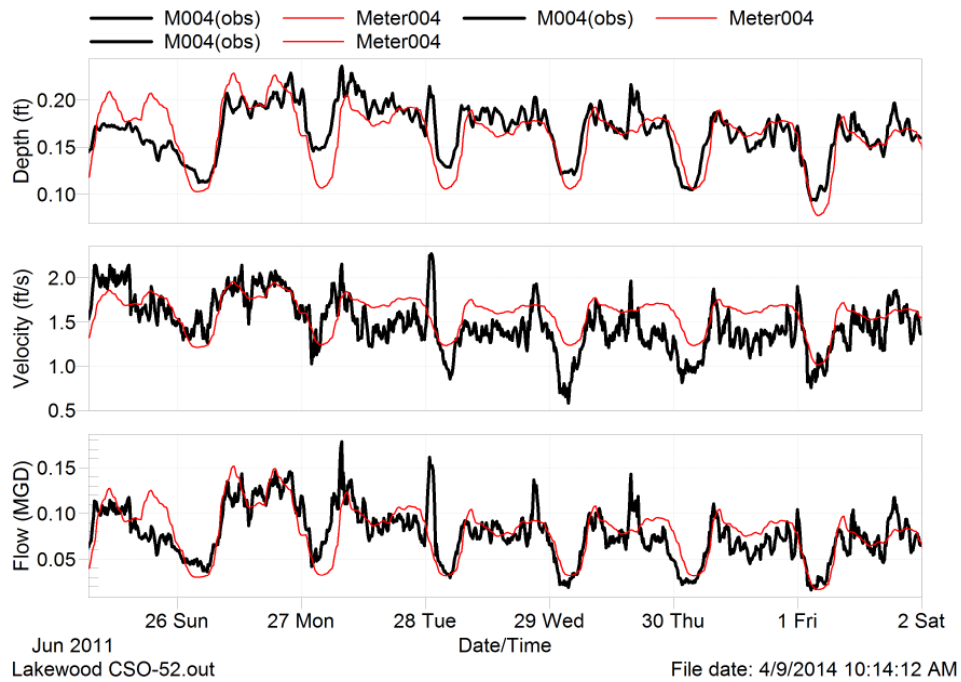
G.5 CSO-002E_M052



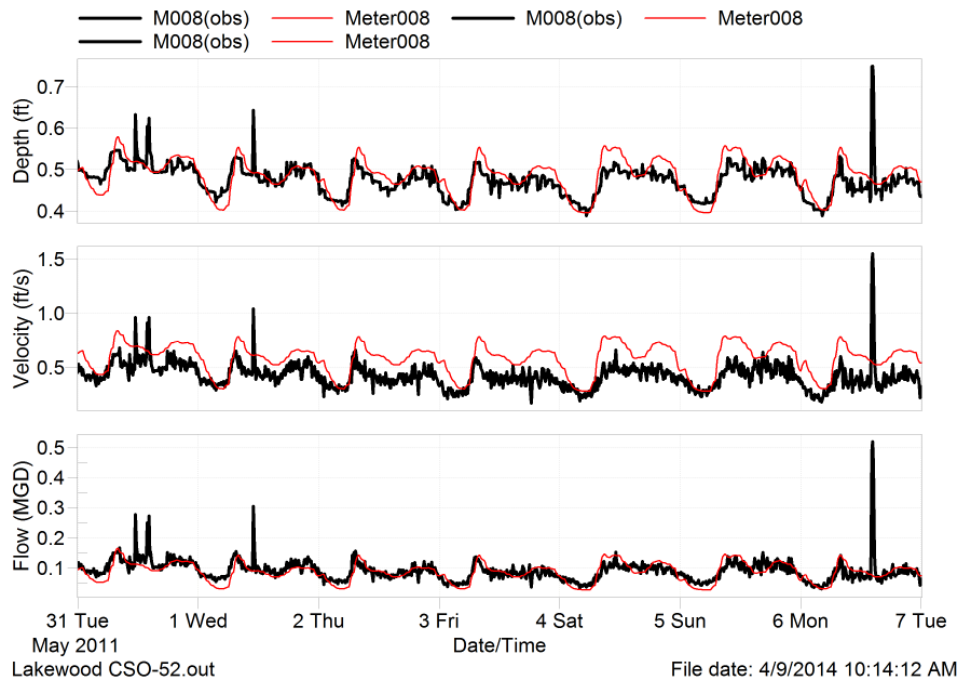
G.6 CSO-002F_M042



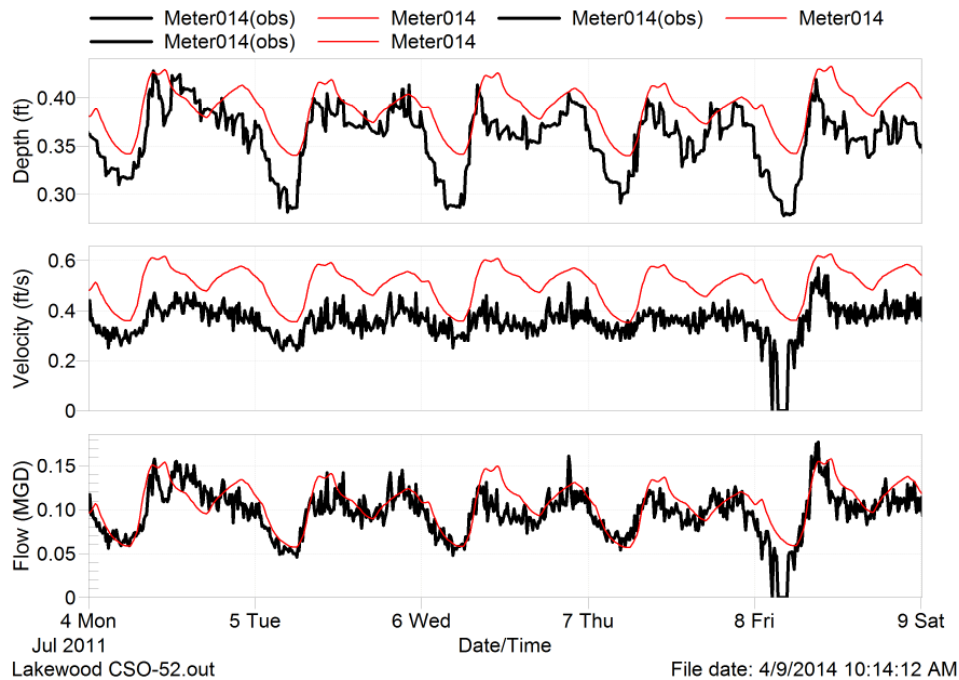
G.7 CSO-052_M004



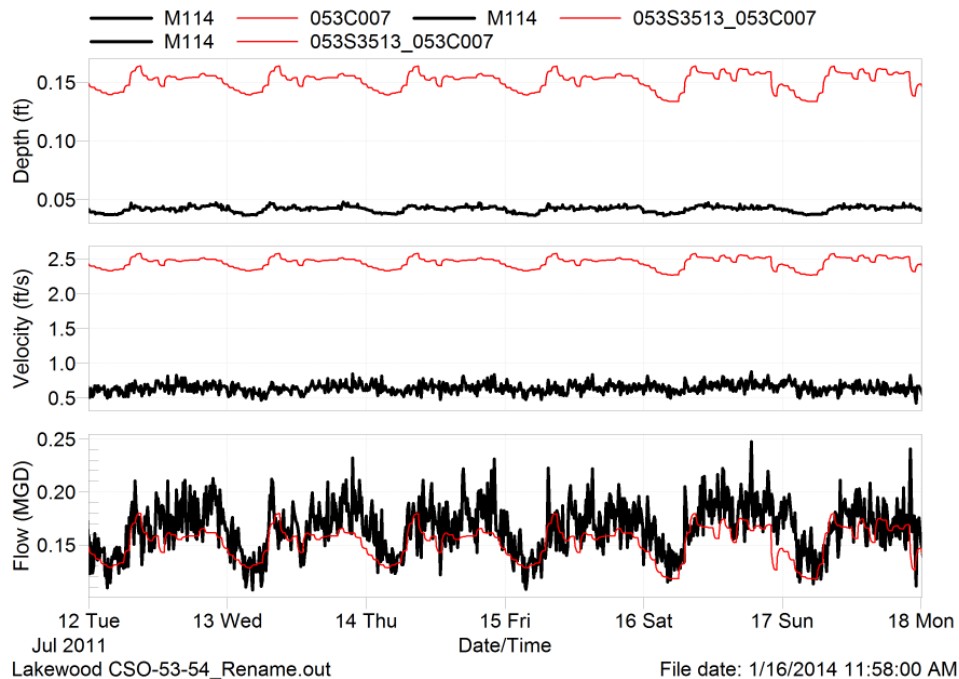
G.8 CSO-052_M008



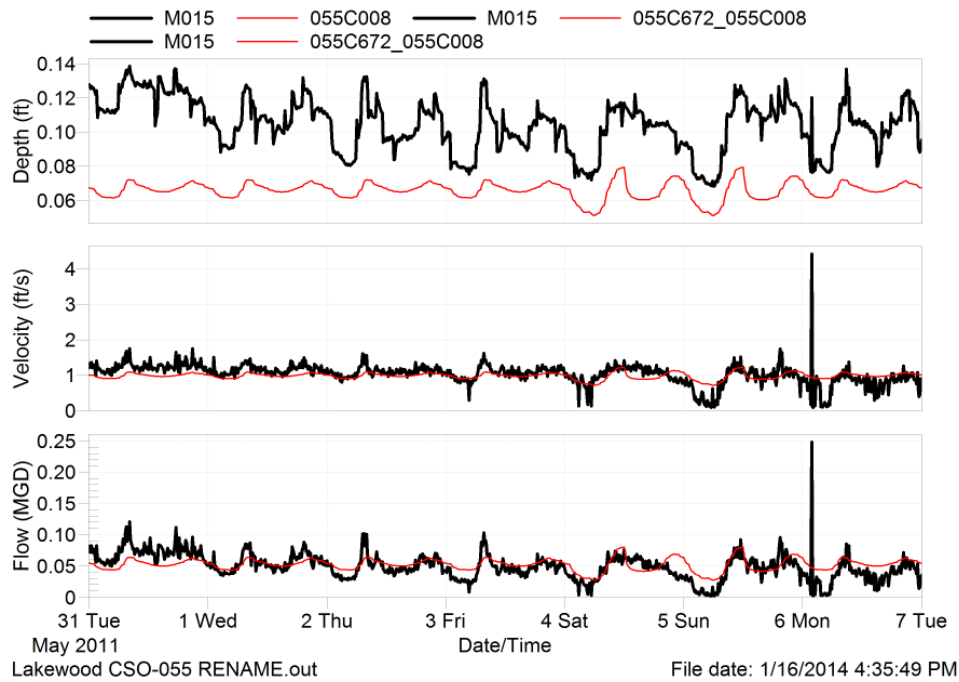
G.9 CSO-052_M014



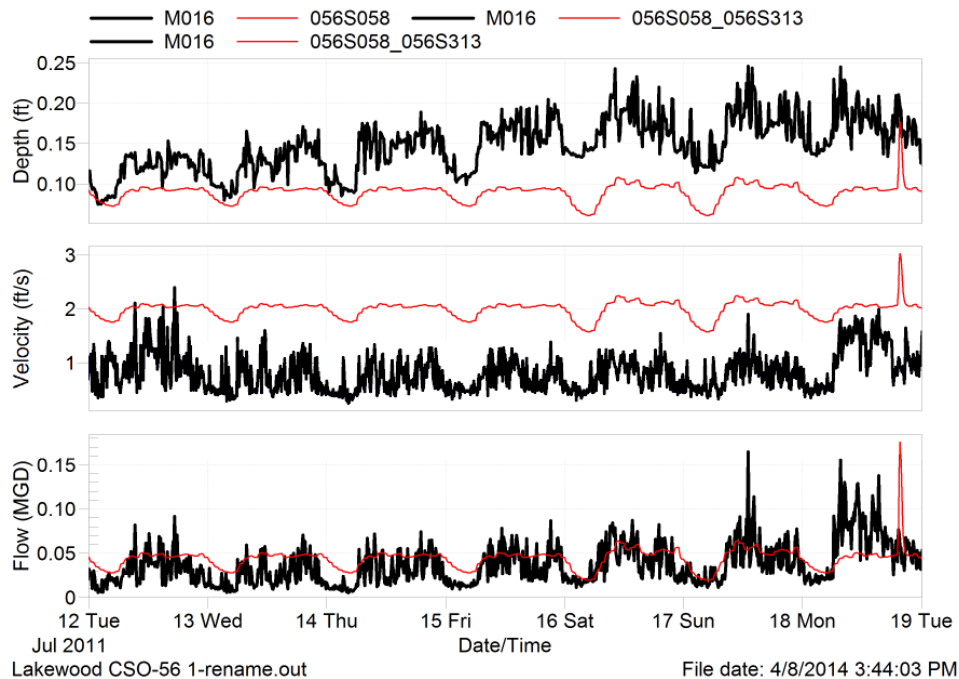
G.10 CSO-053/054_M114



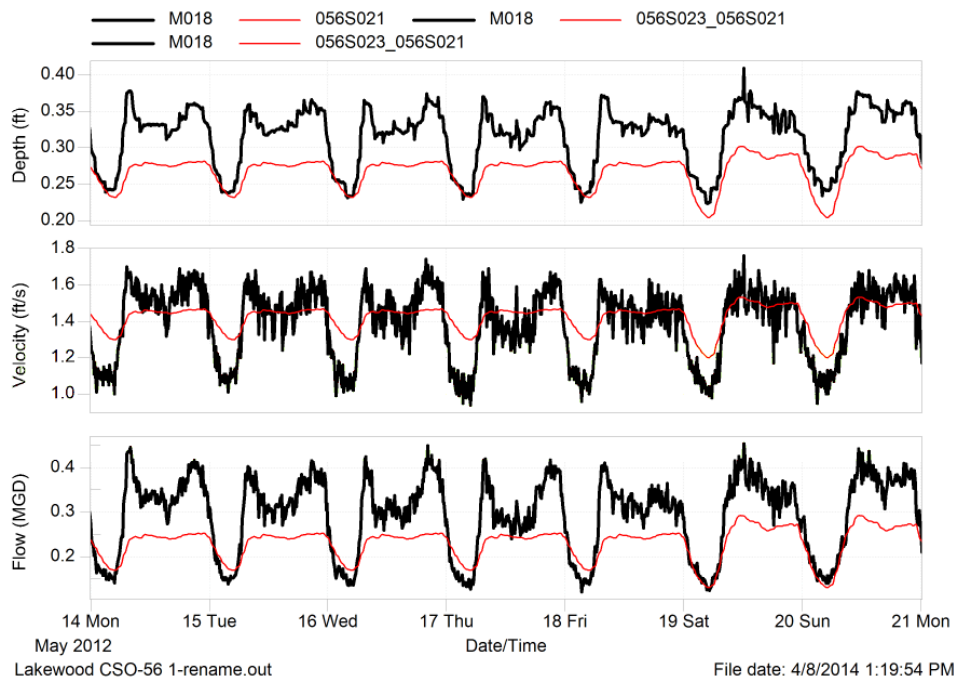
G.11 CSO-055_M015



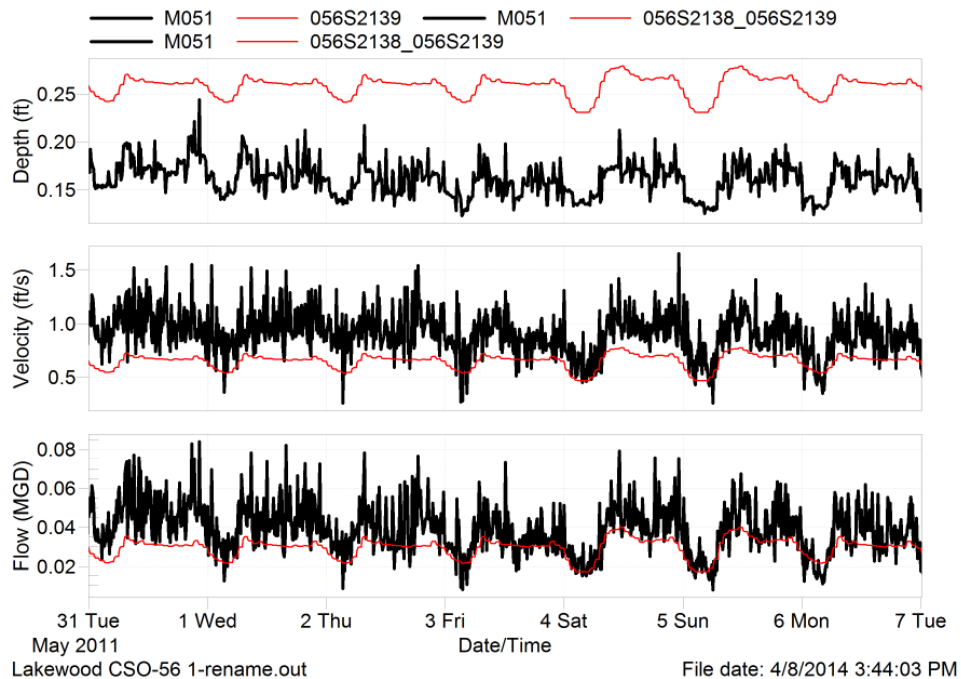
G.12 CSO-056_M016



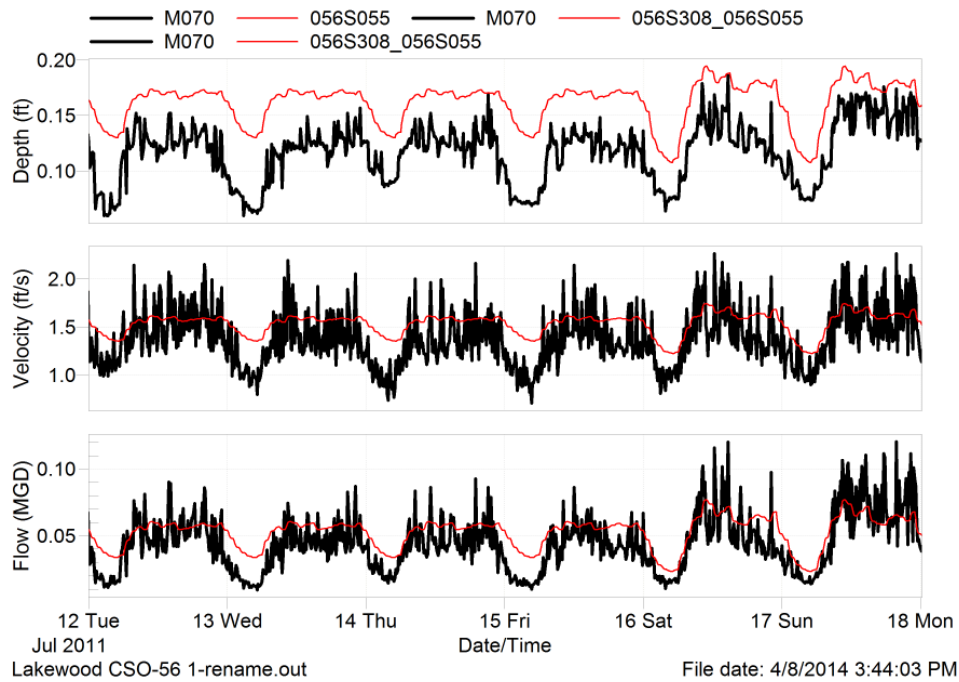
G.13 CSO-056_M018



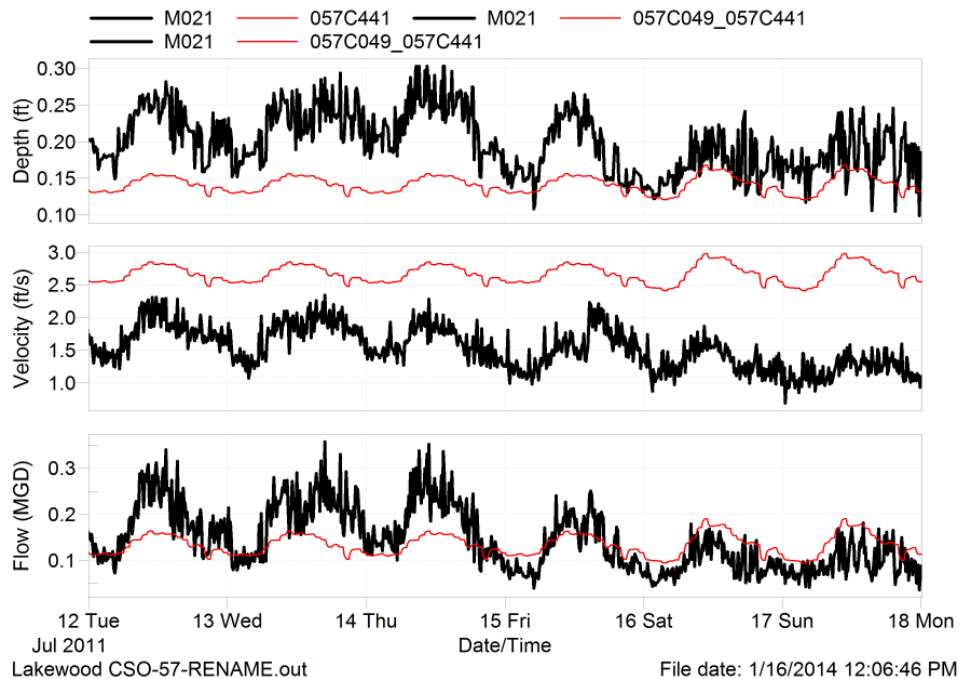
G.14 CSO-056_M051



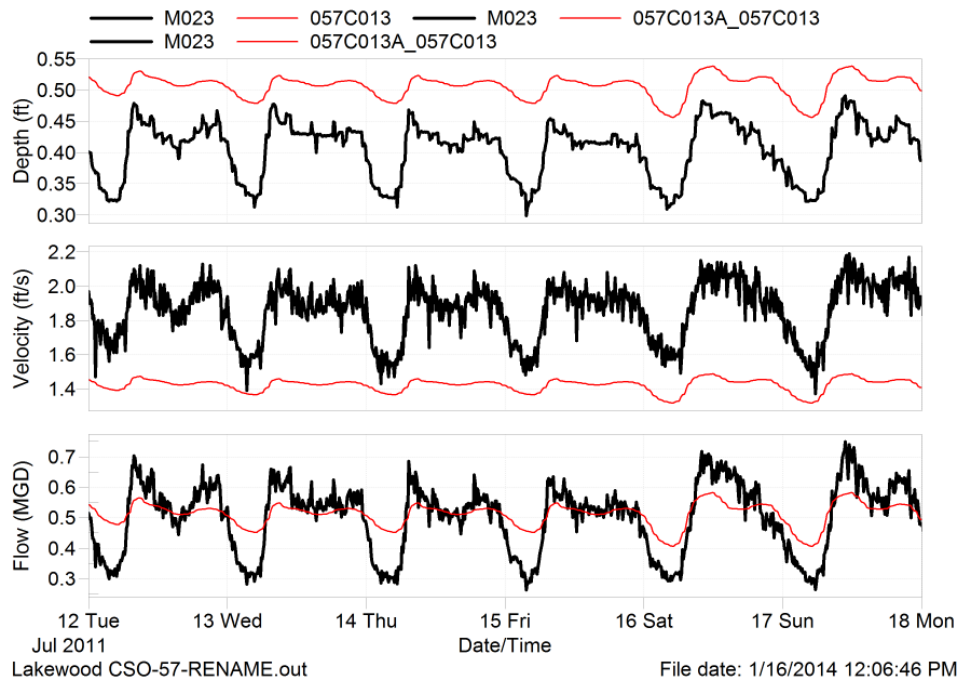
G.15 CSO-056_M070



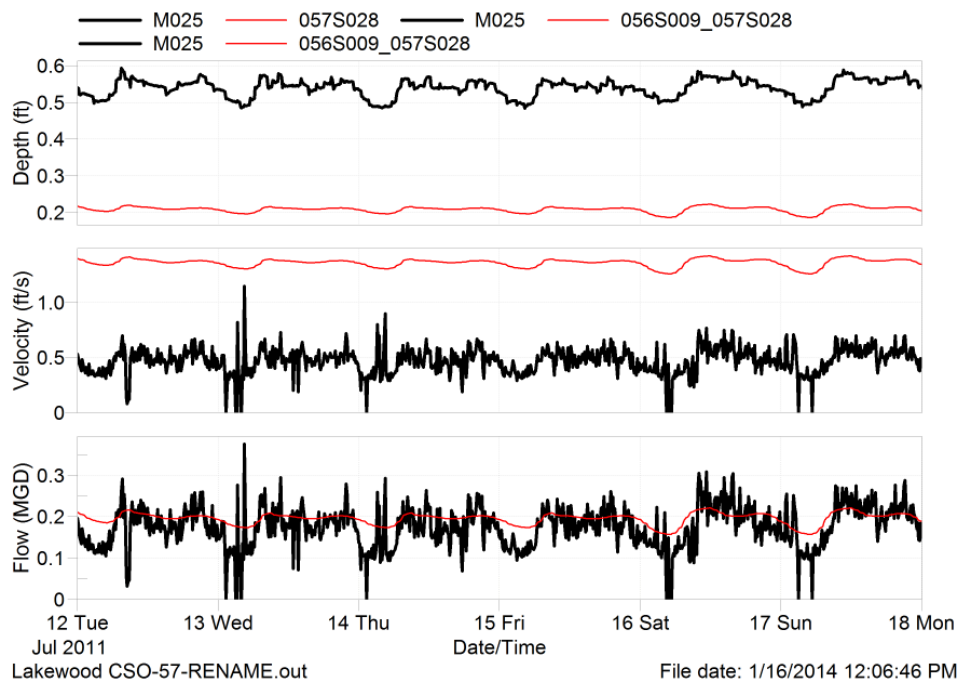
G.16 CSO-057_M021



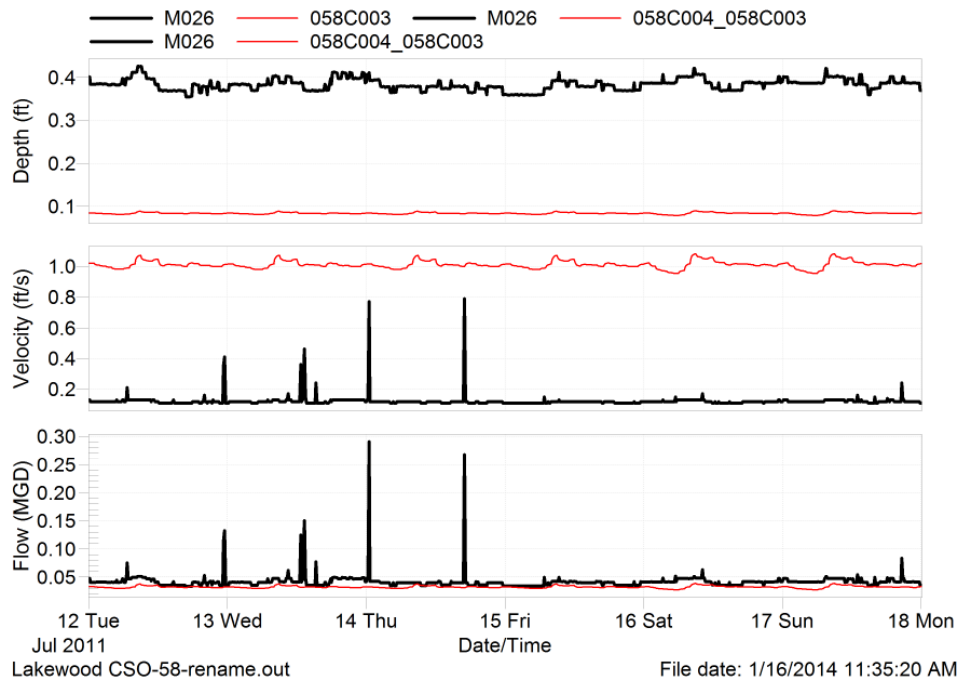
G.17 CSO-057_M023



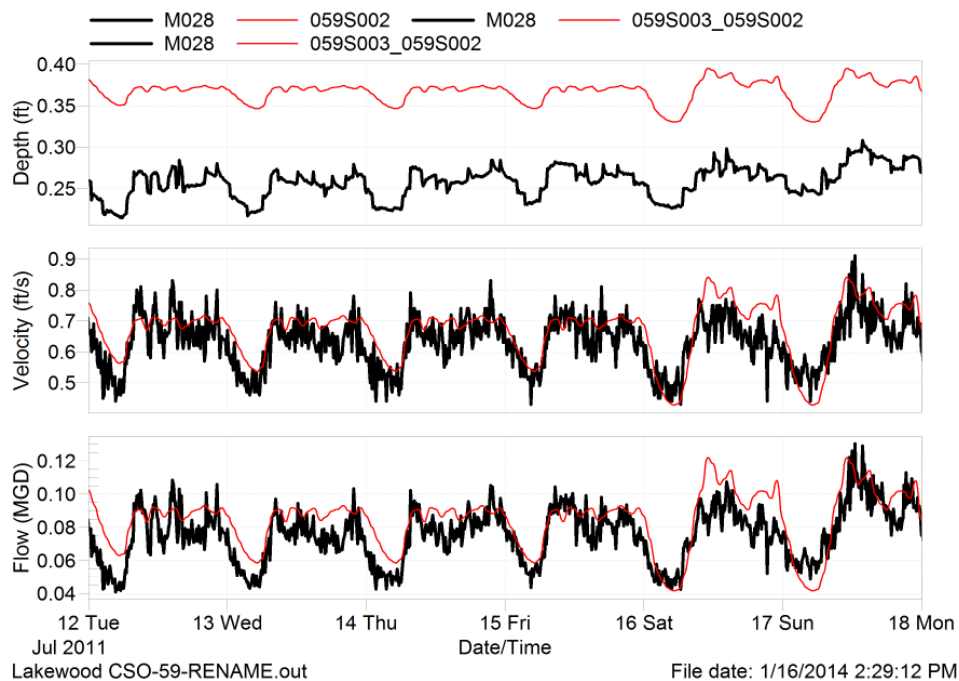
G.18 CSO-058_M025



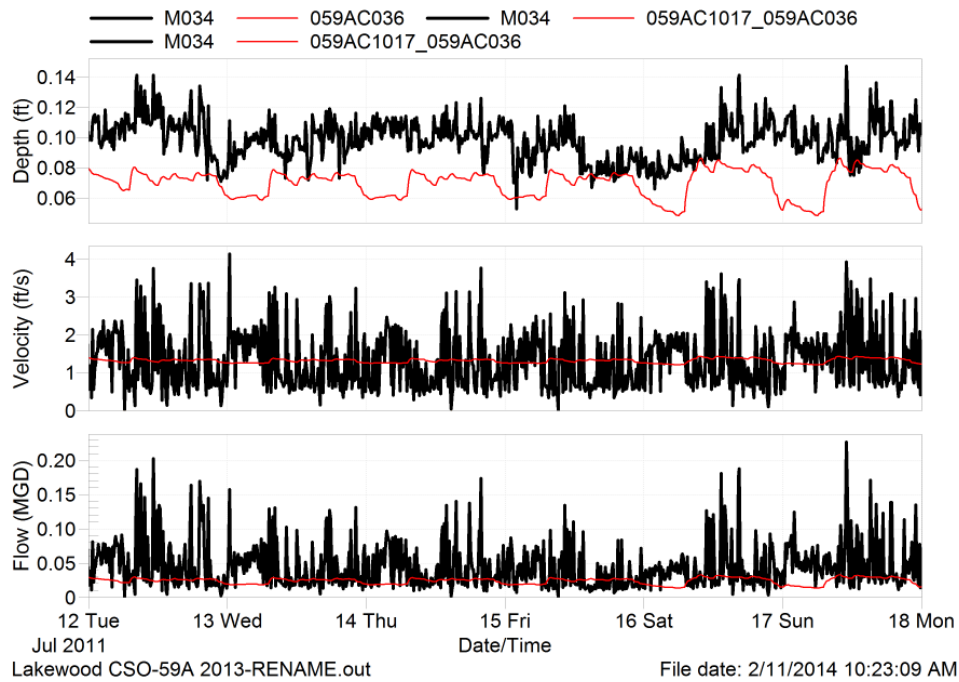
G.19 CSO-058_M026



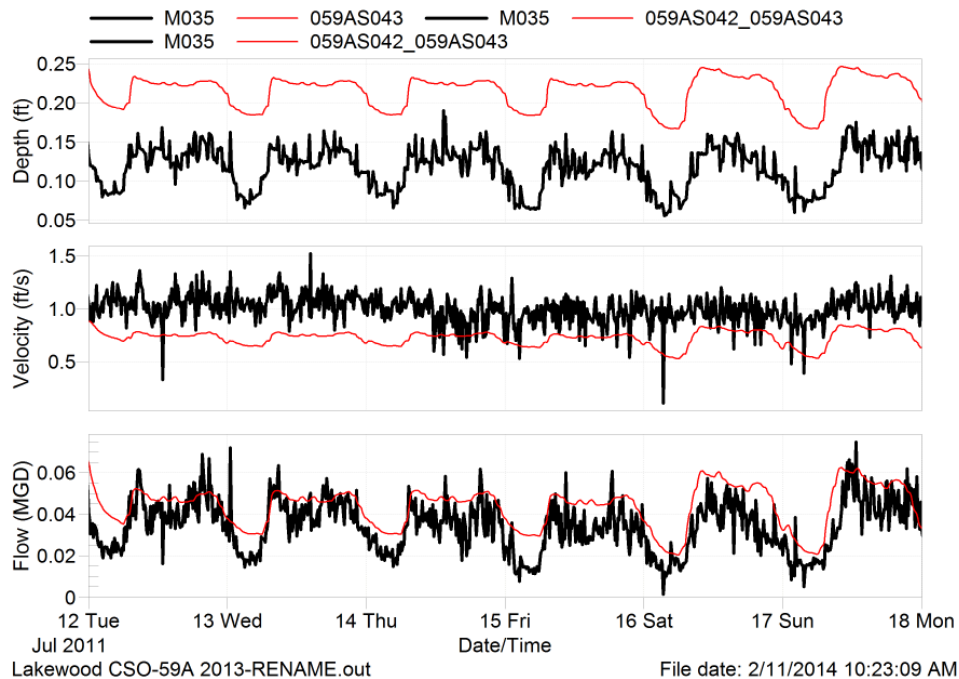
G.20 CSO-059_M028



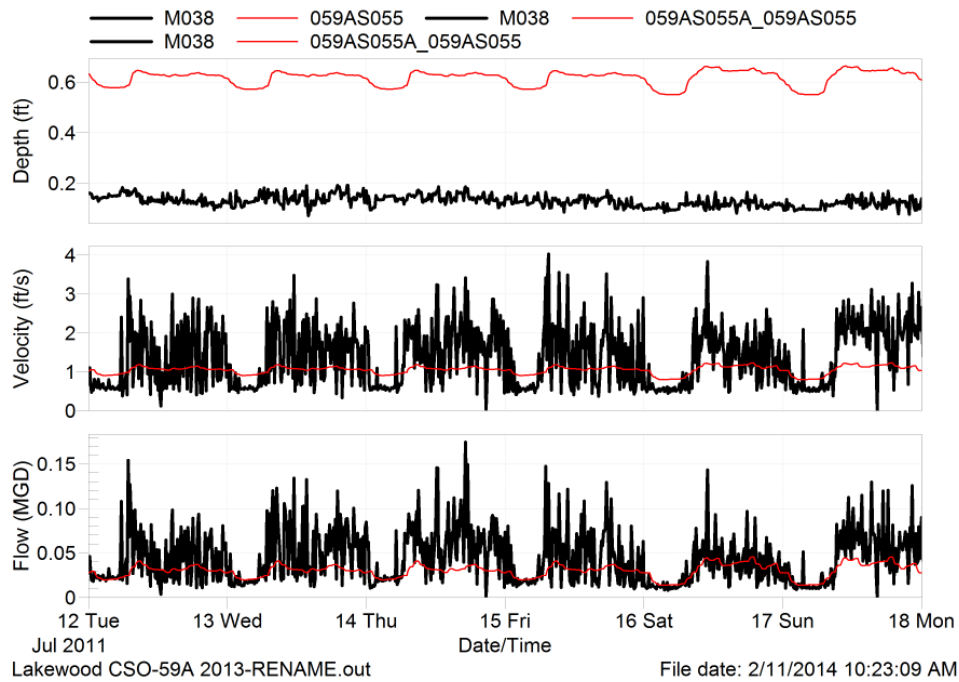
G.21 CSO-059A_M034



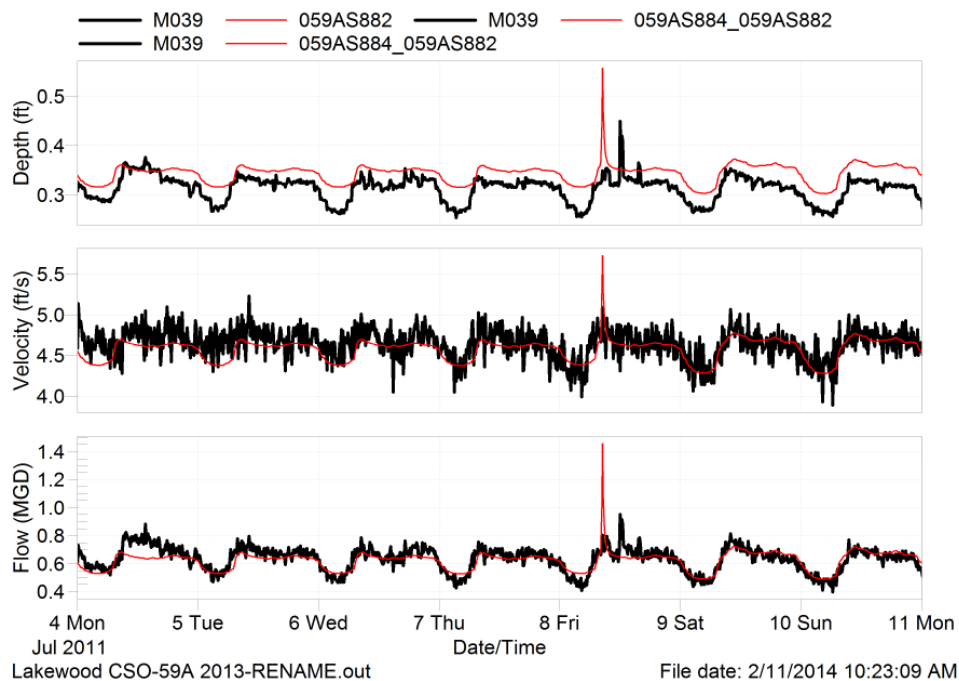
G.22 CSO-059A_M035



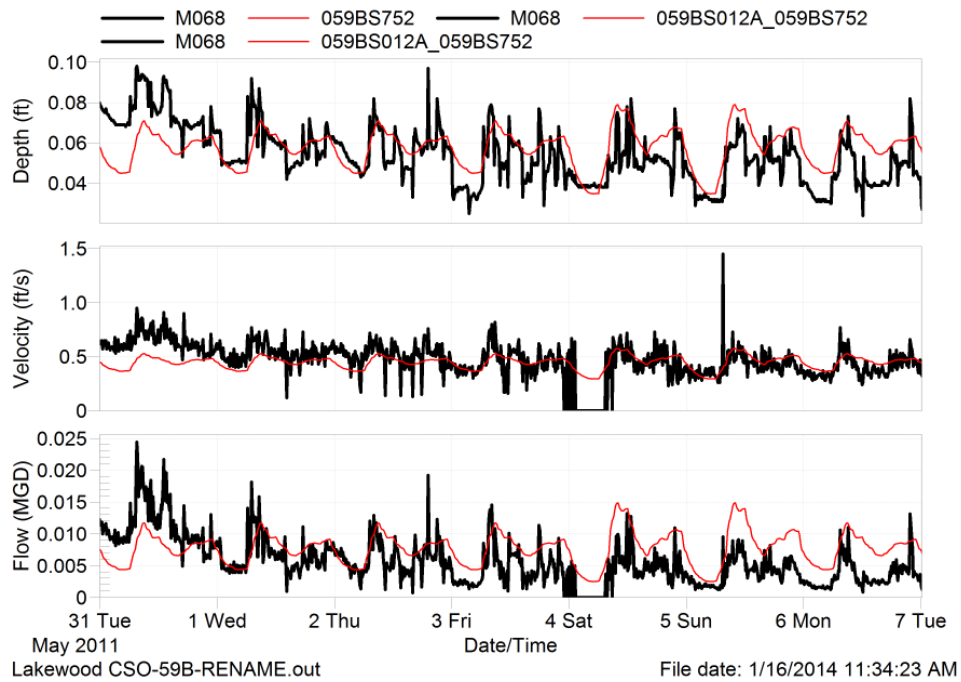
G.23 CSO-059A_M038



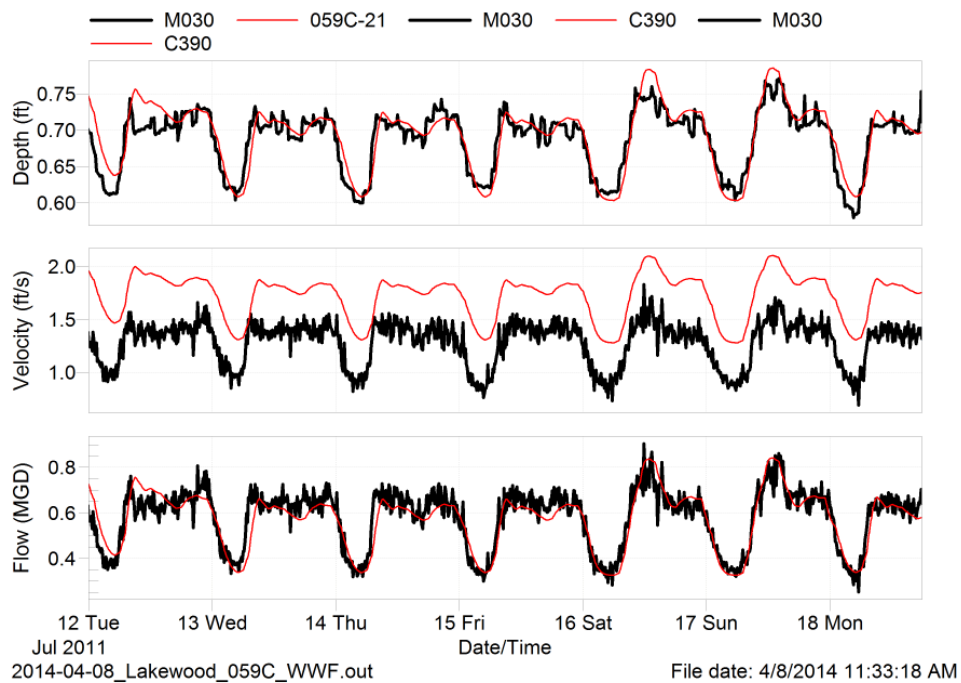
G.24 CSO-059A_M039



G.25 CSO-059B_M068



G.26 CSO-059C_M030



APPENDIX H

APPENDIX H – SSOAP RTK PARAMETERS

H.1 CSO-002A_M044

044

Statistical Analysis Results ...

Number of Events : 8
Median Total-R Value : 4.0%
Average Total-R Value : 4.1%

Distribution of RDII Response (Fast, Medium, Slow)
R-Value Distribution (ratio): 40.8% 27.4% 31.8%
T-Value Distribution (actual value): 0.2 0.5 1.2
K-Value Distribution (actual value): 0.7 2.2 5.3

RDII Representative Parameters	R1	R2	R3
Using Median R-Value Method	: 1.6%	1.1%	1.3%
Using Average R-Value Method	: 1.7%	1.1%	1.3%

Monthly RDII Parameters (using Median R-Value):

Month	Total-R	R1	R2	R3	T1	T2	T3	K1	K2	K3
JAN	No RDII data for this month									
FEB	No RDII data for this month									
MAR	No RDII data for this month									
APR	No RDII data for this month									
MAY	4.0%	1.6%	1.1%	1.3%	0.2	0.5	1.2	0.7	2.2	5.3
JUN	4.3%	1.8%	1.2%	1.4%	0.2	0.5	1.2	0.7	2.2	5.3
JUL	4.2%	1.7%	1.1%	1.3%	0.2	0.5	1.2	0.7	2.2	5.3
AUG	No RDII data for this month									
SEP	No RDII data for this month									
OCT	No RDII data for this month									
NOV	No RDII data for this month									
DEC	No RDII data for this month									

H.2 CSO-002C_M043

043

Statistical Analysis Results ...

Number of Events : 11
Median Total-R Value : 1.8%
Average Total-R Value : 5.2%

Distribution of RDII Response	(Fast,	Medium,	Slow)
R-Value Distribution (ratio):	33.5%	21.9%	8.2%
T-Value Distribution (actual value):	0.3	0.7	1.0
K-Value Distribution (actual value):	2.3	2.8	2.2

RDII Representative Parameters	R1	R2	R3
Using Median R-Value Method	: 0.6%	0.4%	0.1%
Using Average R-Value Method	: 1.8%	1.1%	0.4%

Monthly RDII Parameters (using Median R-Value):

Month	Total-R	R1	R2	R3	T1	T2	T3	K1	K2	K3
JAN	No RDII data for this month									
FEB	No RDII data for this month									
MAR	No RDII data for this month									
APR	No RDII data for this month									
MAY	0.9%	0.5%	0.3%	0.1%	0.3	0.7	1.0	2.3	2.8	2.2
JUN	2.2%	1.2%	0.8%	0.3%	0.3	0.7	1.0	2.3	2.8	2.2
JUL	No RDII data for this month									
AUG	No RDII data for this month									
SEP	No RDII data for this month									
OCT	No RDII data for this month									
NOV	No RDII data for this month									
DEC	No RDII data for this month									

H.3 CSO-002D_M047

047

Statistical Analysis Results ...

Number of Events : 7
Median Total-R Value : 4.6%
Average Total-R Value : 5.2%

Distribution of RDII Response (Fast, Medium, Slow)
R-Value Distribution (ratio): 49.6% 26.6% 23.8%
T-Value Distribution (actual value): 0.3 1.0 1.7
K-Value Distribution (actual value): 1.0 2.0 3.6

RDII Representative Parameters R1 R2 R3
Using Median R-Value Method : 2.3% 1.2% 1.1%
Using Average R-Value Method : 2.6% 1.4% 1.2%

Monthly RDII Parameters (using Median R-Value):

Month	Total-R	R1	R2	R3	T1	T2	T3	K1	K2	K3
JAN	No RDII data for this month									
FEB	No RDII data for this month									
MAR	No RDII data for this month									
APR	No RDII data for this month									
MAY	6.1%	3.0%	1.6%	1.4%	0.3	1.0	1.7	1.0	2.0	3.6
JUN	4.2%	2.1%	1.1%	1.0%	0.3	1.0	1.7	1.0	2.0	3.6
JUL	4.6%	2.3%	1.2%	1.1%	0.3	1.0	1.7	1.0	2.0	3.6
AUG	No RDII data for this month									
SEP	No RDII data for this month									
OCT	No RDII data for this month									
NOV	No RDII data for this month									
DEC	No RDII data for this month									

H.4 CSO-002E_M052

052

Statistical Analysis Results ...

Number of Events : 10
Median Total-R Value : 2.2%
Average Total-R Value : 2.8%

Distribution of RDII Response (Fast, Medium, Slow)
R-Value Distribution (ratio): 28.0% 30.3% 41.6%
T-Value Distribution (actual value): 0.3 1.2 3.8
K-Value Distribution (actual value): 1.1 1.9 2.8

RDII Representative Parameters R1 R2 R3
Using Median R-Value Method : 0.6% 0.7% 0.9%
Using Average R-Value Method : 0.8% 0.8% 1.1%

Monthly RDII Parameters (using Median R-Value):

Month	Total-R	R1	R2	R3	T1	T2	T3	K1	K2	K3
JAN	No RDII data for this month									
FEB	No RDII data for this month									
MAR	No RDII data for this month									
APR	No RDII data for this month									
MAY	3.3%	0.9%	1.0%	1.4%	0.3	1.2	3.8	1.1	1.9	2.8
JUN	1.7%	0.5%	0.5%	0.7%	0.3	1.2	3.8	1.1	1.9	2.8
JUL	3.5%	1.0%	1.1%	1.5%	0.3	1.2	3.8	1.1	1.9	2.8
AUG	No RDII data for this month									
SEP	No RDII data for this month									
OCT	No RDII data for this month									
NOV	No RDII data for this month									
DEC	No RDII data for this month									

H.5 CSO-052_M004

M004

Statistical Analysis Results ...

Number of Events : 8
Median Total-R Value : 22.5%
Average Total-R Value : 33.3%

Distribution of RDII Response	(Fast,	Medium,	Slow)
R-Value Distribution (ratio):	17.4%	13.7%	56.3%
T-Value Distribution (actual value):	0.3	0.6	0.9
K-Value Distribution (actual value):	1.1	2.2	2.6

RDII Representative Parameters	R1	R2	R3
Using Median R-Value Method	: 3.9%	3.1%	12.7%
Using Average R-Value Method	: 5.8%	4.6%	18.7%

Monthly RDII Parameters (using Median R-Value):

Month	Total-R	R1	R2	R3	T1	T2	T3	K1	K2	K3
JAN	No RDII data for this month									
FEB	No RDII data for this month									
MAR	No RDII data for this month									
APR	No RDII data for this month									
MAY	26.3%	5.2%	4.1%	16.9%	0.3	0.6	0.9	1.1	2.2	2.6
JUN	37.2%	7.4%	5.8%	23.9%	0.3	0.6	0.9	1.1	2.2	2.6
JUL	11.4%	2.3%	1.8%	7.3%	0.3	0.6	0.9	1.1	2.2	2.6
AUG	No RDII data for this month									
SEP	No RDII data for this month									
OCT	No RDII data for this month									
NOV	No RDII data for this month									
DEC	No RDII data for this month									

H.6 CSO-052_M008

M008

Statistical Analysis Results ...

Number of Events : 8
Median Total-R Value : 25.0%
Average Total-R Value : 32.1%

Distribution of RDII Response (Fast, Medium, Slow)
R-Value Distribution (ratio): 39.4% 27.6% 32.9%
T-Value Distribution (actual value): 0.4 0.9 1.3
K-Value Distribution (actual value): 1.6 3.5 5.0

RDII Representative Parameters R1 R2 R3
Using Median R-Value Method : 9.9% 6.9% 8.2%
Using Average R-Value Method : 12.7% 8.9% 10.6%

Monthly RDII Parameters (using Median R-Value):

Month	Total-R	R1	R2	R3	T1	T2	T3	K1	K2	K3
JAN	No RDII data for this month									
FEB	No RDII data for this month									
MAR	No RDII data for this month									
APR	No RDII data for this month									
MAY	30.0%	11.8%	8.3%	9.9%	0.4	0.9	1.3	1.6	3.5	5.0
JUN	25.0%	9.9%	6.9%	8.2%	0.4	0.9	1.3	1.6	3.5	5.0
JUL	20.0%	7.9%	5.5%	6.6%	0.4	0.9	1.3	1.6	3.5	5.0
AUG	No RDII data for this month									
SEP	No RDII data for this month									
OCT	No RDII data for this month									
NOV	No RDII data for this month									
DEC	No RDII data for this month									

H.7 CSO-053/054_M114

114

Statistical Analysis Results ...

Number of Events : 7
Median Total-R Value : 13.7%
Average Total-R Value : 16.0%

Distribution of RDII Response	(Fast,	Medium,	Slow)
R-Value Distribution (ratio):	55.5%	30.9%	13.6%
T-Value Distribution (actual value):	0.2	0.6	1.7
K-Value Distribution (actual value):	1.1	2.7	5.8

RDII Representative Parameters	R1	R2	R3
Using Median R-Value Method	: 7.6%	4.2%	1.9%
Using Average R-Value Method	: 8.9%	4.9%	2.2%

Monthly RDII Parameters (using Median R-Value):

Month	Total-R	R1	R2	R3	T1	T2	T3	K1	K2	K3
JAN	No RDII data for this month									
FEB	No RDII data for this month									
MAR	No RDII data for this month									
APR	No RDII data for this month									
MAY	No RDII data for this month									
JUN	13.3%	7.4%	4.1%	1.8%	0.2	0.6	1.7	1.1	2.7	5.8
JUL	11.0%	6.1%	3.4%	1.5%	0.2	0.6	1.7	1.1	2.7	5.8
AUG	23.3%	12.9%	7.2%	3.2%	0.2	0.6	1.7	1.1	2.7	5.8
SEP	No RDII data for this month									
OCT	No RDII data for this month									
NOV	No RDII data for this month									
DEC	No RDII data for this month									

H.8 CSO-055_M015

CSO 055 Analysis

Statistical Analysis Results ...

Number of Events : 9
Median Total-R Value : 13.5%
Average Total-R Value : 13.3%

Distribution of RDII Response	(Fast,	Medium,	Slow)
R-Value Distribution (ratio):	72.2%	13.3%	14.5%
T-Value Distribution (actual value):	0.3	0.8	2.4
K-Value Distribution (actual value):	0.8	1.6	2.8

RDII Representative Parameters	R1	R2	R3
Using Median R-Value Method	: 9.8%	1.8%	2.0%
Using Average R-Value Method	: 9.6%	1.8%	1.9%

Monthly RDII Parameters (using Median R-Value):

Month	Total-R	R1	R2	R3	T1	T2	T3	K1	K2	K3
JAN	No RDII data for this month									
FEB	No RDII data for this month									
MAR	No RDII data for this month									
APR	No RDII data for this month									
MAY	14.7%	10.6%	2.0%	2.1%	0.3	0.8	2.4	0.8	1.6	2.8
JUN	12.6%	9.1%	1.7%	1.8%	0.3	0.8	2.4	0.8	1.6	2.8
JUL	12.5%	9.0%	1.7%	1.8%	0.3	0.8	2.4	0.8	1.6	2.8
AUG	No RDII data for this month									
SEP	No RDII data for this month									
OCT	No RDII data for this month									
NOV	No RDII data for this month									
DEC	No RDII data for this month									

H.9 CSO-056_M016

016_analysis

Statistical Analysis Results ...

Number of Events : 12
Median Total-R Value : 13.1%
Average Total-R Value : 15.5%

Distribution of RDII Response (Fast, Medium, Slow)
R-Value Distribution (ratio): 39.3% 32.5% 28.3%
T-Value Distribution (actual value): 0.2 0.9 2.6
K-Value Distribution (actual value): 0.9 1.7 2.9

RDII Representative Parameters R1 R2 R3
Using Median R-Value Method : 5.1% 4.2% 3.7%
Using Average R-Value Method : 6.1% 5.0% 4.4%

Monthly RDII Parameters (using Median R-Value):

Month	Total-R	R1	R2	R3	T1	T2	T3	K1	K2	K3
JAN	No RDII data for this month									
FEB	No RDII data for this month									
MAR	No RDII data for this month									
APR	No RDII data for this month									
MAY	22.5%	8.8%	7.3%	6.4%	0.2	0.9	2.6	0.9	1.7	2.9
JUN	10.3%	4.0%	3.3%	2.9%	0.2	0.9	2.6	0.9	1.7	2.9
JUL	13.1%	5.1%	4.2%	3.7%	0.2	0.9	2.6	0.9	1.7	2.9
AUG	No RDII data for this month									
SEP	No RDII data for this month									
OCT	No RDII data for this month									
NOV	No RDII data for this month									
DEC	No RDII data for this month									

H.10 CSO-056_M018

M018 Analysis

Statistical Analysis Results ...

Number of Events : 13
Median Total-R Value : 11.7%
Average Total-R Value : 11.7%

Distribution of RDII Response	(Fast,	Medium,	Slow)
R-Value Distribution (ratio):	49.9%	29.5%	12.9%
T-Value Distribution (actual value):	0.5	1.0	2.1
K-Value Distribution (actual value):	1.3	1.9	3.9

RDII Representative Parameters	R1	R2	R3
Using Median R-Value Method	: 5.8%	3.5%	1.5%
Using Average R-Value Method	: 5.8%	3.4%	1.5%

Monthly RDII Parameters (using Median R-Value):

Month	Total-R	R1	R2	R3	T1	T2	T3	K1	K2	K3
JAN	No RDII data for this month									
FEB	No RDII data for this month									
MAR	No RDII data for this month									
APR	16.6%	9.0%	5.3%	2.3%	0.5	1.0	2.1	1.3	1.9	3.9
MAY	15.7%	8.5%	5.0%	2.2%	0.5	1.0	2.1	1.3	1.9	3.9
JUN	10.1%	5.5%	3.2%	1.4%	0.5	1.0	2.1	1.3	1.9	3.9
JUL	10.0%	5.4%	3.2%	1.4%	0.5	1.0	2.1	1.3	1.9	3.9
AUG	7.0%	3.8%	2.2%	1.0%	0.5	1.0	2.1	1.3	1.9	3.9
SEP	No RDII data for this month									
OCT	No RDII data for this month									
NOV	No RDII data for this month									
DEC	No RDII data for this month									

H.11 CSO-056_M051

051

Statistical Analysis Results ...

Number of Events : 15
Median Total-R Value : 18.6%
Average Total-R Value : 21.7%

Distribution of RDII Response (Fast, Medium, Slow)
R-Value Distribution (ratio): 51.7% 26.6% 21.7%
T-Value Distribution (actual value): 0.2 0.7 2.1
K-Value Distribution (actual value): 1.1 1.8 2.5

RDII Representative Parameters R1 R2 R3
Using Median R-Value Method : 9.6% 4.9% 4.0%
Using Average R-Value Method : 11.2% 5.8% 4.7%

Monthly RDII Parameters (using Median R-Value):

Month	Total-R	R1	R2	R3	T1	T2	T3	K1	K2	K3
JAN	No RDII data for this month									
FEB	No RDII data for this month									
MAR	No RDII data for this month									
APR	No RDII data for this month									
MAY	16.8%	8.7%	4.5%	3.6%	0.2	0.7	2.1	1.1	1.8	2.5
JUN	22.0%	11.4%	5.8%	4.8%	0.2	0.7	2.1	1.1	1.8	2.5
JUL	28.8%	14.9%	7.7%	6.3%	0.2	0.7	2.1	1.1	1.8	2.5
AUG	No RDII data for this month									
SEP	No RDII data for this month									
OCT	No RDII data for this month									
NOV	No RDII data for this month									
DEC	No RDII data for this month									

H.12 CSO-056_M070

M070

Statistical Analysis Results ...

Number of Events : 12
Median Total-R Value : 26.3%
Average Total-R Value : 29.1%

Distribution of RDII Response (Fast, Medium, Slow)
R-Value Distribution (ratio): 50.5% 30.5% 19.1%
T-Value Distribution (actual value): 0.3 0.7 2.7
K-Value Distribution (actual value): 0.9 1.4 2.5

RDII Representative Parameters R1 R2 R3
Using Median R-Value Method : 13.2% 8.0% 5.0%
Using Average R-Value Method : 14.7% 8.9% 5.5%

Monthly RDII Parameters (using Median R-Value):

Month	Total-R	R1	R2	R3	T1	T2	T3	K1	K2	K3
JAN	No RDII data for this month									
FEB	No RDII data for this month									
MAR	No RDII data for this month									
APR	No RDII data for this month									
MAY	29.0%	14.6%	8.8%	5.5%	0.3	0.7	2.7	0.9	1.4	2.5
JUN	32.0%	16.1%	9.8%	6.1%	0.3	0.7	2.7	0.9	1.4	2.5
JUL	13.3%	6.7%	4.1%	2.5%	0.3	0.7	2.7	0.9	1.4	2.5
AUG	No RDII data for this month									
SEP	No RDII data for this month									
OCT	No RDII data for this month									
NOV	No RDII data for this month									
DEC	No RDII data for this month									

H.13 CSO-057_M021

021

Statistical Analysis Results ...

Number of Events : 11
Median Total-R Value : 3.4%
Average Total-R Value : 4.6%

Distribution of RDII Response	(Fast,	Medium,	Slow)
R-Value Distribution (ratio):	44.3%	25.7%	30.0%
T-Value Distribution (actual value):	0.2	0.7	1.4
K-Value Distribution (actual value):	0.8	1.6	3.6

RDII Representative Parameters	R1	R2	R3
Using Median R-Value Method	: 1.5%	0.9%	1.0%
Using Average R-Value Method	: 2.0%	1.2%	1.4%

Monthly RDII Parameters (using Median R-Value):

Month	Total-R	R1	R2	R3	T1	T2	T3	K1	K2	K3
JAN	No RDII data for this month									
FEB	No RDII data for this month									
MAR	No RDII data for this month									
APR	No RDII data for this month									
MAY	4.2%	1.9%	1.1%	1.3%	0.2	0.7	1.4	0.8	1.6	3.6
JUN	3.2%	1.4%	0.8%	1.0%	0.2	0.7	1.4	0.8	1.6	3.6
JUL	2.8%	1.2%	0.7%	0.8%	0.2	0.7	1.4	0.8	1.6	3.6
AUG	No RDII data for this month									
SEP	No RDII data for this month									
OCT	No RDII data for this month									
NOV	No RDII data for this month									
DEC	No RDII data for this month									

H.14 CSO-057_M023

023

Statistical Analysis Results ...

Number of Events : 12
Median Total-R Value : 7.4%
Average Total-R Value : 7.4%

Distribution of RDII Response (Fast, Medium, Slow)
R-Value Distribution (ratio): 39.8% 28.5% 31.7%
T-Value Distribution (actual value): 0.3 0.7 1.5
K-Value Distribution (actual value): 1.6 2.4 5.4

RDII Representative Parameters R1 R2 R3
Using Median R-Value Method : 2.9% 2.1% 2.3%
Using Average R-Value Method : 2.9% 2.1% 2.3%

Monthly RDII Parameters (using Median R-Value):

Month	Total-R	R1	R2	R3	T1	T2	T3	K1	K2	K3
JAN	No RDII data for this month									
FEB	No RDII data for this month									
MAR	No RDII data for this month									
APR	No RDII data for this month									
MAY	11.8%	4.7%	3.3%	3.7%	0.3	0.7	1.5	1.6	2.4	5.4
JUN	6.9%	2.7%	2.0%	2.2%	0.3	0.7	1.5	1.6	2.4	5.4
JUL	5.2%	2.1%	1.5%	1.6%	0.3	0.7	1.5	1.6	2.4	5.4
AUG	No RDII data for this month									
SEP	No RDII data for this month									
OCT	No RDII data for this month									
NOV	No RDII data for this month									
DEC	No RDII data for this month									

H.15 CSO-058_M025

025

Statistical Analysis Results ...

Number of Events : 8
Median Total-R Value : 96.0%
Average Total-R Value : 363.4%

Distribution of RDII Response (Fast, Medium, Slow)
R-Value Distribution (ratio): 21.3% 12.8% 40.9%
T-Value Distribution (actual value): 0.7 1.4 4.4
K-Value Distribution (actual value): 1.6 3.8 4.0

RDII Representative Parameters R1 R2 R3
Using Median R-Value Method : 20.5% 12.2% 39.3%
Using Average R-Value Method : 77.4% 46.4% 148.8%

Monthly RDII Parameters (using Median R-Value):

Month	Total-R	R1	R2	R3	T1	T2	T3	K1	K2	K3
JAN	No RDII data for this month									
FEB	No RDII data for this month									
MAR	No RDII data for this month									
APR	No RDII data for this month									
MAY	656.3%	186.4%	111.6%	358.2%	0.7	1.4	4.4	1.6	3.8	4.0
JUN	311.3%	88.4%	52.9%	169.9%	0.7	1.4	4.4	1.6	3.8	4.0
JUL	45.0%	12.8%	7.7%	24.6%	0.7	1.4	4.4	1.6	3.8	4.0
AUG	No RDII data for this month									
SEP	No RDII data for this month									
OCT	No RDII data for this month									
NOV	No RDII data for this month									
DEC	No RDII data for this month									

H.16 CSO-059_M028

028 Analysis

Statistical Analysis Results ...

Number of Events : 13
Median Total-R Value : 6.3%
Average Total-R Value : 6.2%

Distribution of RDII Response (Fast, Medium, Slow)
R-Value Distribution (ratio): 37.7% 27.2% 35.1%
T-Value Distribution (actual value): 0.3 1.1 3.2
K-Value Distribution (actual value): 1.8 2.2 3.9

RDII Representative Parameters R1 R2 R3
Using Median R-Value Method : 2.4% 1.7% 2.2%
Using Average R-Value Method : 2.3% 1.7% 2.2%

Monthly RDII Parameters (using Median R-Value):

Month	Total-R	R1	R2	R3	T1	T2	T3	K1	K2	K3
JAN	No RDII data for this month									
FEB	No RDII data for this month									
MAR	No RDII data for this month									
APR	No RDII data for this month									
MAY	8.1%	3.1%	2.2%	2.9%	0.3	1.1	3.2	1.8	2.2	3.9
JUN	5.2%	2.0%	1.4%	1.8%	0.3	1.1	3.2	1.8	2.2	3.9
JUL	6.3%	2.4%	1.7%	2.2%	0.3	1.1	3.2	1.8	2.2	3.9
AUG	No RDII data for this month									
SEP	No RDII data for this month									
OCT	No RDII data for this month									
NOV	No RDII data for this month									
DEC	No RDII data for this month									

H.17 CSO-059A_M034

034

Statistical Analysis Results ...

Number of Events : 9
Median Total-R Value : 9.9%
Average Total-R Value : 10.0%

Distribution of RDII Response (Fast, Medium, Slow)
R-Value Distribution (ratio): 55.9% 18.4% 25.7%
T-Value Distribution (actual value): 0.3 0.9 2.2
K-Value Distribution (actual value): 0.8 2.0 3.0

RDII Representative Parameters R1 R2 R3
Using Median R-Value Method : 5.5% 1.8% 2.5%
Using Average R-Value Method : 5.6% 1.8% 2.6%

Monthly RDII Parameters (using Median R-Value):

Month	Total-R	R1	R2	R3	T1	T2	T3	K1	K2	K3
JAN	No RDII data for this month									
FEB	No RDII data for this month									
MAR	No RDII data for this month									
APR	No RDII data for this month									
MAY	9.4%	5.3%	1.7%	2.4%	0.3	0.9	2.2	0.8	2.0	3.0
JUN	8.7%	4.9%	1.6%	2.2%	0.3	0.9	2.2	0.8	2.0	3.0
JUL	11.8%	6.6%	2.2%	3.0%	0.3	0.9	2.2	0.8	2.0	3.0
AUG	No RDII data for this month									
SEP	No RDII data for this month									
OCT	No RDII data for this month									
NOV	No RDII data for this month									
DEC	No RDII data for this month									

H.18 CSO-059A_M035

035

Statistical Analysis Results ...

Number of Events : 11
Median Total-R Value : 56.5%
Average Total-R Value : 57.1%

Distribution of RDII Response	(Fast,	Medium,	Slow)
R-Value Distribution (ratio):	37.8%	50.5%	11.7%
T-Value Distribution (actual value):	0.3	0.7	1.9
K-Value Distribution (actual value):	1.4	2.2	4.2

RDII Representative Parameters	R1	R2	R3
Using Median R-Value Method	: 21.4%	28.5%	6.6%
Using Average R-Value Method	: 21.6%	28.8%	6.7%

Monthly RDII Parameters (using Median R-Value):

Month	Total-R	R1	R2	R3	T1	T2	T3	K1	K2	K3
JAN	No RDII data for this month									
FEB	No RDII data for this month									
MAR	No RDII data for this month									
APR	No RDII data for this month									
MAY	56.5%	21.4%	28.5%	6.6%	0.3	0.7	1.9	1.4	2.2	4.2
JUN	45.5%	17.2%	23.0%	5.3%	0.3	0.7	1.9	1.4	2.2	4.2
JUL	60.0%	22.7%	30.3%	7.0%	0.3	0.7	1.9	1.4	2.2	4.2
AUG	No RDII data for this month									
SEP	No RDII data for this month									
OCT	No RDII data for this month									
NOV	No RDII data for this month									
DEC	No RDII data for this month									

H.19 CSO-059A_M038

038

Statistical Analysis Results ...

Number of Events : 12
Median Total-R Value : 45.5%
Average Total-R Value : 50.5%

Distribution of RDII Response (Fast, Medium, Slow)
R-Value Distribution (ratio): 53.1% 30.0% 16.8%
T-Value Distribution (actual value): 0.2 0.8 1.2
K-Value Distribution (actual value): 0.8 1.4 1.8

RDII Representative Parameters R1 R2 R3
Using Median R-Value Method : 24.2% 13.7% 7.7%
Using Average R-Value Method : 26.8% 15.2% 8.5%

Monthly RDII Parameters (using Median R-Value):

Month	Total-R	R1	R2	R3	T1	T2	T3	K1	K2	K3
JAN	No RDII data for this month									
FEB	No RDII data for this month									
MAR	No RDII data for this month									
APR	No RDII data for this month									
MAY	59.5%	31.6%	17.9%	10.0%	0.2	0.8	1.2	0.8	1.4	1.8
JUN	37.0%	19.7%	11.1%	6.2%	0.2	0.8	1.2	0.8	1.4	1.8
JUL	48.0%	25.5%	14.4%	8.1%	0.2	0.8	1.2	0.8	1.4	1.8
AUG	No RDII data for this month									
SEP	No RDII data for this month									
OCT	No RDII data for this month									
NOV	No RDII data for this month									
DEC	No RDII data for this month									

H.20 CSO-059A_M039

039

Statistical Analysis Results ...

Number of Events : 12
Median Total-R Value : 8.8%
Average Total-R Value : 8.6%

Distribution of RDII Response (Fast, Medium, Slow)
R-Value Distribution (ratio): 35.8% 45.9% 18.3%
T-Value Distribution (actual value): 0.3 0.9 2.3
K-Value Distribution (actual value): 1.1 2.1 3.1

RDII Representative Parameters R1 R2 R3
Using Median R-Value Method : 3.1% 4.0% 1.6%
Using Average R-Value Method : 3.1% 4.0% 1.6%

Monthly RDII Parameters (using Median R-Value):

Month	Total-R	R1	R2	R3	T1	T2	T3	K1	K2	K3
JAN	No RDII data for this month									
FEB	No RDII data for this month									
MAR	No RDII data for this month									
APR	No RDII data for this month									
MAY	10.7%	3.8%	4.9%	2.0%	0.3	0.9	2.3	1.1	2.1	3.1
JUN	5.1%	1.8%	2.3%	0.9%	0.3	0.9	2.3	1.1	2.1	3.1
JUL	10.0%	3.6%	4.6%	1.8%	0.3	0.9	2.3	1.1	2.1	3.1
AUG	No RDII data for this month									
SEP	No RDII data for this month									
OCT	No RDII data for this month									
NOV	No RDII data for this month									
DEC	No RDII data for this month									

H.21 CSO-059B_M068

068

Statistical Analysis Results ...

Number of Events : 3
Median Total-R Value : 28.0%
Average Total-R Value : 29.3%

Distribution of RDII Response	(Fast,	Medium,	Slow)
R-Value Distribution (ratio):	31.3%	17.1%	18.3%
T-Value Distribution (actual value):	1.8	1.3	2.2
K-Value Distribution (actual value):	0.8	2.3	3.0

RDII Representative Parameters	R1	R2	R3
Using Median R-Value Method	: 8.8%	4.8%	5.1%
Using Average R-Value Method	: 9.2%	5.0%	5.4%

Monthly RDII Parameters (using Median R-Value):

Month	Total-R	R1	R2	R3	T1	T2	T3	K1	K2	K3
JAN	No RDII data for this month									
FEB	No RDII data for this month									
MAR	No RDII data for this month									
APR	No RDII data for this month									
MAY	9.3%	4.4%	2.4%	2.6%	1.8	1.3	2.2	0.8	2.3	3.0
JUN	No RDII data for this month									
JUL	40.0%	18.8%	10.2%	11.0%	1.8	1.3	2.2	0.8	2.3	3.0
AUG	No RDII data for this month									
SEP	No RDII data for this month									
OCT	No RDII data for this month									
NOV	No RDII data for this month									
DEC	No RDII data for this month									

H.22 CSO-059C_M030

030

Statistical Analysis Results ...

Number of Events : 7
Median Total-R Value : 17.9%
Average Total-R Value : 23.9%

Distribution of RDII Response (Fast, Medium, Slow)
R-Value Distribution (ratio): 18.1% 24.7% 57.2%
T-Value Distribution (actual value): 0.5 1.5 4.0
K-Value Distribution (actual value): 1.5 2.9 6.6

RDII Representative Parameters R1 R2 R3
Using Median R-Value Method : 3.3% 4.4% 10.3%
Using Average R-Value Method : 4.3% 5.9% 13.7%

Monthly RDII Parameters (using Median R-Value):

Month	Total-R	R1	R2	R3	T1	T2	T3	K1	K2	K3
JAN	No RDII data for this month									
FEB	No RDII data for this month									
MAR	No RDII data for this month									
APR	No RDII data for this month									
MAY	33.6%	6.1%	8.3%	19.2%	0.5	1.5	4.0	1.5	2.9	6.6
JUN	17.9%	3.3%	4.4%	10.3%	0.5	1.5	4.0	1.5	2.9	6.6
JUL	17.0%	3.1%	4.2%	9.7%	0.5	1.5	4.0	1.5	2.9	6.6
AUG	No RDII data for this month									
SEP	No RDII data for this month									
OCT	No RDII data for this month									
NOV	No RDII data for this month									
DEC	No RDII data for this month									

APPENDIX I

APPENDIX J

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
1	1977	1	1	0	0	0
2	1977	1	1	0	15	0
3	1977	1	1	0	30	0
4	1977	1	1	0	45	0
5	1977	1	1	1	0	0
6	1977	1	1	1	15	0
7	1977	1	1	1	30	0
8	1977	1	1	1	45	0
9	1977	1	1	2	0	0
10	1977	1	1	2	15	0
11	1977	1	1	2	30	0
12	1977	1	1	2	45	0
13	1977	1	1	3	0	0
14	1977	1	1	3	15	0
15	1977	1	1	3	30	0
16	1977	1	1	3	45	0
17	1977	1	1	4	0	0
18	1977	1	1	4	15	0
19	1977	1	1	4	30	0
20	1977	1	1	4	45	0
21	1977	1	1	5	0	0
22	1977	1	1	5	15	0
23	1977	1	1	5	30	0
24	1977	1	1	5	45	0
25	1977	1	1	6	0	0
26	1977	1	1	6	15	0
27	1977	1	1	6	30	0
28	1977	1	1	6	45	0
29	1977	1	1	7	0	0
30	1977	1	1	7	15	0
31	1977	1	1	7	30	0
32	1977	1	1	7	45	0
33	1977	1	1	8	0	0
34	1977	1	1	8	15	0
35	1977	1	1	8	30	0
36	1977	1	1	8	45	0
37	1977	1	1	9	0	0
38	1977	1	1	9	15	0
39	1977	1	1	9	30	0
40	1977	1	1	9	45	0
41	1977	1	1	10	0	0
42	1977	1	1	10	15	0
43	1977	1	1	10	30	0
44	1977	1	1	10	45	0
45	1977	1	1	11	0	0
46	1977	1	1	11	15	0
47	1977	1	1	11	30	0
48	1977	1	1	11	45	0
49	1977	1	1	12	0	0
50	1977	1	1	12	15	0
51	1977	1	1	12	30	0
52	1977	1	1	12	45	0

Typical Year Summary Statistics	
Yearly Total (in)	37.52
Maximum Day (in)	1.76
Date of Maximum	6/30/1977
Maximum Month (in)	4.77
Month of Maximum	June

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
53	1977	1	1	13	0	0
54	1977	1	1	13	15	0
55	1977	1	1	13	30	0
56	1977	1	1	13	45	0
57	1977	1	1	14	0	0
58	1977	1	1	14	15	0
59	1977	1	1	14	30	0
60	1977	1	1	14	45	0
61	1977	1	1	15	0	0.0025
62	1977	1	1	15	15	0.0025
63	1977	1	1	15	30	0.0025
64	1977	1	1	15	45	0.0025
65	1977	1	1	16	0	0
66	1977	1	1	16	15	0
67	1977	1	1	16	30	0
68	1977	1	1	16	45	0
69	1977	1	1	17	0	0
70	1977	1	1	17	15	0
71	1977	1	1	17	30	0
72	1977	1	1	17	45	0
73	1977	1	1	18	0	0
74	1977	1	1	18	15	0
75	1977	1	1	18	30	0
76	1977	1	1	18	45	0
77	1977	1	1	19	0	0
78	1977	1	1	19	15	0
79	1977	1	1	19	30	0
80	1977	1	1	19	45	0
81	1977	1	1	20	0	0
82	1977	1	1	20	15	0
83	1977	1	1	20	30	0
84	1977	1	1	20	45	0
85	1977	1	1	21	0	0
86	1977	1	1	21	15	0
87	1977	1	1	21	30	0
88	1977	1	1	21	45	0
89	1977	1	1	22	0	0
90	1977	1	1	22	15	0
91	1977	1	1	22	30	0
92	1977	1	1	22	45	0
93	1977	1	1	23	0	0
94	1977	1	1	23	15	0
95	1977	1	1	23	30	0
96	1977	1	1	23	45	0
97	1977	1	2	0	0	0
98	1977	1	2	0	15	0
99	1977	1	2	0	30	0
100	1977	1	2	0	45	0
101	1977	1	2	1	0	0
102	1977	1	2	1	15	0
103	1977	1	2	1	30	0
104	1977	1	2	1	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
105	1977	1	2	2	0	0
106	1977	1	2	2	15	0
107	1977	1	2	2	30	0
108	1977	1	2	2	45	0
109	1977	1	2	3	0	0
110	1977	1	2	3	15	0
111	1977	1	2	3	30	0
112	1977	1	2	3	45	0
113	1977	1	2	4	0	0
114	1977	1	2	4	15	0
115	1977	1	2	4	30	0
116	1977	1	2	4	45	0
117	1977	1	2	5	0	0
118	1977	1	2	5	15	0
119	1977	1	2	5	30	0
120	1977	1	2	5	45	0
121	1977	1	2	6	0	0
122	1977	1	2	6	15	0
123	1977	1	2	6	30	0
124	1977	1	2	6	45	0
125	1977	1	2	7	0	0
126	1977	1	2	7	15	0
127	1977	1	2	7	30	0
128	1977	1	2	7	45	0
129	1977	1	2	8	0	0
130	1977	1	2	8	15	0
131	1977	1	2	8	30	0
132	1977	1	2	8	45	0
133	1977	1	2	9	0	0
134	1977	1	2	9	15	0
135	1977	1	2	9	30	0
136	1977	1	2	9	45	0
137	1977	1	2	10	0	0
138	1977	1	2	10	15	0
139	1977	1	2	10	30	0
140	1977	1	2	10	45	0
141	1977	1	2	11	0	0
142	1977	1	2	11	15	0
143	1977	1	2	11	30	0
144	1977	1	2	11	45	0
145	1977	1	2	12	0	0
146	1977	1	2	12	15	0
147	1977	1	2	12	30	0
148	1977	1	2	12	45	0
149	1977	1	2	13	0	0
150	1977	1	2	13	15	0
151	1977	1	2	13	30	0
152	1977	1	2	13	45	0
153	1977	1	2	14	0	0
154	1977	1	2	14	15	0
155	1977	1	2	14	30	0
156	1977	1	2	14	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
157	1977	1	2	15	0	0
158	1977	1	2	15	15	0
159	1977	1	2	15	30	0
160	1977	1	2	15	45	0
161	1977	1	2	16	0	0
162	1977	1	2	16	15	0
163	1977	1	2	16	30	0
164	1977	1	2	16	45	0
165	1977	1	2	17	0	0
166	1977	1	2	17	15	0
167	1977	1	2	17	30	0
168	1977	1	2	17	45	0
169	1977	1	2	18	0	0
170	1977	1	2	18	15	0
171	1977	1	2	18	30	0
172	1977	1	2	18	45	0
173	1977	1	2	19	0	0
174	1977	1	2	19	15	0
175	1977	1	2	19	30	0
176	1977	1	2	19	45	0
177	1977	1	2	20	0	0
178	1977	1	2	20	15	0
179	1977	1	2	20	30	0
180	1977	1	2	20	45	0
181	1977	1	2	21	0	0
182	1977	1	2	21	15	0
183	1977	1	2	21	30	0
184	1977	1	2	21	45	0
185	1977	1	2	22	0	0
186	1977	1	2	22	15	0
187	1977	1	2	22	30	0
188	1977	1	2	22	45	0
189	1977	1	2	23	0	0
190	1977	1	2	23	15	0
191	1977	1	2	23	30	0
192	1977	1	2	23	45	0
193	1977	1	3	0	0	0
194	1977	1	3	0	15	0
195	1977	1	3	0	30	0
196	1977	1	3	0	45	0
197	1977	1	3	1	0	0
198	1977	1	3	1	15	0
199	1977	1	3	1	30	0
200	1977	1	3	1	45	0
201	1977	1	3	2	0	0
202	1977	1	3	2	15	0
203	1977	1	3	2	30	0
204	1977	1	3	2	45	0
205	1977	1	3	3	0	0
206	1977	1	3	3	15	0
207	1977	1	3	3	30	0
208	1977	1	3	3	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
209	1977	1	3	4	0	0
210	1977	1	3	4	15	0
211	1977	1	3	4	30	0
212	1977	1	3	4	45	0
213	1977	1	3	5	0	0
214	1977	1	3	5	15	0
215	1977	1	3	5	30	0
216	1977	1	3	5	45	0
217	1977	1	3	6	0	0
218	1977	1	3	6	15	0
219	1977	1	3	6	30	0
220	1977	1	3	6	45	0
221	1977	1	3	7	0	0
222	1977	1	3	7	15	0
223	1977	1	3	7	30	0
224	1977	1	3	7	45	0
225	1977	1	3	8	0	0.0025
226	1977	1	3	8	15	0.0025
227	1977	1	3	8	30	0.0025
228	1977	1	3	8	45	0.0025
229	1977	1	3	9	0	0.0025
230	1977	1	3	9	15	0.0025
231	1977	1	3	9	30	0.0025
232	1977	1	3	9	45	0.0025
233	1977	1	3	10	0	0
234	1977	1	3	10	15	0
235	1977	1	3	10	30	0
236	1977	1	3	10	45	0
237	1977	1	3	11	0	0
238	1977	1	3	11	15	0
239	1977	1	3	11	30	0
240	1977	1	3	11	45	0
241	1977	1	3	12	0	0.0025
242	1977	1	3	12	15	0.0025
243	1977	1	3	12	30	0.0025
244	1977	1	3	12	45	0.0025
245	1977	1	3	13	0	0
246	1977	1	3	13	15	0
247	1977	1	3	13	30	0
248	1977	1	3	13	45	0
249	1977	1	3	14	0	0
250	1977	1	3	14	15	0
251	1977	1	3	14	30	0
252	1977	1	3	14	45	0
253	1977	1	3	15	0	0
254	1977	1	3	15	15	0
255	1977	1	3	15	30	0
256	1977	1	3	15	45	0
257	1977	1	3	16	0	0
258	1977	1	3	16	15	0
259	1977	1	3	16	30	0
260	1977	1	3	16	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
261	1977	1	3	17	0	0
262	1977	1	3	17	15	0
263	1977	1	3	17	30	0
264	1977	1	3	17	45	0
265	1977	1	3	18	0	0
266	1977	1	3	18	15	0
267	1977	1	3	18	30	0
268	1977	1	3	18	45	0
269	1977	1	3	19	0	0
270	1977	1	3	19	15	0
271	1977	1	3	19	30	0
272	1977	1	3	19	45	0
273	1977	1	3	20	0	0
274	1977	1	3	20	15	0
275	1977	1	3	20	30	0
276	1977	1	3	20	45	0
277	1977	1	3	21	0	0
278	1977	1	3	21	15	0
279	1977	1	3	21	30	0
280	1977	1	3	21	45	0
281	1977	1	3	22	0	0
282	1977	1	3	22	15	0
283	1977	1	3	22	30	0
284	1977	1	3	22	45	0
285	1977	1	3	23	0	0
286	1977	1	3	23	15	0
287	1977	1	3	23	30	0
288	1977	1	3	23	45	0
289	1977	1	4	0	0	0
290	1977	1	4	0	15	0
291	1977	1	4	0	30	0
292	1977	1	4	0	45	0
293	1977	1	4	1	0	0
294	1977	1	4	1	15	0
295	1977	1	4	1	30	0
296	1977	1	4	1	45	0
297	1977	1	4	2	0	0
298	1977	1	4	2	15	0
299	1977	1	4	2	30	0
300	1977	1	4	2	45	0
301	1977	1	4	3	0	0
302	1977	1	4	3	15	0
303	1977	1	4	3	30	0
304	1977	1	4	3	45	0
305	1977	1	4	4	0	0
306	1977	1	4	4	15	0
307	1977	1	4	4	30	0
308	1977	1	4	4	45	0
309	1977	1	4	5	0	0
310	1977	1	4	5	15	0
311	1977	1	4	5	30	0
312	1977	1	4	5	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
313	1977	1	4	6	0	0
314	1977	1	4	6	15	0
315	1977	1	4	6	30	0
316	1977	1	4	6	45	0
317	1977	1	4	7	0	0
318	1977	1	4	7	15	0
319	1977	1	4	7	30	0
320	1977	1	4	7	45	0
321	1977	1	4	8	0	0
322	1977	1	4	8	15	0
323	1977	1	4	8	30	0
324	1977	1	4	8	45	0
325	1977	1	4	9	0	0
326	1977	1	4	9	15	0
327	1977	1	4	9	30	0
328	1977	1	4	9	45	0
329	1977	1	4	10	0	0
330	1977	1	4	10	15	0
331	1977	1	4	10	30	0
332	1977	1	4	10	45	0
333	1977	1	4	11	0	0
334	1977	1	4	11	15	0
335	1977	1	4	11	30	0
336	1977	1	4	11	45	0
337	1977	1	4	12	0	0
338	1977	1	4	12	15	0
339	1977	1	4	12	30	0
340	1977	1	4	12	45	0
341	1977	1	4	13	0	0
342	1977	1	4	13	15	0
343	1977	1	4	13	30	0
344	1977	1	4	13	45	0
345	1977	1	4	14	0	0
346	1977	1	4	14	15	0
347	1977	1	4	14	30	0
348	1977	1	4	14	45	0
349	1977	1	4	15	0	0
350	1977	1	4	15	15	0
351	1977	1	4	15	30	0
352	1977	1	4	15	45	0
353	1977	1	4	16	0	0
354	1977	1	4	16	15	0
355	1977	1	4	16	30	0
356	1977	1	4	16	45	0
357	1977	1	4	17	0	0
358	1977	1	4	17	15	0
359	1977	1	4	17	30	0
360	1977	1	4	17	45	0
361	1977	1	4	18	0	0
362	1977	1	4	18	15	0
363	1977	1	4	18	30	0
364	1977	1	4	18	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
365	1977	1	4	19	0	0
366	1977	1	4	19	15	0
367	1977	1	4	19	30	0
368	1977	1	4	19	45	0
369	1977	1	4	20	0	0
370	1977	1	4	20	15	0
371	1977	1	4	20	30	0
372	1977	1	4	20	45	0
373	1977	1	4	21	0	0
374	1977	1	4	21	15	0
375	1977	1	4	21	30	0
376	1977	1	4	21	45	0
377	1977	1	4	22	0	0
378	1977	1	4	22	15	0
379	1977	1	4	22	30	0
380	1977	1	4	22	45	0
381	1977	1	4	23	0	0
382	1977	1	4	23	15	0
383	1977	1	4	23	30	0
384	1977	1	4	23	45	0
385	1977	1	5	0	0	0
386	1977	1	5	0	15	0
387	1977	1	5	0	30	0
388	1977	1	5	0	45	0
389	1977	1	5	1	0	0
390	1977	1	5	1	15	0
391	1977	1	5	1	30	0
392	1977	1	5	1	45	0
393	1977	1	5	2	0	0
394	1977	1	5	2	15	0
395	1977	1	5	2	30	0
396	1977	1	5	2	45	0
397	1977	1	5	3	0	0
398	1977	1	5	3	15	0
399	1977	1	5	3	30	0
400	1977	1	5	3	45	0
401	1977	1	5	4	0	0
402	1977	1	5	4	15	0
403	1977	1	5	4	30	0
404	1977	1	5	4	45	0
405	1977	1	5	5	0	0
406	1977	1	5	5	15	0
407	1977	1	5	5	30	0
408	1977	1	5	5	45	0
409	1977	1	5	6	0	0
410	1977	1	5	6	15	0
411	1977	1	5	6	30	0
412	1977	1	5	6	45	0
413	1977	1	5	7	0	0
414	1977	1	5	7	15	0
415	1977	1	5	7	30	0
416	1977	1	5	7	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
417	1977	1	5	8	0	0
418	1977	1	5	8	15	0
419	1977	1	5	8	30	0
420	1977	1	5	8	45	0
421	1977	1	5	9	0	0
422	1977	1	5	9	15	0
423	1977	1	5	9	30	0
424	1977	1	5	9	45	0
425	1977	1	5	10	0	0
426	1977	1	5	10	15	0
427	1977	1	5	10	30	0
428	1977	1	5	10	45	0
429	1977	1	5	11	0	0
430	1977	1	5	11	15	0
431	1977	1	5	11	30	0
432	1977	1	5	11	45	0
433	1977	1	5	12	0	0
434	1977	1	5	12	15	0
435	1977	1	5	12	30	0
436	1977	1	5	12	45	0
437	1977	1	5	13	0	0
438	1977	1	5	13	15	0
439	1977	1	5	13	30	0
440	1977	1	5	13	45	0
441	1977	1	5	14	0	0
442	1977	1	5	14	15	0
443	1977	1	5	14	30	0
444	1977	1	5	14	45	0
445	1977	1	5	15	0	0
446	1977	1	5	15	15	0
447	1977	1	5	15	30	0
448	1977	1	5	15	45	0
449	1977	1	5	16	0	0
450	1977	1	5	16	15	0
451	1977	1	5	16	30	0
452	1977	1	5	16	45	0
453	1977	1	5	17	0	0
454	1977	1	5	17	15	0
455	1977	1	5	17	30	0
456	1977	1	5	17	45	0
457	1977	1	5	18	0	0
458	1977	1	5	18	15	0
459	1977	1	5	18	30	0
460	1977	1	5	18	45	0
461	1977	1	5	19	0	0
462	1977	1	5	19	15	0
463	1977	1	5	19	30	0
464	1977	1	5	19	45	0
465	1977	1	5	20	0	0
466	1977	1	5	20	15	0
467	1977	1	5	20	30	0
468	1977	1	5	20	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
469	1977	1	5	21	0	0
470	1977	1	5	21	15	0
471	1977	1	5	21	30	0
472	1977	1	5	21	45	0
473	1977	1	5	22	0	0
474	1977	1	5	22	15	0
475	1977	1	5	22	30	0
476	1977	1	5	22	45	0
477	1977	1	5	23	0	0
478	1977	1	5	23	15	0
479	1977	1	5	23	30	0
480	1977	1	5	23	45	0
481	1977	1	6	0	0	0
482	1977	1	6	0	15	0
483	1977	1	6	0	30	0
484	1977	1	6	0	45	0
485	1977	1	6	1	0	0
486	1977	1	6	1	15	0
487	1977	1	6	1	30	0
488	1977	1	6	1	45	0
489	1977	1	6	2	0	0
490	1977	1	6	2	15	0
491	1977	1	6	2	30	0
492	1977	1	6	2	45	0
493	1977	1	6	3	0	0
494	1977	1	6	3	15	0
495	1977	1	6	3	30	0
496	1977	1	6	3	45	0
497	1977	1	6	4	0	0
498	1977	1	6	4	15	0
499	1977	1	6	4	30	0
500	1977	1	6	4	45	0
501	1977	1	6	5	0	0
502	1977	1	6	5	15	0
503	1977	1	6	5	30	0
504	1977	1	6	5	45	0
505	1977	1	6	6	0	0
506	1977	1	6	6	15	0
507	1977	1	6	6	30	0
508	1977	1	6	6	45	0
509	1977	1	6	7	0	0
510	1977	1	6	7	15	0
511	1977	1	6	7	30	0
512	1977	1	6	7	45	0
513	1977	1	6	8	0	0
514	1977	1	6	8	15	0
515	1977	1	6	8	30	0
516	1977	1	6	8	45	0
517	1977	1	6	9	0	0
518	1977	1	6	9	15	0
519	1977	1	6	9	30	0
520	1977	1	6	9	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
521	1977	1	6	10	0	0
522	1977	1	6	10	15	0
523	1977	1	6	10	30	0
524	1977	1	6	10	45	0
525	1977	1	6	11	0	0
526	1977	1	6	11	15	0
527	1977	1	6	11	30	0
528	1977	1	6	11	45	0
529	1977	1	6	12	0	0
530	1977	1	6	12	15	0
531	1977	1	6	12	30	0
532	1977	1	6	12	45	0
533	1977	1	6	13	0	0
534	1977	1	6	13	15	0
535	1977	1	6	13	30	0
536	1977	1	6	13	45	0
537	1977	1	6	14	0	0
538	1977	1	6	14	15	0
539	1977	1	6	14	30	0
540	1977	1	6	14	45	0
541	1977	1	6	15	0	0
542	1977	1	6	15	15	0
543	1977	1	6	15	30	0
544	1977	1	6	15	45	0
545	1977	1	6	16	0	0
546	1977	1	6	16	15	0
547	1977	1	6	16	30	0
548	1977	1	6	16	45	0
549	1977	1	6	17	0	0.0025
550	1977	1	6	17	15	0.0025
551	1977	1	6	17	30	0.0025
552	1977	1	6	17	45	0.0025
553	1977	1	6	18	0	0.0025
554	1977	1	6	18	15	0.0025
555	1977	1	6	18	30	0.0025
556	1977	1	6	18	45	0.0025
557	1977	1	6	19	0	0.0025
558	1977	1	6	19	15	0.0025
559	1977	1	6	19	30	0.0025
560	1977	1	6	19	45	0.0025
561	1977	1	6	20	0	0
562	1977	1	6	20	15	0
563	1977	1	6	20	30	0
564	1977	1	6	20	45	0
565	1977	1	6	21	0	0
566	1977	1	6	21	15	0
567	1977	1	6	21	30	0
568	1977	1	6	21	45	0
569	1977	1	6	22	0	0.005
570	1977	1	6	22	15	0.005
571	1977	1	6	22	30	0.005
572	1977	1	6	22	45	0.005

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
573	1977	1	6	23	0	0
574	1977	1	6	23	15	0
575	1977	1	6	23	30	0
576	1977	1	6	23	45	0
577	1977	1	7	0	0	0
578	1977	1	7	0	15	0
579	1977	1	7	0	30	0
580	1977	1	7	0	45	0
581	1977	1	7	1	0	0.0025
582	1977	1	7	1	15	0.0025
583	1977	1	7	1	30	0.0025
584	1977	1	7	1	45	0.0025
585	1977	1	7	2	0	0.0025
586	1977	1	7	2	15	0.0025
587	1977	1	7	2	30	0.0025
588	1977	1	7	2	45	0.0025
589	1977	1	7	3	0	0.0025
590	1977	1	7	3	15	0.0025
591	1977	1	7	3	30	0.0025
592	1977	1	7	3	45	0.0025
593	1977	1	7	4	0	0.005
594	1977	1	7	4	15	0.005
595	1977	1	7	4	30	0.005
596	1977	1	7	4	45	0.005
597	1977	1	7	5	0	0.0025
598	1977	1	7	5	15	0.0025
599	1977	1	7	5	30	0.0025
600	1977	1	7	5	45	0.0025
601	1977	1	7	6	0	0.005
602	1977	1	7	6	15	0.005
603	1977	1	7	6	30	0.005
604	1977	1	7	6	45	0.005
605	1977	1	7	7	0	0
606	1977	1	7	7	15	0
607	1977	1	7	7	30	0
608	1977	1	7	7	45	0
609	1977	1	7	8	0	0
610	1977	1	7	8	15	0
611	1977	1	7	8	30	0
612	1977	1	7	8	45	0
613	1977	1	7	9	0	0.01
614	1977	1	7	9	15	0.01
615	1977	1	7	9	30	0.01
616	1977	1	7	9	45	0.01
617	1977	1	7	10	0	0.0075
618	1977	1	7	10	15	0.0075
619	1977	1	7	10	30	0.0075
620	1977	1	7	10	45	0.0075
621	1977	1	7	11	0	0
622	1977	1	7	11	15	0
623	1977	1	7	11	30	0
624	1977	1	7	11	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
625	1977	1	7	12	0	0
626	1977	1	7	12	15	0
627	1977	1	7	12	30	0
628	1977	1	7	12	45	0
629	1977	1	7	13	0	0
630	1977	1	7	13	15	0
631	1977	1	7	13	30	0
632	1977	1	7	13	45	0
633	1977	1	7	14	0	0
634	1977	1	7	14	15	0
635	1977	1	7	14	30	0
636	1977	1	7	14	45	0
637	1977	1	7	15	0	0
638	1977	1	7	15	15	0
639	1977	1	7	15	30	0
640	1977	1	7	15	45	0
641	1977	1	7	16	0	0
642	1977	1	7	16	15	0
643	1977	1	7	16	30	0
644	1977	1	7	16	45	0
645	1977	1	7	17	0	0
646	1977	1	7	17	15	0
647	1977	1	7	17	30	0
648	1977	1	7	17	45	0
649	1977	1	7	18	0	0
650	1977	1	7	18	15	0
651	1977	1	7	18	30	0
652	1977	1	7	18	45	0
653	1977	1	7	19	0	0
654	1977	1	7	19	15	0
655	1977	1	7	19	30	0
656	1977	1	7	19	45	0
657	1977	1	7	20	0	0
658	1977	1	7	20	15	0
659	1977	1	7	20	30	0
660	1977	1	7	20	45	0
661	1977	1	7	21	0	0
662	1977	1	7	21	15	0
663	1977	1	7	21	30	0
664	1977	1	7	21	45	0
665	1977	1	7	22	0	0
666	1977	1	7	22	15	0
667	1977	1	7	22	30	0
668	1977	1	7	22	45	0
669	1977	1	7	23	0	0
670	1977	1	7	23	15	0
671	1977	1	7	23	30	0
672	1977	1	7	23	45	0
673	1977	1	8	0	0	0
674	1977	1	8	0	15	0
675	1977	1	8	0	30	0
676	1977	1	8	0	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
677	1977	1	8	1	0	0
678	1977	1	8	1	15	0
679	1977	1	8	1	30	0
680	1977	1	8	1	45	0
681	1977	1	8	2	0	0
682	1977	1	8	2	15	0
683	1977	1	8	2	30	0
684	1977	1	8	2	45	0
685	1977	1	8	3	0	0
686	1977	1	8	3	15	0
687	1977	1	8	3	30	0
688	1977	1	8	3	45	0
689	1977	1	8	4	0	0
690	1977	1	8	4	15	0
691	1977	1	8	4	30	0
692	1977	1	8	4	45	0
693	1977	1	8	5	0	0
694	1977	1	8	5	15	0
695	1977	1	8	5	30	0
696	1977	1	8	5	45	0
697	1977	1	8	6	0	0
698	1977	1	8	6	15	0
699	1977	1	8	6	30	0
700	1977	1	8	6	45	0
701	1977	1	8	7	0	0
702	1977	1	8	7	15	0
703	1977	1	8	7	30	0
704	1977	1	8	7	45	0
705	1977	1	8	8	0	0
706	1977	1	8	8	15	0
707	1977	1	8	8	30	0
708	1977	1	8	8	45	0
709	1977	1	8	9	0	0
710	1977	1	8	9	15	0
711	1977	1	8	9	30	0
712	1977	1	8	9	45	0
713	1977	1	8	10	0	0
714	1977	1	8	10	15	0
715	1977	1	8	10	30	0
716	1977	1	8	10	45	0
717	1977	1	8	11	0	0
718	1977	1	8	11	15	0
719	1977	1	8	11	30	0
720	1977	1	8	11	45	0
721	1977	1	8	12	0	0
722	1977	1	8	12	15	0
723	1977	1	8	12	30	0
724	1977	1	8	12	45	0
725	1977	1	8	13	0	0
726	1977	1	8	13	15	0
727	1977	1	8	13	30	0
728	1977	1	8	13	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
729	1977	1	8	14	0	0
730	1977	1	8	14	15	0
731	1977	1	8	14	30	0
732	1977	1	8	14	45	0
733	1977	1	8	15	0	0
734	1977	1	8	15	15	0
735	1977	1	8	15	30	0
736	1977	1	8	15	45	0
737	1977	1	8	16	0	0
738	1977	1	8	16	15	0
739	1977	1	8	16	30	0
740	1977	1	8	16	45	0
741	1977	1	8	17	0	0
742	1977	1	8	17	15	0
743	1977	1	8	17	30	0
744	1977	1	8	17	45	0
745	1977	1	8	18	0	0
746	1977	1	8	18	15	0
747	1977	1	8	18	30	0
748	1977	1	8	18	45	0
749	1977	1	8	19	0	0
750	1977	1	8	19	15	0
751	1977	1	8	19	30	0
752	1977	1	8	19	45	0
753	1977	1	8	20	0	0
754	1977	1	8	20	15	0
755	1977	1	8	20	30	0
756	1977	1	8	20	45	0
757	1977	1	8	21	0	0
758	1977	1	8	21	15	0
759	1977	1	8	21	30	0
760	1977	1	8	21	45	0
761	1977	1	8	22	0	0
762	1977	1	8	22	15	0
763	1977	1	8	22	30	0
764	1977	1	8	22	45	0
765	1977	1	8	23	0	0
766	1977	1	8	23	15	0
767	1977	1	8	23	30	0
768	1977	1	8	23	45	0
769	1977	1	9	0	0	0
770	1977	1	9	0	15	0
771	1977	1	9	0	30	0
772	1977	1	9	0	45	0
773	1977	1	9	1	0	0
774	1977	1	9	1	15	0
775	1977	1	9	1	30	0
776	1977	1	9	1	45	0
777	1977	1	9	2	0	0
778	1977	1	9	2	15	0
779	1977	1	9	2	30	0
780	1977	1	9	2	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
781	1977	1	9	3	0	0
782	1977	1	9	3	15	0
783	1977	1	9	3	30	0
784	1977	1	9	3	45	0
785	1977	1	9	4	0	0
786	1977	1	9	4	15	0
787	1977	1	9	4	30	0
788	1977	1	9	4	45	0
789	1977	1	9	5	0	0
790	1977	1	9	5	15	0
791	1977	1	9	5	30	0
792	1977	1	9	5	45	0
793	1977	1	9	6	0	0.0025
794	1977	1	9	6	15	0.0025
795	1977	1	9	6	30	0.0025
796	1977	1	9	6	45	0.0025
797	1977	1	9	7	0	0
798	1977	1	9	7	15	0
799	1977	1	9	7	30	0
800	1977	1	9	7	45	0
801	1977	1	9	8	0	0
802	1977	1	9	8	15	0
803	1977	1	9	8	30	0
804	1977	1	9	8	45	0
805	1977	1	9	9	0	0
806	1977	1	9	9	15	0
807	1977	1	9	9	30	0
808	1977	1	9	9	45	0
809	1977	1	9	10	0	0.0025
810	1977	1	9	10	15	0.0025
811	1977	1	9	10	30	0.0025
812	1977	1	9	10	45	0.0025
813	1977	1	9	11	0	0.0025
814	1977	1	9	11	15	0.0025
815	1977	1	9	11	30	0.0025
816	1977	1	9	11	45	0.0025
817	1977	1	9	12	0	0
818	1977	1	9	12	15	0
819	1977	1	9	12	30	0
820	1977	1	9	12	45	0
821	1977	1	9	13	0	0
822	1977	1	9	13	15	0
823	1977	1	9	13	30	0
824	1977	1	9	13	45	0
825	1977	1	9	14	0	0
826	1977	1	9	14	15	0
827	1977	1	9	14	30	0
828	1977	1	9	14	45	0
829	1977	1	9	15	0	0
830	1977	1	9	15	15	0
831	1977	1	9	15	30	0
832	1977	1	9	15	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
833	1977	1	9	16	0	0
834	1977	1	9	16	15	0
835	1977	1	9	16	30	0
836	1977	1	9	16	45	0
837	1977	1	9	17	0	0.0025
838	1977	1	9	17	15	0.0025
839	1977	1	9	17	30	0.0025
840	1977	1	9	17	45	0.0025
841	1977	1	9	18	0	0.005
842	1977	1	9	18	15	0.005
843	1977	1	9	18	30	0.005
844	1977	1	9	18	45	0.005
845	1977	1	9	19	0	0.0025
846	1977	1	9	19	15	0.0025
847	1977	1	9	19	30	0.0025
848	1977	1	9	19	45	0.0025
849	1977	1	9	20	0	0.0025
850	1977	1	9	20	15	0.0025
851	1977	1	9	20	30	0.0025
852	1977	1	9	20	45	0.0025
853	1977	1	9	21	0	0.005
854	1977	1	9	21	15	0.005
855	1977	1	9	21	30	0.005
856	1977	1	9	21	45	0.005
857	1977	1	9	22	0	0.0025
858	1977	1	9	22	15	0.0025
859	1977	1	9	22	30	0.0025
860	1977	1	9	22	45	0.0025
861	1977	1	9	23	0	0.005
862	1977	1	9	23	15	0.005
863	1977	1	9	23	30	0.005
864	1977	1	9	23	45	0.005
865	1977	1	10	0	0	0
866	1977	1	10	0	15	0
867	1977	1	10	0	30	0
868	1977	1	10	0	45	0
869	1977	1	10	1	0	0.0075
870	1977	1	10	1	15	0.0075
871	1977	1	10	1	30	0.0075
872	1977	1	10	1	45	0.0075
873	1977	1	10	2	0	0.005
874	1977	1	10	2	15	0.005
875	1977	1	10	2	30	0.005
876	1977	1	10	2	45	0.005
877	1977	1	10	3	0	0.0025
878	1977	1	10	3	15	0.0025
879	1977	1	10	3	30	0.0025
880	1977	1	10	3	45	0.0025
881	1977	1	10	4	0	0.0025
882	1977	1	10	4	15	0.0025
883	1977	1	10	4	30	0.0025
884	1977	1	10	4	45	0.0025

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
885	1977	1	10	5	0	0.0025
886	1977	1	10	5	15	0.0025
887	1977	1	10	5	30	0.0025
888	1977	1	10	5	45	0.0025
889	1977	1	10	6	0	0.005
890	1977	1	10	6	15	0.005
891	1977	1	10	6	30	0.005
892	1977	1	10	6	45	0.005
893	1977	1	10	7	0	0.0025
894	1977	1	10	7	15	0.0025
895	1977	1	10	7	30	0.0025
896	1977	1	10	7	45	0.0025
897	1977	1	10	8	0	0.0025
898	1977	1	10	8	15	0.0025
899	1977	1	10	8	30	0.0025
900	1977	1	10	8	45	0.0025
901	1977	1	10	9	0	0.0025
902	1977	1	10	9	15	0.0025
903	1977	1	10	9	30	0.0025
904	1977	1	10	9	45	0.0025
905	1977	1	10	10	0	0.0025
906	1977	1	10	10	15	0.0025
907	1977	1	10	10	30	0.0025
908	1977	1	10	10	45	0.0025
909	1977	1	10	11	0	0.0025
910	1977	1	10	11	15	0.0025
911	1977	1	10	11	30	0.0025
912	1977	1	10	11	45	0.0025
913	1977	1	10	12	0	0
914	1977	1	10	12	15	0
915	1977	1	10	12	30	0
916	1977	1	10	12	45	0
917	1977	1	10	13	0	0
918	1977	1	10	13	15	0
919	1977	1	10	13	30	0
920	1977	1	10	13	45	0
921	1977	1	10	14	0	0
922	1977	1	10	14	15	0
923	1977	1	10	14	30	0
924	1977	1	10	14	45	0
925	1977	1	10	15	0	0
926	1977	1	10	15	15	0
927	1977	1	10	15	30	0
928	1977	1	10	15	45	0
929	1977	1	10	16	0	0.0025
930	1977	1	10	16	15	0.0025
931	1977	1	10	16	30	0.0025
932	1977	1	10	16	45	0.0025
933	1977	1	10	17	0	0.0025
934	1977	1	10	17	15	0.0025
935	1977	1	10	17	30	0.0025
936	1977	1	10	17	45	0.0025

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
937	1977	1	10	18	0	0.0025
938	1977	1	10	18	15	0.0025
939	1977	1	10	18	30	0.0025
940	1977	1	10	18	45	0.0025
941	1977	1	10	19	0	0.0025
942	1977	1	10	19	15	0.0025
943	1977	1	10	19	30	0.0025
944	1977	1	10	19	45	0.0025
945	1977	1	10	20	0	0
946	1977	1	10	20	15	0
947	1977	1	10	20	30	0
948	1977	1	10	20	45	0
949	1977	1	10	21	0	0
950	1977	1	10	21	15	0
951	1977	1	10	21	30	0
952	1977	1	10	21	45	0
953	1977	1	10	22	0	0
954	1977	1	10	22	15	0
955	1977	1	10	22	30	0
956	1977	1	10	22	45	0
957	1977	1	10	23	0	0
958	1977	1	10	23	15	0
959	1977	1	10	23	30	0
960	1977	1	10	23	45	0
961	1977	1	11	0	0	0
962	1977	1	11	0	15	0
963	1977	1	11	0	30	0
964	1977	1	11	0	45	0
965	1977	1	11	1	0	0
966	1977	1	11	1	15	0
967	1977	1	11	1	30	0
968	1977	1	11	1	45	0
969	1977	1	11	2	0	0
970	1977	1	11	2	15	0
971	1977	1	11	2	30	0
972	1977	1	11	2	45	0
973	1977	1	11	3	0	0
974	1977	1	11	3	15	0
975	1977	1	11	3	30	0
976	1977	1	11	3	45	0
977	1977	1	11	4	0	0
978	1977	1	11	4	15	0
979	1977	1	11	4	30	0
980	1977	1	11	4	45	0
981	1977	1	11	5	0	0.0025
982	1977	1	11	5	15	0.0025
983	1977	1	11	5	30	0.0025
984	1977	1	11	5	45	0.0025
985	1977	1	11	6	0	0
986	1977	1	11	6	15	0
987	1977	1	11	6	30	0
988	1977	1	11	6	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
989	1977	1	11	7	0	0
990	1977	1	11	7	15	0
991	1977	1	11	7	30	0
992	1977	1	11	7	45	0
993	1977	1	11	8	0	0
994	1977	1	11	8	15	0
995	1977	1	11	8	30	0
996	1977	1	11	8	45	0
997	1977	1	11	9	0	0
998	1977	1	11	9	15	0
999	1977	1	11	9	30	0
1,000	1977	1	11	9	45	0
1,001	1977	1	11	10	0	0
1,002	1977	1	11	10	15	0
1,003	1977	1	11	10	30	0
1,004	1977	1	11	10	45	0
1,005	1977	1	11	11	0	0
1,006	1977	1	11	11	15	0
1,007	1977	1	11	11	30	0
1,008	1977	1	11	11	45	0
1,009	1977	1	11	12	0	0
1,010	1977	1	11	12	15	0
1,011	1977	1	11	12	30	0
1,012	1977	1	11	12	45	0
1,013	1977	1	11	13	0	0
1,014	1977	1	11	13	15	0
1,015	1977	1	11	13	30	0
1,016	1977	1	11	13	45	0
1,017	1977	1	11	14	0	0
1,018	1977	1	11	14	15	0
1,019	1977	1	11	14	30	0
1,020	1977	1	11	14	45	0
1,021	1977	1	11	15	0	0
1,022	1977	1	11	15	15	0
1,023	1977	1	11	15	30	0
1,024	1977	1	11	15	45	0
1,025	1977	1	11	16	0	0
1,026	1977	1	11	16	15	0
1,027	1977	1	11	16	30	0
1,028	1977	1	11	16	45	0
1,029	1977	1	11	17	0	0
1,030	1977	1	11	17	15	0
1,031	1977	1	11	17	30	0
1,032	1977	1	11	17	45	0
1,033	1977	1	11	18	0	0
1,034	1977	1	11	18	15	0
1,035	1977	1	11	18	30	0
1,036	1977	1	11	18	45	0
1,037	1977	1	11	19	0	0
1,038	1977	1	11	19	15	0
1,039	1977	1	11	19	30	0
1,040	1977	1	11	19	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
1,041	1977	1	11	20	0	0
1,042	1977	1	11	20	15	0
1,043	1977	1	11	20	30	0
1,044	1977	1	11	20	45	0
1,045	1977	1	11	21	0	0
1,046	1977	1	11	21	15	0
1,047	1977	1	11	21	30	0
1,048	1977	1	11	21	45	0
1,049	1977	1	11	22	0	0
1,050	1977	1	11	22	15	0
1,051	1977	1	11	22	30	0
1,052	1977	1	11	22	45	0
1,053	1977	1	11	23	0	0
1,054	1977	1	11	23	15	0
1,055	1977	1	11	23	30	0
1,056	1977	1	11	23	45	0
1,057	1977	1	12	0	0	0
1,058	1977	1	12	0	15	0
1,059	1977	1	12	0	30	0
1,060	1977	1	12	0	45	0
1,061	1977	1	12	1	0	0
1,062	1977	1	12	1	15	0
1,063	1977	1	12	1	30	0
1,064	1977	1	12	1	45	0
1,065	1977	1	12	2	0	0.0025
1,066	1977	1	12	2	15	0.0025
1,067	1977	1	12	2	30	0.0025
1,068	1977	1	12	2	45	0.0025
1,069	1977	1	12	3	0	0
1,070	1977	1	12	3	15	0
1,071	1977	1	12	3	30	0
1,072	1977	1	12	3	45	0
1,073	1977	1	12	4	0	0
1,074	1977	1	12	4	15	0
1,075	1977	1	12	4	30	0
1,076	1977	1	12	4	45	0
1,077	1977	1	12	5	0	0.0025
1,078	1977	1	12	5	15	0.0025
1,079	1977	1	12	5	30	0.0025
1,080	1977	1	12	5	45	0.0025
1,081	1977	1	12	6	0	0
1,082	1977	1	12	6	15	0
1,083	1977	1	12	6	30	0
1,084	1977	1	12	6	45	0
1,085	1977	1	12	7	0	0
1,086	1977	1	12	7	15	0
1,087	1977	1	12	7	30	0
1,088	1977	1	12	7	45	0
1,089	1977	1	12	8	0	0
1,090	1977	1	12	8	15	0
1,091	1977	1	12	8	30	0
1,092	1977	1	12	8	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
1,093	1977	1	12	9	0	0
1,094	1977	1	12	9	15	0
1,095	1977	1	12	9	30	0
1,096	1977	1	12	9	45	0
1,097	1977	1	12	10	0	0
1,098	1977	1	12	10	15	0
1,099	1977	1	12	10	30	0
1,100	1977	1	12	10	45	0
1,101	1977	1	12	11	0	0
1,102	1977	1	12	11	15	0
1,103	1977	1	12	11	30	0
1,104	1977	1	12	11	45	0
1,105	1977	1	12	12	0	0
1,106	1977	1	12	12	15	0
1,107	1977	1	12	12	30	0
1,108	1977	1	12	12	45	0
1,109	1977	1	12	13	0	0
1,110	1977	1	12	13	15	0
1,111	1977	1	12	13	30	0
1,112	1977	1	12	13	45	0
1,113	1977	1	12	14	0	0
1,114	1977	1	12	14	15	0
1,115	1977	1	12	14	30	0
1,116	1977	1	12	14	45	0
1,117	1977	1	12	15	0	0
1,118	1977	1	12	15	15	0
1,119	1977	1	12	15	30	0
1,120	1977	1	12	15	45	0
1,121	1977	1	12	16	0	0
1,122	1977	1	12	16	15	0
1,123	1977	1	12	16	30	0
1,124	1977	1	12	16	45	0
1,125	1977	1	12	17	0	0
1,126	1977	1	12	17	15	0
1,127	1977	1	12	17	30	0
1,128	1977	1	12	17	45	0
1,129	1977	1	12	18	0	0
1,130	1977	1	12	18	15	0
1,131	1977	1	12	18	30	0
1,132	1977	1	12	18	45	0
1,133	1977	1	12	19	0	0
1,134	1977	1	12	19	15	0
1,135	1977	1	12	19	30	0
1,136	1977	1	12	19	45	0
1,137	1977	1	12	20	0	0
1,138	1977	1	12	20	15	0
1,139	1977	1	12	20	30	0
1,140	1977	1	12	20	45	0
1,141	1977	1	12	21	0	0
1,142	1977	1	12	21	15	0
1,143	1977	1	12	21	30	0
1,144	1977	1	12	21	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
1,145	1977	1	12	22	0	0
1,146	1977	1	12	22	15	0
1,147	1977	1	12	22	30	0
1,148	1977	1	12	22	45	0
1,149	1977	1	12	23	0	0
1,150	1977	1	12	23	15	0
1,151	1977	1	12	23	30	0
1,152	1977	1	12	23	45	0
1,153	1977	1	13	0	0	0
1,154	1977	1	13	0	15	0
1,155	1977	1	13	0	30	0
1,156	1977	1	13	0	45	0
1,157	1977	1	13	1	0	0
1,158	1977	1	13	1	15	0
1,159	1977	1	13	1	30	0
1,160	1977	1	13	1	45	0
1,161	1977	1	13	2	0	0
1,162	1977	1	13	2	15	0
1,163	1977	1	13	2	30	0
1,164	1977	1	13	2	45	0
1,165	1977	1	13	3	0	0
1,166	1977	1	13	3	15	0
1,167	1977	1	13	3	30	0
1,168	1977	1	13	3	45	0
1,169	1977	1	13	4	0	0
1,170	1977	1	13	4	15	0
1,171	1977	1	13	4	30	0
1,172	1977	1	13	4	45	0
1,173	1977	1	13	5	0	0
1,174	1977	1	13	5	15	0
1,175	1977	1	13	5	30	0
1,176	1977	1	13	5	45	0
1,177	1977	1	13	6	0	0
1,178	1977	1	13	6	15	0
1,179	1977	1	13	6	30	0
1,180	1977	1	13	6	45	0
1,181	1977	1	13	7	0	0
1,182	1977	1	13	7	15	0
1,183	1977	1	13	7	30	0
1,184	1977	1	13	7	45	0
1,185	1977	1	13	8	0	0
1,186	1977	1	13	8	15	0
1,187	1977	1	13	8	30	0
1,188	1977	1	13	8	45	0
1,189	1977	1	13	9	0	0
1,190	1977	1	13	9	15	0
1,191	1977	1	13	9	30	0
1,192	1977	1	13	9	45	0
1,193	1977	1	13	10	0	0
1,194	1977	1	13	10	15	0
1,195	1977	1	13	10	30	0
1,196	1977	1	13	10	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
1,197	1977	1	13	11	0	0
1,198	1977	1	13	11	15	0
1,199	1977	1	13	11	30	0
1,200	1977	1	13	11	45	0
1,201	1977	1	13	12	0	0
1,202	1977	1	13	12	15	0
1,203	1977	1	13	12	30	0
1,204	1977	1	13	12	45	0
1,205	1977	1	13	13	0	0
1,206	1977	1	13	13	15	0
1,207	1977	1	13	13	30	0
1,208	1977	1	13	13	45	0
1,209	1977	1	13	14	0	0
1,210	1977	1	13	14	15	0
1,211	1977	1	13	14	30	0
1,212	1977	1	13	14	45	0
1,213	1977	1	13	15	0	0
1,214	1977	1	13	15	15	0
1,215	1977	1	13	15	30	0
1,216	1977	1	13	15	45	0
1,217	1977	1	13	16	0	0
1,218	1977	1	13	16	15	0
1,219	1977	1	13	16	30	0
1,220	1977	1	13	16	45	0
1,221	1977	1	13	17	0	0
1,222	1977	1	13	17	15	0
1,223	1977	1	13	17	30	0
1,224	1977	1	13	17	45	0
1,225	1977	1	13	18	0	0
1,226	1977	1	13	18	15	0
1,227	1977	1	13	18	30	0
1,228	1977	1	13	18	45	0
1,229	1977	1	13	19	0	0
1,230	1977	1	13	19	15	0
1,231	1977	1	13	19	30	0
1,232	1977	1	13	19	45	0
1,233	1977	1	13	20	0	0.005
1,234	1977	1	13	20	15	0.005
1,235	1977	1	13	20	30	0.005
1,236	1977	1	13	20	45	0.005
1,237	1977	1	13	21	0	0.005
1,238	1977	1	13	21	15	0.005
1,239	1977	1	13	21	30	0.005
1,240	1977	1	13	21	45	0.005
1,241	1977	1	13	22	0	0.005
1,242	1977	1	13	22	15	0.005
1,243	1977	1	13	22	30	0.005
1,244	1977	1	13	22	45	0.005
1,245	1977	1	13	23	0	0.005
1,246	1977	1	13	23	15	0.005
1,247	1977	1	13	23	30	0.005
1,248	1977	1	13	23	45	0.005

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
1,249	1977	1	14	0	0	0.005
1,250	1977	1	14	0	15	0.005
1,251	1977	1	14	0	30	0.005
1,252	1977	1	14	0	45	0.005
1,253	1977	1	14	1	0	0.0025
1,254	1977	1	14	1	15	0.0025
1,255	1977	1	14	1	30	0.0025
1,256	1977	1	14	1	45	0.0025
1,257	1977	1	14	2	0	0
1,258	1977	1	14	2	15	0
1,259	1977	1	14	2	30	0
1,260	1977	1	14	2	45	0
1,261	1977	1	14	3	0	0
1,262	1977	1	14	3	15	0
1,263	1977	1	14	3	30	0
1,264	1977	1	14	3	45	0
1,265	1977	1	14	4	0	0
1,266	1977	1	14	4	15	0
1,267	1977	1	14	4	30	0
1,268	1977	1	14	4	45	0
1,269	1977	1	14	5	0	0
1,270	1977	1	14	5	15	0
1,271	1977	1	14	5	30	0
1,272	1977	1	14	5	45	0
1,273	1977	1	14	6	0	0
1,274	1977	1	14	6	15	0
1,275	1977	1	14	6	30	0
1,276	1977	1	14	6	45	0
1,277	1977	1	14	7	0	0
1,278	1977	1	14	7	15	0
1,279	1977	1	14	7	30	0
1,280	1977	1	14	7	45	0
1,281	1977	1	14	8	0	0
1,282	1977	1	14	8	15	0
1,283	1977	1	14	8	30	0
1,284	1977	1	14	8	45	0
1,285	1977	1	14	9	0	0
1,286	1977	1	14	9	15	0
1,287	1977	1	14	9	30	0
1,288	1977	1	14	9	45	0
1,289	1977	1	14	10	0	0
1,290	1977	1	14	10	15	0
1,291	1977	1	14	10	30	0
1,292	1977	1	14	10	45	0
1,293	1977	1	14	11	0	0
1,294	1977	1	14	11	15	0
1,295	1977	1	14	11	30	0
1,296	1977	1	14	11	45	0
1,297	1977	1	14	12	0	0
1,298	1977	1	14	12	15	0
1,299	1977	1	14	12	30	0
1,300	1977	1	14	12	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
1,301	1977	1	14	13	0	0
1,302	1977	1	14	13	15	0
1,303	1977	1	14	13	30	0
1,304	1977	1	14	13	45	0
1,305	1977	1	14	14	0	0
1,306	1977	1	14	14	15	0
1,307	1977	1	14	14	30	0
1,308	1977	1	14	14	45	0
1,309	1977	1	14	15	0	0
1,310	1977	1	14	15	15	0
1,311	1977	1	14	15	30	0
1,312	1977	1	14	15	45	0
1,313	1977	1	14	16	0	0.0025
1,314	1977	1	14	16	15	0.0025
1,315	1977	1	14	16	30	0.0025
1,316	1977	1	14	16	45	0.0025
1,317	1977	1	14	17	0	0
1,318	1977	1	14	17	15	0
1,319	1977	1	14	17	30	0
1,320	1977	1	14	17	45	0
1,321	1977	1	14	18	0	0
1,322	1977	1	14	18	15	0
1,323	1977	1	14	18	30	0
1,324	1977	1	14	18	45	0
1,325	1977	1	14	19	0	0
1,326	1977	1	14	19	15	0
1,327	1977	1	14	19	30	0
1,328	1977	1	14	19	45	0
1,329	1977	1	14	20	0	0
1,330	1977	1	14	20	15	0
1,331	1977	1	14	20	30	0
1,332	1977	1	14	20	45	0
1,333	1977	1	14	21	0	0
1,334	1977	1	14	21	15	0
1,335	1977	1	14	21	30	0
1,336	1977	1	14	21	45	0
1,337	1977	1	14	22	0	0
1,338	1977	1	14	22	15	0
1,339	1977	1	14	22	30	0
1,340	1977	1	14	22	45	0
1,341	1977	1	14	23	0	0
1,342	1977	1	14	23	15	0
1,343	1977	1	14	23	30	0
1,344	1977	1	14	23	45	0
1,345	1977	1	15	0	0	0
1,346	1977	1	15	0	15	0
1,347	1977	1	15	0	30	0
1,348	1977	1	15	0	45	0
1,349	1977	1	15	1	0	0
1,350	1977	1	15	1	15	0
1,351	1977	1	15	1	30	0
1,352	1977	1	15	1	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
1,353	1977	1	15	2	0	0
1,354	1977	1	15	2	15	0
1,355	1977	1	15	2	30	0
1,356	1977	1	15	2	45	0
1,357	1977	1	15	3	0	0
1,358	1977	1	15	3	15	0
1,359	1977	1	15	3	30	0
1,360	1977	1	15	3	45	0
1,361	1977	1	15	4	0	0
1,362	1977	1	15	4	15	0
1,363	1977	1	15	4	30	0
1,364	1977	1	15	4	45	0
1,365	1977	1	15	5	0	0
1,366	1977	1	15	5	15	0
1,367	1977	1	15	5	30	0
1,368	1977	1	15	5	45	0
1,369	1977	1	15	6	0	0
1,370	1977	1	15	6	15	0
1,371	1977	1	15	6	30	0
1,372	1977	1	15	6	45	0
1,373	1977	1	15	7	0	0
1,374	1977	1	15	7	15	0
1,375	1977	1	15	7	30	0
1,376	1977	1	15	7	45	0
1,377	1977	1	15	8	0	0
1,378	1977	1	15	8	15	0
1,379	1977	1	15	8	30	0
1,380	1977	1	15	8	45	0
1,381	1977	1	15	9	0	0
1,382	1977	1	15	9	15	0
1,383	1977	1	15	9	30	0
1,384	1977	1	15	9	45	0
1,385	1977	1	15	10	0	0
1,386	1977	1	15	10	15	0
1,387	1977	1	15	10	30	0
1,388	1977	1	15	10	45	0
1,389	1977	1	15	11	0	0
1,390	1977	1	15	11	15	0
1,391	1977	1	15	11	30	0
1,392	1977	1	15	11	45	0
1,393	1977	1	15	12	0	0
1,394	1977	1	15	12	15	0
1,395	1977	1	15	12	30	0
1,396	1977	1	15	12	45	0
1,397	1977	1	15	13	0	0
1,398	1977	1	15	13	15	0
1,399	1977	1	15	13	30	0
1,400	1977	1	15	13	45	0
1,401	1977	1	15	14	0	0
1,402	1977	1	15	14	15	0
1,403	1977	1	15	14	30	0
1,404	1977	1	15	14	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
1,405	1977	1	15	15	0	0
1,406	1977	1	15	15	15	0
1,407	1977	1	15	15	30	0
1,408	1977	1	15	15	45	0
1,409	1977	1	15	16	0	0
1,410	1977	1	15	16	15	0
1,411	1977	1	15	16	30	0
1,412	1977	1	15	16	45	0
1,413	1977	1	15	17	0	0.0025
1,414	1977	1	15	17	15	0.0025
1,415	1977	1	15	17	30	0.0025
1,416	1977	1	15	17	45	0.0025
1,417	1977	1	15	18	0	0.0025
1,418	1977	1	15	18	15	0.0025
1,419	1977	1	15	18	30	0.0025
1,420	1977	1	15	18	45	0.0025
1,421	1977	1	15	19	0	0.0025
1,422	1977	1	15	19	15	0.0025
1,423	1977	1	15	19	30	0.0025
1,424	1977	1	15	19	45	0.0025
1,425	1977	1	15	20	0	0.0025
1,426	1977	1	15	20	15	0.0025
1,427	1977	1	15	20	30	0.0025
1,428	1977	1	15	20	45	0.0025
1,429	1977	1	15	21	0	0
1,430	1977	1	15	21	15	0
1,431	1977	1	15	21	30	0
1,432	1977	1	15	21	45	0
1,433	1977	1	15	22	0	0
1,434	1977	1	15	22	15	0
1,435	1977	1	15	22	30	0
1,436	1977	1	15	22	45	0
1,437	1977	1	15	23	0	0
1,438	1977	1	15	23	15	0
1,439	1977	1	15	23	30	0
1,440	1977	1	15	23	45	0
1,441	1977	1	16	0	0	0
1,442	1977	1	16	0	15	0
1,443	1977	1	16	0	30	0
1,444	1977	1	16	0	45	0
1,445	1977	1	16	1	0	0
1,446	1977	1	16	1	15	0
1,447	1977	1	16	1	30	0
1,448	1977	1	16	1	45	0
1,449	1977	1	16	2	0	0
1,450	1977	1	16	2	15	0
1,451	1977	1	16	2	30	0
1,452	1977	1	16	2	45	0
1,453	1977	1	16	3	0	0
1,454	1977	1	16	3	15	0
1,455	1977	1	16	3	30	0
1,456	1977	1	16	3	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
1,457	1977	1	16	4	0	0
1,458	1977	1	16	4	15	0
1,459	1977	1	16	4	30	0
1,460	1977	1	16	4	45	0
1,461	1977	1	16	5	0	0
1,462	1977	1	16	5	15	0
1,463	1977	1	16	5	30	0
1,464	1977	1	16	5	45	0
1,465	1977	1	16	6	0	0
1,466	1977	1	16	6	15	0
1,467	1977	1	16	6	30	0
1,468	1977	1	16	6	45	0
1,469	1977	1	16	7	0	0
1,470	1977	1	16	7	15	0
1,471	1977	1	16	7	30	0
1,472	1977	1	16	7	45	0
1,473	1977	1	16	8	0	0
1,474	1977	1	16	8	15	0
1,475	1977	1	16	8	30	0
1,476	1977	1	16	8	45	0
1,477	1977	1	16	9	0	0
1,478	1977	1	16	9	15	0
1,479	1977	1	16	9	30	0
1,480	1977	1	16	9	45	0
1,481	1977	1	16	10	0	0
1,482	1977	1	16	10	15	0
1,483	1977	1	16	10	30	0
1,484	1977	1	16	10	45	0
1,485	1977	1	16	11	0	0
1,486	1977	1	16	11	15	0
1,487	1977	1	16	11	30	0
1,488	1977	1	16	11	45	0
1,489	1977	1	16	12	0	0.0775
1,490	1977	1	16	12	15	0.0775
1,491	1977	1	16	12	30	0.0775
1,492	1977	1	16	12	45	0.0775
1,493	1977	1	16	13	0	0
1,494	1977	1	16	13	15	0
1,495	1977	1	16	13	30	0
1,496	1977	1	16	13	45	0
1,497	1977	1	16	14	0	0
1,498	1977	1	16	14	15	0
1,499	1977	1	16	14	30	0
1,500	1977	1	16	14	45	0
1,501	1977	1	16	15	0	0
1,502	1977	1	16	15	15	0
1,503	1977	1	16	15	30	0
1,504	1977	1	16	15	45	0
1,505	1977	1	16	16	0	0
1,506	1977	1	16	16	15	0
1,507	1977	1	16	16	30	0
1,508	1977	1	16	16	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
1,509	1977	1	16	17	0	0
1,510	1977	1	16	17	15	0
1,511	1977	1	16	17	30	0
1,512	1977	1	16	17	45	0
1,513	1977	1	16	18	0	0
1,514	1977	1	16	18	15	0
1,515	1977	1	16	18	30	0
1,516	1977	1	16	18	45	0
1,517	1977	1	16	19	0	0
1,518	1977	1	16	19	15	0
1,519	1977	1	16	19	30	0
1,520	1977	1	16	19	45	0
1,521	1977	1	16	20	0	0
1,522	1977	1	16	20	15	0
1,523	1977	1	16	20	30	0
1,524	1977	1	16	20	45	0
1,525	1977	1	16	21	0	0
1,526	1977	1	16	21	15	0
1,527	1977	1	16	21	30	0
1,528	1977	1	16	21	45	0
1,529	1977	1	16	22	0	0
1,530	1977	1	16	22	15	0
1,531	1977	1	16	22	30	0
1,532	1977	1	16	22	45	0
1,533	1977	1	16	23	0	0
1,534	1977	1	16	23	15	0
1,535	1977	1	16	23	30	0
1,536	1977	1	16	23	45	0
1,537	1977	1	17	0	0	0
1,538	1977	1	17	0	15	0
1,539	1977	1	17	0	30	0
1,540	1977	1	17	0	45	0
1,541	1977	1	17	1	0	0
1,542	1977	1	17	1	15	0
1,543	1977	1	17	1	30	0
1,544	1977	1	17	1	45	0
1,545	1977	1	17	2	0	0
1,546	1977	1	17	2	15	0
1,547	1977	1	17	2	30	0
1,548	1977	1	17	2	45	0
1,549	1977	1	17	3	0	0
1,550	1977	1	17	3	15	0
1,551	1977	1	17	3	30	0
1,552	1977	1	17	3	45	0
1,553	1977	1	17	4	0	0
1,554	1977	1	17	4	15	0
1,555	1977	1	17	4	30	0
1,556	1977	1	17	4	45	0
1,557	1977	1	17	5	0	0
1,558	1977	1	17	5	15	0
1,559	1977	1	17	5	30	0
1,560	1977	1	17	5	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
1,561	1977	1	17	6	0	0
1,562	1977	1	17	6	15	0
1,563	1977	1	17	6	30	0
1,564	1977	1	17	6	45	0
1,565	1977	1	17	7	0	0
1,566	1977	1	17	7	15	0
1,567	1977	1	17	7	30	0
1,568	1977	1	17	7	45	0
1,569	1977	1	17	8	0	0
1,570	1977	1	17	8	15	0
1,571	1977	1	17	8	30	0
1,572	1977	1	17	8	45	0
1,573	1977	1	17	9	0	0
1,574	1977	1	17	9	15	0
1,575	1977	1	17	9	30	0
1,576	1977	1	17	9	45	0
1,577	1977	1	17	10	0	0
1,578	1977	1	17	10	15	0
1,579	1977	1	17	10	30	0
1,580	1977	1	17	10	45	0
1,581	1977	1	17	11	0	0
1,582	1977	1	17	11	15	0
1,583	1977	1	17	11	30	0
1,584	1977	1	17	11	45	0
1,585	1977	1	17	12	0	0
1,586	1977	1	17	12	15	0
1,587	1977	1	17	12	30	0
1,588	1977	1	17	12	45	0
1,589	1977	1	17	13	0	0
1,590	1977	1	17	13	15	0
1,591	1977	1	17	13	30	0
1,592	1977	1	17	13	45	0
1,593	1977	1	17	14	0	0
1,594	1977	1	17	14	15	0
1,595	1977	1	17	14	30	0
1,596	1977	1	17	14	45	0
1,597	1977	1	17	15	0	0
1,598	1977	1	17	15	15	0
1,599	1977	1	17	15	30	0
1,600	1977	1	17	15	45	0
1,601	1977	1	17	16	0	0
1,602	1977	1	17	16	15	0
1,603	1977	1	17	16	30	0
1,604	1977	1	17	16	45	0
1,605	1977	1	17	17	0	0.0025
1,606	1977	1	17	17	15	0.0025
1,607	1977	1	17	17	30	0.0025
1,608	1977	1	17	17	45	0.0025
1,609	1977	1	17	18	0	0
1,610	1977	1	17	18	15	0
1,611	1977	1	17	18	30	0
1,612	1977	1	17	18	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
1,613	1977	1	17	19	0	0
1,614	1977	1	17	19	15	0
1,615	1977	1	17	19	30	0
1,616	1977	1	17	19	45	0
1,617	1977	1	17	20	0	0
1,618	1977	1	17	20	15	0
1,619	1977	1	17	20	30	0
1,620	1977	1	17	20	45	0
1,621	1977	1	17	21	0	0
1,622	1977	1	17	21	15	0
1,623	1977	1	17	21	30	0
1,624	1977	1	17	21	45	0
1,625	1977	1	17	22	0	0
1,626	1977	1	17	22	15	0
1,627	1977	1	17	22	30	0
1,628	1977	1	17	22	45	0
1,629	1977	1	17	23	0	0
1,630	1977	1	17	23	15	0
1,631	1977	1	17	23	30	0
1,632	1977	1	17	23	45	0
1,633	1977	1	18	0	0	0
1,634	1977	1	18	0	15	0
1,635	1977	1	18	0	30	0
1,636	1977	1	18	0	45	0
1,637	1977	1	18	1	0	0
1,638	1977	1	18	1	15	0
1,639	1977	1	18	1	30	0
1,640	1977	1	18	1	45	0
1,641	1977	1	18	2	0	0
1,642	1977	1	18	2	15	0
1,643	1977	1	18	2	30	0
1,644	1977	1	18	2	45	0
1,645	1977	1	18	3	0	0
1,646	1977	1	18	3	15	0
1,647	1977	1	18	3	30	0
1,648	1977	1	18	3	45	0
1,649	1977	1	18	4	0	0
1,650	1977	1	18	4	15	0
1,651	1977	1	18	4	30	0
1,652	1977	1	18	4	45	0
1,653	1977	1	18	5	0	0.0025
1,654	1977	1	18	5	15	0.0025
1,655	1977	1	18	5	30	0.0025
1,656	1977	1	18	5	45	0.0025
1,657	1977	1	18	6	0	0
1,658	1977	1	18	6	15	0
1,659	1977	1	18	6	30	0
1,660	1977	1	18	6	45	0
1,661	1977	1	18	7	0	0
1,662	1977	1	18	7	15	0
1,663	1977	1	18	7	30	0
1,664	1977	1	18	7	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
1,665	1977	1	18	8	0	0
1,666	1977	1	18	8	15	0
1,667	1977	1	18	8	30	0
1,668	1977	1	18	8	45	0
1,669	1977	1	18	9	0	0
1,670	1977	1	18	9	15	0
1,671	1977	1	18	9	30	0
1,672	1977	1	18	9	45	0
1,673	1977	1	18	10	0	0
1,674	1977	1	18	10	15	0
1,675	1977	1	18	10	30	0
1,676	1977	1	18	10	45	0
1,677	1977	1	18	11	0	0
1,678	1977	1	18	11	15	0
1,679	1977	1	18	11	30	0
1,680	1977	1	18	11	45	0
1,681	1977	1	18	12	0	0
1,682	1977	1	18	12	15	0
1,683	1977	1	18	12	30	0
1,684	1977	1	18	12	45	0
1,685	1977	1	18	13	0	0
1,686	1977	1	18	13	15	0
1,687	1977	1	18	13	30	0
1,688	1977	1	18	13	45	0
1,689	1977	1	18	14	0	0
1,690	1977	1	18	14	15	0
1,691	1977	1	18	14	30	0
1,692	1977	1	18	14	45	0
1,693	1977	1	18	15	0	0
1,694	1977	1	18	15	15	0
1,695	1977	1	18	15	30	0
1,696	1977	1	18	15	45	0
1,697	1977	1	18	16	0	0
1,698	1977	1	18	16	15	0
1,699	1977	1	18	16	30	0
1,700	1977	1	18	16	45	0
1,701	1977	1	18	17	0	0
1,702	1977	1	18	17	15	0
1,703	1977	1	18	17	30	0
1,704	1977	1	18	17	45	0
1,705	1977	1	18	18	0	0
1,706	1977	1	18	18	15	0
1,707	1977	1	18	18	30	0
1,708	1977	1	18	18	45	0
1,709	1977	1	18	19	0	0
1,710	1977	1	18	19	15	0
1,711	1977	1	18	19	30	0
1,712	1977	1	18	19	45	0
1,713	1977	1	18	20	0	0
1,714	1977	1	18	20	15	0
1,715	1977	1	18	20	30	0
1,716	1977	1	18	20	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
1,717	1977	1	18	21	0	0
1,718	1977	1	18	21	15	0
1,719	1977	1	18	21	30	0
1,720	1977	1	18	21	45	0
1,721	1977	1	18	22	0	0
1,722	1977	1	18	22	15	0
1,723	1977	1	18	22	30	0
1,724	1977	1	18	22	45	0
1,725	1977	1	18	23	0	0
1,726	1977	1	18	23	15	0
1,727	1977	1	18	23	30	0
1,728	1977	1	18	23	45	0
1,729	1977	1	19	0	0	0.0025
1,730	1977	1	19	0	15	0.0025
1,731	1977	1	19	0	30	0.0025
1,732	1977	1	19	0	45	0.0025
1,733	1977	1	19	1	0	0.0025
1,734	1977	1	19	1	15	0.0025
1,735	1977	1	19	1	30	0.0025
1,736	1977	1	19	1	45	0.0025
1,737	1977	1	19	2	0	0
1,738	1977	1	19	2	15	0
1,739	1977	1	19	2	30	0
1,740	1977	1	19	2	45	0
1,741	1977	1	19	3	0	0
1,742	1977	1	19	3	15	0
1,743	1977	1	19	3	30	0
1,744	1977	1	19	3	45	0
1,745	1977	1	19	4	0	0.0025
1,746	1977	1	19	4	15	0.0025
1,747	1977	1	19	4	30	0.0025
1,748	1977	1	19	4	45	0.0025
1,749	1977	1	19	5	0	0.0025
1,750	1977	1	19	5	15	0.0025
1,751	1977	1	19	5	30	0.0025
1,752	1977	1	19	5	45	0.0025
1,753	1977	1	19	6	0	0.0025
1,754	1977	1	19	6	15	0.0025
1,755	1977	1	19	6	30	0.0025
1,756	1977	1	19	6	45	0.0025
1,757	1977	1	19	7	0	0
1,758	1977	1	19	7	15	0
1,759	1977	1	19	7	30	0
1,760	1977	1	19	7	45	0
1,761	1977	1	19	8	0	0
1,762	1977	1	19	8	15	0
1,763	1977	1	19	8	30	0
1,764	1977	1	19	8	45	0
1,765	1977	1	19	9	0	0.0025
1,766	1977	1	19	9	15	0.0025
1,767	1977	1	19	9	30	0.0025
1,768	1977	1	19	9	45	0.0025

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
1,769	1977	1	19	10	0	0.0025
1,770	1977	1	19	10	15	0.0025
1,771	1977	1	19	10	30	0.0025
1,772	1977	1	19	10	45	0.0025
1,773	1977	1	19	11	0	0
1,774	1977	1	19	11	15	0
1,775	1977	1	19	11	30	0
1,776	1977	1	19	11	45	0
1,777	1977	1	19	12	0	0
1,778	1977	1	19	12	15	0
1,779	1977	1	19	12	30	0
1,780	1977	1	19	12	45	0
1,781	1977	1	19	13	0	0.0025
1,782	1977	1	19	13	15	0.0025
1,783	1977	1	19	13	30	0.0025
1,784	1977	1	19	13	45	0.0025
1,785	1977	1	19	14	0	0
1,786	1977	1	19	14	15	0
1,787	1977	1	19	14	30	0
1,788	1977	1	19	14	45	0
1,789	1977	1	19	15	0	0
1,790	1977	1	19	15	15	0
1,791	1977	1	19	15	30	0
1,792	1977	1	19	15	45	0
1,793	1977	1	19	16	0	0
1,794	1977	1	19	16	15	0
1,795	1977	1	19	16	30	0
1,796	1977	1	19	16	45	0
1,797	1977	1	19	17	0	0
1,798	1977	1	19	17	15	0
1,799	1977	1	19	17	30	0
1,800	1977	1	19	17	45	0
1,801	1977	1	19	18	0	0.0025
1,802	1977	1	19	18	15	0.0025
1,803	1977	1	19	18	30	0.0025
1,804	1977	1	19	18	45	0.0025
1,805	1977	1	19	19	0	0
1,806	1977	1	19	19	15	0
1,807	1977	1	19	19	30	0
1,808	1977	1	19	19	45	0
1,809	1977	1	19	20	0	0
1,810	1977	1	19	20	15	0
1,811	1977	1	19	20	30	0
1,812	1977	1	19	20	45	0
1,813	1977	1	19	21	0	0
1,814	1977	1	19	21	15	0
1,815	1977	1	19	21	30	0
1,816	1977	1	19	21	45	0
1,817	1977	1	19	22	0	0
1,818	1977	1	19	22	15	0
1,819	1977	1	19	22	30	0
1,820	1977	1	19	22	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
1,821	1977	1	19	23	0	0
1,822	1977	1	19	23	15	0
1,823	1977	1	19	23	30	0
1,824	1977	1	19	23	45	0
1,825	1977	1	20	0	0	0
1,826	1977	1	20	0	15	0
1,827	1977	1	20	0	30	0
1,828	1977	1	20	0	45	0
1,829	1977	1	20	1	0	0
1,830	1977	1	20	1	15	0
1,831	1977	1	20	1	30	0
1,832	1977	1	20	1	45	0
1,833	1977	1	20	2	0	0
1,834	1977	1	20	2	15	0
1,835	1977	1	20	2	30	0
1,836	1977	1	20	2	45	0
1,837	1977	1	20	3	0	0
1,838	1977	1	20	3	15	0
1,839	1977	1	20	3	30	0
1,840	1977	1	20	3	45	0
1,841	1977	1	20	4	0	0
1,842	1977	1	20	4	15	0
1,843	1977	1	20	4	30	0
1,844	1977	1	20	4	45	0
1,845	1977	1	20	5	0	0
1,846	1977	1	20	5	15	0
1,847	1977	1	20	5	30	0
1,848	1977	1	20	5	45	0
1,849	1977	1	20	6	0	0
1,850	1977	1	20	6	15	0
1,851	1977	1	20	6	30	0
1,852	1977	1	20	6	45	0
1,853	1977	1	20	7	0	0
1,854	1977	1	20	7	15	0
1,855	1977	1	20	7	30	0
1,856	1977	1	20	7	45	0
1,857	1977	1	20	8	0	0
1,858	1977	1	20	8	15	0
1,859	1977	1	20	8	30	0
1,860	1977	1	20	8	45	0
1,861	1977	1	20	9	0	0
1,862	1977	1	20	9	15	0
1,863	1977	1	20	9	30	0
1,864	1977	1	20	9	45	0
1,865	1977	1	20	10	0	0
1,866	1977	1	20	10	15	0
1,867	1977	1	20	10	30	0
1,868	1977	1	20	10	45	0
1,869	1977	1	20	11	0	0
1,870	1977	1	20	11	15	0
1,871	1977	1	20	11	30	0
1,872	1977	1	20	11	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
1,873	1977	1	20	12	0	0
1,874	1977	1	20	12	15	0
1,875	1977	1	20	12	30	0
1,876	1977	1	20	12	45	0
1,877	1977	1	20	13	0	0
1,878	1977	1	20	13	15	0
1,879	1977	1	20	13	30	0
1,880	1977	1	20	13	45	0
1,881	1977	1	20	14	0	0
1,882	1977	1	20	14	15	0
1,883	1977	1	20	14	30	0
1,884	1977	1	20	14	45	0
1,885	1977	1	20	15	0	0
1,886	1977	1	20	15	15	0
1,887	1977	1	20	15	30	0
1,888	1977	1	20	15	45	0
1,889	1977	1	20	16	0	0
1,890	1977	1	20	16	15	0
1,891	1977	1	20	16	30	0
1,892	1977	1	20	16	45	0
1,893	1977	1	20	17	0	0
1,894	1977	1	20	17	15	0
1,895	1977	1	20	17	30	0
1,896	1977	1	20	17	45	0
1,897	1977	1	20	18	0	0
1,898	1977	1	20	18	15	0
1,899	1977	1	20	18	30	0
1,900	1977	1	20	18	45	0
1,901	1977	1	20	19	0	0
1,902	1977	1	20	19	15	0
1,903	1977	1	20	19	30	0
1,904	1977	1	20	19	45	0
1,905	1977	1	20	20	0	0
1,906	1977	1	20	20	15	0
1,907	1977	1	20	20	30	0
1,908	1977	1	20	20	45	0
1,909	1977	1	20	21	0	0
1,910	1977	1	20	21	15	0
1,911	1977	1	20	21	30	0
1,912	1977	1	20	21	45	0
1,913	1977	1	20	22	0	0
1,914	1977	1	20	22	15	0
1,915	1977	1	20	22	30	0
1,916	1977	1	20	22	45	0
1,917	1977	1	20	23	0	0
1,918	1977	1	20	23	15	0
1,919	1977	1	20	23	30	0
1,920	1977	1	20	23	45	0
1,921	1977	1	21	0	0	0
1,922	1977	1	21	0	15	0
1,923	1977	1	21	0	30	0
1,924	1977	1	21	0	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
1,925	1977	1	21	1	0	0
1,926	1977	1	21	1	15	0
1,927	1977	1	21	1	30	0
1,928	1977	1	21	1	45	0
1,929	1977	1	21	2	0	0
1,930	1977	1	21	2	15	0
1,931	1977	1	21	2	30	0
1,932	1977	1	21	2	45	0
1,933	1977	1	21	3	0	0
1,934	1977	1	21	3	15	0
1,935	1977	1	21	3	30	0
1,936	1977	1	21	3	45	0
1,937	1977	1	21	4	0	0
1,938	1977	1	21	4	15	0
1,939	1977	1	21	4	30	0
1,940	1977	1	21	4	45	0
1,941	1977	1	21	5	0	0
1,942	1977	1	21	5	15	0
1,943	1977	1	21	5	30	0
1,944	1977	1	21	5	45	0
1,945	1977	1	21	6	0	0.0025
1,946	1977	1	21	6	15	0.0025
1,947	1977	1	21	6	30	0.0025
1,948	1977	1	21	6	45	0.0025
1,949	1977	1	21	7	0	0
1,950	1977	1	21	7	15	0
1,951	1977	1	21	7	30	0
1,952	1977	1	21	7	45	0
1,953	1977	1	21	8	0	0
1,954	1977	1	21	8	15	0
1,955	1977	1	21	8	30	0
1,956	1977	1	21	8	45	0
1,957	1977	1	21	9	0	0
1,958	1977	1	21	9	15	0
1,959	1977	1	21	9	30	0
1,960	1977	1	21	9	45	0
1,961	1977	1	21	10	0	0
1,962	1977	1	21	10	15	0
1,963	1977	1	21	10	30	0
1,964	1977	1	21	10	45	0
1,965	1977	1	21	11	0	0
1,966	1977	1	21	11	15	0
1,967	1977	1	21	11	30	0
1,968	1977	1	21	11	45	0
1,969	1977	1	21	12	0	0
1,970	1977	1	21	12	15	0
1,971	1977	1	21	12	30	0
1,972	1977	1	21	12	45	0
1,973	1977	1	21	13	0	0
1,974	1977	1	21	13	15	0
1,975	1977	1	21	13	30	0
1,976	1977	1	21	13	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
1,977	1977	1	21	14	0	0
1,978	1977	1	21	14	15	0
1,979	1977	1	21	14	30	0
1,980	1977	1	21	14	45	0
1,981	1977	1	21	15	0	0
1,982	1977	1	21	15	15	0
1,983	1977	1	21	15	30	0
1,984	1977	1	21	15	45	0
1,985	1977	1	21	16	0	0.0025
1,986	1977	1	21	16	15	0.0025
1,987	1977	1	21	16	30	0.0025
1,988	1977	1	21	16	45	0.0025
1,989	1977	1	21	17	0	0
1,990	1977	1	21	17	15	0
1,991	1977	1	21	17	30	0
1,992	1977	1	21	17	45	0
1,993	1977	1	21	18	0	0
1,994	1977	1	21	18	15	0
1,995	1977	1	21	18	30	0
1,996	1977	1	21	18	45	0
1,997	1977	1	21	19	0	0
1,998	1977	1	21	19	15	0
1,999	1977	1	21	19	30	0
2,000	1977	1	21	19	45	0
2,001	1977	1	21	20	0	0
2,002	1977	1	21	20	15	0
2,003	1977	1	21	20	30	0
2,004	1977	1	21	20	45	0
2,005	1977	1	21	21	0	0
2,006	1977	1	21	21	15	0
2,007	1977	1	21	21	30	0
2,008	1977	1	21	21	45	0
2,009	1977	1	21	22	0	0
2,010	1977	1	21	22	15	0
2,011	1977	1	21	22	30	0
2,012	1977	1	21	22	45	0
2,013	1977	1	21	23	0	0
2,014	1977	1	21	23	15	0
2,015	1977	1	21	23	30	0
2,016	1977	1	21	23	45	0
2,017	1977	1	22	0	0	0
2,018	1977	1	22	0	15	0
2,019	1977	1	22	0	30	0
2,020	1977	1	22	0	45	0
2,021	1977	1	22	1	0	0
2,022	1977	1	22	1	15	0
2,023	1977	1	22	1	30	0
2,024	1977	1	22	1	45	0
2,025	1977	1	22	2	0	0
2,026	1977	1	22	2	15	0
2,027	1977	1	22	2	30	0
2,028	1977	1	22	2	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
2,029	1977	1	22	3	0	0.0025
2,030	1977	1	22	3	15	0.0025
2,031	1977	1	22	3	30	0.0025
2,032	1977	1	22	3	45	0.0025
2,033	1977	1	22	4	0	0
2,034	1977	1	22	4	15	0
2,035	1977	1	22	4	30	0
2,036	1977	1	22	4	45	0
2,037	1977	1	22	5	0	0
2,038	1977	1	22	5	15	0
2,039	1977	1	22	5	30	0
2,040	1977	1	22	5	45	0
2,041	1977	1	22	6	0	0
2,042	1977	1	22	6	15	0
2,043	1977	1	22	6	30	0
2,044	1977	1	22	6	45	0
2,045	1977	1	22	7	0	0
2,046	1977	1	22	7	15	0
2,047	1977	1	22	7	30	0
2,048	1977	1	22	7	45	0
2,049	1977	1	22	8	0	0
2,050	1977	1	22	8	15	0
2,051	1977	1	22	8	30	0
2,052	1977	1	22	8	45	0
2,053	1977	1	22	9	0	0
2,054	1977	1	22	9	15	0
2,055	1977	1	22	9	30	0
2,056	1977	1	22	9	45	0
2,057	1977	1	22	10	0	0
2,058	1977	1	22	10	15	0
2,059	1977	1	22	10	30	0
2,060	1977	1	22	10	45	0
2,061	1977	1	22	11	0	0
2,062	1977	1	22	11	15	0
2,063	1977	1	22	11	30	0
2,064	1977	1	22	11	45	0
2,065	1977	1	22	12	0	0
2,066	1977	1	22	12	15	0
2,067	1977	1	22	12	30	0
2,068	1977	1	22	12	45	0
2,069	1977	1	22	13	0	0
2,070	1977	1	22	13	15	0
2,071	1977	1	22	13	30	0
2,072	1977	1	22	13	45	0
2,073	1977	1	22	14	0	0
2,074	1977	1	22	14	15	0
2,075	1977	1	22	14	30	0
2,076	1977	1	22	14	45	0
2,077	1977	1	22	15	0	0
2,078	1977	1	22	15	15	0
2,079	1977	1	22	15	30	0
2,080	1977	1	22	15	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
2,081	1977	1	22	16	0	0
2,082	1977	1	22	16	15	0
2,083	1977	1	22	16	30	0
2,084	1977	1	22	16	45	0
2,085	1977	1	22	17	0	0
2,086	1977	1	22	17	15	0
2,087	1977	1	22	17	30	0
2,088	1977	1	22	17	45	0
2,089	1977	1	22	18	0	0
2,090	1977	1	22	18	15	0
2,091	1977	1	22	18	30	0
2,092	1977	1	22	18	45	0
2,093	1977	1	22	19	0	0
2,094	1977	1	22	19	15	0
2,095	1977	1	22	19	30	0
2,096	1977	1	22	19	45	0
2,097	1977	1	22	20	0	0
2,098	1977	1	22	20	15	0
2,099	1977	1	22	20	30	0
2,100	1977	1	22	20	45	0
2,101	1977	1	22	21	0	0
2,102	1977	1	22	21	15	0
2,103	1977	1	22	21	30	0
2,104	1977	1	22	21	45	0
2,105	1977	1	22	22	0	0
2,106	1977	1	22	22	15	0
2,107	1977	1	22	22	30	0
2,108	1977	1	22	22	45	0
2,109	1977	1	22	23	0	0
2,110	1977	1	22	23	15	0
2,111	1977	1	22	23	30	0
2,112	1977	1	22	23	45	0
2,113	1977	1	23	0	0	0
2,114	1977	1	23	0	15	0
2,115	1977	1	23	0	30	0
2,116	1977	1	23	0	45	0
2,117	1977	1	23	1	0	0
2,118	1977	1	23	1	15	0
2,119	1977	1	23	1	30	0
2,120	1977	1	23	1	45	0
2,121	1977	1	23	2	0	0
2,122	1977	1	23	2	15	0
2,123	1977	1	23	2	30	0
2,124	1977	1	23	2	45	0
2,125	1977	1	23	3	0	0
2,126	1977	1	23	3	15	0
2,127	1977	1	23	3	30	0
2,128	1977	1	23	3	45	0
2,129	1977	1	23	4	0	0
2,130	1977	1	23	4	15	0
2,131	1977	1	23	4	30	0
2,132	1977	1	23	4	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
2,133	1977	1	23	5	0	0
2,134	1977	1	23	5	15	0
2,135	1977	1	23	5	30	0
2,136	1977	1	23	5	45	0
2,137	1977	1	23	6	0	0
2,138	1977	1	23	6	15	0
2,139	1977	1	23	6	30	0
2,140	1977	1	23	6	45	0
2,141	1977	1	23	7	0	0
2,142	1977	1	23	7	15	0
2,143	1977	1	23	7	30	0
2,144	1977	1	23	7	45	0
2,145	1977	1	23	8	0	0
2,146	1977	1	23	8	15	0
2,147	1977	1	23	8	30	0
2,148	1977	1	23	8	45	0
2,149	1977	1	23	9	0	0
2,150	1977	1	23	9	15	0
2,151	1977	1	23	9	30	0
2,152	1977	1	23	9	45	0
2,153	1977	1	23	10	0	0
2,154	1977	1	23	10	15	0
2,155	1977	1	23	10	30	0
2,156	1977	1	23	10	45	0
2,157	1977	1	23	11	0	0
2,158	1977	1	23	11	15	0
2,159	1977	1	23	11	30	0
2,160	1977	1	23	11	45	0
2,161	1977	1	23	12	0	0
2,162	1977	1	23	12	15	0
2,163	1977	1	23	12	30	0
2,164	1977	1	23	12	45	0
2,165	1977	1	23	13	0	0
2,166	1977	1	23	13	15	0
2,167	1977	1	23	13	30	0
2,168	1977	1	23	13	45	0
2,169	1977	1	23	14	0	0
2,170	1977	1	23	14	15	0
2,171	1977	1	23	14	30	0
2,172	1977	1	23	14	45	0
2,173	1977	1	23	15	0	0
2,174	1977	1	23	15	15	0
2,175	1977	1	23	15	30	0
2,176	1977	1	23	15	45	0
2,177	1977	1	23	16	0	0
2,178	1977	1	23	16	15	0
2,179	1977	1	23	16	30	0
2,180	1977	1	23	16	45	0
2,181	1977	1	23	17	0	0
2,182	1977	1	23	17	15	0
2,183	1977	1	23	17	30	0
2,184	1977	1	23	17	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
2,185	1977	1	23	18	0	0
2,186	1977	1	23	18	15	0
2,187	1977	1	23	18	30	0
2,188	1977	1	23	18	45	0
2,189	1977	1	23	19	0	0
2,190	1977	1	23	19	15	0
2,191	1977	1	23	19	30	0
2,192	1977	1	23	19	45	0
2,193	1977	1	23	20	0	0
2,194	1977	1	23	20	15	0
2,195	1977	1	23	20	30	0
2,196	1977	1	23	20	45	0
2,197	1977	1	23	21	0	0
2,198	1977	1	23	21	15	0
2,199	1977	1	23	21	30	0
2,200	1977	1	23	21	45	0
2,201	1977	1	23	22	0	0
2,202	1977	1	23	22	15	0
2,203	1977	1	23	22	30	0
2,204	1977	1	23	22	45	0
2,205	1977	1	23	23	0	0
2,206	1977	1	23	23	15	0
2,207	1977	1	23	23	30	0
2,208	1977	1	23	23	45	0
2,209	1977	1	24	0	0	0
2,210	1977	1	24	0	15	0
2,211	1977	1	24	0	30	0
2,212	1977	1	24	0	45	0
2,213	1977	1	24	1	0	0
2,214	1977	1	24	1	15	0
2,215	1977	1	24	1	30	0
2,216	1977	1	24	1	45	0
2,217	1977	1	24	2	0	0
2,218	1977	1	24	2	15	0
2,219	1977	1	24	2	30	0
2,220	1977	1	24	2	45	0
2,221	1977	1	24	3	0	0
2,222	1977	1	24	3	15	0
2,223	1977	1	24	3	30	0
2,224	1977	1	24	3	45	0
2,225	1977	1	24	4	0	0
2,226	1977	1	24	4	15	0
2,227	1977	1	24	4	30	0
2,228	1977	1	24	4	45	0
2,229	1977	1	24	5	0	0
2,230	1977	1	24	5	15	0
2,231	1977	1	24	5	30	0
2,232	1977	1	24	5	45	0
2,233	1977	1	24	6	0	0
2,234	1977	1	24	6	15	0
2,235	1977	1	24	6	30	0
2,236	1977	1	24	6	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
2,237	1977	1	24	7	0	0
2,238	1977	1	24	7	15	0
2,239	1977	1	24	7	30	0
2,240	1977	1	24	7	45	0
2,241	1977	1	24	8	0	0
2,242	1977	1	24	8	15	0
2,243	1977	1	24	8	30	0
2,244	1977	1	24	8	45	0
2,245	1977	1	24	9	0	0
2,246	1977	1	24	9	15	0
2,247	1977	1	24	9	30	0
2,248	1977	1	24	9	45	0
2,249	1977	1	24	10	0	0
2,250	1977	1	24	10	15	0
2,251	1977	1	24	10	30	0
2,252	1977	1	24	10	45	0
2,253	1977	1	24	11	0	0.0025
2,254	1977	1	24	11	15	0.0025
2,255	1977	1	24	11	30	0.0025
2,256	1977	1	24	11	45	0.0025
2,257	1977	1	24	12	0	0
2,258	1977	1	24	12	15	0
2,259	1977	1	24	12	30	0
2,260	1977	1	24	12	45	0
2,261	1977	1	24	13	0	0
2,262	1977	1	24	13	15	0
2,263	1977	1	24	13	30	0
2,264	1977	1	24	13	45	0
2,265	1977	1	24	14	0	0
2,266	1977	1	24	14	15	0
2,267	1977	1	24	14	30	0
2,268	1977	1	24	14	45	0
2,269	1977	1	24	15	0	0
2,270	1977	1	24	15	15	0
2,271	1977	1	24	15	30	0
2,272	1977	1	24	15	45	0
2,273	1977	1	24	16	0	0
2,274	1977	1	24	16	15	0
2,275	1977	1	24	16	30	0
2,276	1977	1	24	16	45	0
2,277	1977	1	24	17	0	0
2,278	1977	1	24	17	15	0
2,279	1977	1	24	17	30	0
2,280	1977	1	24	17	45	0
2,281	1977	1	24	18	0	0
2,282	1977	1	24	18	15	0
2,283	1977	1	24	18	30	0
2,284	1977	1	24	18	45	0
2,285	1977	1	24	19	0	0
2,286	1977	1	24	19	15	0
2,287	1977	1	24	19	30	0
2,288	1977	1	24	19	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
2,289	1977	1	24	20	0	0
2,290	1977	1	24	20	15	0
2,291	1977	1	24	20	30	0
2,292	1977	1	24	20	45	0
2,293	1977	1	24	21	0	0
2,294	1977	1	24	21	15	0
2,295	1977	1	24	21	30	0
2,296	1977	1	24	21	45	0
2,297	1977	1	24	22	0	0
2,298	1977	1	24	22	15	0
2,299	1977	1	24	22	30	0
2,300	1977	1	24	22	45	0
2,301	1977	1	24	23	0	0
2,302	1977	1	24	23	15	0
2,303	1977	1	24	23	30	0
2,304	1977	1	24	23	45	0
2,305	1977	1	25	0	0	0
2,306	1977	1	25	0	15	0
2,307	1977	1	25	0	30	0
2,308	1977	1	25	0	45	0
2,309	1977	1	25	1	0	0
2,310	1977	1	25	1	15	0
2,311	1977	1	25	1	30	0
2,312	1977	1	25	1	45	0
2,313	1977	1	25	2	0	0
2,314	1977	1	25	2	15	0
2,315	1977	1	25	2	30	0
2,316	1977	1	25	2	45	0
2,317	1977	1	25	3	0	0
2,318	1977	1	25	3	15	0
2,319	1977	1	25	3	30	0
2,320	1977	1	25	3	45	0
2,321	1977	1	25	4	0	0
2,322	1977	1	25	4	15	0
2,323	1977	1	25	4	30	0
2,324	1977	1	25	4	45	0
2,325	1977	1	25	5	0	0
2,326	1977	1	25	5	15	0
2,327	1977	1	25	5	30	0
2,328	1977	1	25	5	45	0
2,329	1977	1	25	6	0	0.0025
2,330	1977	1	25	6	15	0.0025
2,331	1977	1	25	6	30	0.0025
2,332	1977	1	25	6	45	0.0025
2,333	1977	1	25	7	0	0
2,334	1977	1	25	7	15	0
2,335	1977	1	25	7	30	0
2,336	1977	1	25	7	45	0
2,337	1977	1	25	8	0	0
2,338	1977	1	25	8	15	0
2,339	1977	1	25	8	30	0
2,340	1977	1	25	8	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
2,341	1977	1	25	9	0	0
2,342	1977	1	25	9	15	0
2,343	1977	1	25	9	30	0
2,344	1977	1	25	9	45	0
2,345	1977	1	25	10	0	0.0025
2,346	1977	1	25	10	15	0.0025
2,347	1977	1	25	10	30	0.0025
2,348	1977	1	25	10	45	0.0025
2,349	1977	1	25	11	0	0
2,350	1977	1	25	11	15	0
2,351	1977	1	25	11	30	0
2,352	1977	1	25	11	45	0
2,353	1977	1	25	12	0	0
2,354	1977	1	25	12	15	0
2,355	1977	1	25	12	30	0
2,356	1977	1	25	12	45	0
2,357	1977	1	25	13	0	0.0025
2,358	1977	1	25	13	15	0.0025
2,359	1977	1	25	13	30	0.0025
2,360	1977	1	25	13	45	0.0025
2,361	1977	1	25	14	0	0.0025
2,362	1977	1	25	14	15	0.0025
2,363	1977	1	25	14	30	0.0025
2,364	1977	1	25	14	45	0.0025
2,365	1977	1	25	15	0	0
2,366	1977	1	25	15	15	0
2,367	1977	1	25	15	30	0
2,368	1977	1	25	15	45	0
2,369	1977	1	25	16	0	0
2,370	1977	1	25	16	15	0
2,371	1977	1	25	16	30	0
2,372	1977	1	25	16	45	0
2,373	1977	1	25	17	0	0
2,374	1977	1	25	17	15	0
2,375	1977	1	25	17	30	0
2,376	1977	1	25	17	45	0
2,377	1977	1	25	18	0	0
2,378	1977	1	25	18	15	0
2,379	1977	1	25	18	30	0
2,380	1977	1	25	18	45	0
2,381	1977	1	25	19	0	0.0025
2,382	1977	1	25	19	15	0.0025
2,383	1977	1	25	19	30	0.0025
2,384	1977	1	25	19	45	0.0025
2,385	1977	1	25	20	0	0.005
2,386	1977	1	25	20	15	0.005
2,387	1977	1	25	20	30	0.005
2,388	1977	1	25	20	45	0.005
2,389	1977	1	25	21	0	0.005
2,390	1977	1	25	21	15	0.005
2,391	1977	1	25	21	30	0.005
2,392	1977	1	25	21	45	0.005

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
2,393	1977	1	25	22	0	0
2,394	1977	1	25	22	15	0
2,395	1977	1	25	22	30	0
2,396	1977	1	25	22	45	0
2,397	1977	1	25	23	0	0
2,398	1977	1	25	23	15	0
2,399	1977	1	25	23	30	0
2,400	1977	1	25	23	45	0
2,401	1977	1	26	0	0	0
2,402	1977	1	26	0	15	0
2,403	1977	1	26	0	30	0
2,404	1977	1	26	0	45	0
2,405	1977	1	26	1	0	0
2,406	1977	1	26	1	15	0
2,407	1977	1	26	1	30	0
2,408	1977	1	26	1	45	0
2,409	1977	1	26	2	0	0
2,410	1977	1	26	2	15	0
2,411	1977	1	26	2	30	0
2,412	1977	1	26	2	45	0
2,413	1977	1	26	3	0	0
2,414	1977	1	26	3	15	0
2,415	1977	1	26	3	30	0
2,416	1977	1	26	3	45	0
2,417	1977	1	26	4	0	0
2,418	1977	1	26	4	15	0
2,419	1977	1	26	4	30	0
2,420	1977	1	26	4	45	0
2,421	1977	1	26	5	0	0.0025
2,422	1977	1	26	5	15	0.0025
2,423	1977	1	26	5	30	0.0025
2,424	1977	1	26	5	45	0.0025
2,425	1977	1	26	6	0	0
2,426	1977	1	26	6	15	0
2,427	1977	1	26	6	30	0
2,428	1977	1	26	6	45	0
2,429	1977	1	26	7	0	0
2,430	1977	1	26	7	15	0
2,431	1977	1	26	7	30	0
2,432	1977	1	26	7	45	0
2,433	1977	1	26	8	0	0
2,434	1977	1	26	8	15	0
2,435	1977	1	26	8	30	0
2,436	1977	1	26	8	45	0
2,437	1977	1	26	9	0	0
2,438	1977	1	26	9	15	0
2,439	1977	1	26	9	30	0
2,440	1977	1	26	9	45	0
2,441	1977	1	26	10	0	0
2,442	1977	1	26	10	15	0
2,443	1977	1	26	10	30	0
2,444	1977	1	26	10	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
2,445	1977	1	26	11	0	0
2,446	1977	1	26	11	15	0
2,447	1977	1	26	11	30	0
2,448	1977	1	26	11	45	0
2,449	1977	1	26	12	0	0
2,450	1977	1	26	12	15	0
2,451	1977	1	26	12	30	0
2,452	1977	1	26	12	45	0
2,453	1977	1	26	13	0	0
2,454	1977	1	26	13	15	0
2,455	1977	1	26	13	30	0
2,456	1977	1	26	13	45	0
2,457	1977	1	26	14	0	0
2,458	1977	1	26	14	15	0
2,459	1977	1	26	14	30	0
2,460	1977	1	26	14	45	0
2,461	1977	1	26	15	0	0
2,462	1977	1	26	15	15	0
2,463	1977	1	26	15	30	0
2,464	1977	1	26	15	45	0
2,465	1977	1	26	16	0	0
2,466	1977	1	26	16	15	0
2,467	1977	1	26	16	30	0
2,468	1977	1	26	16	45	0
2,469	1977	1	26	17	0	0.0025
2,470	1977	1	26	17	15	0.0025
2,471	1977	1	26	17	30	0.0025
2,472	1977	1	26	17	45	0.0025
2,473	1977	1	26	18	0	0.0025
2,474	1977	1	26	18	15	0.0025
2,475	1977	1	26	18	30	0.0025
2,476	1977	1	26	18	45	0.0025
2,477	1977	1	26	19	0	0.0025
2,478	1977	1	26	19	15	0.0025
2,479	1977	1	26	19	30	0.0025
2,480	1977	1	26	19	45	0.0025
2,481	1977	1	26	20	0	0
2,482	1977	1	26	20	15	0
2,483	1977	1	26	20	30	0
2,484	1977	1	26	20	45	0
2,485	1977	1	26	21	0	0.0025
2,486	1977	1	26	21	15	0.0025
2,487	1977	1	26	21	30	0.0025
2,488	1977	1	26	21	45	0.0025
2,489	1977	1	26	22	0	0
2,490	1977	1	26	22	15	0
2,491	1977	1	26	22	30	0
2,492	1977	1	26	22	45	0
2,493	1977	1	26	23	0	0
2,494	1977	1	26	23	15	0
2,495	1977	1	26	23	30	0
2,496	1977	1	26	23	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
2,497	1977	1	27	0	0	0
2,498	1977	1	27	0	15	0
2,499	1977	1	27	0	30	0
2,500	1977	1	27	0	45	0
2,501	1977	1	27	1	0	0
2,502	1977	1	27	1	15	0
2,503	1977	1	27	1	30	0
2,504	1977	1	27	1	45	0
2,505	1977	1	27	2	0	0
2,506	1977	1	27	2	15	0
2,507	1977	1	27	2	30	0
2,508	1977	1	27	2	45	0
2,509	1977	1	27	3	0	0
2,510	1977	1	27	3	15	0
2,511	1977	1	27	3	30	0
2,512	1977	1	27	3	45	0
2,513	1977	1	27	4	0	0
2,514	1977	1	27	4	15	0
2,515	1977	1	27	4	30	0
2,516	1977	1	27	4	45	0
2,517	1977	1	27	5	0	0
2,518	1977	1	27	5	15	0
2,519	1977	1	27	5	30	0
2,520	1977	1	27	5	45	0
2,521	1977	1	27	6	0	0
2,522	1977	1	27	6	15	0
2,523	1977	1	27	6	30	0
2,524	1977	1	27	6	45	0
2,525	1977	1	27	7	0	0
2,526	1977	1	27	7	15	0
2,527	1977	1	27	7	30	0
2,528	1977	1	27	7	45	0
2,529	1977	1	27	8	0	0
2,530	1977	1	27	8	15	0
2,531	1977	1	27	8	30	0
2,532	1977	1	27	8	45	0
2,533	1977	1	27	9	0	0
2,534	1977	1	27	9	15	0
2,535	1977	1	27	9	30	0
2,536	1977	1	27	9	45	0
2,537	1977	1	27	10	0	0
2,538	1977	1	27	10	15	0
2,539	1977	1	27	10	30	0
2,540	1977	1	27	10	45	0
2,541	1977	1	27	11	0	0
2,542	1977	1	27	11	15	0
2,543	1977	1	27	11	30	0
2,544	1977	1	27	11	45	0
2,545	1977	1	27	12	0	0
2,546	1977	1	27	12	15	0
2,547	1977	1	27	12	30	0
2,548	1977	1	27	12	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
2,549	1977	1	27	13	0	0
2,550	1977	1	27	13	15	0
2,551	1977	1	27	13	30	0
2,552	1977	1	27	13	45	0
2,553	1977	1	27	14	0	0
2,554	1977	1	27	14	15	0
2,555	1977	1	27	14	30	0
2,556	1977	1	27	14	45	0
2,557	1977	1	27	15	0	0
2,558	1977	1	27	15	15	0
2,559	1977	1	27	15	30	0
2,560	1977	1	27	15	45	0
2,561	1977	1	27	16	0	0
2,562	1977	1	27	16	15	0
2,563	1977	1	27	16	30	0
2,564	1977	1	27	16	45	0
2,565	1977	1	27	17	0	0
2,566	1977	1	27	17	15	0
2,567	1977	1	27	17	30	0
2,568	1977	1	27	17	45	0
2,569	1977	1	27	18	0	0
2,570	1977	1	27	18	15	0
2,571	1977	1	27	18	30	0
2,572	1977	1	27	18	45	0
2,573	1977	1	27	19	0	0
2,574	1977	1	27	19	15	0
2,575	1977	1	27	19	30	0
2,576	1977	1	27	19	45	0
2,577	1977	1	27	20	0	0
2,578	1977	1	27	20	15	0
2,579	1977	1	27	20	30	0
2,580	1977	1	27	20	45	0
2,581	1977	1	27	21	0	0
2,582	1977	1	27	21	15	0
2,583	1977	1	27	21	30	0
2,584	1977	1	27	21	45	0
2,585	1977	1	27	22	0	0
2,586	1977	1	27	22	15	0
2,587	1977	1	27	22	30	0
2,588	1977	1	27	22	45	0
2,589	1977	1	27	23	0	0
2,590	1977	1	27	23	15	0
2,591	1977	1	27	23	30	0
2,592	1977	1	27	23	45	0
2,593	1977	1	28	0	0	0
2,594	1977	1	28	0	15	0
2,595	1977	1	28	0	30	0
2,596	1977	1	28	0	45	0
2,597	1977	1	28	1	0	0
2,598	1977	1	28	1	15	0
2,599	1977	1	28	1	30	0
2,600	1977	1	28	1	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
2,601	1977	1	28	2	0	0
2,602	1977	1	28	2	15	0
2,603	1977	1	28	2	30	0
2,604	1977	1	28	2	45	0
2,605	1977	1	28	3	0	0.0025
2,606	1977	1	28	3	15	0.0025
2,607	1977	1	28	3	30	0.0025
2,608	1977	1	28	3	45	0.0025
2,609	1977	1	28	4	0	0.0075
2,610	1977	1	28	4	15	0.0075
2,611	1977	1	28	4	30	0.0075
2,612	1977	1	28	4	45	0.0075
2,613	1977	1	28	5	0	0.01
2,614	1977	1	28	5	15	0.01
2,615	1977	1	28	5	30	0.01
2,616	1977	1	28	5	45	0.01
2,617	1977	1	28	6	0	0.0025
2,618	1977	1	28	6	15	0.0025
2,619	1977	1	28	6	30	0.0025
2,620	1977	1	28	6	45	0.0025
2,621	1977	1	28	7	0	0.0125
2,622	1977	1	28	7	15	0.0125
2,623	1977	1	28	7	30	0.0125
2,624	1977	1	28	7	45	0.0125
2,625	1977	1	28	8	0	0
2,626	1977	1	28	8	15	0
2,627	1977	1	28	8	30	0
2,628	1977	1	28	8	45	0
2,629	1977	1	28	9	0	0.005
2,630	1977	1	28	9	15	0.005
2,631	1977	1	28	9	30	0.005
2,632	1977	1	28	9	45	0.005
2,633	1977	1	28	10	0	0.0125
2,634	1977	1	28	10	15	0.0125
2,635	1977	1	28	10	30	0.0125
2,636	1977	1	28	10	45	0.0125
2,637	1977	1	28	11	0	0.005
2,638	1977	1	28	11	15	0.005
2,639	1977	1	28	11	30	0.005
2,640	1977	1	28	11	45	0.005
2,641	1977	1	28	12	0	0
2,642	1977	1	28	12	15	0
2,643	1977	1	28	12	30	0
2,644	1977	1	28	12	45	0
2,645	1977	1	28	13	0	0
2,646	1977	1	28	13	15	0
2,647	1977	1	28	13	30	0
2,648	1977	1	28	13	45	0
2,649	1977	1	28	14	0	0
2,650	1977	1	28	14	15	0
2,651	1977	1	28	14	30	0
2,652	1977	1	28	14	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
2,653	1977	1	28	15	0	0
2,654	1977	1	28	15	15	0
2,655	1977	1	28	15	30	0
2,656	1977	1	28	15	45	0
2,657	1977	1	28	16	0	0
2,658	1977	1	28	16	15	0
2,659	1977	1	28	16	30	0
2,660	1977	1	28	16	45	0
2,661	1977	1	28	17	0	0
2,662	1977	1	28	17	15	0
2,663	1977	1	28	17	30	0
2,664	1977	1	28	17	45	0
2,665	1977	1	28	18	0	0
2,666	1977	1	28	18	15	0
2,667	1977	1	28	18	30	0
2,668	1977	1	28	18	45	0
2,669	1977	1	28	19	0	0
2,670	1977	1	28	19	15	0
2,671	1977	1	28	19	30	0
2,672	1977	1	28	19	45	0
2,673	1977	1	28	20	0	0
2,674	1977	1	28	20	15	0
2,675	1977	1	28	20	30	0
2,676	1977	1	28	20	45	0
2,677	1977	1	28	21	0	0
2,678	1977	1	28	21	15	0
2,679	1977	1	28	21	30	0
2,680	1977	1	28	21	45	0
2,681	1977	1	28	22	0	0
2,682	1977	1	28	22	15	0
2,683	1977	1	28	22	30	0
2,684	1977	1	28	22	45	0
2,685	1977	1	28	23	0	0
2,686	1977	1	28	23	15	0
2,687	1977	1	28	23	30	0
2,688	1977	1	28	23	45	0
2,689	1977	1	29	0	0	0
2,690	1977	1	29	0	15	0
2,691	1977	1	29	0	30	0
2,692	1977	1	29	0	45	0
2,693	1977	1	29	1	0	0
2,694	1977	1	29	1	15	0
2,695	1977	1	29	1	30	0
2,696	1977	1	29	1	45	0
2,697	1977	1	29	2	0	0
2,698	1977	1	29	2	15	0
2,699	1977	1	29	2	30	0
2,700	1977	1	29	2	45	0
2,701	1977	1	29	3	0	0
2,702	1977	1	29	3	15	0
2,703	1977	1	29	3	30	0
2,704	1977	1	29	3	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
2,705	1977	1	29	4	0	0
2,706	1977	1	29	4	15	0
2,707	1977	1	29	4	30	0
2,708	1977	1	29	4	45	0
2,709	1977	1	29	5	0	0
2,710	1977	1	29	5	15	0
2,711	1977	1	29	5	30	0
2,712	1977	1	29	5	45	0
2,713	1977	1	29	6	0	0
2,714	1977	1	29	6	15	0
2,715	1977	1	29	6	30	0
2,716	1977	1	29	6	45	0
2,717	1977	1	29	7	0	0
2,718	1977	1	29	7	15	0
2,719	1977	1	29	7	30	0
2,720	1977	1	29	7	45	0
2,721	1977	1	29	8	0	0
2,722	1977	1	29	8	15	0
2,723	1977	1	29	8	30	0
2,724	1977	1	29	8	45	0
2,725	1977	1	29	9	0	0
2,726	1977	1	29	9	15	0
2,727	1977	1	29	9	30	0
2,728	1977	1	29	9	45	0
2,729	1977	1	29	10	0	0
2,730	1977	1	29	10	15	0
2,731	1977	1	29	10	30	0
2,732	1977	1	29	10	45	0
2,733	1977	1	29	11	0	0
2,734	1977	1	29	11	15	0
2,735	1977	1	29	11	30	0
2,736	1977	1	29	11	45	0
2,737	1977	1	29	12	0	0
2,738	1977	1	29	12	15	0
2,739	1977	1	29	12	30	0
2,740	1977	1	29	12	45	0
2,741	1977	1	29	13	0	0
2,742	1977	1	29	13	15	0
2,743	1977	1	29	13	30	0
2,744	1977	1	29	13	45	0
2,745	1977	1	29	14	0	0
2,746	1977	1	29	14	15	0
2,747	1977	1	29	14	30	0
2,748	1977	1	29	14	45	0
2,749	1977	1	29	15	0	0
2,750	1977	1	29	15	15	0
2,751	1977	1	29	15	30	0
2,752	1977	1	29	15	45	0
2,753	1977	1	29	16	0	0
2,754	1977	1	29	16	15	0
2,755	1977	1	29	16	30	0
2,756	1977	1	29	16	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
2,757	1977	1	29	17	0	0
2,758	1977	1	29	17	15	0
2,759	1977	1	29	17	30	0
2,760	1977	1	29	17	45	0
2,761	1977	1	29	18	0	0
2,762	1977	1	29	18	15	0
2,763	1977	1	29	18	30	0
2,764	1977	1	29	18	45	0
2,765	1977	1	29	19	0	0
2,766	1977	1	29	19	15	0
2,767	1977	1	29	19	30	0
2,768	1977	1	29	19	45	0
2,769	1977	1	29	20	0	0
2,770	1977	1	29	20	15	0
2,771	1977	1	29	20	30	0
2,772	1977	1	29	20	45	0
2,773	1977	1	29	21	0	0.0025
2,774	1977	1	29	21	15	0.0025
2,775	1977	1	29	21	30	0.0025
2,776	1977	1	29	21	45	0.0025
2,777	1977	1	29	22	0	0
2,778	1977	1	29	22	15	0
2,779	1977	1	29	22	30	0
2,780	1977	1	29	22	45	0
2,781	1977	1	29	23	0	0
2,782	1977	1	29	23	15	0
2,783	1977	1	29	23	30	0
2,784	1977	1	29	23	45	0
2,785	1977	1	30	0	0	0
2,786	1977	1	30	0	15	0
2,787	1977	1	30	0	30	0
2,788	1977	1	30	0	45	0
2,789	1977	1	30	1	0	0
2,790	1977	1	30	1	15	0
2,791	1977	1	30	1	30	0
2,792	1977	1	30	1	45	0
2,793	1977	1	30	2	0	0
2,794	1977	1	30	2	15	0
2,795	1977	1	30	2	30	0
2,796	1977	1	30	2	45	0
2,797	1977	1	30	3	0	0.0025
2,798	1977	1	30	3	15	0.0025
2,799	1977	1	30	3	30	0.0025
2,800	1977	1	30	3	45	0.0025
2,801	1977	1	30	4	0	0
2,802	1977	1	30	4	15	0
2,803	1977	1	30	4	30	0
2,804	1977	1	30	4	45	0
2,805	1977	1	30	5	0	0
2,806	1977	1	30	5	15	0
2,807	1977	1	30	5	30	0
2,808	1977	1	30	5	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
2,809	1977	1	30	6	0	0
2,810	1977	1	30	6	15	0
2,811	1977	1	30	6	30	0
2,812	1977	1	30	6	45	0
2,813	1977	1	30	7	0	0
2,814	1977	1	30	7	15	0
2,815	1977	1	30	7	30	0
2,816	1977	1	30	7	45	0
2,817	1977	1	30	8	0	0
2,818	1977	1	30	8	15	0
2,819	1977	1	30	8	30	0
2,820	1977	1	30	8	45	0
2,821	1977	1	30	9	0	0
2,822	1977	1	30	9	15	0
2,823	1977	1	30	9	30	0
2,824	1977	1	30	9	45	0
2,825	1977	1	30	10	0	0
2,826	1977	1	30	10	15	0
2,827	1977	1	30	10	30	0
2,828	1977	1	30	10	45	0
2,829	1977	1	30	11	0	0
2,830	1977	1	30	11	15	0
2,831	1977	1	30	11	30	0
2,832	1977	1	30	11	45	0
2,833	1977	1	30	12	0	0
2,834	1977	1	30	12	15	0
2,835	1977	1	30	12	30	0
2,836	1977	1	30	12	45	0
2,837	1977	1	30	13	0	0
2,838	1977	1	30	13	15	0
2,839	1977	1	30	13	30	0
2,840	1977	1	30	13	45	0
2,841	1977	1	30	14	0	0
2,842	1977	1	30	14	15	0
2,843	1977	1	30	14	30	0
2,844	1977	1	30	14	45	0
2,845	1977	1	30	15	0	0
2,846	1977	1	30	15	15	0
2,847	1977	1	30	15	30	0
2,848	1977	1	30	15	45	0
2,849	1977	1	30	16	0	0
2,850	1977	1	30	16	15	0
2,851	1977	1	30	16	30	0
2,852	1977	1	30	16	45	0
2,853	1977	1	30	17	0	0
2,854	1977	1	30	17	15	0
2,855	1977	1	30	17	30	0
2,856	1977	1	30	17	45	0
2,857	1977	1	30	18	0	0
2,858	1977	1	30	18	15	0
2,859	1977	1	30	18	30	0
2,860	1977	1	30	18	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
2,861	1977	1	30	19	0	0
2,862	1977	1	30	19	15	0
2,863	1977	1	30	19	30	0
2,864	1977	1	30	19	45	0
2,865	1977	1	30	20	0	0
2,866	1977	1	30	20	15	0
2,867	1977	1	30	20	30	0
2,868	1977	1	30	20	45	0
2,869	1977	1	30	21	0	0
2,870	1977	1	30	21	15	0
2,871	1977	1	30	21	30	0
2,872	1977	1	30	21	45	0
2,873	1977	1	30	22	0	0
2,874	1977	1	30	22	15	0
2,875	1977	1	30	22	30	0
2,876	1977	1	30	22	45	0
2,877	1977	1	30	23	0	0
2,878	1977	1	30	23	15	0
2,879	1977	1	30	23	30	0
2,880	1977	1	30	23	45	0
2,881	1977	1	31	0	0	0
2,882	1977	1	31	0	15	0
2,883	1977	1	31	0	30	0
2,884	1977	1	31	0	45	0
2,885	1977	1	31	1	0	0
2,886	1977	1	31	1	15	0
2,887	1977	1	31	1	30	0
2,888	1977	1	31	1	45	0
2,889	1977	1	31	2	0	0
2,890	1977	1	31	2	15	0
2,891	1977	1	31	2	30	0
2,892	1977	1	31	2	45	0
2,893	1977	1	31	3	0	0
2,894	1977	1	31	3	15	0
2,895	1977	1	31	3	30	0
2,896	1977	1	31	3	45	0
2,897	1977	1	31	4	0	0
2,898	1977	1	31	4	15	0
2,899	1977	1	31	4	30	0
2,900	1977	1	31	4	45	0
2,901	1977	1	31	5	0	0
2,902	1977	1	31	5	15	0
2,903	1977	1	31	5	30	0
2,904	1977	1	31	5	45	0
2,905	1977	1	31	6	0	0
2,906	1977	1	31	6	15	0
2,907	1977	1	31	6	30	0
2,908	1977	1	31	6	45	0
2,909	1977	1	31	7	0	0
2,910	1977	1	31	7	15	0
2,911	1977	1	31	7	30	0
2,912	1977	1	31	7	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
2,913	1977	1	31	8	0	0
2,914	1977	1	31	8	15	0
2,915	1977	1	31	8	30	0
2,916	1977	1	31	8	45	0
2,917	1977	1	31	9	0	0
2,918	1977	1	31	9	15	0
2,919	1977	1	31	9	30	0
2,920	1977	1	31	9	45	0
2,921	1977	1	31	10	0	0
2,922	1977	1	31	10	15	0
2,923	1977	1	31	10	30	0
2,924	1977	1	31	10	45	0
2,925	1977	1	31	11	0	0
2,926	1977	1	31	11	15	0
2,927	1977	1	31	11	30	0
2,928	1977	1	31	11	45	0
2,929	1977	1	31	12	0	0
2,930	1977	1	31	12	15	0
2,931	1977	1	31	12	30	0
2,932	1977	1	31	12	45	0
2,933	1977	1	31	13	0	0
2,934	1977	1	31	13	15	0
2,935	1977	1	31	13	30	0
2,936	1977	1	31	13	45	0
2,937	1977	1	31	14	0	0
2,938	1977	1	31	14	15	0
2,939	1977	1	31	14	30	0
2,940	1977	1	31	14	45	0
2,941	1977	1	31	15	0	0
2,942	1977	1	31	15	15	0
2,943	1977	1	31	15	30	0
2,944	1977	1	31	15	45	0
2,945	1977	1	31	16	0	0
2,946	1977	1	31	16	15	0
2,947	1977	1	31	16	30	0
2,948	1977	1	31	16	45	0
2,949	1977	1	31	17	0	0
2,950	1977	1	31	17	15	0
2,951	1977	1	31	17	30	0
2,952	1977	1	31	17	45	0
2,953	1977	1	31	18	0	0
2,954	1977	1	31	18	15	0
2,955	1977	1	31	18	30	0
2,956	1977	1	31	18	45	0
2,957	1977	1	31	19	0	0
2,958	1977	1	31	19	15	0
2,959	1977	1	31	19	30	0
2,960	1977	1	31	19	45	0
2,961	1977	1	31	20	0	0
2,962	1977	1	31	20	15	0
2,963	1977	1	31	20	30	0
2,964	1977	1	31	20	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
2,965	1977	1	31	21	0	0
2,966	1977	1	31	21	15	0
2,967	1977	1	31	21	30	0
2,968	1977	1	31	21	45	0
2,969	1977	1	31	22	0	0
2,970	1977	1	31	22	15	0
2,971	1977	1	31	22	30	0
2,972	1977	1	31	22	45	0
2,973	1977	1	31	23	0	0
2,974	1977	1	31	23	15	0
2,975	1977	1	31	23	30	0
2,976	1977	1	31	23	45	0
2,977	1977	2	1	0	0	0
2,978	1977	2	1	0	15	0
2,979	1977	2	1	0	30	0
2,980	1977	2	1	0	45	0
2,981	1977	2	1	1	0	0
2,982	1977	2	1	1	15	0
2,983	1977	2	1	1	30	0
2,984	1977	2	1	1	45	0
2,985	1977	2	1	2	0	0
2,986	1977	2	1	2	15	0
2,987	1977	2	1	2	30	0
2,988	1977	2	1	2	45	0
2,989	1977	2	1	3	0	0
2,990	1977	2	1	3	15	0
2,991	1977	2	1	3	30	0
2,992	1977	2	1	3	45	0
2,993	1977	2	1	4	0	0
2,994	1977	2	1	4	15	0
2,995	1977	2	1	4	30	0
2,996	1977	2	1	4	45	0
2,997	1977	2	1	5	0	0
2,998	1977	2	1	5	15	0
2,999	1977	2	1	5	30	0
3,000	1977	2	1	5	45	0
3,001	1977	2	1	6	0	0.0025
3,002	1977	2	1	6	15	0.0025
3,003	1977	2	1	6	30	0.0025
3,004	1977	2	1	6	45	0.0025
3,005	1977	2	1	7	0	0
3,006	1977	2	1	7	15	0
3,007	1977	2	1	7	30	0
3,008	1977	2	1	7	45	0
3,009	1977	2	1	8	0	0
3,010	1977	2	1	8	15	0
3,011	1977	2	1	8	30	0
3,012	1977	2	1	8	45	0
3,013	1977	2	1	9	0	0
3,014	1977	2	1	9	15	0
3,015	1977	2	1	9	30	0
3,016	1977	2	1	9	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
3,017	1977	2	1	10	0	0
3,018	1977	2	1	10	15	0
3,019	1977	2	1	10	30	0
3,020	1977	2	1	10	45	0
3,021	1977	2	1	11	0	0
3,022	1977	2	1	11	15	0
3,023	1977	2	1	11	30	0
3,024	1977	2	1	11	45	0
3,025	1977	2	1	12	0	0
3,026	1977	2	1	12	15	0
3,027	1977	2	1	12	30	0
3,028	1977	2	1	12	45	0
3,029	1977	2	1	13	0	0
3,030	1977	2	1	13	15	0
3,031	1977	2	1	13	30	0
3,032	1977	2	1	13	45	0
3,033	1977	2	1	14	0	0
3,034	1977	2	1	14	15	0
3,035	1977	2	1	14	30	0
3,036	1977	2	1	14	45	0
3,037	1977	2	1	15	0	0
3,038	1977	2	1	15	15	0
3,039	1977	2	1	15	30	0
3,040	1977	2	1	15	45	0
3,041	1977	2	1	16	0	0
3,042	1977	2	1	16	15	0
3,043	1977	2	1	16	30	0
3,044	1977	2	1	16	45	0
3,045	1977	2	1	17	0	0
3,046	1977	2	1	17	15	0
3,047	1977	2	1	17	30	0
3,048	1977	2	1	17	45	0
3,049	1977	2	1	18	0	0
3,050	1977	2	1	18	15	0
3,051	1977	2	1	18	30	0
3,052	1977	2	1	18	45	0
3,053	1977	2	1	19	0	0
3,054	1977	2	1	19	15	0
3,055	1977	2	1	19	30	0
3,056	1977	2	1	19	45	0
3,057	1977	2	1	20	0	0
3,058	1977	2	1	20	15	0
3,059	1977	2	1	20	30	0
3,060	1977	2	1	20	45	0
3,061	1977	2	1	21	0	0
3,062	1977	2	1	21	15	0
3,063	1977	2	1	21	30	0
3,064	1977	2	1	21	45	0
3,065	1977	2	1	22	0	0
3,066	1977	2	1	22	15	0
3,067	1977	2	1	22	30	0
3,068	1977	2	1	22	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
3,069	1977	2	1	23	0	0
3,070	1977	2	1	23	15	0
3,071	1977	2	1	23	30	0
3,072	1977	2	1	23	45	0
3,073	1977	2	2	0	0	0
3,074	1977	2	2	0	15	0
3,075	1977	2	2	0	30	0
3,076	1977	2	2	0	45	0
3,077	1977	2	2	1	0	0
3,078	1977	2	2	1	15	0
3,079	1977	2	2	1	30	0
3,080	1977	2	2	1	45	0
3,081	1977	2	2	2	0	0
3,082	1977	2	2	2	15	0
3,083	1977	2	2	2	30	0
3,084	1977	2	2	2	45	0
3,085	1977	2	2	3	0	0
3,086	1977	2	2	3	15	0
3,087	1977	2	2	3	30	0
3,088	1977	2	2	3	45	0
3,089	1977	2	2	4	0	0
3,090	1977	2	2	4	15	0
3,091	1977	2	2	4	30	0
3,092	1977	2	2	4	45	0
3,093	1977	2	2	5	0	0
3,094	1977	2	2	5	15	0
3,095	1977	2	2	5	30	0
3,096	1977	2	2	5	45	0
3,097	1977	2	2	6	0	0
3,098	1977	2	2	6	15	0
3,099	1977	2	2	6	30	0
3,100	1977	2	2	6	45	0
3,101	1977	2	2	7	0	0
3,102	1977	2	2	7	15	0
3,103	1977	2	2	7	30	0
3,104	1977	2	2	7	45	0
3,105	1977	2	2	8	0	0
3,106	1977	2	2	8	15	0
3,107	1977	2	2	8	30	0
3,108	1977	2	2	8	45	0
3,109	1977	2	2	9	0	0
3,110	1977	2	2	9	15	0
3,111	1977	2	2	9	30	0
3,112	1977	2	2	9	45	0
3,113	1977	2	2	10	0	0
3,114	1977	2	2	10	15	0
3,115	1977	2	2	10	30	0
3,116	1977	2	2	10	45	0
3,117	1977	2	2	11	0	0
3,118	1977	2	2	11	15	0
3,119	1977	2	2	11	30	0
3,120	1977	2	2	11	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
3,121	1977	2	2	12	0	0
3,122	1977	2	2	12	15	0
3,123	1977	2	2	12	30	0
3,124	1977	2	2	12	45	0
3,125	1977	2	2	13	0	0
3,126	1977	2	2	13	15	0
3,127	1977	2	2	13	30	0
3,128	1977	2	2	13	45	0
3,129	1977	2	2	14	0	0
3,130	1977	2	2	14	15	0
3,131	1977	2	2	14	30	0
3,132	1977	2	2	14	45	0
3,133	1977	2	2	15	0	0
3,134	1977	2	2	15	15	0
3,135	1977	2	2	15	30	0
3,136	1977	2	2	15	45	0
3,137	1977	2	2	16	0	0
3,138	1977	2	2	16	15	0
3,139	1977	2	2	16	30	0
3,140	1977	2	2	16	45	0
3,141	1977	2	2	17	0	0
3,142	1977	2	2	17	15	0
3,143	1977	2	2	17	30	0
3,144	1977	2	2	17	45	0
3,145	1977	2	2	18	0	0
3,146	1977	2	2	18	15	0
3,147	1977	2	2	18	30	0
3,148	1977	2	2	18	45	0
3,149	1977	2	2	19	0	0
3,150	1977	2	2	19	15	0
3,151	1977	2	2	19	30	0
3,152	1977	2	2	19	45	0
3,153	1977	2	2	20	0	0
3,154	1977	2	2	20	15	0
3,155	1977	2	2	20	30	0
3,156	1977	2	2	20	45	0
3,157	1977	2	2	21	0	0
3,158	1977	2	2	21	15	0
3,159	1977	2	2	21	30	0
3,160	1977	2	2	21	45	0
3,161	1977	2	2	22	0	0
3,162	1977	2	2	22	15	0
3,163	1977	2	2	22	30	0
3,164	1977	2	2	22	45	0
3,165	1977	2	2	23	0	0
3,166	1977	2	2	23	15	0
3,167	1977	2	2	23	30	0
3,168	1977	2	2	23	45	0
3,169	1977	2	3	0	0	0
3,170	1977	2	3	0	15	0
3,171	1977	2	3	0	30	0
3,172	1977	2	3	0	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
3,173	1977	2	3	1	0	0.0025
3,174	1977	2	3	1	15	0.0025
3,175	1977	2	3	1	30	0.0025
3,176	1977	2	3	1	45	0.0025
3,177	1977	2	3	2	0	0.0025
3,178	1977	2	3	2	15	0.0025
3,179	1977	2	3	2	30	0.0025
3,180	1977	2	3	2	45	0.0025
3,181	1977	2	3	3	0	0.0025
3,182	1977	2	3	3	15	0.0025
3,183	1977	2	3	3	30	0.0025
3,184	1977	2	3	3	45	0.0025
3,185	1977	2	3	4	0	0.005
3,186	1977	2	3	4	15	0.005
3,187	1977	2	3	4	30	0.005
3,188	1977	2	3	4	45	0.005
3,189	1977	2	3	5	0	0.005
3,190	1977	2	3	5	15	0.005
3,191	1977	2	3	5	30	0.005
3,192	1977	2	3	5	45	0.005
3,193	1977	2	3	6	0	0.0075
3,194	1977	2	3	6	15	0.0075
3,195	1977	2	3	6	30	0.0075
3,196	1977	2	3	6	45	0.0075
3,197	1977	2	3	7	0	0.005
3,198	1977	2	3	7	15	0.005
3,199	1977	2	3	7	30	0.005
3,200	1977	2	3	7	45	0.005
3,201	1977	2	3	8	0	0.005
3,202	1977	2	3	8	15	0.005
3,203	1977	2	3	8	30	0.005
3,204	1977	2	3	8	45	0.005
3,205	1977	2	3	9	0	0.0075
3,206	1977	2	3	9	15	0.0075
3,207	1977	2	3	9	30	0.0075
3,208	1977	2	3	9	45	0.0075
3,209	1977	2	3	10	0	0.005
3,210	1977	2	3	10	15	0.005
3,211	1977	2	3	10	30	0.005
3,212	1977	2	3	10	45	0.005
3,213	1977	2	3	11	0	0.0025
3,214	1977	2	3	11	15	0.0025
3,215	1977	2	3	11	30	0.0025
3,216	1977	2	3	11	45	0.0025
3,217	1977	2	3	12	0	0
3,218	1977	2	3	12	15	0
3,219	1977	2	3	12	30	0
3,220	1977	2	3	12	45	0
3,221	1977	2	3	13	0	0
3,222	1977	2	3	13	15	0
3,223	1977	2	3	13	30	0
3,224	1977	2	3	13	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
3,225	1977	2	3	14	0	0
3,226	1977	2	3	14	15	0
3,227	1977	2	3	14	30	0
3,228	1977	2	3	14	45	0
3,229	1977	2	3	15	0	0
3,230	1977	2	3	15	15	0
3,231	1977	2	3	15	30	0
3,232	1977	2	3	15	45	0
3,233	1977	2	3	16	0	0
3,234	1977	2	3	16	15	0
3,235	1977	2	3	16	30	0
3,236	1977	2	3	16	45	0
3,237	1977	2	3	17	0	0
3,238	1977	2	3	17	15	0
3,239	1977	2	3	17	30	0
3,240	1977	2	3	17	45	0
3,241	1977	2	3	18	0	0
3,242	1977	2	3	18	15	0
3,243	1977	2	3	18	30	0
3,244	1977	2	3	18	45	0
3,245	1977	2	3	19	0	0
3,246	1977	2	3	19	15	0
3,247	1977	2	3	19	30	0
3,248	1977	2	3	19	45	0
3,249	1977	2	3	20	0	0
3,250	1977	2	3	20	15	0
3,251	1977	2	3	20	30	0
3,252	1977	2	3	20	45	0
3,253	1977	2	3	21	0	0
3,254	1977	2	3	21	15	0
3,255	1977	2	3	21	30	0
3,256	1977	2	3	21	45	0
3,257	1977	2	3	22	0	0
3,258	1977	2	3	22	15	0
3,259	1977	2	3	22	30	0
3,260	1977	2	3	22	45	0
3,261	1977	2	3	23	0	0
3,262	1977	2	3	23	15	0
3,263	1977	2	3	23	30	0
3,264	1977	2	3	23	45	0
3,265	1977	2	4	0	0	0
3,266	1977	2	4	0	15	0
3,267	1977	2	4	0	30	0
3,268	1977	2	4	0	45	0
3,269	1977	2	4	1	0	0
3,270	1977	2	4	1	15	0
3,271	1977	2	4	1	30	0
3,272	1977	2	4	1	45	0
3,273	1977	2	4	2	0	0
3,274	1977	2	4	2	15	0
3,275	1977	2	4	2	30	0
3,276	1977	2	4	2	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
3,277	1977	2	4	3	0	0.005
3,278	1977	2	4	3	15	0.005
3,279	1977	2	4	3	30	0.005
3,280	1977	2	4	3	45	0.005
3,281	1977	2	4	4	0	0.0075
3,282	1977	2	4	4	15	0.0075
3,283	1977	2	4	4	30	0.0075
3,284	1977	2	4	4	45	0.0075
3,285	1977	2	4	5	0	0.0075
3,286	1977	2	4	5	15	0.0075
3,287	1977	2	4	5	30	0.0075
3,288	1977	2	4	5	45	0.0075
3,289	1977	2	4	6	0	0.0075
3,290	1977	2	4	6	15	0.0075
3,291	1977	2	4	6	30	0.0075
3,292	1977	2	4	6	45	0.0075
3,293	1977	2	4	7	0	0.0025
3,294	1977	2	4	7	15	0.0025
3,295	1977	2	4	7	30	0.0025
3,296	1977	2	4	7	45	0.0025
3,297	1977	2	4	8	0	0
3,298	1977	2	4	8	15	0
3,299	1977	2	4	8	30	0
3,300	1977	2	4	8	45	0
3,301	1977	2	4	9	0	0.0025
3,302	1977	2	4	9	15	0.0025
3,303	1977	2	4	9	30	0.0025
3,304	1977	2	4	9	45	0.0025
3,305	1977	2	4	10	0	0
3,306	1977	2	4	10	15	0
3,307	1977	2	4	10	30	0
3,308	1977	2	4	10	45	0
3,309	1977	2	4	11	0	0
3,310	1977	2	4	11	15	0
3,311	1977	2	4	11	30	0
3,312	1977	2	4	11	45	0
3,313	1977	2	4	12	0	0.0025
3,314	1977	2	4	12	15	0.0025
3,315	1977	2	4	12	30	0.0025
3,316	1977	2	4	12	45	0.0025
3,317	1977	2	4	13	0	0.0025
3,318	1977	2	4	13	15	0.0025
3,319	1977	2	4	13	30	0.0025
3,320	1977	2	4	13	45	0.0025
3,321	1977	2	4	14	0	0.0025
3,322	1977	2	4	14	15	0.0025
3,323	1977	2	4	14	30	0.0025
3,324	1977	2	4	14	45	0.0025
3,325	1977	2	4	15	0	0.0075
3,326	1977	2	4	15	15	0.0075
3,327	1977	2	4	15	30	0.0075
3,328	1977	2	4	15	45	0.0075

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
3,329	1977	2	4	16	0	0.005
3,330	1977	2	4	16	15	0.005
3,331	1977	2	4	16	30	0.005
3,332	1977	2	4	16	45	0.005
3,333	1977	2	4	17	0	0.01
3,334	1977	2	4	17	15	0.01
3,335	1977	2	4	17	30	0.01
3,336	1977	2	4	17	45	0.01
3,337	1977	2	4	18	0	0.005
3,338	1977	2	4	18	15	0.005
3,339	1977	2	4	18	30	0.005
3,340	1977	2	4	18	45	0.005
3,341	1977	2	4	19	0	0.0025
3,342	1977	2	4	19	15	0.0025
3,343	1977	2	4	19	30	0.0025
3,344	1977	2	4	19	45	0.0025
3,345	1977	2	4	20	0	0.005
3,346	1977	2	4	20	15	0.005
3,347	1977	2	4	20	30	0.005
3,348	1977	2	4	20	45	0.005
3,349	1977	2	4	21	0	0.0025
3,350	1977	2	4	21	15	0.0025
3,351	1977	2	4	21	30	0.0025
3,352	1977	2	4	21	45	0.0025
3,353	1977	2	4	22	0	0.0025
3,354	1977	2	4	22	15	0.0025
3,355	1977	2	4	22	30	0.0025
3,356	1977	2	4	22	45	0.0025
3,357	1977	2	4	23	0	0.0025
3,358	1977	2	4	23	15	0.0025
3,359	1977	2	4	23	30	0.0025
3,360	1977	2	4	23	45	0.0025
3,361	1977	2	5	0	0	0
3,362	1977	2	5	0	15	0
3,363	1977	2	5	0	30	0
3,364	1977	2	5	0	45	0
3,365	1977	2	5	1	0	0
3,366	1977	2	5	1	15	0
3,367	1977	2	5	1	30	0
3,368	1977	2	5	1	45	0
3,369	1977	2	5	2	0	0
3,370	1977	2	5	2	15	0
3,371	1977	2	5	2	30	0
3,372	1977	2	5	2	45	0
3,373	1977	2	5	3	0	0.0025
3,374	1977	2	5	3	15	0.0025
3,375	1977	2	5	3	30	0.0025
3,376	1977	2	5	3	45	0.0025
3,377	1977	2	5	4	0	0.0025
3,378	1977	2	5	4	15	0.0025
3,379	1977	2	5	4	30	0.0025
3,380	1977	2	5	4	45	0.0025

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
3,381	1977	2	5	5	0	0.0025
3,382	1977	2	5	5	15	0.0025
3,383	1977	2	5	5	30	0.0025
3,384	1977	2	5	5	45	0.0025
3,385	1977	2	5	6	0	0.0025
3,386	1977	2	5	6	15	0.0025
3,387	1977	2	5	6	30	0.0025
3,388	1977	2	5	6	45	0.0025
3,389	1977	2	5	7	0	0
3,390	1977	2	5	7	15	0
3,391	1977	2	5	7	30	0
3,392	1977	2	5	7	45	0
3,393	1977	2	5	8	0	0
3,394	1977	2	5	8	15	0
3,395	1977	2	5	8	30	0
3,396	1977	2	5	8	45	0
3,397	1977	2	5	9	0	0
3,398	1977	2	5	9	15	0
3,399	1977	2	5	9	30	0
3,400	1977	2	5	9	45	0
3,401	1977	2	5	10	0	0
3,402	1977	2	5	10	15	0
3,403	1977	2	5	10	30	0
3,404	1977	2	5	10	45	0
3,405	1977	2	5	11	0	0.0025
3,406	1977	2	5	11	15	0.0025
3,407	1977	2	5	11	30	0.0025
3,408	1977	2	5	11	45	0.0025
3,409	1977	2	5	12	0	0
3,410	1977	2	5	12	15	0
3,411	1977	2	5	12	30	0
3,412	1977	2	5	12	45	0
3,413	1977	2	5	13	0	0
3,414	1977	2	5	13	15	0
3,415	1977	2	5	13	30	0
3,416	1977	2	5	13	45	0
3,417	1977	2	5	14	0	0
3,418	1977	2	5	14	15	0
3,419	1977	2	5	14	30	0
3,420	1977	2	5	14	45	0
3,421	1977	2	5	15	0	0.0025
3,422	1977	2	5	15	15	0.0025
3,423	1977	2	5	15	30	0.0025
3,424	1977	2	5	15	45	0.0025
3,425	1977	2	5	16	0	0.0025
3,426	1977	2	5	16	15	0.0025
3,427	1977	2	5	16	30	0.0025
3,428	1977	2	5	16	45	0.0025
3,429	1977	2	5	17	0	0
3,430	1977	2	5	17	15	0
3,431	1977	2	5	17	30	0
3,432	1977	2	5	17	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
3,433	1977	2	5	18	0	0
3,434	1977	2	5	18	15	0
3,435	1977	2	5	18	30	0
3,436	1977	2	5	18	45	0
3,437	1977	2	5	19	0	0
3,438	1977	2	5	19	15	0
3,439	1977	2	5	19	30	0
3,440	1977	2	5	19	45	0
3,441	1977	2	5	20	0	0
3,442	1977	2	5	20	15	0
3,443	1977	2	5	20	30	0
3,444	1977	2	5	20	45	0
3,445	1977	2	5	21	0	0
3,446	1977	2	5	21	15	0
3,447	1977	2	5	21	30	0
3,448	1977	2	5	21	45	0
3,449	1977	2	5	22	0	0
3,450	1977	2	5	22	15	0
3,451	1977	2	5	22	30	0
3,452	1977	2	5	22	45	0
3,453	1977	2	5	23	0	0
3,454	1977	2	5	23	15	0
3,455	1977	2	5	23	30	0
3,456	1977	2	5	23	45	0
3,457	1977	2	6	0	0	0
3,458	1977	2	6	0	15	0
3,459	1977	2	6	0	30	0
3,460	1977	2	6	0	45	0
3,461	1977	2	6	1	0	0
3,462	1977	2	6	1	15	0
3,463	1977	2	6	1	30	0
3,464	1977	2	6	1	45	0
3,465	1977	2	6	2	0	0
3,466	1977	2	6	2	15	0
3,467	1977	2	6	2	30	0
3,468	1977	2	6	2	45	0
3,469	1977	2	6	3	0	0
3,470	1977	2	6	3	15	0
3,471	1977	2	6	3	30	0
3,472	1977	2	6	3	45	0
3,473	1977	2	6	4	0	0
3,474	1977	2	6	4	15	0
3,475	1977	2	6	4	30	0
3,476	1977	2	6	4	45	0
3,477	1977	2	6	5	0	0
3,478	1977	2	6	5	15	0
3,479	1977	2	6	5	30	0
3,480	1977	2	6	5	45	0
3,481	1977	2	6	6	0	0
3,482	1977	2	6	6	15	0
3,483	1977	2	6	6	30	0
3,484	1977	2	6	6	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
3,485	1977	2	6	7	0	0
3,486	1977	2	6	7	15	0
3,487	1977	2	6	7	30	0
3,488	1977	2	6	7	45	0
3,489	1977	2	6	8	0	0
3,490	1977	2	6	8	15	0
3,491	1977	2	6	8	30	0
3,492	1977	2	6	8	45	0
3,493	1977	2	6	9	0	0
3,494	1977	2	6	9	15	0
3,495	1977	2	6	9	30	0
3,496	1977	2	6	9	45	0
3,497	1977	2	6	10	0	0
3,498	1977	2	6	10	15	0
3,499	1977	2	6	10	30	0
3,500	1977	2	6	10	45	0
3,501	1977	2	6	11	0	0
3,502	1977	2	6	11	15	0
3,503	1977	2	6	11	30	0
3,504	1977	2	6	11	45	0
3,505	1977	2	6	12	0	0.0025
3,506	1977	2	6	12	15	0.0025
3,507	1977	2	6	12	30	0.0025
3,508	1977	2	6	12	45	0.0025
3,509	1977	2	6	13	0	0
3,510	1977	2	6	13	15	0
3,511	1977	2	6	13	30	0
3,512	1977	2	6	13	45	0
3,513	1977	2	6	14	0	0
3,514	1977	2	6	14	15	0
3,515	1977	2	6	14	30	0
3,516	1977	2	6	14	45	0
3,517	1977	2	6	15	0	0
3,518	1977	2	6	15	15	0
3,519	1977	2	6	15	30	0
3,520	1977	2	6	15	45	0
3,521	1977	2	6	16	0	0
3,522	1977	2	6	16	15	0
3,523	1977	2	6	16	30	0
3,524	1977	2	6	16	45	0
3,525	1977	2	6	17	0	0
3,526	1977	2	6	17	15	0
3,527	1977	2	6	17	30	0
3,528	1977	2	6	17	45	0
3,529	1977	2	6	18	0	0
3,530	1977	2	6	18	15	0
3,531	1977	2	6	18	30	0
3,532	1977	2	6	18	45	0
3,533	1977	2	6	19	0	0
3,534	1977	2	6	19	15	0
3,535	1977	2	6	19	30	0
3,536	1977	2	6	19	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
3,537	1977	2	6	20	0	0
3,538	1977	2	6	20	15	0
3,539	1977	2	6	20	30	0
3,540	1977	2	6	20	45	0
3,541	1977	2	6	21	0	0
3,542	1977	2	6	21	15	0
3,543	1977	2	6	21	30	0
3,544	1977	2	6	21	45	0
3,545	1977	2	6	22	0	0
3,546	1977	2	6	22	15	0
3,547	1977	2	6	22	30	0
3,548	1977	2	6	22	45	0
3,549	1977	2	6	23	0	0
3,550	1977	2	6	23	15	0
3,551	1977	2	6	23	30	0
3,552	1977	2	6	23	45	0
3,553	1977	2	7	0	0	0
3,554	1977	2	7	0	15	0
3,555	1977	2	7	0	30	0
3,556	1977	2	7	0	45	0
3,557	1977	2	7	1	0	0
3,558	1977	2	7	1	15	0
3,559	1977	2	7	1	30	0
3,560	1977	2	7	1	45	0
3,561	1977	2	7	2	0	0
3,562	1977	2	7	2	15	0
3,563	1977	2	7	2	30	0
3,564	1977	2	7	2	45	0
3,565	1977	2	7	3	0	0
3,566	1977	2	7	3	15	0
3,567	1977	2	7	3	30	0
3,568	1977	2	7	3	45	0
3,569	1977	2	7	4	0	0
3,570	1977	2	7	4	15	0
3,571	1977	2	7	4	30	0
3,572	1977	2	7	4	45	0
3,573	1977	2	7	5	0	0
3,574	1977	2	7	5	15	0
3,575	1977	2	7	5	30	0
3,576	1977	2	7	5	45	0
3,577	1977	2	7	6	0	0.0025
3,578	1977	2	7	6	15	0.0025
3,579	1977	2	7	6	30	0.0025
3,580	1977	2	7	6	45	0.0025
3,581	1977	2	7	7	0	0
3,582	1977	2	7	7	15	0
3,583	1977	2	7	7	30	0
3,584	1977	2	7	7	45	0
3,585	1977	2	7	8	0	0
3,586	1977	2	7	8	15	0
3,587	1977	2	7	8	30	0
3,588	1977	2	7	8	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
3,589	1977	2	7	9	0	0
3,590	1977	2	7	9	15	0
3,591	1977	2	7	9	30	0
3,592	1977	2	7	9	45	0
3,593	1977	2	7	10	0	0
3,594	1977	2	7	10	15	0
3,595	1977	2	7	10	30	0
3,596	1977	2	7	10	45	0
3,597	1977	2	7	11	0	0
3,598	1977	2	7	11	15	0
3,599	1977	2	7	11	30	0
3,600	1977	2	7	11	45	0
3,601	1977	2	7	12	0	0
3,602	1977	2	7	12	15	0
3,603	1977	2	7	12	30	0
3,604	1977	2	7	12	45	0
3,605	1977	2	7	13	0	0
3,606	1977	2	7	13	15	0
3,607	1977	2	7	13	30	0
3,608	1977	2	7	13	45	0
3,609	1977	2	7	14	0	0
3,610	1977	2	7	14	15	0
3,611	1977	2	7	14	30	0
3,612	1977	2	7	14	45	0
3,613	1977	2	7	15	0	0
3,614	1977	2	7	15	15	0
3,615	1977	2	7	15	30	0
3,616	1977	2	7	15	45	0
3,617	1977	2	7	16	0	0
3,618	1977	2	7	16	15	0
3,619	1977	2	7	16	30	0
3,620	1977	2	7	16	45	0
3,621	1977	2	7	17	0	0
3,622	1977	2	7	17	15	0
3,623	1977	2	7	17	30	0
3,624	1977	2	7	17	45	0
3,625	1977	2	7	18	0	0
3,626	1977	2	7	18	15	0
3,627	1977	2	7	18	30	0
3,628	1977	2	7	18	45	0
3,629	1977	2	7	19	0	0
3,630	1977	2	7	19	15	0
3,631	1977	2	7	19	30	0
3,632	1977	2	7	19	45	0
3,633	1977	2	7	20	0	0
3,634	1977	2	7	20	15	0
3,635	1977	2	7	20	30	0
3,636	1977	2	7	20	45	0
3,637	1977	2	7	21	0	0
3,638	1977	2	7	21	15	0
3,639	1977	2	7	21	30	0
3,640	1977	2	7	21	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
3,641	1977	2	7	22	0	0
3,642	1977	2	7	22	15	0
3,643	1977	2	7	22	30	0
3,644	1977	2	7	22	45	0
3,645	1977	2	7	23	0	0
3,646	1977	2	7	23	15	0
3,647	1977	2	7	23	30	0
3,648	1977	2	7	23	45	0
3,649	1977	2	8	0	0	0
3,650	1977	2	8	0	15	0
3,651	1977	2	8	0	30	0
3,652	1977	2	8	0	45	0
3,653	1977	2	8	1	0	0
3,654	1977	2	8	1	15	0
3,655	1977	2	8	1	30	0
3,656	1977	2	8	1	45	0
3,657	1977	2	8	2	0	0
3,658	1977	2	8	2	15	0
3,659	1977	2	8	2	30	0
3,660	1977	2	8	2	45	0
3,661	1977	2	8	3	0	0
3,662	1977	2	8	3	15	0
3,663	1977	2	8	3	30	0
3,664	1977	2	8	3	45	0
3,665	1977	2	8	4	0	0
3,666	1977	2	8	4	15	0
3,667	1977	2	8	4	30	0
3,668	1977	2	8	4	45	0
3,669	1977	2	8	5	0	0
3,670	1977	2	8	5	15	0
3,671	1977	2	8	5	30	0
3,672	1977	2	8	5	45	0
3,673	1977	2	8	6	0	0
3,674	1977	2	8	6	15	0
3,675	1977	2	8	6	30	0
3,676	1977	2	8	6	45	0
3,677	1977	2	8	7	0	0
3,678	1977	2	8	7	15	0
3,679	1977	2	8	7	30	0
3,680	1977	2	8	7	45	0
3,681	1977	2	8	8	0	0
3,682	1977	2	8	8	15	0
3,683	1977	2	8	8	30	0
3,684	1977	2	8	8	45	0
3,685	1977	2	8	9	0	0
3,686	1977	2	8	9	15	0
3,687	1977	2	8	9	30	0
3,688	1977	2	8	9	45	0
3,689	1977	2	8	10	0	0
3,690	1977	2	8	10	15	0
3,691	1977	2	8	10	30	0
3,692	1977	2	8	10	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
3,693	1977	2	8	11	0	0
3,694	1977	2	8	11	15	0
3,695	1977	2	8	11	30	0
3,696	1977	2	8	11	45	0
3,697	1977	2	8	12	0	0.0525
3,698	1977	2	8	12	15	0.0525
3,699	1977	2	8	12	30	0.0525
3,700	1977	2	8	12	45	0.0525
3,701	1977	2	8	13	0	0
3,702	1977	2	8	13	15	0
3,703	1977	2	8	13	30	0
3,704	1977	2	8	13	45	0
3,705	1977	2	8	14	0	0
3,706	1977	2	8	14	15	0
3,707	1977	2	8	14	30	0
3,708	1977	2	8	14	45	0
3,709	1977	2	8	15	0	0
3,710	1977	2	8	15	15	0
3,711	1977	2	8	15	30	0
3,712	1977	2	8	15	45	0
3,713	1977	2	8	16	0	0
3,714	1977	2	8	16	15	0
3,715	1977	2	8	16	30	0
3,716	1977	2	8	16	45	0
3,717	1977	2	8	17	0	0
3,718	1977	2	8	17	15	0
3,719	1977	2	8	17	30	0
3,720	1977	2	8	17	45	0
3,721	1977	2	8	18	0	0
3,722	1977	2	8	18	15	0
3,723	1977	2	8	18	30	0
3,724	1977	2	8	18	45	0
3,725	1977	2	8	19	0	0
3,726	1977	2	8	19	15	0
3,727	1977	2	8	19	30	0
3,728	1977	2	8	19	45	0
3,729	1977	2	8	20	0	0
3,730	1977	2	8	20	15	0
3,731	1977	2	8	20	30	0
3,732	1977	2	8	20	45	0
3,733	1977	2	8	21	0	0
3,734	1977	2	8	21	15	0
3,735	1977	2	8	21	30	0
3,736	1977	2	8	21	45	0
3,737	1977	2	8	22	0	0
3,738	1977	2	8	22	15	0
3,739	1977	2	8	22	30	0
3,740	1977	2	8	22	45	0
3,741	1977	2	8	23	0	0
3,742	1977	2	8	23	15	0
3,743	1977	2	8	23	30	0
3,744	1977	2	8	23	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
3,745	1977	2	9	0	0	0
3,746	1977	2	9	0	15	0
3,747	1977	2	9	0	30	0
3,748	1977	2	9	0	45	0
3,749	1977	2	9	1	0	0
3,750	1977	2	9	1	15	0
3,751	1977	2	9	1	30	0
3,752	1977	2	9	1	45	0
3,753	1977	2	9	2	0	0
3,754	1977	2	9	2	15	0
3,755	1977	2	9	2	30	0
3,756	1977	2	9	2	45	0
3,757	1977	2	9	3	0	0
3,758	1977	2	9	3	15	0
3,759	1977	2	9	3	30	0
3,760	1977	2	9	3	45	0
3,761	1977	2	9	4	0	0
3,762	1977	2	9	4	15	0
3,763	1977	2	9	4	30	0
3,764	1977	2	9	4	45	0
3,765	1977	2	9	5	0	0
3,766	1977	2	9	5	15	0
3,767	1977	2	9	5	30	0
3,768	1977	2	9	5	45	0
3,769	1977	2	9	6	0	0
3,770	1977	2	9	6	15	0
3,771	1977	2	9	6	30	0
3,772	1977	2	9	6	45	0
3,773	1977	2	9	7	0	0
3,774	1977	2	9	7	15	0
3,775	1977	2	9	7	30	0
3,776	1977	2	9	7	45	0
3,777	1977	2	9	8	0	0
3,778	1977	2	9	8	15	0
3,779	1977	2	9	8	30	0
3,780	1977	2	9	8	45	0
3,781	1977	2	9	9	0	0
3,782	1977	2	9	9	15	0
3,783	1977	2	9	9	30	0
3,784	1977	2	9	9	45	0
3,785	1977	2	9	10	0	0
3,786	1977	2	9	10	15	0
3,787	1977	2	9	10	30	0
3,788	1977	2	9	10	45	0
3,789	1977	2	9	11	0	0
3,790	1977	2	9	11	15	0
3,791	1977	2	9	11	30	0
3,792	1977	2	9	11	45	0
3,793	1977	2	9	12	0	0
3,794	1977	2	9	12	15	0
3,795	1977	2	9	12	30	0
3,796	1977	2	9	12	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
3,797	1977	2	9	13	0	0
3,798	1977	2	9	13	15	0
3,799	1977	2	9	13	30	0
3,800	1977	2	9	13	45	0
3,801	1977	2	9	14	0	0
3,802	1977	2	9	14	15	0
3,803	1977	2	9	14	30	0
3,804	1977	2	9	14	45	0
3,805	1977	2	9	15	0	0
3,806	1977	2	9	15	15	0
3,807	1977	2	9	15	30	0
3,808	1977	2	9	15	45	0
3,809	1977	2	9	16	0	0
3,810	1977	2	9	16	15	0
3,811	1977	2	9	16	30	0
3,812	1977	2	9	16	45	0
3,813	1977	2	9	17	0	0
3,814	1977	2	9	17	15	0
3,815	1977	2	9	17	30	0
3,816	1977	2	9	17	45	0
3,817	1977	2	9	18	0	0
3,818	1977	2	9	18	15	0
3,819	1977	2	9	18	30	0
3,820	1977	2	9	18	45	0
3,821	1977	2	9	19	0	0
3,822	1977	2	9	19	15	0
3,823	1977	2	9	19	30	0
3,824	1977	2	9	19	45	0
3,825	1977	2	9	20	0	0
3,826	1977	2	9	20	15	0
3,827	1977	2	9	20	30	0
3,828	1977	2	9	20	45	0
3,829	1977	2	9	21	0	0
3,830	1977	2	9	21	15	0
3,831	1977	2	9	21	30	0
3,832	1977	2	9	21	45	0
3,833	1977	2	9	22	0	0
3,834	1977	2	9	22	15	0
3,835	1977	2	9	22	30	0
3,836	1977	2	9	22	45	0
3,837	1977	2	9	23	0	0
3,838	1977	2	9	23	15	0
3,839	1977	2	9	23	30	0
3,840	1977	2	9	23	45	0
3,841	1977	2	10	0	0	0
3,842	1977	2	10	0	15	0
3,843	1977	2	10	0	30	0
3,844	1977	2	10	0	45	0
3,845	1977	2	10	1	0	0
3,846	1977	2	10	1	15	0
3,847	1977	2	10	1	30	0
3,848	1977	2	10	1	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
3,849	1977	2	10	2	0	0
3,850	1977	2	10	2	15	0
3,851	1977	2	10	2	30	0
3,852	1977	2	10	2	45	0
3,853	1977	2	10	3	0	0
3,854	1977	2	10	3	15	0
3,855	1977	2	10	3	30	0
3,856	1977	2	10	3	45	0
3,857	1977	2	10	4	0	0
3,858	1977	2	10	4	15	0
3,859	1977	2	10	4	30	0
3,860	1977	2	10	4	45	0
3,861	1977	2	10	5	0	0
3,862	1977	2	10	5	15	0
3,863	1977	2	10	5	30	0
3,864	1977	2	10	5	45	0
3,865	1977	2	10	6	0	0
3,866	1977	2	10	6	15	0
3,867	1977	2	10	6	30	0
3,868	1977	2	10	6	45	0
3,869	1977	2	10	7	0	0
3,870	1977	2	10	7	15	0
3,871	1977	2	10	7	30	0
3,872	1977	2	10	7	45	0
3,873	1977	2	10	8	0	0
3,874	1977	2	10	8	15	0
3,875	1977	2	10	8	30	0
3,876	1977	2	10	8	45	0
3,877	1977	2	10	9	0	0
3,878	1977	2	10	9	15	0
3,879	1977	2	10	9	30	0
3,880	1977	2	10	9	45	0
3,881	1977	2	10	10	0	0
3,882	1977	2	10	10	15	0
3,883	1977	2	10	10	30	0
3,884	1977	2	10	10	45	0
3,885	1977	2	10	11	0	0
3,886	1977	2	10	11	15	0
3,887	1977	2	10	11	30	0
3,888	1977	2	10	11	45	0
3,889	1977	2	10	12	0	0
3,890	1977	2	10	12	15	0
3,891	1977	2	10	12	30	0
3,892	1977	2	10	12	45	0
3,893	1977	2	10	13	0	0
3,894	1977	2	10	13	15	0
3,895	1977	2	10	13	30	0
3,896	1977	2	10	13	45	0
3,897	1977	2	10	14	0	0
3,898	1977	2	10	14	15	0
3,899	1977	2	10	14	30	0
3,900	1977	2	10	14	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
3,901	1977	2	10	15	0	0
3,902	1977	2	10	15	15	0
3,903	1977	2	10	15	30	0
3,904	1977	2	10	15	45	0
3,905	1977	2	10	16	0	0
3,906	1977	2	10	16	15	0
3,907	1977	2	10	16	30	0
3,908	1977	2	10	16	45	0
3,909	1977	2	10	17	0	0
3,910	1977	2	10	17	15	0
3,911	1977	2	10	17	30	0
3,912	1977	2	10	17	45	0
3,913	1977	2	10	18	0	0
3,914	1977	2	10	18	15	0
3,915	1977	2	10	18	30	0
3,916	1977	2	10	18	45	0
3,917	1977	2	10	19	0	0
3,918	1977	2	10	19	15	0
3,919	1977	2	10	19	30	0
3,920	1977	2	10	19	45	0
3,921	1977	2	10	20	0	0
3,922	1977	2	10	20	15	0
3,923	1977	2	10	20	30	0
3,924	1977	2	10	20	45	0
3,925	1977	2	10	21	0	0
3,926	1977	2	10	21	15	0
3,927	1977	2	10	21	30	0
3,928	1977	2	10	21	45	0
3,929	1977	2	10	22	0	0
3,930	1977	2	10	22	15	0
3,931	1977	2	10	22	30	0
3,932	1977	2	10	22	45	0
3,933	1977	2	10	23	0	0
3,934	1977	2	10	23	15	0
3,935	1977	2	10	23	30	0
3,936	1977	2	10	23	45	0
3,937	1977	2	11	0	0	0
3,938	1977	2	11	0	15	0
3,939	1977	2	11	0	30	0
3,940	1977	2	11	0	45	0
3,941	1977	2	11	1	0	0
3,942	1977	2	11	1	15	0
3,943	1977	2	11	1	30	0
3,944	1977	2	11	1	45	0
3,945	1977	2	11	2	0	0
3,946	1977	2	11	2	15	0
3,947	1977	2	11	2	30	0
3,948	1977	2	11	2	45	0
3,949	1977	2	11	3	0	0
3,950	1977	2	11	3	15	0
3,951	1977	2	11	3	30	0
3,952	1977	2	11	3	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
3,953	1977	2	11	4	0	0
3,954	1977	2	11	4	15	0
3,955	1977	2	11	4	30	0
3,956	1977	2	11	4	45	0
3,957	1977	2	11	5	0	0
3,958	1977	2	11	5	15	0
3,959	1977	2	11	5	30	0
3,960	1977	2	11	5	45	0
3,961	1977	2	11	6	0	0
3,962	1977	2	11	6	15	0
3,963	1977	2	11	6	30	0
3,964	1977	2	11	6	45	0
3,965	1977	2	11	7	0	0
3,966	1977	2	11	7	15	0
3,967	1977	2	11	7	30	0
3,968	1977	2	11	7	45	0
3,969	1977	2	11	8	0	0
3,970	1977	2	11	8	15	0
3,971	1977	2	11	8	30	0
3,972	1977	2	11	8	45	0
3,973	1977	2	11	9	0	0
3,974	1977	2	11	9	15	0
3,975	1977	2	11	9	30	0
3,976	1977	2	11	9	45	0
3,977	1977	2	11	10	0	0
3,978	1977	2	11	10	15	0
3,979	1977	2	11	10	30	0
3,980	1977	2	11	10	45	0
3,981	1977	2	11	11	0	0
3,982	1977	2	11	11	15	0
3,983	1977	2	11	11	30	0
3,984	1977	2	11	11	45	0
3,985	1977	2	11	12	0	0
3,986	1977	2	11	12	15	0
3,987	1977	2	11	12	30	0
3,988	1977	2	11	12	45	0
3,989	1977	2	11	13	0	0
3,990	1977	2	11	13	15	0
3,991	1977	2	11	13	30	0
3,992	1977	2	11	13	45	0
3,993	1977	2	11	14	0	0
3,994	1977	2	11	14	15	0
3,995	1977	2	11	14	30	0
3,996	1977	2	11	14	45	0
3,997	1977	2	11	15	0	0
3,998	1977	2	11	15	15	0
3,999	1977	2	11	15	30	0
4,000	1977	2	11	15	45	0
4,001	1977	2	11	16	0	0
4,002	1977	2	11	16	15	0
4,003	1977	2	11	16	30	0
4,004	1977	2	11	16	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
4,005	1977	2	11	17	0	0
4,006	1977	2	11	17	15	0
4,007	1977	2	11	17	30	0
4,008	1977	2	11	17	45	0
4,009	1977	2	11	18	0	0
4,010	1977	2	11	18	15	0
4,011	1977	2	11	18	30	0
4,012	1977	2	11	18	45	0
4,013	1977	2	11	19	0	0
4,014	1977	2	11	19	15	0
4,015	1977	2	11	19	30	0
4,016	1977	2	11	19	45	0
4,017	1977	2	11	20	0	0
4,018	1977	2	11	20	15	0
4,019	1977	2	11	20	30	0
4,020	1977	2	11	20	45	0
4,021	1977	2	11	21	0	0
4,022	1977	2	11	21	15	0
4,023	1977	2	11	21	30	0
4,024	1977	2	11	21	45	0
4,025	1977	2	11	22	0	0
4,026	1977	2	11	22	15	0
4,027	1977	2	11	22	30	0
4,028	1977	2	11	22	45	0
4,029	1977	2	11	23	0	0
4,030	1977	2	11	23	15	0
4,031	1977	2	11	23	30	0
4,032	1977	2	11	23	45	0
4,033	1977	2	12	0	0	0
4,034	1977	2	12	0	15	0
4,035	1977	2	12	0	30	0
4,036	1977	2	12	0	45	0
4,037	1977	2	12	1	0	0
4,038	1977	2	12	1	15	0
4,039	1977	2	12	1	30	0
4,040	1977	2	12	1	45	0
4,041	1977	2	12	2	0	0
4,042	1977	2	12	2	15	0
4,043	1977	2	12	2	30	0
4,044	1977	2	12	2	45	0
4,045	1977	2	12	3	0	0
4,046	1977	2	12	3	15	0
4,047	1977	2	12	3	30	0
4,048	1977	2	12	3	45	0
4,049	1977	2	12	4	0	0
4,050	1977	2	12	4	15	0
4,051	1977	2	12	4	30	0
4,052	1977	2	12	4	45	0
4,053	1977	2	12	5	0	0
4,054	1977	2	12	5	15	0
4,055	1977	2	12	5	30	0
4,056	1977	2	12	5	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
4,057	1977	2	12	6	0	0
4,058	1977	2	12	6	15	0
4,059	1977	2	12	6	30	0
4,060	1977	2	12	6	45	0
4,061	1977	2	12	7	0	0
4,062	1977	2	12	7	15	0
4,063	1977	2	12	7	30	0
4,064	1977	2	12	7	45	0
4,065	1977	2	12	8	0	0
4,066	1977	2	12	8	15	0
4,067	1977	2	12	8	30	0
4,068	1977	2	12	8	45	0
4,069	1977	2	12	9	0	0
4,070	1977	2	12	9	15	0
4,071	1977	2	12	9	30	0
4,072	1977	2	12	9	45	0
4,073	1977	2	12	10	0	0
4,074	1977	2	12	10	15	0
4,075	1977	2	12	10	30	0
4,076	1977	2	12	10	45	0
4,077	1977	2	12	11	0	0
4,078	1977	2	12	11	15	0
4,079	1977	2	12	11	30	0
4,080	1977	2	12	11	45	0
4,081	1977	2	12	12	0	0
4,082	1977	2	12	12	15	0
4,083	1977	2	12	12	30	0
4,084	1977	2	12	12	45	0
4,085	1977	2	12	13	0	0
4,086	1977	2	12	13	15	0
4,087	1977	2	12	13	30	0
4,088	1977	2	12	13	45	0
4,089	1977	2	12	14	0	0.0025
4,090	1977	2	12	14	15	0.0025
4,091	1977	2	12	14	30	0.0025
4,092	1977	2	12	14	45	0.0025
4,093	1977	2	12	15	0	0.01
4,094	1977	2	12	15	15	0.01
4,095	1977	2	12	15	30	0.01
4,096	1977	2	12	15	45	0.01
4,097	1977	2	12	16	0	0.0125
4,098	1977	2	12	16	15	0.0125
4,099	1977	2	12	16	30	0.0125
4,100	1977	2	12	16	45	0.0125
4,101	1977	2	12	17	0	0.0075
4,102	1977	2	12	17	15	0.0075
4,103	1977	2	12	17	30	0.0075
4,104	1977	2	12	17	45	0.0075
4,105	1977	2	12	18	0	0
4,106	1977	2	12	18	15	0
4,107	1977	2	12	18	30	0
4,108	1977	2	12	18	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
4,109	1977	2	12	19	0	0.0025
4,110	1977	2	12	19	15	0.0025
4,111	1977	2	12	19	30	0.0025
4,112	1977	2	12	19	45	0.0025
4,113	1977	2	12	20	0	0.005
4,114	1977	2	12	20	15	0.005
4,115	1977	2	12	20	30	0.005
4,116	1977	2	12	20	45	0.005
4,117	1977	2	12	21	0	0
4,118	1977	2	12	21	15	0
4,119	1977	2	12	21	30	0
4,120	1977	2	12	21	45	0
4,121	1977	2	12	22	0	0.0025
4,122	1977	2	12	22	15	0.0025
4,123	1977	2	12	22	30	0.0025
4,124	1977	2	12	22	45	0.0025
4,125	1977	2	12	23	0	0
4,126	1977	2	12	23	15	0
4,127	1977	2	12	23	30	0
4,128	1977	2	12	23	45	0
4,129	1977	2	13	0	0	0.005
4,130	1977	2	13	0	15	0.005
4,131	1977	2	13	0	30	0.005
4,132	1977	2	13	0	45	0.005
4,133	1977	2	13	1	0	0
4,134	1977	2	13	1	15	0
4,135	1977	2	13	1	30	0
4,136	1977	2	13	1	45	0
4,137	1977	2	13	2	0	0
4,138	1977	2	13	2	15	0
4,139	1977	2	13	2	30	0
4,140	1977	2	13	2	45	0
4,141	1977	2	13	3	0	0
4,142	1977	2	13	3	15	0
4,143	1977	2	13	3	30	0
4,144	1977	2	13	3	45	0
4,145	1977	2	13	4	0	0
4,146	1977	2	13	4	15	0
4,147	1977	2	13	4	30	0
4,148	1977	2	13	4	45	0
4,149	1977	2	13	5	0	0
4,150	1977	2	13	5	15	0
4,151	1977	2	13	5	30	0
4,152	1977	2	13	5	45	0
4,153	1977	2	13	6	0	0
4,154	1977	2	13	6	15	0
4,155	1977	2	13	6	30	0
4,156	1977	2	13	6	45	0
4,157	1977	2	13	7	0	0
4,158	1977	2	13	7	15	0
4,159	1977	2	13	7	30	0
4,160	1977	2	13	7	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
4,161	1977	2	13	8	0	0
4,162	1977	2	13	8	15	0
4,163	1977	2	13	8	30	0
4,164	1977	2	13	8	45	0
4,165	1977	2	13	9	0	0
4,166	1977	2	13	9	15	0
4,167	1977	2	13	9	30	0
4,168	1977	2	13	9	45	0
4,169	1977	2	13	10	0	0
4,170	1977	2	13	10	15	0
4,171	1977	2	13	10	30	0
4,172	1977	2	13	10	45	0
4,173	1977	2	13	11	0	0
4,174	1977	2	13	11	15	0
4,175	1977	2	13	11	30	0
4,176	1977	2	13	11	45	0
4,177	1977	2	13	12	0	0
4,178	1977	2	13	12	15	0
4,179	1977	2	13	12	30	0
4,180	1977	2	13	12	45	0
4,181	1977	2	13	13	0	0
4,182	1977	2	13	13	15	0
4,183	1977	2	13	13	30	0
4,184	1977	2	13	13	45	0
4,185	1977	2	13	14	0	0.005
4,186	1977	2	13	14	15	0.005
4,187	1977	2	13	14	30	0.005
4,188	1977	2	13	14	45	0.005
4,189	1977	2	13	15	0	0
4,190	1977	2	13	15	15	0
4,191	1977	2	13	15	30	0
4,192	1977	2	13	15	45	0
4,193	1977	2	13	16	0	0
4,194	1977	2	13	16	15	0
4,195	1977	2	13	16	30	0
4,196	1977	2	13	16	45	0
4,197	1977	2	13	17	0	0
4,198	1977	2	13	17	15	0
4,199	1977	2	13	17	30	0
4,200	1977	2	13	17	45	0
4,201	1977	2	13	18	0	0
4,202	1977	2	13	18	15	0
4,203	1977	2	13	18	30	0
4,204	1977	2	13	18	45	0
4,205	1977	2	13	19	0	0
4,206	1977	2	13	19	15	0
4,207	1977	2	13	19	30	0
4,208	1977	2	13	19	45	0
4,209	1977	2	13	20	0	0
4,210	1977	2	13	20	15	0
4,211	1977	2	13	20	30	0
4,212	1977	2	13	20	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
4,213	1977	2	13	21	0	0
4,214	1977	2	13	21	15	0
4,215	1977	2	13	21	30	0
4,216	1977	2	13	21	45	0
4,217	1977	2	13	22	0	0
4,218	1977	2	13	22	15	0
4,219	1977	2	13	22	30	0
4,220	1977	2	13	22	45	0
4,221	1977	2	13	23	0	0
4,222	1977	2	13	23	15	0
4,223	1977	2	13	23	30	0
4,224	1977	2	13	23	45	0
4,225	1977	2	14	0	0	0
4,226	1977	2	14	0	15	0
4,227	1977	2	14	0	30	0
4,228	1977	2	14	0	45	0
4,229	1977	2	14	1	0	0
4,230	1977	2	14	1	15	0
4,231	1977	2	14	1	30	0
4,232	1977	2	14	1	45	0
4,233	1977	2	14	2	0	0
4,234	1977	2	14	2	15	0
4,235	1977	2	14	2	30	0
4,236	1977	2	14	2	45	0
4,237	1977	2	14	3	0	0
4,238	1977	2	14	3	15	0
4,239	1977	2	14	3	30	0
4,240	1977	2	14	3	45	0
4,241	1977	2	14	4	0	0
4,242	1977	2	14	4	15	0
4,243	1977	2	14	4	30	0
4,244	1977	2	14	4	45	0
4,245	1977	2	14	5	0	0
4,246	1977	2	14	5	15	0
4,247	1977	2	14	5	30	0
4,248	1977	2	14	5	45	0
4,249	1977	2	14	6	0	0
4,250	1977	2	14	6	15	0
4,251	1977	2	14	6	30	0
4,252	1977	2	14	6	45	0
4,253	1977	2	14	7	0	0
4,254	1977	2	14	7	15	0
4,255	1977	2	14	7	30	0
4,256	1977	2	14	7	45	0
4,257	1977	2	14	8	0	0
4,258	1977	2	14	8	15	0
4,259	1977	2	14	8	30	0
4,260	1977	2	14	8	45	0
4,261	1977	2	14	9	0	0
4,262	1977	2	14	9	15	0
4,263	1977	2	14	9	30	0
4,264	1977	2	14	9	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
4,265	1977	2	14	10	0	0
4,266	1977	2	14	10	15	0
4,267	1977	2	14	10	30	0
4,268	1977	2	14	10	45	0
4,269	1977	2	14	11	0	0
4,270	1977	2	14	11	15	0
4,271	1977	2	14	11	30	0
4,272	1977	2	14	11	45	0
4,273	1977	2	14	12	0	0.005
4,274	1977	2	14	12	15	0.005
4,275	1977	2	14	12	30	0.005
4,276	1977	2	14	12	45	0.005
4,277	1977	2	14	13	0	0.0025
4,278	1977	2	14	13	15	0.0025
4,279	1977	2	14	13	30	0.0025
4,280	1977	2	14	13	45	0.0025
4,281	1977	2	14	14	0	0
4,282	1977	2	14	14	15	0
4,283	1977	2	14	14	30	0
4,284	1977	2	14	14	45	0
4,285	1977	2	14	15	0	0
4,286	1977	2	14	15	15	0
4,287	1977	2	14	15	30	0
4,288	1977	2	14	15	45	0
4,289	1977	2	14	16	0	0.0025
4,290	1977	2	14	16	15	0.0025
4,291	1977	2	14	16	30	0.0025
4,292	1977	2	14	16	45	0.0025
4,293	1977	2	14	17	0	0
4,294	1977	2	14	17	15	0
4,295	1977	2	14	17	30	0
4,296	1977	2	14	17	45	0
4,297	1977	2	14	18	0	0
4,298	1977	2	14	18	15	0
4,299	1977	2	14	18	30	0
4,300	1977	2	14	18	45	0
4,301	1977	2	14	19	0	0
4,302	1977	2	14	19	15	0
4,303	1977	2	14	19	30	0
4,304	1977	2	14	19	45	0
4,305	1977	2	14	20	0	0
4,306	1977	2	14	20	15	0
4,307	1977	2	14	20	30	0
4,308	1977	2	14	20	45	0
4,309	1977	2	14	21	0	0
4,310	1977	2	14	21	15	0
4,311	1977	2	14	21	30	0
4,312	1977	2	14	21	45	0
4,313	1977	2	14	22	0	0
4,314	1977	2	14	22	15	0
4,315	1977	2	14	22	30	0
4,316	1977	2	14	22	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
4,317	1977	2	14	23	0	0.0025
4,318	1977	2	14	23	15	0.0025
4,319	1977	2	14	23	30	0.0025
4,320	1977	2	14	23	45	0.0025
4,321	1977	2	15	0	0	0
4,322	1977	2	15	0	15	0
4,323	1977	2	15	0	30	0
4,324	1977	2	15	0	45	0
4,325	1977	2	15	1	0	0
4,326	1977	2	15	1	15	0
4,327	1977	2	15	1	30	0
4,328	1977	2	15	1	45	0
4,329	1977	2	15	2	0	0
4,330	1977	2	15	2	15	0
4,331	1977	2	15	2	30	0
4,332	1977	2	15	2	45	0
4,333	1977	2	15	3	0	0.0025
4,334	1977	2	15	3	15	0.0025
4,335	1977	2	15	3	30	0.0025
4,336	1977	2	15	3	45	0.0025
4,337	1977	2	15	4	0	0
4,338	1977	2	15	4	15	0
4,339	1977	2	15	4	30	0
4,340	1977	2	15	4	45	0
4,341	1977	2	15	5	0	0
4,342	1977	2	15	5	15	0
4,343	1977	2	15	5	30	0
4,344	1977	2	15	5	45	0
4,345	1977	2	15	6	0	0.0025
4,346	1977	2	15	6	15	0.0025
4,347	1977	2	15	6	30	0.0025
4,348	1977	2	15	6	45	0.0025
4,349	1977	2	15	7	0	0.0025
4,350	1977	2	15	7	15	0.0025
4,351	1977	2	15	7	30	0.0025
4,352	1977	2	15	7	45	0.0025
4,353	1977	2	15	8	0	0.0025
4,354	1977	2	15	8	15	0.0025
4,355	1977	2	15	8	30	0.0025
4,356	1977	2	15	8	45	0.0025
4,357	1977	2	15	9	0	0.0025
4,358	1977	2	15	9	15	0.0025
4,359	1977	2	15	9	30	0.0025
4,360	1977	2	15	9	45	0.0025
4,361	1977	2	15	10	0	0.0025
4,362	1977	2	15	10	15	0.0025
4,363	1977	2	15	10	30	0.0025
4,364	1977	2	15	10	45	0.0025
4,365	1977	2	15	11	0	0.0025
4,366	1977	2	15	11	15	0.0025
4,367	1977	2	15	11	30	0.0025
4,368	1977	2	15	11	45	0.0025

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
4,369	1977	2	15	12	0	0
4,370	1977	2	15	12	15	0
4,371	1977	2	15	12	30	0
4,372	1977	2	15	12	45	0
4,373	1977	2	15	13	0	0
4,374	1977	2	15	13	15	0
4,375	1977	2	15	13	30	0
4,376	1977	2	15	13	45	0
4,377	1977	2	15	14	0	0
4,378	1977	2	15	14	15	0
4,379	1977	2	15	14	30	0
4,380	1977	2	15	14	45	0
4,381	1977	2	15	15	0	0
4,382	1977	2	15	15	15	0
4,383	1977	2	15	15	30	0
4,384	1977	2	15	15	45	0
4,385	1977	2	15	16	0	0
4,386	1977	2	15	16	15	0
4,387	1977	2	15	16	30	0
4,388	1977	2	15	16	45	0
4,389	1977	2	15	17	0	0
4,390	1977	2	15	17	15	0
4,391	1977	2	15	17	30	0
4,392	1977	2	15	17	45	0
4,393	1977	2	15	18	0	0
4,394	1977	2	15	18	15	0
4,395	1977	2	15	18	30	0
4,396	1977	2	15	18	45	0
4,397	1977	2	15	19	0	0
4,398	1977	2	15	19	15	0
4,399	1977	2	15	19	30	0
4,400	1977	2	15	19	45	0
4,401	1977	2	15	20	0	0
4,402	1977	2	15	20	15	0
4,403	1977	2	15	20	30	0
4,404	1977	2	15	20	45	0
4,405	1977	2	15	21	0	0
4,406	1977	2	15	21	15	0
4,407	1977	2	15	21	30	0
4,408	1977	2	15	21	45	0
4,409	1977	2	15	22	0	0
4,410	1977	2	15	22	15	0
4,411	1977	2	15	22	30	0
4,412	1977	2	15	22	45	0
4,413	1977	2	15	23	0	0
4,414	1977	2	15	23	15	0
4,415	1977	2	15	23	30	0
4,416	1977	2	15	23	45	0
4,417	1977	2	16	0	0	0.0025
4,418	1977	2	16	0	15	0.0025
4,419	1977	2	16	0	30	0.0025
4,420	1977	2	16	0	45	0.0025

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
4,421	1977	2	16	1	0	0
4,422	1977	2	16	1	15	0
4,423	1977	2	16	1	30	0
4,424	1977	2	16	1	45	0
4,425	1977	2	16	2	0	0
4,426	1977	2	16	2	15	0
4,427	1977	2	16	2	30	0
4,428	1977	2	16	2	45	0
4,429	1977	2	16	3	0	0
4,430	1977	2	16	3	15	0
4,431	1977	2	16	3	30	0
4,432	1977	2	16	3	45	0
4,433	1977	2	16	4	0	0
4,434	1977	2	16	4	15	0
4,435	1977	2	16	4	30	0
4,436	1977	2	16	4	45	0
4,437	1977	2	16	5	0	0
4,438	1977	2	16	5	15	0
4,439	1977	2	16	5	30	0
4,440	1977	2	16	5	45	0
4,441	1977	2	16	6	0	0
4,442	1977	2	16	6	15	0
4,443	1977	2	16	6	30	0
4,444	1977	2	16	6	45	0
4,445	1977	2	16	7	0	0
4,446	1977	2	16	7	15	0
4,447	1977	2	16	7	30	0
4,448	1977	2	16	7	45	0
4,449	1977	2	16	8	0	0
4,450	1977	2	16	8	15	0
4,451	1977	2	16	8	30	0
4,452	1977	2	16	8	45	0
4,453	1977	2	16	9	0	0
4,454	1977	2	16	9	15	0
4,455	1977	2	16	9	30	0
4,456	1977	2	16	9	45	0
4,457	1977	2	16	10	0	0
4,458	1977	2	16	10	15	0
4,459	1977	2	16	10	30	0
4,460	1977	2	16	10	45	0
4,461	1977	2	16	11	0	0
4,462	1977	2	16	11	15	0
4,463	1977	2	16	11	30	0
4,464	1977	2	16	11	45	0
4,465	1977	2	16	12	0	0
4,466	1977	2	16	12	15	0
4,467	1977	2	16	12	30	0
4,468	1977	2	16	12	45	0
4,469	1977	2	16	13	0	0
4,470	1977	2	16	13	15	0
4,471	1977	2	16	13	30	0
4,472	1977	2	16	13	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
4,473	1977	2	16	14	0	0
4,474	1977	2	16	14	15	0
4,475	1977	2	16	14	30	0
4,476	1977	2	16	14	45	0
4,477	1977	2	16	15	0	0
4,478	1977	2	16	15	15	0
4,479	1977	2	16	15	30	0
4,480	1977	2	16	15	45	0
4,481	1977	2	16	16	0	0
4,482	1977	2	16	16	15	0
4,483	1977	2	16	16	30	0
4,484	1977	2	16	16	45	0
4,485	1977	2	16	17	0	0
4,486	1977	2	16	17	15	0
4,487	1977	2	16	17	30	0
4,488	1977	2	16	17	45	0
4,489	1977	2	16	18	0	0
4,490	1977	2	16	18	15	0
4,491	1977	2	16	18	30	0
4,492	1977	2	16	18	45	0
4,493	1977	2	16	19	0	0
4,494	1977	2	16	19	15	0
4,495	1977	2	16	19	30	0
4,496	1977	2	16	19	45	0
4,497	1977	2	16	20	0	0
4,498	1977	2	16	20	15	0
4,499	1977	2	16	20	30	0
4,500	1977	2	16	20	45	0
4,501	1977	2	16	21	0	0
4,502	1977	2	16	21	15	0
4,503	1977	2	16	21	30	0
4,504	1977	2	16	21	45	0
4,505	1977	2	16	22	0	0
4,506	1977	2	16	22	15	0
4,507	1977	2	16	22	30	0
4,508	1977	2	16	22	45	0
4,509	1977	2	16	23	0	0
4,510	1977	2	16	23	15	0
4,511	1977	2	16	23	30	0
4,512	1977	2	16	23	45	0
4,513	1977	2	17	0	0	0
4,514	1977	2	17	0	15	0
4,515	1977	2	17	0	30	0
4,516	1977	2	17	0	45	0
4,517	1977	2	17	1	0	0
4,518	1977	2	17	1	15	0
4,519	1977	2	17	1	30	0
4,520	1977	2	17	1	45	0
4,521	1977	2	17	2	0	0
4,522	1977	2	17	2	15	0
4,523	1977	2	17	2	30	0
4,524	1977	2	17	2	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
4,525	1977	2	17	3	0	0
4,526	1977	2	17	3	15	0
4,527	1977	2	17	3	30	0
4,528	1977	2	17	3	45	0
4,529	1977	2	17	4	0	0
4,530	1977	2	17	4	15	0
4,531	1977	2	17	4	30	0
4,532	1977	2	17	4	45	0
4,533	1977	2	17	5	0	0
4,534	1977	2	17	5	15	0
4,535	1977	2	17	5	30	0
4,536	1977	2	17	5	45	0
4,537	1977	2	17	6	0	0
4,538	1977	2	17	6	15	0
4,539	1977	2	17	6	30	0
4,540	1977	2	17	6	45	0
4,541	1977	2	17	7	0	0
4,542	1977	2	17	7	15	0
4,543	1977	2	17	7	30	0
4,544	1977	2	17	7	45	0
4,545	1977	2	17	8	0	0
4,546	1977	2	17	8	15	0
4,547	1977	2	17	8	30	0
4,548	1977	2	17	8	45	0
4,549	1977	2	17	9	0	0
4,550	1977	2	17	9	15	0
4,551	1977	2	17	9	30	0
4,552	1977	2	17	9	45	0
4,553	1977	2	17	10	0	0
4,554	1977	2	17	10	15	0
4,555	1977	2	17	10	30	0
4,556	1977	2	17	10	45	0
4,557	1977	2	17	11	0	0
4,558	1977	2	17	11	15	0
4,559	1977	2	17	11	30	0
4,560	1977	2	17	11	45	0
4,561	1977	2	17	12	0	0
4,562	1977	2	17	12	15	0
4,563	1977	2	17	12	30	0
4,564	1977	2	17	12	45	0
4,565	1977	2	17	13	0	0
4,566	1977	2	17	13	15	0
4,567	1977	2	17	13	30	0
4,568	1977	2	17	13	45	0
4,569	1977	2	17	14	0	0
4,570	1977	2	17	14	15	0
4,571	1977	2	17	14	30	0
4,572	1977	2	17	14	45	0
4,573	1977	2	17	15	0	0
4,574	1977	2	17	15	15	0
4,575	1977	2	17	15	30	0
4,576	1977	2	17	15	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
4,577	1977	2	17	16	0	0
4,578	1977	2	17	16	15	0
4,579	1977	2	17	16	30	0
4,580	1977	2	17	16	45	0
4,581	1977	2	17	17	0	0
4,582	1977	2	17	17	15	0
4,583	1977	2	17	17	30	0
4,584	1977	2	17	17	45	0
4,585	1977	2	17	18	0	0
4,586	1977	2	17	18	15	0
4,587	1977	2	17	18	30	0
4,588	1977	2	17	18	45	0
4,589	1977	2	17	19	0	0
4,590	1977	2	17	19	15	0
4,591	1977	2	17	19	30	0
4,592	1977	2	17	19	45	0
4,593	1977	2	17	20	0	0
4,594	1977	2	17	20	15	0
4,595	1977	2	17	20	30	0
4,596	1977	2	17	20	45	0
4,597	1977	2	17	21	0	0
4,598	1977	2	17	21	15	0
4,599	1977	2	17	21	30	0
4,600	1977	2	17	21	45	0
4,601	1977	2	17	22	0	0
4,602	1977	2	17	22	15	0
4,603	1977	2	17	22	30	0
4,604	1977	2	17	22	45	0
4,605	1977	2	17	23	0	0
4,606	1977	2	17	23	15	0
4,607	1977	2	17	23	30	0
4,608	1977	2	17	23	45	0
4,609	1977	2	18	0	0	0
4,610	1977	2	18	0	15	0
4,611	1977	2	18	0	30	0
4,612	1977	2	18	0	45	0
4,613	1977	2	18	1	0	0
4,614	1977	2	18	1	15	0
4,615	1977	2	18	1	30	0
4,616	1977	2	18	1	45	0
4,617	1977	2	18	2	0	0
4,618	1977	2	18	2	15	0
4,619	1977	2	18	2	30	0
4,620	1977	2	18	2	45	0
4,621	1977	2	18	3	0	0
4,622	1977	2	18	3	15	0
4,623	1977	2	18	3	30	0
4,624	1977	2	18	3	45	0
4,625	1977	2	18	4	0	0
4,626	1977	2	18	4	15	0
4,627	1977	2	18	4	30	0
4,628	1977	2	18	4	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
4,629	1977	2	18	5	0	0
4,630	1977	2	18	5	15	0
4,631	1977	2	18	5	30	0
4,632	1977	2	18	5	45	0
4,633	1977	2	18	6	0	0
4,634	1977	2	18	6	15	0
4,635	1977	2	18	6	30	0
4,636	1977	2	18	6	45	0
4,637	1977	2	18	7	0	0
4,638	1977	2	18	7	15	0
4,639	1977	2	18	7	30	0
4,640	1977	2	18	7	45	0
4,641	1977	2	18	8	0	0
4,642	1977	2	18	8	15	0
4,643	1977	2	18	8	30	0
4,644	1977	2	18	8	45	0
4,645	1977	2	18	9	0	0
4,646	1977	2	18	9	15	0
4,647	1977	2	18	9	30	0
4,648	1977	2	18	9	45	0
4,649	1977	2	18	10	0	0
4,650	1977	2	18	10	15	0
4,651	1977	2	18	10	30	0
4,652	1977	2	18	10	45	0
4,653	1977	2	18	11	0	0
4,654	1977	2	18	11	15	0
4,655	1977	2	18	11	30	0
4,656	1977	2	18	11	45	0
4,657	1977	2	18	12	0	0
4,658	1977	2	18	12	15	0
4,659	1977	2	18	12	30	0
4,660	1977	2	18	12	45	0
4,661	1977	2	18	13	0	0
4,662	1977	2	18	13	15	0
4,663	1977	2	18	13	30	0
4,664	1977	2	18	13	45	0
4,665	1977	2	18	14	0	0
4,666	1977	2	18	14	15	0
4,667	1977	2	18	14	30	0
4,668	1977	2	18	14	45	0
4,669	1977	2	18	15	0	0
4,670	1977	2	18	15	15	0
4,671	1977	2	18	15	30	0
4,672	1977	2	18	15	45	0
4,673	1977	2	18	16	0	0
4,674	1977	2	18	16	15	0
4,675	1977	2	18	16	30	0
4,676	1977	2	18	16	45	0
4,677	1977	2	18	17	0	0
4,678	1977	2	18	17	15	0
4,679	1977	2	18	17	30	0
4,680	1977	2	18	17	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
4,681	1977	2	18	18	0	0
4,682	1977	2	18	18	15	0
4,683	1977	2	18	18	30	0
4,684	1977	2	18	18	45	0
4,685	1977	2	18	19	0	0
4,686	1977	2	18	19	15	0
4,687	1977	2	18	19	30	0
4,688	1977	2	18	19	45	0
4,689	1977	2	18	20	0	0
4,690	1977	2	18	20	15	0
4,691	1977	2	18	20	30	0
4,692	1977	2	18	20	45	0
4,693	1977	2	18	21	0	0
4,694	1977	2	18	21	15	0
4,695	1977	2	18	21	30	0
4,696	1977	2	18	21	45	0
4,697	1977	2	18	22	0	0
4,698	1977	2	18	22	15	0
4,699	1977	2	18	22	30	0
4,700	1977	2	18	22	45	0
4,701	1977	2	18	23	0	0
4,702	1977	2	18	23	15	0
4,703	1977	2	18	23	30	0
4,704	1977	2	18	23	45	0
4,705	1977	2	19	0	0	0
4,706	1977	2	19	0	15	0
4,707	1977	2	19	0	30	0
4,708	1977	2	19	0	45	0
4,709	1977	2	19	1	0	0
4,710	1977	2	19	1	15	0
4,711	1977	2	19	1	30	0
4,712	1977	2	19	1	45	0
4,713	1977	2	19	2	0	0
4,714	1977	2	19	2	15	0
4,715	1977	2	19	2	30	0
4,716	1977	2	19	2	45	0
4,717	1977	2	19	3	0	0
4,718	1977	2	19	3	15	0
4,719	1977	2	19	3	30	0
4,720	1977	2	19	3	45	0
4,721	1977	2	19	4	0	0
4,722	1977	2	19	4	15	0
4,723	1977	2	19	4	30	0
4,724	1977	2	19	4	45	0
4,725	1977	2	19	5	0	0
4,726	1977	2	19	5	15	0
4,727	1977	2	19	5	30	0
4,728	1977	2	19	5	45	0
4,729	1977	2	19	6	0	0
4,730	1977	2	19	6	15	0
4,731	1977	2	19	6	30	0
4,732	1977	2	19	6	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
4,733	1977	2	19	7	0	0
4,734	1977	2	19	7	15	0
4,735	1977	2	19	7	30	0
4,736	1977	2	19	7	45	0
4,737	1977	2	19	8	0	0
4,738	1977	2	19	8	15	0
4,739	1977	2	19	8	30	0
4,740	1977	2	19	8	45	0
4,741	1977	2	19	9	0	0
4,742	1977	2	19	9	15	0
4,743	1977	2	19	9	30	0
4,744	1977	2	19	9	45	0
4,745	1977	2	19	10	0	0
4,746	1977	2	19	10	15	0
4,747	1977	2	19	10	30	0
4,748	1977	2	19	10	45	0
4,749	1977	2	19	11	0	0
4,750	1977	2	19	11	15	0
4,751	1977	2	19	11	30	0
4,752	1977	2	19	11	45	0
4,753	1977	2	19	12	0	0
4,754	1977	2	19	12	15	0
4,755	1977	2	19	12	30	0
4,756	1977	2	19	12	45	0
4,757	1977	2	19	13	0	0
4,758	1977	2	19	13	15	0
4,759	1977	2	19	13	30	0
4,760	1977	2	19	13	45	0
4,761	1977	2	19	14	0	0
4,762	1977	2	19	14	15	0
4,763	1977	2	19	14	30	0
4,764	1977	2	19	14	45	0
4,765	1977	2	19	15	0	0
4,766	1977	2	19	15	15	0
4,767	1977	2	19	15	30	0
4,768	1977	2	19	15	45	0
4,769	1977	2	19	16	0	0
4,770	1977	2	19	16	15	0
4,771	1977	2	19	16	30	0
4,772	1977	2	19	16	45	0
4,773	1977	2	19	17	0	0
4,774	1977	2	19	17	15	0
4,775	1977	2	19	17	30	0
4,776	1977	2	19	17	45	0
4,777	1977	2	19	18	0	0
4,778	1977	2	19	18	15	0
4,779	1977	2	19	18	30	0
4,780	1977	2	19	18	45	0
4,781	1977	2	19	19	0	0
4,782	1977	2	19	19	15	0
4,783	1977	2	19	19	30	0
4,784	1977	2	19	19	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
4,785	1977	2	19	20	0	0
4,786	1977	2	19	20	15	0
4,787	1977	2	19	20	30	0
4,788	1977	2	19	20	45	0
4,789	1977	2	19	21	0	0
4,790	1977	2	19	21	15	0
4,791	1977	2	19	21	30	0
4,792	1977	2	19	21	45	0
4,793	1977	2	19	22	0	0
4,794	1977	2	19	22	15	0
4,795	1977	2	19	22	30	0
4,796	1977	2	19	22	45	0
4,797	1977	2	19	23	0	0
4,798	1977	2	19	23	15	0
4,799	1977	2	19	23	30	0
4,800	1977	2	19	23	45	0
4,801	1977	2	20	0	0	0
4,802	1977	2	20	0	15	0
4,803	1977	2	20	0	30	0
4,804	1977	2	20	0	45	0
4,805	1977	2	20	1	0	0
4,806	1977	2	20	1	15	0
4,807	1977	2	20	1	30	0
4,808	1977	2	20	1	45	0
4,809	1977	2	20	2	0	0
4,810	1977	2	20	2	15	0
4,811	1977	2	20	2	30	0
4,812	1977	2	20	2	45	0
4,813	1977	2	20	3	0	0
4,814	1977	2	20	3	15	0
4,815	1977	2	20	3	30	0
4,816	1977	2	20	3	45	0
4,817	1977	2	20	4	0	0
4,818	1977	2	20	4	15	0
4,819	1977	2	20	4	30	0
4,820	1977	2	20	4	45	0
4,821	1977	2	20	5	0	0
4,822	1977	2	20	5	15	0
4,823	1977	2	20	5	30	0
4,824	1977	2	20	5	45	0
4,825	1977	2	20	6	0	0
4,826	1977	2	20	6	15	0
4,827	1977	2	20	6	30	0
4,828	1977	2	20	6	45	0
4,829	1977	2	20	7	0	0
4,830	1977	2	20	7	15	0
4,831	1977	2	20	7	30	0
4,832	1977	2	20	7	45	0
4,833	1977	2	20	8	0	0
4,834	1977	2	20	8	15	0
4,835	1977	2	20	8	30	0
4,836	1977	2	20	8	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
4,837	1977	2	20	9	0	0
4,838	1977	2	20	9	15	0
4,839	1977	2	20	9	30	0
4,840	1977	2	20	9	45	0
4,841	1977	2	20	10	0	0
4,842	1977	2	20	10	15	0
4,843	1977	2	20	10	30	0
4,844	1977	2	20	10	45	0
4,845	1977	2	20	11	0	0
4,846	1977	2	20	11	15	0
4,847	1977	2	20	11	30	0
4,848	1977	2	20	11	45	0
4,849	1977	2	20	12	0	0
4,850	1977	2	20	12	15	0
4,851	1977	2	20	12	30	0
4,852	1977	2	20	12	45	0
4,853	1977	2	20	13	0	0
4,854	1977	2	20	13	15	0
4,855	1977	2	20	13	30	0
4,856	1977	2	20	13	45	0
4,857	1977	2	20	14	0	0
4,858	1977	2	20	14	15	0
4,859	1977	2	20	14	30	0
4,860	1977	2	20	14	45	0
4,861	1977	2	20	15	0	0
4,862	1977	2	20	15	15	0
4,863	1977	2	20	15	30	0
4,864	1977	2	20	15	45	0
4,865	1977	2	20	16	0	0
4,866	1977	2	20	16	15	0
4,867	1977	2	20	16	30	0
4,868	1977	2	20	16	45	0
4,869	1977	2	20	17	0	0
4,870	1977	2	20	17	15	0
4,871	1977	2	20	17	30	0
4,872	1977	2	20	17	45	0
4,873	1977	2	20	18	0	0.0025
4,874	1977	2	20	18	15	0.0025
4,875	1977	2	20	18	30	0.0025
4,876	1977	2	20	18	45	0.0025
4,877	1977	2	20	19	0	0
4,878	1977	2	20	19	15	0
4,879	1977	2	20	19	30	0
4,880	1977	2	20	19	45	0
4,881	1977	2	20	20	0	0
4,882	1977	2	20	20	15	0
4,883	1977	2	20	20	30	0
4,884	1977	2	20	20	45	0
4,885	1977	2	20	21	0	0.0025
4,886	1977	2	20	21	15	0.0025
4,887	1977	2	20	21	30	0.0025
4,888	1977	2	20	21	45	0.0025

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
4,889	1977	2	20	22	0	0
4,890	1977	2	20	22	15	0
4,891	1977	2	20	22	30	0
4,892	1977	2	20	22	45	0
4,893	1977	2	20	23	0	0
4,894	1977	2	20	23	15	0
4,895	1977	2	20	23	30	0
4,896	1977	2	20	23	45	0
4,897	1977	2	21	0	0	0
4,898	1977	2	21	0	15	0
4,899	1977	2	21	0	30	0
4,900	1977	2	21	0	45	0
4,901	1977	2	21	1	0	0
4,902	1977	2	21	1	15	0
4,903	1977	2	21	1	30	0
4,904	1977	2	21	1	45	0
4,905	1977	2	21	2	0	0
4,906	1977	2	21	2	15	0
4,907	1977	2	21	2	30	0
4,908	1977	2	21	2	45	0
4,909	1977	2	21	3	0	0
4,910	1977	2	21	3	15	0
4,911	1977	2	21	3	30	0
4,912	1977	2	21	3	45	0
4,913	1977	2	21	4	0	0
4,914	1977	2	21	4	15	0
4,915	1977	2	21	4	30	0
4,916	1977	2	21	4	45	0
4,917	1977	2	21	5	0	0
4,918	1977	2	21	5	15	0
4,919	1977	2	21	5	30	0
4,920	1977	2	21	5	45	0
4,921	1977	2	21	6	0	0
4,922	1977	2	21	6	15	0
4,923	1977	2	21	6	30	0
4,924	1977	2	21	6	45	0
4,925	1977	2	21	7	0	0
4,926	1977	2	21	7	15	0
4,927	1977	2	21	7	30	0
4,928	1977	2	21	7	45	0
4,929	1977	2	21	8	0	0
4,930	1977	2	21	8	15	0
4,931	1977	2	21	8	30	0
4,932	1977	2	21	8	45	0
4,933	1977	2	21	9	0	0
4,934	1977	2	21	9	15	0
4,935	1977	2	21	9	30	0
4,936	1977	2	21	9	45	0
4,937	1977	2	21	10	0	0
4,938	1977	2	21	10	15	0
4,939	1977	2	21	10	30	0
4,940	1977	2	21	10	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
4,941	1977	2	21	11	0	0
4,942	1977	2	21	11	15	0
4,943	1977	2	21	11	30	0
4,944	1977	2	21	11	45	0
4,945	1977	2	21	12	0	0
4,946	1977	2	21	12	15	0
4,947	1977	2	21	12	30	0
4,948	1977	2	21	12	45	0
4,949	1977	2	21	13	0	0
4,950	1977	2	21	13	15	0
4,951	1977	2	21	13	30	0
4,952	1977	2	21	13	45	0
4,953	1977	2	21	14	0	0
4,954	1977	2	21	14	15	0
4,955	1977	2	21	14	30	0
4,956	1977	2	21	14	45	0
4,957	1977	2	21	15	0	0
4,958	1977	2	21	15	15	0
4,959	1977	2	21	15	30	0
4,960	1977	2	21	15	45	0
4,961	1977	2	21	16	0	0
4,962	1977	2	21	16	15	0
4,963	1977	2	21	16	30	0
4,964	1977	2	21	16	45	0
4,965	1977	2	21	17	0	0
4,966	1977	2	21	17	15	0
4,967	1977	2	21	17	30	0
4,968	1977	2	21	17	45	0
4,969	1977	2	21	18	0	0
4,970	1977	2	21	18	15	0
4,971	1977	2	21	18	30	0
4,972	1977	2	21	18	45	0
4,973	1977	2	21	19	0	0
4,974	1977	2	21	19	15	0
4,975	1977	2	21	19	30	0
4,976	1977	2	21	19	45	0
4,977	1977	2	21	20	0	0
4,978	1977	2	21	20	15	0
4,979	1977	2	21	20	30	0
4,980	1977	2	21	20	45	0
4,981	1977	2	21	21	0	0
4,982	1977	2	21	21	15	0
4,983	1977	2	21	21	30	0
4,984	1977	2	21	21	45	0
4,985	1977	2	21	22	0	0
4,986	1977	2	21	22	15	0
4,987	1977	2	21	22	30	0
4,988	1977	2	21	22	45	0
4,989	1977	2	21	23	0	0
4,990	1977	2	21	23	15	0
4,991	1977	2	21	23	30	0
4,992	1977	2	21	23	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
4,993	1977	2	22	0	0	0
4,994	1977	2	22	0	15	0
4,995	1977	2	22	0	30	0
4,996	1977	2	22	0	45	0
4,997	1977	2	22	1	0	0
4,998	1977	2	22	1	15	0
4,999	1977	2	22	1	30	0
5,000	1977	2	22	1	45	0
5,001	1977	2	22	2	0	0
5,002	1977	2	22	2	15	0
5,003	1977	2	22	2	30	0
5,004	1977	2	22	2	45	0
5,005	1977	2	22	3	0	0
5,006	1977	2	22	3	15	0
5,007	1977	2	22	3	30	0
5,008	1977	2	22	3	45	0
5,009	1977	2	22	4	0	0
5,010	1977	2	22	4	15	0
5,011	1977	2	22	4	30	0
5,012	1977	2	22	4	45	0
5,013	1977	2	22	5	0	0
5,014	1977	2	22	5	15	0
5,015	1977	2	22	5	30	0
5,016	1977	2	22	5	45	0
5,017	1977	2	22	6	0	0
5,018	1977	2	22	6	15	0
5,019	1977	2	22	6	30	0
5,020	1977	2	22	6	45	0
5,021	1977	2	22	7	0	0
5,022	1977	2	22	7	15	0
5,023	1977	2	22	7	30	0
5,024	1977	2	22	7	45	0
5,025	1977	2	22	8	0	0
5,026	1977	2	22	8	15	0
5,027	1977	2	22	8	30	0
5,028	1977	2	22	8	45	0
5,029	1977	2	22	9	0	0
5,030	1977	2	22	9	15	0
5,031	1977	2	22	9	30	0
5,032	1977	2	22	9	45	0
5,033	1977	2	22	10	0	0
5,034	1977	2	22	10	15	0
5,035	1977	2	22	10	30	0
5,036	1977	2	22	10	45	0
5,037	1977	2	22	11	0	0
5,038	1977	2	22	11	15	0
5,039	1977	2	22	11	30	0
5,040	1977	2	22	11	45	0
5,041	1977	2	22	12	0	0
5,042	1977	2	22	12	15	0
5,043	1977	2	22	12	30	0
5,044	1977	2	22	12	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
5,045	1977	2	22	13	0	0
5,046	1977	2	22	13	15	0
5,047	1977	2	22	13	30	0
5,048	1977	2	22	13	45	0
5,049	1977	2	22	14	0	0
5,050	1977	2	22	14	15	0
5,051	1977	2	22	14	30	0
5,052	1977	2	22	14	45	0
5,053	1977	2	22	15	0	0
5,054	1977	2	22	15	15	0
5,055	1977	2	22	15	30	0
5,056	1977	2	22	15	45	0
5,057	1977	2	22	16	0	0
5,058	1977	2	22	16	15	0
5,059	1977	2	22	16	30	0
5,060	1977	2	22	16	45	0
5,061	1977	2	22	17	0	0
5,062	1977	2	22	17	15	0
5,063	1977	2	22	17	30	0
5,064	1977	2	22	17	45	0
5,065	1977	2	22	18	0	0
5,066	1977	2	22	18	15	0
5,067	1977	2	22	18	30	0
5,068	1977	2	22	18	45	0
5,069	1977	2	22	19	0	0
5,070	1977	2	22	19	15	0
5,071	1977	2	22	19	30	0
5,072	1977	2	22	19	45	0
5,073	1977	2	22	20	0	0
5,074	1977	2	22	20	15	0
5,075	1977	2	22	20	30	0
5,076	1977	2	22	20	45	0
5,077	1977	2	22	21	0	0
5,078	1977	2	22	21	15	0
5,079	1977	2	22	21	30	0
5,080	1977	2	22	21	45	0
5,081	1977	2	22	22	0	0
5,082	1977	2	22	22	15	0
5,083	1977	2	22	22	30	0
5,084	1977	2	22	22	45	0
5,085	1977	2	22	23	0	0
5,086	1977	2	22	23	15	0
5,087	1977	2	22	23	30	0
5,088	1977	2	22	23	45	0
5,089	1977	2	23	0	0	0
5,090	1977	2	23	0	15	0
5,091	1977	2	23	0	30	0
5,092	1977	2	23	0	45	0
5,093	1977	2	23	1	0	0
5,094	1977	2	23	1	15	0
5,095	1977	2	23	1	30	0
5,096	1977	2	23	1	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
5,097	1977	2	23	2	0	0
5,098	1977	2	23	2	15	0
5,099	1977	2	23	2	30	0
5,100	1977	2	23	2	45	0
5,101	1977	2	23	3	0	0
5,102	1977	2	23	3	15	0
5,103	1977	2	23	3	30	0
5,104	1977	2	23	3	45	0
5,105	1977	2	23	4	0	0
5,106	1977	2	23	4	15	0
5,107	1977	2	23	4	30	0
5,108	1977	2	23	4	45	0
5,109	1977	2	23	5	0	0
5,110	1977	2	23	5	15	0
5,111	1977	2	23	5	30	0
5,112	1977	2	23	5	45	0
5,113	1977	2	23	6	0	0
5,114	1977	2	23	6	15	0
5,115	1977	2	23	6	30	0
5,116	1977	2	23	6	45	0
5,117	1977	2	23	7	0	0
5,118	1977	2	23	7	15	0
5,119	1977	2	23	7	30	0
5,120	1977	2	23	7	45	0
5,121	1977	2	23	8	0	0
5,122	1977	2	23	8	15	0
5,123	1977	2	23	8	30	0
5,124	1977	2	23	8	45	0
5,125	1977	2	23	9	0	0
5,126	1977	2	23	9	15	0
5,127	1977	2	23	9	30	0
5,128	1977	2	23	9	45	0
5,129	1977	2	23	10	0	0
5,130	1977	2	23	10	15	0
5,131	1977	2	23	10	30	0
5,132	1977	2	23	10	45	0
5,133	1977	2	23	11	0	0
5,134	1977	2	23	11	15	0
5,135	1977	2	23	11	30	0
5,136	1977	2	23	11	45	0
5,137	1977	2	23	12	0	0
5,138	1977	2	23	12	15	0
5,139	1977	2	23	12	30	0
5,140	1977	2	23	12	45	0
5,141	1977	2	23	13	0	0
5,142	1977	2	23	13	15	0
5,143	1977	2	23	13	30	0
5,144	1977	2	23	13	45	0
5,145	1977	2	23	14	0	0
5,146	1977	2	23	14	15	0
5,147	1977	2	23	14	30	0
5,148	1977	2	23	14	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
5,149	1977	2	23	15	0	0
5,150	1977	2	23	15	15	0
5,151	1977	2	23	15	30	0
5,152	1977	2	23	15	45	0
5,153	1977	2	23	16	0	0
5,154	1977	2	23	16	15	0
5,155	1977	2	23	16	30	0
5,156	1977	2	23	16	45	0
5,157	1977	2	23	17	0	0
5,158	1977	2	23	17	15	0
5,159	1977	2	23	17	30	0
5,160	1977	2	23	17	45	0
5,161	1977	2	23	18	0	0
5,162	1977	2	23	18	15	0
5,163	1977	2	23	18	30	0
5,164	1977	2	23	18	45	0
5,165	1977	2	23	19	0	0
5,166	1977	2	23	19	15	0
5,167	1977	2	23	19	30	0
5,168	1977	2	23	19	45	0
5,169	1977	2	23	20	0	0
5,170	1977	2	23	20	15	0
5,171	1977	2	23	20	30	0
5,172	1977	2	23	20	45	0
5,173	1977	2	23	21	0	0
5,174	1977	2	23	21	15	0
5,175	1977	2	23	21	30	0
5,176	1977	2	23	21	45	0
5,177	1977	2	23	22	0	0
5,178	1977	2	23	22	15	0
5,179	1977	2	23	22	30	0
5,180	1977	2	23	22	45	0
5,181	1977	2	23	23	0	0
5,182	1977	2	23	23	15	0
5,183	1977	2	23	23	30	0
5,184	1977	2	23	23	45	0
5,185	1977	2	24	0	0	0
5,186	1977	2	24	0	15	0
5,187	1977	2	24	0	30	0
5,188	1977	2	24	0	45	0
5,189	1977	2	24	1	0	0
5,190	1977	2	24	1	15	0
5,191	1977	2	24	1	30	0
5,192	1977	2	24	1	45	0
5,193	1977	2	24	2	0	0
5,194	1977	2	24	2	15	0
5,195	1977	2	24	2	30	0
5,196	1977	2	24	2	45	0
5,197	1977	2	24	3	0	0
5,198	1977	2	24	3	15	0
5,199	1977	2	24	3	30	0
5,200	1977	2	24	3	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
5,201	1977	2	24	4	0	0.0075
5,202	1977	2	24	4	15	0.0075
5,203	1977	2	24	4	30	0.0075
5,204	1977	2	24	4	45	0.0075
5,205	1977	2	24	5	0	0.0025
5,206	1977	2	24	5	15	0.0025
5,207	1977	2	24	5	30	0.0025
5,208	1977	2	24	5	45	0.0025
5,209	1977	2	24	6	0	0
5,210	1977	2	24	6	15	0
5,211	1977	2	24	6	30	0
5,212	1977	2	24	6	45	0
5,213	1977	2	24	7	0	0
5,214	1977	2	24	7	15	0
5,215	1977	2	24	7	30	0
5,216	1977	2	24	7	45	0
5,217	1977	2	24	8	0	0
5,218	1977	2	24	8	15	0
5,219	1977	2	24	8	30	0
5,220	1977	2	24	8	45	0
5,221	1977	2	24	9	0	0
5,222	1977	2	24	9	15	0
5,223	1977	2	24	9	30	0
5,224	1977	2	24	9	45	0
5,225	1977	2	24	10	0	0.0475
5,226	1977	2	24	10	15	0.0475
5,227	1977	2	24	10	30	0.0475
5,228	1977	2	24	10	45	0.0475
5,229	1977	2	24	11	0	0.0075
5,230	1977	2	24	11	15	0.0075
5,231	1977	2	24	11	30	0.0075
5,232	1977	2	24	11	45	0.0075
5,233	1977	2	24	12	0	0
5,234	1977	2	24	12	15	0
5,235	1977	2	24	12	30	0
5,236	1977	2	24	12	45	0
5,237	1977	2	24	13	0	0
5,238	1977	2	24	13	15	0
5,239	1977	2	24	13	30	0
5,240	1977	2	24	13	45	0
5,241	1977	2	24	14	0	0
5,242	1977	2	24	14	15	0
5,243	1977	2	24	14	30	0
5,244	1977	2	24	14	45	0
5,245	1977	2	24	15	0	0
5,246	1977	2	24	15	15	0
5,247	1977	2	24	15	30	0
5,248	1977	2	24	15	45	0
5,249	1977	2	24	16	0	0
5,250	1977	2	24	16	15	0
5,251	1977	2	24	16	30	0
5,252	1977	2	24	16	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
5,253	1977	2	24	17	0	0
5,254	1977	2	24	17	15	0
5,255	1977	2	24	17	30	0
5,256	1977	2	24	17	45	0
5,257	1977	2	24	18	0	0
5,258	1977	2	24	18	15	0
5,259	1977	2	24	18	30	0
5,260	1977	2	24	18	45	0
5,261	1977	2	24	19	0	0
5,262	1977	2	24	19	15	0
5,263	1977	2	24	19	30	0
5,264	1977	2	24	19	45	0
5,265	1977	2	24	20	0	0
5,266	1977	2	24	20	15	0
5,267	1977	2	24	20	30	0
5,268	1977	2	24	20	45	0
5,269	1977	2	24	21	0	0
5,270	1977	2	24	21	15	0
5,271	1977	2	24	21	30	0
5,272	1977	2	24	21	45	0
5,273	1977	2	24	22	0	0
5,274	1977	2	24	22	15	0
5,275	1977	2	24	22	30	0
5,276	1977	2	24	22	45	0
5,277	1977	2	24	23	0	0
5,278	1977	2	24	23	15	0
5,279	1977	2	24	23	30	0
5,280	1977	2	24	23	45	0
5,281	1977	2	25	0	0	0.0025
5,282	1977	2	25	0	15	0.0025
5,283	1977	2	25	0	30	0.0025
5,284	1977	2	25	0	45	0.0025
5,285	1977	2	25	1	0	0
5,286	1977	2	25	1	15	0
5,287	1977	2	25	1	30	0
5,288	1977	2	25	1	45	0
5,289	1977	2	25	2	0	0
5,290	1977	2	25	2	15	0
5,291	1977	2	25	2	30	0
5,292	1977	2	25	2	45	0
5,293	1977	2	25	3	0	0
5,294	1977	2	25	3	15	0
5,295	1977	2	25	3	30	0
5,296	1977	2	25	3	45	0
5,297	1977	2	25	4	0	0
5,298	1977	2	25	4	15	0
5,299	1977	2	25	4	30	0
5,300	1977	2	25	4	45	0
5,301	1977	2	25	5	0	0
5,302	1977	2	25	5	15	0
5,303	1977	2	25	5	30	0
5,304	1977	2	25	5	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
5,305	1977	2	25	6	0	0
5,306	1977	2	25	6	15	0
5,307	1977	2	25	6	30	0
5,308	1977	2	25	6	45	0
5,309	1977	2	25	7	0	0
5,310	1977	2	25	7	15	0
5,311	1977	2	25	7	30	0
5,312	1977	2	25	7	45	0
5,313	1977	2	25	8	0	0
5,314	1977	2	25	8	15	0
5,315	1977	2	25	8	30	0
5,316	1977	2	25	8	45	0
5,317	1977	2	25	9	0	0
5,318	1977	2	25	9	15	0
5,319	1977	2	25	9	30	0
5,320	1977	2	25	9	45	0
5,321	1977	2	25	10	0	0
5,322	1977	2	25	10	15	0
5,323	1977	2	25	10	30	0
5,324	1977	2	25	10	45	0
5,325	1977	2	25	11	0	0
5,326	1977	2	25	11	15	0
5,327	1977	2	25	11	30	0
5,328	1977	2	25	11	45	0
5,329	1977	2	25	12	0	0
5,330	1977	2	25	12	15	0
5,331	1977	2	25	12	30	0
5,332	1977	2	25	12	45	0
5,333	1977	2	25	13	0	0
5,334	1977	2	25	13	15	0
5,335	1977	2	25	13	30	0
5,336	1977	2	25	13	45	0
5,337	1977	2	25	14	0	0
5,338	1977	2	25	14	15	0
5,339	1977	2	25	14	30	0
5,340	1977	2	25	14	45	0
5,341	1977	2	25	15	0	0
5,342	1977	2	25	15	15	0
5,343	1977	2	25	15	30	0
5,344	1977	2	25	15	45	0
5,345	1977	2	25	16	0	0
5,346	1977	2	25	16	15	0
5,347	1977	2	25	16	30	0
5,348	1977	2	25	16	45	0
5,349	1977	2	25	17	0	0
5,350	1977	2	25	17	15	0
5,351	1977	2	25	17	30	0
5,352	1977	2	25	17	45	0
5,353	1977	2	25	18	0	0
5,354	1977	2	25	18	15	0
5,355	1977	2	25	18	30	0
5,356	1977	2	25	18	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
5,357	1977	2	25	19	0	0
5,358	1977	2	25	19	15	0
5,359	1977	2	25	19	30	0
5,360	1977	2	25	19	45	0
5,361	1977	2	25	20	0	0
5,362	1977	2	25	20	15	0
5,363	1977	2	25	20	30	0
5,364	1977	2	25	20	45	0
5,365	1977	2	25	21	0	0
5,366	1977	2	25	21	15	0
5,367	1977	2	25	21	30	0
5,368	1977	2	25	21	45	0
5,369	1977	2	25	22	0	0
5,370	1977	2	25	22	15	0
5,371	1977	2	25	22	30	0
5,372	1977	2	25	22	45	0
5,373	1977	2	25	23	0	0
5,374	1977	2	25	23	15	0
5,375	1977	2	25	23	30	0
5,376	1977	2	25	23	45	0
5,377	1977	2	26	0	0	0
5,378	1977	2	26	0	15	0
5,379	1977	2	26	0	30	0
5,380	1977	2	26	0	45	0
5,381	1977	2	26	1	0	0
5,382	1977	2	26	1	15	0
5,383	1977	2	26	1	30	0
5,384	1977	2	26	1	45	0
5,385	1977	2	26	2	0	0
5,386	1977	2	26	2	15	0
5,387	1977	2	26	2	30	0
5,388	1977	2	26	2	45	0
5,389	1977	2	26	3	0	0
5,390	1977	2	26	3	15	0
5,391	1977	2	26	3	30	0
5,392	1977	2	26	3	45	0
5,393	1977	2	26	4	0	0
5,394	1977	2	26	4	15	0
5,395	1977	2	26	4	30	0
5,396	1977	2	26	4	45	0
5,397	1977	2	26	5	0	0
5,398	1977	2	26	5	15	0
5,399	1977	2	26	5	30	0
5,400	1977	2	26	5	45	0
5,401	1977	2	26	6	0	0
5,402	1977	2	26	6	15	0
5,403	1977	2	26	6	30	0
5,404	1977	2	26	6	45	0
5,405	1977	2	26	7	0	0
5,406	1977	2	26	7	15	0
5,407	1977	2	26	7	30	0
5,408	1977	2	26	7	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
5,409	1977	2	26	8	0	0
5,410	1977	2	26	8	15	0
5,411	1977	2	26	8	30	0
5,412	1977	2	26	8	45	0
5,413	1977	2	26	9	0	0
5,414	1977	2	26	9	15	0
5,415	1977	2	26	9	30	0
5,416	1977	2	26	9	45	0
5,417	1977	2	26	10	0	0
5,418	1977	2	26	10	15	0
5,419	1977	2	26	10	30	0
5,420	1977	2	26	10	45	0
5,421	1977	2	26	11	0	0
5,422	1977	2	26	11	15	0
5,423	1977	2	26	11	30	0
5,424	1977	2	26	11	45	0
5,425	1977	2	26	12	0	0
5,426	1977	2	26	12	15	0
5,427	1977	2	26	12	30	0
5,428	1977	2	26	12	45	0
5,429	1977	2	26	13	0	0
5,430	1977	2	26	13	15	0
5,431	1977	2	26	13	30	0
5,432	1977	2	26	13	45	0
5,433	1977	2	26	14	0	0
5,434	1977	2	26	14	15	0
5,435	1977	2	26	14	30	0
5,436	1977	2	26	14	45	0
5,437	1977	2	26	15	0	0
5,438	1977	2	26	15	15	0
5,439	1977	2	26	15	30	0
5,440	1977	2	26	15	45	0
5,441	1977	2	26	16	0	0
5,442	1977	2	26	16	15	0
5,443	1977	2	26	16	30	0
5,444	1977	2	26	16	45	0
5,445	1977	2	26	17	0	0
5,446	1977	2	26	17	15	0
5,447	1977	2	26	17	30	0
5,448	1977	2	26	17	45	0
5,449	1977	2	26	18	0	0
5,450	1977	2	26	18	15	0
5,451	1977	2	26	18	30	0
5,452	1977	2	26	18	45	0
5,453	1977	2	26	19	0	0.01
5,454	1977	2	26	19	15	0.01
5,455	1977	2	26	19	30	0.01
5,456	1977	2	26	19	45	0.01
5,457	1977	2	26	20	0	0.0025
5,458	1977	2	26	20	15	0.0025
5,459	1977	2	26	20	30	0.0025
5,460	1977	2	26	20	45	0.0025

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
5,461	1977	2	26	21	0	0
5,462	1977	2	26	21	15	0
5,463	1977	2	26	21	30	0
5,464	1977	2	26	21	45	0
5,465	1977	2	26	22	0	0
5,466	1977	2	26	22	15	0
5,467	1977	2	26	22	30	0
5,468	1977	2	26	22	45	0
5,469	1977	2	26	23	0	0
5,470	1977	2	26	23	15	0
5,471	1977	2	26	23	30	0
5,472	1977	2	26	23	45	0
5,473	1977	2	27	0	0	0
5,474	1977	2	27	0	15	0
5,475	1977	2	27	0	30	0
5,476	1977	2	27	0	45	0
5,477	1977	2	27	1	0	0.0025
5,478	1977	2	27	1	15	0.0025
5,479	1977	2	27	1	30	0.0025
5,480	1977	2	27	1	45	0.0025
5,481	1977	2	27	2	0	0.0075
5,482	1977	2	27	2	15	0.0075
5,483	1977	2	27	2	30	0.0075
5,484	1977	2	27	2	45	0.0075
5,485	1977	2	27	3	0	0.0025
5,486	1977	2	27	3	15	0.0025
5,487	1977	2	27	3	30	0.0025
5,488	1977	2	27	3	45	0.0025
5,489	1977	2	27	4	0	0
5,490	1977	2	27	4	15	0
5,491	1977	2	27	4	30	0
5,492	1977	2	27	4	45	0
5,493	1977	2	27	5	0	0
5,494	1977	2	27	5	15	0
5,495	1977	2	27	5	30	0
5,496	1977	2	27	5	45	0
5,497	1977	2	27	6	0	0
5,498	1977	2	27	6	15	0
5,499	1977	2	27	6	30	0
5,500	1977	2	27	6	45	0
5,501	1977	2	27	7	0	0
5,502	1977	2	27	7	15	0
5,503	1977	2	27	7	30	0
5,504	1977	2	27	7	45	0
5,505	1977	2	27	8	0	0
5,506	1977	2	27	8	15	0
5,507	1977	2	27	8	30	0
5,508	1977	2	27	8	45	0
5,509	1977	2	27	9	0	0
5,510	1977	2	27	9	15	0
5,511	1977	2	27	9	30	0
5,512	1977	2	27	9	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
5,513	1977	2	27	10	0	0
5,514	1977	2	27	10	15	0
5,515	1977	2	27	10	30	0
5,516	1977	2	27	10	45	0
5,517	1977	2	27	11	0	0
5,518	1977	2	27	11	15	0
5,519	1977	2	27	11	30	0
5,520	1977	2	27	11	45	0
5,521	1977	2	27	12	0	0
5,522	1977	2	27	12	15	0
5,523	1977	2	27	12	30	0
5,524	1977	2	27	12	45	0
5,525	1977	2	27	13	0	0
5,526	1977	2	27	13	15	0
5,527	1977	2	27	13	30	0
5,528	1977	2	27	13	45	0
5,529	1977	2	27	14	0	0
5,530	1977	2	27	14	15	0
5,531	1977	2	27	14	30	0
5,532	1977	2	27	14	45	0
5,533	1977	2	27	15	0	0
5,534	1977	2	27	15	15	0
5,535	1977	2	27	15	30	0
5,536	1977	2	27	15	45	0
5,537	1977	2	27	16	0	0
5,538	1977	2	27	16	15	0
5,539	1977	2	27	16	30	0
5,540	1977	2	27	16	45	0
5,541	1977	2	27	17	0	0
5,542	1977	2	27	17	15	0
5,543	1977	2	27	17	30	0
5,544	1977	2	27	17	45	0
5,545	1977	2	27	18	0	0
5,546	1977	2	27	18	15	0
5,547	1977	2	27	18	30	0
5,548	1977	2	27	18	45	0
5,549	1977	2	27	19	0	0
5,550	1977	2	27	19	15	0
5,551	1977	2	27	19	30	0
5,552	1977	2	27	19	45	0
5,553	1977	2	27	20	0	0
5,554	1977	2	27	20	15	0
5,555	1977	2	27	20	30	0
5,556	1977	2	27	20	45	0
5,557	1977	2	27	21	0	0
5,558	1977	2	27	21	15	0
5,559	1977	2	27	21	30	0
5,560	1977	2	27	21	45	0
5,561	1977	2	27	22	0	0
5,562	1977	2	27	22	15	0
5,563	1977	2	27	22	30	0
5,564	1977	2	27	22	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
5,565	1977	2	27	23	0	0
5,566	1977	2	27	23	15	0
5,567	1977	2	27	23	30	0
5,568	1977	2	27	23	45	0
5,569	1977	2	28	0	0	0
5,570	1977	2	28	0	15	0
5,571	1977	2	28	0	30	0
5,572	1977	2	28	0	45	0
5,573	1977	2	28	1	0	0
5,574	1977	2	28	1	15	0
5,575	1977	2	28	1	30	0
5,576	1977	2	28	1	45	0
5,577	1977	2	28	2	0	0
5,578	1977	2	28	2	15	0
5,579	1977	2	28	2	30	0
5,580	1977	2	28	2	45	0
5,581	1977	2	28	3	0	0
5,582	1977	2	28	3	15	0
5,583	1977	2	28	3	30	0
5,584	1977	2	28	3	45	0
5,585	1977	2	28	4	0	0
5,586	1977	2	28	4	15	0
5,587	1977	2	28	4	30	0
5,588	1977	2	28	4	45	0
5,589	1977	2	28	5	0	0
5,590	1977	2	28	5	15	0
5,591	1977	2	28	5	30	0
5,592	1977	2	28	5	45	0
5,593	1977	2	28	6	0	0.0025
5,594	1977	2	28	6	15	0.0025
5,595	1977	2	28	6	30	0.0025
5,596	1977	2	28	6	45	0.0025
5,597	1977	2	28	7	0	0
5,598	1977	2	28	7	15	0
5,599	1977	2	28	7	30	0
5,600	1977	2	28	7	45	0
5,601	1977	2	28	8	0	0
5,602	1977	2	28	8	15	0
5,603	1977	2	28	8	30	0
5,604	1977	2	28	8	45	0
5,605	1977	2	28	9	0	0
5,606	1977	2	28	9	15	0
5,607	1977	2	28	9	30	0
5,608	1977	2	28	9	45	0
5,609	1977	2	28	10	0	0
5,610	1977	2	28	10	15	0
5,611	1977	2	28	10	30	0
5,612	1977	2	28	10	45	0
5,613	1977	2	28	11	0	0
5,614	1977	2	28	11	15	0
5,615	1977	2	28	11	30	0
5,616	1977	2	28	11	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
5,617	1977	2	28	12	0	0.0025
5,618	1977	2	28	12	15	0.0025
5,619	1977	2	28	12	30	0.0025
5,620	1977	2	28	12	45	0.0025
5,621	1977	2	28	13	0	0
5,622	1977	2	28	13	15	0
5,623	1977	2	28	13	30	0
5,624	1977	2	28	13	45	0
5,625	1977	2	28	14	0	0
5,626	1977	2	28	14	15	0
5,627	1977	2	28	14	30	0
5,628	1977	2	28	14	45	0
5,629	1977	2	28	15	0	0
5,630	1977	2	28	15	15	0
5,631	1977	2	28	15	30	0
5,632	1977	2	28	15	45	0
5,633	1977	2	28	16	0	0
5,634	1977	2	28	16	15	0
5,635	1977	2	28	16	30	0
5,636	1977	2	28	16	45	0
5,637	1977	2	28	17	0	0
5,638	1977	2	28	17	15	0
5,639	1977	2	28	17	30	0
5,640	1977	2	28	17	45	0
5,641	1977	2	28	18	0	0
5,642	1977	2	28	18	15	0
5,643	1977	2	28	18	30	0
5,644	1977	2	28	18	45	0
5,645	1977	2	28	19	0	0
5,646	1977	2	28	19	15	0
5,647	1977	2	28	19	30	0
5,648	1977	2	28	19	45	0
5,649	1977	2	28	20	0	0
5,650	1977	2	28	20	15	0
5,651	1977	2	28	20	30	0
5,652	1977	2	28	20	45	0
5,653	1977	2	28	21	0	0
5,654	1977	2	28	21	15	0
5,655	1977	2	28	21	30	0
5,656	1977	2	28	21	45	0
5,657	1977	2	28	22	0	0
5,658	1977	2	28	22	15	0
5,659	1977	2	28	22	30	0
5,660	1977	2	28	22	45	0
5,661	1977	2	28	23	0	0
5,662	1977	2	28	23	15	0
5,663	1977	2	28	23	30	0
5,664	1977	2	28	23	45	0
5,665	1977	3	1	0	0	0
5,666	1977	3	1	0	15	0
5,667	1977	3	1	0	30	0
5,668	1977	3	1	0	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
5,669	1977	3	1	1	0	0
5,670	1977	3	1	1	15	0
5,671	1977	3	1	1	30	0
5,672	1977	3	1	1	45	0
5,673	1977	3	1	2	0	0
5,674	1977	3	1	2	15	0
5,675	1977	3	1	2	30	0
5,676	1977	3	1	2	45	0
5,677	1977	3	1	3	0	0
5,678	1977	3	1	3	15	0
5,679	1977	3	1	3	30	0
5,680	1977	3	1	3	45	0
5,681	1977	3	1	4	0	0
5,682	1977	3	1	4	15	0
5,683	1977	3	1	4	30	0
5,684	1977	3	1	4	45	0
5,685	1977	3	1	5	0	0
5,686	1977	3	1	5	15	0
5,687	1977	3	1	5	30	0
5,688	1977	3	1	5	45	0
5,689	1977	3	1	6	0	0
5,690	1977	3	1	6	15	0
5,691	1977	3	1	6	30	0
5,692	1977	3	1	6	45	0
5,693	1977	3	1	7	0	0
5,694	1977	3	1	7	15	0
5,695	1977	3	1	7	30	0
5,696	1977	3	1	7	45	0
5,697	1977	3	1	8	0	0
5,698	1977	3	1	8	15	0
5,699	1977	3	1	8	30	0
5,700	1977	3	1	8	45	0
5,701	1977	3	1	9	0	0
5,702	1977	3	1	9	15	0
5,703	1977	3	1	9	30	0
5,704	1977	3	1	9	45	0
5,705	1977	3	1	10	0	0
5,706	1977	3	1	10	15	0
5,707	1977	3	1	10	30	0
5,708	1977	3	1	10	45	0
5,709	1977	3	1	11	0	0
5,710	1977	3	1	11	15	0
5,711	1977	3	1	11	30	0
5,712	1977	3	1	11	45	0
5,713	1977	3	1	12	0	0
5,714	1977	3	1	12	15	0
5,715	1977	3	1	12	30	0
5,716	1977	3	1	12	45	0
5,717	1977	3	1	13	0	0
5,718	1977	3	1	13	15	0
5,719	1977	3	1	13	30	0
5,720	1977	3	1	13	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
5,721	1977	3	1	14	0	0
5,722	1977	3	1	14	15	0
5,723	1977	3	1	14	30	0
5,724	1977	3	1	14	45	0
5,725	1977	3	1	15	0	0
5,726	1977	3	1	15	15	0
5,727	1977	3	1	15	30	0
5,728	1977	3	1	15	45	0
5,729	1977	3	1	16	0	0
5,730	1977	3	1	16	15	0
5,731	1977	3	1	16	30	0
5,732	1977	3	1	16	45	0
5,733	1977	3	1	17	0	0
5,734	1977	3	1	17	15	0
5,735	1977	3	1	17	30	0
5,736	1977	3	1	17	45	0
5,737	1977	3	1	18	0	0
5,738	1977	3	1	18	15	0
5,739	1977	3	1	18	30	0
5,740	1977	3	1	18	45	0
5,741	1977	3	1	19	0	0
5,742	1977	3	1	19	15	0
5,743	1977	3	1	19	30	0
5,744	1977	3	1	19	45	0
5,745	1977	3	1	20	0	0
5,746	1977	3	1	20	15	0
5,747	1977	3	1	20	30	0
5,748	1977	3	1	20	45	0
5,749	1977	3	1	21	0	0
5,750	1977	3	1	21	15	0
5,751	1977	3	1	21	30	0
5,752	1977	3	1	21	45	0
5,753	1977	3	1	22	0	0
5,754	1977	3	1	22	15	0
5,755	1977	3	1	22	30	0
5,756	1977	3	1	22	45	0
5,757	1977	3	1	23	0	0
5,758	1977	3	1	23	15	0
5,759	1977	3	1	23	30	0
5,760	1977	3	1	23	45	0
5,761	1977	3	2	0	0	0
5,762	1977	3	2	0	15	0
5,763	1977	3	2	0	30	0
5,764	1977	3	2	0	45	0
5,765	1977	3	2	1	0	0
5,766	1977	3	2	1	15	0
5,767	1977	3	2	1	30	0
5,768	1977	3	2	1	45	0
5,769	1977	3	2	2	0	0
5,770	1977	3	2	2	15	0
5,771	1977	3	2	2	30	0
5,772	1977	3	2	2	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
5,773	1977	3	2	3	0	0
5,774	1977	3	2	3	15	0
5,775	1977	3	2	3	30	0
5,776	1977	3	2	3	45	0
5,777	1977	3	2	4	0	0
5,778	1977	3	2	4	15	0
5,779	1977	3	2	4	30	0
5,780	1977	3	2	4	45	0
5,781	1977	3	2	5	0	0
5,782	1977	3	2	5	15	0
5,783	1977	3	2	5	30	0
5,784	1977	3	2	5	45	0
5,785	1977	3	2	6	0	0
5,786	1977	3	2	6	15	0
5,787	1977	3	2	6	30	0
5,788	1977	3	2	6	45	0
5,789	1977	3	2	7	0	0
5,790	1977	3	2	7	15	0
5,791	1977	3	2	7	30	0
5,792	1977	3	2	7	45	0
5,793	1977	3	2	8	0	0
5,794	1977	3	2	8	15	0
5,795	1977	3	2	8	30	0
5,796	1977	3	2	8	45	0
5,797	1977	3	2	9	0	0
5,798	1977	3	2	9	15	0
5,799	1977	3	2	9	30	0
5,800	1977	3	2	9	45	0
5,801	1977	3	2	10	0	0
5,802	1977	3	2	10	15	0
5,803	1977	3	2	10	30	0
5,804	1977	3	2	10	45	0
5,805	1977	3	2	11	0	0
5,806	1977	3	2	11	15	0
5,807	1977	3	2	11	30	0
5,808	1977	3	2	11	45	0
5,809	1977	3	2	12	0	0
5,810	1977	3	2	12	15	0
5,811	1977	3	2	12	30	0
5,812	1977	3	2	12	45	0
5,813	1977	3	2	13	0	0
5,814	1977	3	2	13	15	0
5,815	1977	3	2	13	30	0
5,816	1977	3	2	13	45	0
5,817	1977	3	2	14	0	0
5,818	1977	3	2	14	15	0
5,819	1977	3	2	14	30	0
5,820	1977	3	2	14	45	0
5,821	1977	3	2	15	0	0
5,822	1977	3	2	15	15	0
5,823	1977	3	2	15	30	0
5,824	1977	3	2	15	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
5,825	1977	3	2	16	0	0
5,826	1977	3	2	16	15	0
5,827	1977	3	2	16	30	0
5,828	1977	3	2	16	45	0
5,829	1977	3	2	17	0	0
5,830	1977	3	2	17	15	0
5,831	1977	3	2	17	30	0
5,832	1977	3	2	17	45	0
5,833	1977	3	2	18	0	0
5,834	1977	3	2	18	15	0
5,835	1977	3	2	18	30	0
5,836	1977	3	2	18	45	0
5,837	1977	3	2	19	0	0
5,838	1977	3	2	19	15	0
5,839	1977	3	2	19	30	0
5,840	1977	3	2	19	45	0
5,841	1977	3	2	20	0	0
5,842	1977	3	2	20	15	0
5,843	1977	3	2	20	30	0
5,844	1977	3	2	20	45	0
5,845	1977	3	2	21	0	0
5,846	1977	3	2	21	15	0
5,847	1977	3	2	21	30	0
5,848	1977	3	2	21	45	0
5,849	1977	3	2	22	0	0
5,850	1977	3	2	22	15	0
5,851	1977	3	2	22	30	0
5,852	1977	3	2	22	45	0
5,853	1977	3	2	23	0	0
5,854	1977	3	2	23	15	0
5,855	1977	3	2	23	30	0
5,856	1977	3	2	23	45	0
5,857	1977	3	3	0	0	0
5,858	1977	3	3	0	15	0
5,859	1977	3	3	0	30	0
5,860	1977	3	3	0	45	0
5,861	1977	3	3	1	0	0
5,862	1977	3	3	1	15	0
5,863	1977	3	3	1	30	0
5,864	1977	3	3	1	45	0
5,865	1977	3	3	2	0	0
5,866	1977	3	3	2	15	0
5,867	1977	3	3	2	30	0
5,868	1977	3	3	2	45	0
5,869	1977	3	3	3	0	0
5,870	1977	3	3	3	15	0
5,871	1977	3	3	3	30	0
5,872	1977	3	3	3	45	0
5,873	1977	3	3	4	0	0
5,874	1977	3	3	4	15	0
5,875	1977	3	3	4	30	0
5,876	1977	3	3	4	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
5,877	1977	3	3	5	0	0
5,878	1977	3	3	5	15	0
5,879	1977	3	3	5	30	0
5,880	1977	3	3	5	45	0
5,881	1977	3	3	6	0	0
5,882	1977	3	3	6	15	0
5,883	1977	3	3	6	30	0
5,884	1977	3	3	6	45	0
5,885	1977	3	3	7	0	0
5,886	1977	3	3	7	15	0
5,887	1977	3	3	7	30	0
5,888	1977	3	3	7	45	0
5,889	1977	3	3	8	0	0
5,890	1977	3	3	8	15	0
5,891	1977	3	3	8	30	0
5,892	1977	3	3	8	45	0
5,893	1977	3	3	9	0	0
5,894	1977	3	3	9	15	0
5,895	1977	3	3	9	30	0
5,896	1977	3	3	9	45	0
5,897	1977	3	3	10	0	0
5,898	1977	3	3	10	15	0
5,899	1977	3	3	10	30	0
5,900	1977	3	3	10	45	0
5,901	1977	3	3	11	0	0
5,902	1977	3	3	11	15	0
5,903	1977	3	3	11	30	0
5,904	1977	3	3	11	45	0
5,905	1977	3	3	12	0	0
5,906	1977	3	3	12	15	0
5,907	1977	3	3	12	30	0
5,908	1977	3	3	12	45	0
5,909	1977	3	3	13	0	0
5,910	1977	3	3	13	15	0
5,911	1977	3	3	13	30	0
5,912	1977	3	3	13	45	0
5,913	1977	3	3	14	0	0
5,914	1977	3	3	14	15	0
5,915	1977	3	3	14	30	0
5,916	1977	3	3	14	45	0
5,917	1977	3	3	15	0	0
5,918	1977	3	3	15	15	0
5,919	1977	3	3	15	30	0
5,920	1977	3	3	15	45	0
5,921	1977	3	3	16	0	0
5,922	1977	3	3	16	15	0
5,923	1977	3	3	16	30	0
5,924	1977	3	3	16	45	0
5,925	1977	3	3	17	0	0
5,926	1977	3	3	17	15	0
5,927	1977	3	3	17	30	0
5,928	1977	3	3	17	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
5,929	1977	3	3	18	0	0
5,930	1977	3	3	18	15	0
5,931	1977	3	3	18	30	0
5,932	1977	3	3	18	45	0
5,933	1977	3	3	19	0	0
5,934	1977	3	3	19	15	0
5,935	1977	3	3	19	30	0
5,936	1977	3	3	19	45	0
5,937	1977	3	3	20	0	0
5,938	1977	3	3	20	15	0
5,939	1977	3	3	20	30	0
5,940	1977	3	3	20	45	0
5,941	1977	3	3	21	0	0
5,942	1977	3	3	21	15	0
5,943	1977	3	3	21	30	0
5,944	1977	3	3	21	45	0
5,945	1977	3	3	22	0	0
5,946	1977	3	3	22	15	0
5,947	1977	3	3	22	30	0
5,948	1977	3	3	22	45	0
5,949	1977	3	3	23	0	0.005
5,950	1977	3	3	23	15	0.005
5,951	1977	3	3	23	30	0.005
5,952	1977	3	3	23	45	0.005
5,953	1977	3	4	0	0	0.0125
5,954	1977	3	4	0	15	0.0125
5,955	1977	3	4	0	30	0.0125
5,956	1977	3	4	0	45	0.0125
5,957	1977	3	4	1	0	0.005
5,958	1977	3	4	1	15	0.005
5,959	1977	3	4	1	30	0.005
5,960	1977	3	4	1	45	0.005
5,961	1977	3	4	2	0	0.005
5,962	1977	3	4	2	15	0.005
5,963	1977	3	4	2	30	0.005
5,964	1977	3	4	2	45	0.005
5,965	1977	3	4	3	0	0.0075
5,966	1977	3	4	3	15	0.0075
5,967	1977	3	4	3	30	0.0075
5,968	1977	3	4	3	45	0.0075
5,969	1977	3	4	4	0	0.005
5,970	1977	3	4	4	15	0.005
5,971	1977	3	4	4	30	0.005
5,972	1977	3	4	4	45	0.005
5,973	1977	3	4	5	0	0.0025
5,974	1977	3	4	5	15	0.0025
5,975	1977	3	4	5	30	0.0025
5,976	1977	3	4	5	45	0.0025
5,977	1977	3	4	6	0	0.0025
5,978	1977	3	4	6	15	0.0025
5,979	1977	3	4	6	30	0.0025
5,980	1977	3	4	6	45	0.0025

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
5,981	1977	3	4	7	0	0
5,982	1977	3	4	7	15	0
5,983	1977	3	4	7	30	0
5,984	1977	3	4	7	45	0
5,985	1977	3	4	8	0	0
5,986	1977	3	4	8	15	0
5,987	1977	3	4	8	30	0
5,988	1977	3	4	8	45	0
5,989	1977	3	4	9	0	0
5,990	1977	3	4	9	15	0
5,991	1977	3	4	9	30	0
5,992	1977	3	4	9	45	0
5,993	1977	3	4	10	0	0
5,994	1977	3	4	10	15	0
5,995	1977	3	4	10	30	0
5,996	1977	3	4	10	45	0
5,997	1977	3	4	11	0	0
5,998	1977	3	4	11	15	0
5,999	1977	3	4	11	30	0
6,000	1977	3	4	11	45	0
6,001	1977	3	4	12	0	0
6,002	1977	3	4	12	15	0
6,003	1977	3	4	12	30	0
6,004	1977	3	4	12	45	0
6,005	1977	3	4	13	0	0.0025
6,006	1977	3	4	13	15	0.0025
6,007	1977	3	4	13	30	0.0025
6,008	1977	3	4	13	45	0.0025
6,009	1977	3	4	14	0	0.0025
6,010	1977	3	4	14	15	0.0025
6,011	1977	3	4	14	30	0.0025
6,012	1977	3	4	14	45	0.0025
6,013	1977	3	4	15	0	0.0025
6,014	1977	3	4	15	15	0.0025
6,015	1977	3	4	15	30	0.0025
6,016	1977	3	4	15	45	0.0025
6,017	1977	3	4	16	0	0
6,018	1977	3	4	16	15	0
6,019	1977	3	4	16	30	0
6,020	1977	3	4	16	45	0
6,021	1977	3	4	17	0	0
6,022	1977	3	4	17	15	0
6,023	1977	3	4	17	30	0
6,024	1977	3	4	17	45	0
6,025	1977	3	4	18	0	0
6,026	1977	3	4	18	15	0
6,027	1977	3	4	18	30	0
6,028	1977	3	4	18	45	0
6,029	1977	3	4	19	0	0
6,030	1977	3	4	19	15	0
6,031	1977	3	4	19	30	0
6,032	1977	3	4	19	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
6,033	1977	3	4	20	0	0
6,034	1977	3	4	20	15	0
6,035	1977	3	4	20	30	0
6,036	1977	3	4	20	45	0
6,037	1977	3	4	21	0	0
6,038	1977	3	4	21	15	0
6,039	1977	3	4	21	30	0
6,040	1977	3	4	21	45	0
6,041	1977	3	4	22	0	0
6,042	1977	3	4	22	15	0
6,043	1977	3	4	22	30	0
6,044	1977	3	4	22	45	0
6,045	1977	3	4	23	0	0
6,046	1977	3	4	23	15	0
6,047	1977	3	4	23	30	0
6,048	1977	3	4	23	45	0
6,049	1977	3	5	0	0	0
6,050	1977	3	5	0	15	0
6,051	1977	3	5	0	30	0
6,052	1977	3	5	0	45	0
6,053	1977	3	5	1	0	0
6,054	1977	3	5	1	15	0
6,055	1977	3	5	1	30	0
6,056	1977	3	5	1	45	0
6,057	1977	3	5	2	0	0
6,058	1977	3	5	2	15	0
6,059	1977	3	5	2	30	0
6,060	1977	3	5	2	45	0
6,061	1977	3	5	3	0	0
6,062	1977	3	5	3	15	0
6,063	1977	3	5	3	30	0
6,064	1977	3	5	3	45	0
6,065	1977	3	5	4	0	0
6,066	1977	3	5	4	15	0
6,067	1977	3	5	4	30	0
6,068	1977	3	5	4	45	0
6,069	1977	3	5	5	0	0
6,070	1977	3	5	5	15	0
6,071	1977	3	5	5	30	0
6,072	1977	3	5	5	45	0
6,073	1977	3	5	6	0	0
6,074	1977	3	5	6	15	0
6,075	1977	3	5	6	30	0
6,076	1977	3	5	6	45	0
6,077	1977	3	5	7	0	0
6,078	1977	3	5	7	15	0
6,079	1977	3	5	7	30	0
6,080	1977	3	5	7	45	0
6,081	1977	3	5	8	0	0
6,082	1977	3	5	8	15	0
6,083	1977	3	5	8	30	0
6,084	1977	3	5	8	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
6,085	1977	3	5	9	0	0
6,086	1977	3	5	9	15	0
6,087	1977	3	5	9	30	0
6,088	1977	3	5	9	45	0
6,089	1977	3	5	10	0	0
6,090	1977	3	5	10	15	0
6,091	1977	3	5	10	30	0
6,092	1977	3	5	10	45	0
6,093	1977	3	5	11	0	0
6,094	1977	3	5	11	15	0
6,095	1977	3	5	11	30	0
6,096	1977	3	5	11	45	0
6,097	1977	3	5	12	0	0
6,098	1977	3	5	12	15	0
6,099	1977	3	5	12	30	0
6,100	1977	3	5	12	45	0
6,101	1977	3	5	13	0	0
6,102	1977	3	5	13	15	0
6,103	1977	3	5	13	30	0
6,104	1977	3	5	13	45	0
6,105	1977	3	5	14	0	0
6,106	1977	3	5	14	15	0
6,107	1977	3	5	14	30	0
6,108	1977	3	5	14	45	0
6,109	1977	3	5	15	0	0
6,110	1977	3	5	15	15	0
6,111	1977	3	5	15	30	0
6,112	1977	3	5	15	45	0
6,113	1977	3	5	16	0	0
6,114	1977	3	5	16	15	0
6,115	1977	3	5	16	30	0
6,116	1977	3	5	16	45	0
6,117	1977	3	5	17	0	0
6,118	1977	3	5	17	15	0
6,119	1977	3	5	17	30	0
6,120	1977	3	5	17	45	0
6,121	1977	3	5	18	0	0
6,122	1977	3	5	18	15	0
6,123	1977	3	5	18	30	0
6,124	1977	3	5	18	45	0
6,125	1977	3	5	19	0	0
6,126	1977	3	5	19	15	0
6,127	1977	3	5	19	30	0
6,128	1977	3	5	19	45	0
6,129	1977	3	5	20	0	0
6,130	1977	3	5	20	15	0
6,131	1977	3	5	20	30	0
6,132	1977	3	5	20	45	0
6,133	1977	3	5	21	0	0
6,134	1977	3	5	21	15	0
6,135	1977	3	5	21	30	0
6,136	1977	3	5	21	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
6,137	1977	3	5	22	0	0
6,138	1977	3	5	22	15	0
6,139	1977	3	5	22	30	0
6,140	1977	3	5	22	45	0
6,141	1977	3	5	23	0	0
6,142	1977	3	5	23	15	0
6,143	1977	3	5	23	30	0
6,144	1977	3	5	23	45	0
6,145	1977	3	6	0	0	0
6,146	1977	3	6	0	15	0
6,147	1977	3	6	0	30	0
6,148	1977	3	6	0	45	0
6,149	1977	3	6	1	0	0
6,150	1977	3	6	1	15	0
6,151	1977	3	6	1	30	0
6,152	1977	3	6	1	45	0
6,153	1977	3	6	2	0	0
6,154	1977	3	6	2	15	0
6,155	1977	3	6	2	30	0
6,156	1977	3	6	2	45	0
6,157	1977	3	6	3	0	0
6,158	1977	3	6	3	15	0
6,159	1977	3	6	3	30	0
6,160	1977	3	6	3	45	0
6,161	1977	3	6	4	0	0
6,162	1977	3	6	4	15	0
6,163	1977	3	6	4	30	0
6,164	1977	3	6	4	45	0
6,165	1977	3	6	5	0	0
6,166	1977	3	6	5	15	0
6,167	1977	3	6	5	30	0
6,168	1977	3	6	5	45	0
6,169	1977	3	6	6	0	0
6,170	1977	3	6	6	15	0
6,171	1977	3	6	6	30	0
6,172	1977	3	6	6	45	0
6,173	1977	3	6	7	0	0
6,174	1977	3	6	7	15	0
6,175	1977	3	6	7	30	0
6,176	1977	3	6	7	45	0
6,177	1977	3	6	8	0	0
6,178	1977	3	6	8	15	0
6,179	1977	3	6	8	30	0
6,180	1977	3	6	8	45	0
6,181	1977	3	6	9	0	0
6,182	1977	3	6	9	15	0
6,183	1977	3	6	9	30	0
6,184	1977	3	6	9	45	0
6,185	1977	3	6	10	0	0
6,186	1977	3	6	10	15	0
6,187	1977	3	6	10	30	0
6,188	1977	3	6	10	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
6,189	1977	3	6	11	0	0
6,190	1977	3	6	11	15	0
6,191	1977	3	6	11	30	0
6,192	1977	3	6	11	45	0
6,193	1977	3	6	12	0	0
6,194	1977	3	6	12	15	0
6,195	1977	3	6	12	30	0
6,196	1977	3	6	12	45	0
6,197	1977	3	6	13	0	0
6,198	1977	3	6	13	15	0
6,199	1977	3	6	13	30	0
6,200	1977	3	6	13	45	0
6,201	1977	3	6	14	0	0
6,202	1977	3	6	14	15	0
6,203	1977	3	6	14	30	0
6,204	1977	3	6	14	45	0
6,205	1977	3	6	15	0	0
6,206	1977	3	6	15	15	0
6,207	1977	3	6	15	30	0
6,208	1977	3	6	15	45	0
6,209	1977	3	6	16	0	0
6,210	1977	3	6	16	15	0
6,211	1977	3	6	16	30	0
6,212	1977	3	6	16	45	0
6,213	1977	3	6	17	0	0
6,214	1977	3	6	17	15	0
6,215	1977	3	6	17	30	0
6,216	1977	3	6	17	45	0
6,217	1977	3	6	18	0	0
6,218	1977	3	6	18	15	0
6,219	1977	3	6	18	30	0
6,220	1977	3	6	18	45	0
6,221	1977	3	6	19	0	0
6,222	1977	3	6	19	15	0
6,223	1977	3	6	19	30	0
6,224	1977	3	6	19	45	0
6,225	1977	3	6	20	0	0
6,226	1977	3	6	20	15	0
6,227	1977	3	6	20	30	0
6,228	1977	3	6	20	45	0
6,229	1977	3	6	21	0	0
6,230	1977	3	6	21	15	0
6,231	1977	3	6	21	30	0
6,232	1977	3	6	21	45	0
6,233	1977	3	6	22	0	0
6,234	1977	3	6	22	15	0
6,235	1977	3	6	22	30	0
6,236	1977	3	6	22	45	0
6,237	1977	3	6	23	0	0
6,238	1977	3	6	23	15	0
6,239	1977	3	6	23	30	0
6,240	1977	3	6	23	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
6,241	1977	3	7	0	0	0
6,242	1977	3	7	0	15	0
6,243	1977	3	7	0	30	0
6,244	1977	3	7	0	45	0
6,245	1977	3	7	1	0	0
6,246	1977	3	7	1	15	0
6,247	1977	3	7	1	30	0
6,248	1977	3	7	1	45	0
6,249	1977	3	7	2	0	0
6,250	1977	3	7	2	15	0
6,251	1977	3	7	2	30	0
6,252	1977	3	7	2	45	0
6,253	1977	3	7	3	0	0
6,254	1977	3	7	3	15	0
6,255	1977	3	7	3	30	0
6,256	1977	3	7	3	45	0
6,257	1977	3	7	4	0	0
6,258	1977	3	7	4	15	0
6,259	1977	3	7	4	30	0
6,260	1977	3	7	4	45	0
6,261	1977	3	7	5	0	0
6,262	1977	3	7	5	15	0
6,263	1977	3	7	5	30	0
6,264	1977	3	7	5	45	0
6,265	1977	3	7	6	0	0
6,266	1977	3	7	6	15	0
6,267	1977	3	7	6	30	0
6,268	1977	3	7	6	45	0
6,269	1977	3	7	7	0	0
6,270	1977	3	7	7	15	0
6,271	1977	3	7	7	30	0
6,272	1977	3	7	7	45	0
6,273	1977	3	7	8	0	0
6,274	1977	3	7	8	15	0
6,275	1977	3	7	8	30	0
6,276	1977	3	7	8	45	0
6,277	1977	3	7	9	0	0
6,278	1977	3	7	9	15	0
6,279	1977	3	7	9	30	0
6,280	1977	3	7	9	45	0
6,281	1977	3	7	10	0	0
6,282	1977	3	7	10	15	0
6,283	1977	3	7	10	30	0
6,284	1977	3	7	10	45	0
6,285	1977	3	7	11	0	0
6,286	1977	3	7	11	15	0
6,287	1977	3	7	11	30	0
6,288	1977	3	7	11	45	0
6,289	1977	3	7	12	0	0
6,290	1977	3	7	12	15	0
6,291	1977	3	7	12	30	0
6,292	1977	3	7	12	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
6,293	1977	3	7	13	0	0
6,294	1977	3	7	13	15	0
6,295	1977	3	7	13	30	0
6,296	1977	3	7	13	45	0
6,297	1977	3	7	14	0	0
6,298	1977	3	7	14	15	0
6,299	1977	3	7	14	30	0
6,300	1977	3	7	14	45	0
6,301	1977	3	7	15	0	0
6,302	1977	3	7	15	15	0
6,303	1977	3	7	15	30	0
6,304	1977	3	7	15	45	0
6,305	1977	3	7	16	0	0
6,306	1977	3	7	16	15	0
6,307	1977	3	7	16	30	0
6,308	1977	3	7	16	45	0
6,309	1977	3	7	17	0	0
6,310	1977	3	7	17	15	0
6,311	1977	3	7	17	30	0
6,312	1977	3	7	17	45	0
6,313	1977	3	7	18	0	0
6,314	1977	3	7	18	15	0
6,315	1977	3	7	18	30	0
6,316	1977	3	7	18	45	0
6,317	1977	3	7	19	0	0
6,318	1977	3	7	19	15	0
6,319	1977	3	7	19	30	0
6,320	1977	3	7	19	45	0
6,321	1977	3	7	20	0	0
6,322	1977	3	7	20	15	0
6,323	1977	3	7	20	30	0
6,324	1977	3	7	20	45	0
6,325	1977	3	7	21	0	0
6,326	1977	3	7	21	15	0
6,327	1977	3	7	21	30	0
6,328	1977	3	7	21	45	0
6,329	1977	3	7	22	0	0
6,330	1977	3	7	22	15	0
6,331	1977	3	7	22	30	0
6,332	1977	3	7	22	45	0
6,333	1977	3	7	23	0	0
6,334	1977	3	7	23	15	0
6,335	1977	3	7	23	30	0
6,336	1977	3	7	23	45	0
6,337	1977	3	8	0	0	0
6,338	1977	3	8	0	15	0
6,339	1977	3	8	0	30	0
6,340	1977	3	8	0	45	0
6,341	1977	3	8	1	0	0
6,342	1977	3	8	1	15	0
6,343	1977	3	8	1	30	0
6,344	1977	3	8	1	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
6,345	1977	3	8	2	0	0
6,346	1977	3	8	2	15	0
6,347	1977	3	8	2	30	0
6,348	1977	3	8	2	45	0
6,349	1977	3	8	3	0	0
6,350	1977	3	8	3	15	0
6,351	1977	3	8	3	30	0
6,352	1977	3	8	3	45	0
6,353	1977	3	8	4	0	0
6,354	1977	3	8	4	15	0
6,355	1977	3	8	4	30	0
6,356	1977	3	8	4	45	0
6,357	1977	3	8	5	0	0
6,358	1977	3	8	5	15	0
6,359	1977	3	8	5	30	0
6,360	1977	3	8	5	45	0
6,361	1977	3	8	6	0	0
6,362	1977	3	8	6	15	0
6,363	1977	3	8	6	30	0
6,364	1977	3	8	6	45	0
6,365	1977	3	8	7	0	0
6,366	1977	3	8	7	15	0
6,367	1977	3	8	7	30	0
6,368	1977	3	8	7	45	0
6,369	1977	3	8	8	0	0
6,370	1977	3	8	8	15	0
6,371	1977	3	8	8	30	0
6,372	1977	3	8	8	45	0
6,373	1977	3	8	9	0	0
6,374	1977	3	8	9	15	0
6,375	1977	3	8	9	30	0
6,376	1977	3	8	9	45	0
6,377	1977	3	8	10	0	0
6,378	1977	3	8	10	15	0
6,379	1977	3	8	10	30	0
6,380	1977	3	8	10	45	0
6,381	1977	3	8	11	0	0
6,382	1977	3	8	11	15	0
6,383	1977	3	8	11	30	0
6,384	1977	3	8	11	45	0
6,385	1977	3	8	12	0	0
6,386	1977	3	8	12	15	0
6,387	1977	3	8	12	30	0
6,388	1977	3	8	12	45	0
6,389	1977	3	8	13	0	0
6,390	1977	3	8	13	15	0
6,391	1977	3	8	13	30	0
6,392	1977	3	8	13	45	0
6,393	1977	3	8	14	0	0
6,394	1977	3	8	14	15	0
6,395	1977	3	8	14	30	0
6,396	1977	3	8	14	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
6,397	1977	3	8	15	0	0
6,398	1977	3	8	15	15	0
6,399	1977	3	8	15	30	0
6,400	1977	3	8	15	45	0
6,401	1977	3	8	16	0	0
6,402	1977	3	8	16	15	0
6,403	1977	3	8	16	30	0
6,404	1977	3	8	16	45	0
6,405	1977	3	8	17	0	0
6,406	1977	3	8	17	15	0
6,407	1977	3	8	17	30	0
6,408	1977	3	8	17	45	0
6,409	1977	3	8	18	0	0
6,410	1977	3	8	18	15	0
6,411	1977	3	8	18	30	0
6,412	1977	3	8	18	45	0
6,413	1977	3	8	19	0	0
6,414	1977	3	8	19	15	0
6,415	1977	3	8	19	30	0
6,416	1977	3	8	19	45	0
6,417	1977	3	8	20	0	0
6,418	1977	3	8	20	15	0
6,419	1977	3	8	20	30	0
6,420	1977	3	8	20	45	0
6,421	1977	3	8	21	0	0
6,422	1977	3	8	21	15	0
6,423	1977	3	8	21	30	0
6,424	1977	3	8	21	45	0
6,425	1977	3	8	22	0	0
6,426	1977	3	8	22	15	0
6,427	1977	3	8	22	30	0
6,428	1977	3	8	22	45	0
6,429	1977	3	8	23	0	0
6,430	1977	3	8	23	15	0
6,431	1977	3	8	23	30	0
6,432	1977	3	8	23	45	0
6,433	1977	3	9	0	0	0
6,434	1977	3	9	0	15	0
6,435	1977	3	9	0	30	0
6,436	1977	3	9	0	45	0
6,437	1977	3	9	1	0	0
6,438	1977	3	9	1	15	0
6,439	1977	3	9	1	30	0
6,440	1977	3	9	1	45	0
6,441	1977	3	9	2	0	0
6,442	1977	3	9	2	15	0
6,443	1977	3	9	2	30	0
6,444	1977	3	9	2	45	0
6,445	1977	3	9	3	0	0
6,446	1977	3	9	3	15	0
6,447	1977	3	9	3	30	0
6,448	1977	3	9	3	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
6,449	1977	3	9	4	0	0
6,450	1977	3	9	4	15	0
6,451	1977	3	9	4	30	0
6,452	1977	3	9	4	45	0
6,453	1977	3	9	5	0	0
6,454	1977	3	9	5	15	0
6,455	1977	3	9	5	30	0
6,456	1977	3	9	5	45	0
6,457	1977	3	9	6	0	0
6,458	1977	3	9	6	15	0
6,459	1977	3	9	6	30	0
6,460	1977	3	9	6	45	0
6,461	1977	3	9	7	0	0
6,462	1977	3	9	7	15	0
6,463	1977	3	9	7	30	0
6,464	1977	3	9	7	45	0
6,465	1977	3	9	8	0	0
6,466	1977	3	9	8	15	0
6,467	1977	3	9	8	30	0
6,468	1977	3	9	8	45	0
6,469	1977	3	9	9	0	0
6,470	1977	3	9	9	15	0
6,471	1977	3	9	9	30	0
6,472	1977	3	9	9	45	0
6,473	1977	3	9	10	0	0
6,474	1977	3	9	10	15	0
6,475	1977	3	9	10	30	0
6,476	1977	3	9	10	45	0
6,477	1977	3	9	11	0	0
6,478	1977	3	9	11	15	0
6,479	1977	3	9	11	30	0
6,480	1977	3	9	11	45	0
6,481	1977	3	9	12	0	0
6,482	1977	3	9	12	15	0
6,483	1977	3	9	12	30	0
6,484	1977	3	9	12	45	0
6,485	1977	3	9	13	0	0
6,486	1977	3	9	13	15	0
6,487	1977	3	9	13	30	0
6,488	1977	3	9	13	45	0
6,489	1977	3	9	14	0	0
6,490	1977	3	9	14	15	0
6,491	1977	3	9	14	30	0
6,492	1977	3	9	14	45	0
6,493	1977	3	9	15	0	0
6,494	1977	3	9	15	15	0
6,495	1977	3	9	15	30	0
6,496	1977	3	9	15	45	0
6,497	1977	3	9	16	0	0
6,498	1977	3	9	16	15	0
6,499	1977	3	9	16	30	0
6,500	1977	3	9	16	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
6,501	1977	3	9	17	0	0
6,502	1977	3	9	17	15	0
6,503	1977	3	9	17	30	0
6,504	1977	3	9	17	45	0
6,505	1977	3	9	18	0	0
6,506	1977	3	9	18	15	0
6,507	1977	3	9	18	30	0
6,508	1977	3	9	18	45	0
6,509	1977	3	9	19	0	0
6,510	1977	3	9	19	15	0
6,511	1977	3	9	19	30	0
6,512	1977	3	9	19	45	0
6,513	1977	3	9	20	0	0
6,514	1977	3	9	20	15	0
6,515	1977	3	9	20	30	0
6,516	1977	3	9	20	45	0
6,517	1977	3	9	21	0	0
6,518	1977	3	9	21	15	0
6,519	1977	3	9	21	30	0
6,520	1977	3	9	21	45	0
6,521	1977	3	9	22	0	0
6,522	1977	3	9	22	15	0
6,523	1977	3	9	22	30	0
6,524	1977	3	9	22	45	0
6,525	1977	3	9	23	0	0
6,526	1977	3	9	23	15	0
6,527	1977	3	9	23	30	0
6,528	1977	3	9	23	45	0
6,529	1977	3	10	0	0	0
6,530	1977	3	10	0	15	0
6,531	1977	3	10	0	30	0
6,532	1977	3	10	0	45	0
6,533	1977	3	10	1	0	0
6,534	1977	3	10	1	15	0
6,535	1977	3	10	1	30	0
6,536	1977	3	10	1	45	0
6,537	1977	3	10	2	0	0
6,538	1977	3	10	2	15	0
6,539	1977	3	10	2	30	0
6,540	1977	3	10	2	45	0
6,541	1977	3	10	3	0	0
6,542	1977	3	10	3	15	0
6,543	1977	3	10	3	30	0
6,544	1977	3	10	3	45	0
6,545	1977	3	10	4	0	0
6,546	1977	3	10	4	15	0
6,547	1977	3	10	4	30	0
6,548	1977	3	10	4	45	0
6,549	1977	3	10	5	0	0
6,550	1977	3	10	5	15	0
6,551	1977	3	10	5	30	0
6,552	1977	3	10	5	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
6,553	1977	3	10	6	0	0
6,554	1977	3	10	6	15	0
6,555	1977	3	10	6	30	0
6,556	1977	3	10	6	45	0
6,557	1977	3	10	7	0	0
6,558	1977	3	10	7	15	0
6,559	1977	3	10	7	30	0
6,560	1977	3	10	7	45	0
6,561	1977	3	10	8	0	0
6,562	1977	3	10	8	15	0
6,563	1977	3	10	8	30	0
6,564	1977	3	10	8	45	0
6,565	1977	3	10	9	0	0
6,566	1977	3	10	9	15	0
6,567	1977	3	10	9	30	0
6,568	1977	3	10	9	45	0
6,569	1977	3	10	10	0	0
6,570	1977	3	10	10	15	0
6,571	1977	3	10	10	30	0
6,572	1977	3	10	10	45	0
6,573	1977	3	10	11	0	0
6,574	1977	3	10	11	15	0
6,575	1977	3	10	11	30	0
6,576	1977	3	10	11	45	0
6,577	1977	3	10	12	0	0
6,578	1977	3	10	12	15	0
6,579	1977	3	10	12	30	0
6,580	1977	3	10	12	45	0
6,581	1977	3	10	13	0	0
6,582	1977	3	10	13	15	0
6,583	1977	3	10	13	30	0
6,584	1977	3	10	13	45	0
6,585	1977	3	10	14	0	0
6,586	1977	3	10	14	15	0
6,587	1977	3	10	14	30	0
6,588	1977	3	10	14	45	0
6,589	1977	3	10	15	0	0
6,590	1977	3	10	15	15	0
6,591	1977	3	10	15	30	0
6,592	1977	3	10	15	45	0
6,593	1977	3	10	16	0	0
6,594	1977	3	10	16	15	0
6,595	1977	3	10	16	30	0
6,596	1977	3	10	16	45	0
6,597	1977	3	10	17	0	0
6,598	1977	3	10	17	15	0
6,599	1977	3	10	17	30	0
6,600	1977	3	10	17	45	0
6,601	1977	3	10	18	0	0
6,602	1977	3	10	18	15	0
6,603	1977	3	10	18	30	0
6,604	1977	3	10	18	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
6,605	1977	3	10	19	0	0
6,606	1977	3	10	19	15	0
6,607	1977	3	10	19	30	0
6,608	1977	3	10	19	45	0
6,609	1977	3	10	20	0	0
6,610	1977	3	10	20	15	0
6,611	1977	3	10	20	30	0
6,612	1977	3	10	20	45	0
6,613	1977	3	10	21	0	0
6,614	1977	3	10	21	15	0
6,615	1977	3	10	21	30	0
6,616	1977	3	10	21	45	0
6,617	1977	3	10	22	0	0
6,618	1977	3	10	22	15	0
6,619	1977	3	10	22	30	0
6,620	1977	3	10	22	45	0
6,621	1977	3	10	23	0	0
6,622	1977	3	10	23	15	0
6,623	1977	3	10	23	30	0
6,624	1977	3	10	23	45	0
6,625	1977	3	11	0	0	0
6,626	1977	3	11	0	15	0
6,627	1977	3	11	0	30	0
6,628	1977	3	11	0	45	0
6,629	1977	3	11	1	0	0
6,630	1977	3	11	1	15	0
6,631	1977	3	11	1	30	0
6,632	1977	3	11	1	45	0
6,633	1977	3	11	2	0	0
6,634	1977	3	11	2	15	0
6,635	1977	3	11	2	30	0
6,636	1977	3	11	2	45	0
6,637	1977	3	11	3	0	0
6,638	1977	3	11	3	15	0
6,639	1977	3	11	3	30	0
6,640	1977	3	11	3	45	0
6,641	1977	3	11	4	0	0
6,642	1977	3	11	4	15	0
6,643	1977	3	11	4	30	0
6,644	1977	3	11	4	45	0
6,645	1977	3	11	5	0	0
6,646	1977	3	11	5	15	0
6,647	1977	3	11	5	30	0
6,648	1977	3	11	5	45	0
6,649	1977	3	11	6	0	0
6,650	1977	3	11	6	15	0
6,651	1977	3	11	6	30	0
6,652	1977	3	11	6	45	0
6,653	1977	3	11	7	0	0
6,654	1977	3	11	7	15	0
6,655	1977	3	11	7	30	0
6,656	1977	3	11	7	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
6,657	1977	3	11	8	0	0
6,658	1977	3	11	8	15	0
6,659	1977	3	11	8	30	0
6,660	1977	3	11	8	45	0
6,661	1977	3	11	9	0	0
6,662	1977	3	11	9	15	0
6,663	1977	3	11	9	30	0
6,664	1977	3	11	9	45	0
6,665	1977	3	11	10	0	0
6,666	1977	3	11	10	15	0
6,667	1977	3	11	10	30	0
6,668	1977	3	11	10	45	0
6,669	1977	3	11	11	0	0
6,670	1977	3	11	11	15	0
6,671	1977	3	11	11	30	0
6,672	1977	3	11	11	45	0
6,673	1977	3	11	12	0	0
6,674	1977	3	11	12	15	0
6,675	1977	3	11	12	30	0
6,676	1977	3	11	12	45	0
6,677	1977	3	11	13	0	0
6,678	1977	3	11	13	15	0
6,679	1977	3	11	13	30	0
6,680	1977	3	11	13	45	0
6,681	1977	3	11	14	0	0
6,682	1977	3	11	14	15	0
6,683	1977	3	11	14	30	0
6,684	1977	3	11	14	45	0
6,685	1977	3	11	15	0	0
6,686	1977	3	11	15	15	0
6,687	1977	3	11	15	30	0
6,688	1977	3	11	15	45	0
6,689	1977	3	11	16	0	0
6,690	1977	3	11	16	15	0
6,691	1977	3	11	16	30	0
6,692	1977	3	11	16	45	0
6,693	1977	3	11	17	0	0
6,694	1977	3	11	17	15	0
6,695	1977	3	11	17	30	0
6,696	1977	3	11	17	45	0
6,697	1977	3	11	18	0	0
6,698	1977	3	11	18	15	0
6,699	1977	3	11	18	30	0
6,700	1977	3	11	18	45	0
6,701	1977	3	11	19	0	0
6,702	1977	3	11	19	15	0
6,703	1977	3	11	19	30	0
6,704	1977	3	11	19	45	0
6,705	1977	3	11	20	0	0
6,706	1977	3	11	20	15	0
6,707	1977	3	11	20	30	0
6,708	1977	3	11	20	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
6,709	1977	3	11	21	0	0
6,710	1977	3	11	21	15	0
6,711	1977	3	11	21	30	0
6,712	1977	3	11	21	45	0
6,713	1977	3	11	22	0	0
6,714	1977	3	11	22	15	0
6,715	1977	3	11	22	30	0
6,716	1977	3	11	22	45	0
6,717	1977	3	11	23	0	0
6,718	1977	3	11	23	15	0
6,719	1977	3	11	23	30	0
6,720	1977	3	11	23	45	0
6,721	1977	3	12	0	0	0
6,722	1977	3	12	0	15	0
6,723	1977	3	12	0	30	0
6,724	1977	3	12	0	45	0
6,725	1977	3	12	1	0	0
6,726	1977	3	12	1	15	0
6,727	1977	3	12	1	30	0
6,728	1977	3	12	1	45	0
6,729	1977	3	12	2	0	0
6,730	1977	3	12	2	15	0
6,731	1977	3	12	2	30	0
6,732	1977	3	12	2	45	0
6,733	1977	3	12	3	0	0
6,734	1977	3	12	3	15	0
6,735	1977	3	12	3	30	0
6,736	1977	3	12	3	45	0
6,737	1977	3	12	4	0	0
6,738	1977	3	12	4	15	0
6,739	1977	3	12	4	30	0
6,740	1977	3	12	4	45	0
6,741	1977	3	12	5	0	0
6,742	1977	3	12	5	15	0
6,743	1977	3	12	5	30	0
6,744	1977	3	12	5	45	0
6,745	1977	3	12	6	0	0
6,746	1977	3	12	6	15	0
6,747	1977	3	12	6	30	0
6,748	1977	3	12	6	45	0
6,749	1977	3	12	7	0	0
6,750	1977	3	12	7	15	0
6,751	1977	3	12	7	30	0
6,752	1977	3	12	7	45	0
6,753	1977	3	12	8	0	0
6,754	1977	3	12	8	15	0
6,755	1977	3	12	8	30	0
6,756	1977	3	12	8	45	0
6,757	1977	3	12	9	0	0
6,758	1977	3	12	9	15	0
6,759	1977	3	12	9	30	0
6,760	1977	3	12	9	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
6,761	1977	3	12	10	0	0
6,762	1977	3	12	10	15	0
6,763	1977	3	12	10	30	0
6,764	1977	3	12	10	45	0
6,765	1977	3	12	11	0	0
6,766	1977	3	12	11	15	0
6,767	1977	3	12	11	30	0
6,768	1977	3	12	11	45	0
6,769	1977	3	12	12	0	0.0025
6,770	1977	3	12	12	15	0.0025
6,771	1977	3	12	12	30	0.0025
6,772	1977	3	12	12	45	0.0025
6,773	1977	3	12	13	0	0.01
6,774	1977	3	12	13	15	0.01
6,775	1977	3	12	13	30	0.01
6,776	1977	3	12	13	45	0.01
6,777	1977	3	12	14	0	0.0075
6,778	1977	3	12	14	15	0.0075
6,779	1977	3	12	14	30	0.0075
6,780	1977	3	12	14	45	0.0075
6,781	1977	3	12	15	0	0.0375
6,782	1977	3	12	15	15	0.0375
6,783	1977	3	12	15	30	0.0375
6,784	1977	3	12	15	45	0.0375
6,785	1977	3	12	16	0	0.0425
6,786	1977	3	12	16	15	0.0425
6,787	1977	3	12	16	30	0.0425
6,788	1977	3	12	16	45	0.0425
6,789	1977	3	12	17	0	0
6,790	1977	3	12	17	15	0
6,791	1977	3	12	17	30	0
6,792	1977	3	12	17	45	0
6,793	1977	3	12	18	0	0.0025
6,794	1977	3	12	18	15	0.0025
6,795	1977	3	12	18	30	0.0025
6,796	1977	3	12	18	45	0.0025
6,797	1977	3	12	19	0	0.025
6,798	1977	3	12	19	15	0.025
6,799	1977	3	12	19	30	0.025
6,800	1977	3	12	19	45	0.025
6,801	1977	3	12	20	0	0.0025
6,802	1977	3	12	20	15	0.0025
6,803	1977	3	12	20	30	0.0025
6,804	1977	3	12	20	45	0.0025
6,805	1977	3	12	21	0	0.0225
6,806	1977	3	12	21	15	0.0225
6,807	1977	3	12	21	30	0.0225
6,808	1977	3	12	21	45	0.0225
6,809	1977	3	12	22	0	0.0325
6,810	1977	3	12	22	15	0.0325
6,811	1977	3	12	22	30	0.0325
6,812	1977	3	12	22	45	0.0325

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
6,813	1977	3	12	23	0	0.0675
6,814	1977	3	12	23	15	0.0675
6,815	1977	3	12	23	30	0.0675
6,816	1977	3	12	23	45	0.0675
6,817	1977	3	13	0	0	0
6,818	1977	3	13	0	15	0
6,819	1977	3	13	0	30	0
6,820	1977	3	13	0	45	0
6,821	1977	3	13	1	0	0
6,822	1977	3	13	1	15	0
6,823	1977	3	13	1	30	0
6,824	1977	3	13	1	45	0
6,825	1977	3	13	2	0	0
6,826	1977	3	13	2	15	0
6,827	1977	3	13	2	30	0
6,828	1977	3	13	2	45	0
6,829	1977	3	13	3	0	0
6,830	1977	3	13	3	15	0
6,831	1977	3	13	3	30	0
6,832	1977	3	13	3	45	0
6,833	1977	3	13	4	0	0
6,834	1977	3	13	4	15	0
6,835	1977	3	13	4	30	0
6,836	1977	3	13	4	45	0
6,837	1977	3	13	5	0	0
6,838	1977	3	13	5	15	0
6,839	1977	3	13	5	30	0
6,840	1977	3	13	5	45	0
6,841	1977	3	13	6	0	0
6,842	1977	3	13	6	15	0
6,843	1977	3	13	6	30	0
6,844	1977	3	13	6	45	0
6,845	1977	3	13	7	0	0
6,846	1977	3	13	7	15	0
6,847	1977	3	13	7	30	0
6,848	1977	3	13	7	45	0
6,849	1977	3	13	8	0	0
6,850	1977	3	13	8	15	0
6,851	1977	3	13	8	30	0
6,852	1977	3	13	8	45	0
6,853	1977	3	13	9	0	0
6,854	1977	3	13	9	15	0
6,855	1977	3	13	9	30	0
6,856	1977	3	13	9	45	0
6,857	1977	3	13	10	0	0
6,858	1977	3	13	10	15	0
6,859	1977	3	13	10	30	0
6,860	1977	3	13	10	45	0
6,861	1977	3	13	11	0	0
6,862	1977	3	13	11	15	0
6,863	1977	3	13	11	30	0
6,864	1977	3	13	11	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
6,865	1977	3	13	12	0	0
6,866	1977	3	13	12	15	0
6,867	1977	3	13	12	30	0
6,868	1977	3	13	12	45	0
6,869	1977	3	13	13	0	0
6,870	1977	3	13	13	15	0
6,871	1977	3	13	13	30	0
6,872	1977	3	13	13	45	0
6,873	1977	3	13	14	0	0
6,874	1977	3	13	14	15	0
6,875	1977	3	13	14	30	0
6,876	1977	3	13	14	45	0
6,877	1977	3	13	15	0	0
6,878	1977	3	13	15	15	0
6,879	1977	3	13	15	30	0
6,880	1977	3	13	15	45	0
6,881	1977	3	13	16	0	0
6,882	1977	3	13	16	15	0
6,883	1977	3	13	16	30	0
6,884	1977	3	13	16	45	0
6,885	1977	3	13	17	0	0
6,886	1977	3	13	17	15	0
6,887	1977	3	13	17	30	0
6,888	1977	3	13	17	45	0
6,889	1977	3	13	18	0	0
6,890	1977	3	13	18	15	0
6,891	1977	3	13	18	30	0
6,892	1977	3	13	18	45	0
6,893	1977	3	13	19	0	0
6,894	1977	3	13	19	15	0
6,895	1977	3	13	19	30	0
6,896	1977	3	13	19	45	0
6,897	1977	3	13	20	0	0
6,898	1977	3	13	20	15	0
6,899	1977	3	13	20	30	0
6,900	1977	3	13	20	45	0
6,901	1977	3	13	21	0	0
6,902	1977	3	13	21	15	0
6,903	1977	3	13	21	30	0
6,904	1977	3	13	21	45	0
6,905	1977	3	13	22	0	0
6,906	1977	3	13	22	15	0
6,907	1977	3	13	22	30	0
6,908	1977	3	13	22	45	0
6,909	1977	3	13	23	0	0
6,910	1977	3	13	23	15	0
6,911	1977	3	13	23	30	0
6,912	1977	3	13	23	45	0
6,913	1977	3	14	0	0	0
6,914	1977	3	14	0	15	0
6,915	1977	3	14	0	30	0
6,916	1977	3	14	0	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
6,917	1977	3	14	1	0	0
6,918	1977	3	14	1	15	0
6,919	1977	3	14	1	30	0
6,920	1977	3	14	1	45	0
6,921	1977	3	14	2	0	0
6,922	1977	3	14	2	15	0
6,923	1977	3	14	2	30	0
6,924	1977	3	14	2	45	0
6,925	1977	3	14	3	0	0
6,926	1977	3	14	3	15	0
6,927	1977	3	14	3	30	0
6,928	1977	3	14	3	45	0
6,929	1977	3	14	4	0	0
6,930	1977	3	14	4	15	0
6,931	1977	3	14	4	30	0
6,932	1977	3	14	4	45	0
6,933	1977	3	14	5	0	0
6,934	1977	3	14	5	15	0
6,935	1977	3	14	5	30	0
6,936	1977	3	14	5	45	0
6,937	1977	3	14	6	0	0
6,938	1977	3	14	6	15	0
6,939	1977	3	14	6	30	0
6,940	1977	3	14	6	45	0
6,941	1977	3	14	7	0	0
6,942	1977	3	14	7	15	0
6,943	1977	3	14	7	30	0
6,944	1977	3	14	7	45	0
6,945	1977	3	14	8	0	0
6,946	1977	3	14	8	15	0
6,947	1977	3	14	8	30	0
6,948	1977	3	14	8	45	0
6,949	1977	3	14	9	0	0
6,950	1977	3	14	9	15	0
6,951	1977	3	14	9	30	0
6,952	1977	3	14	9	45	0
6,953	1977	3	14	10	0	0
6,954	1977	3	14	10	15	0
6,955	1977	3	14	10	30	0
6,956	1977	3	14	10	45	0
6,957	1977	3	14	11	0	0
6,958	1977	3	14	11	15	0
6,959	1977	3	14	11	30	0
6,960	1977	3	14	11	45	0
6,961	1977	3	14	12	0	0
6,962	1977	3	14	12	15	0
6,963	1977	3	14	12	30	0
6,964	1977	3	14	12	45	0
6,965	1977	3	14	13	0	0
6,966	1977	3	14	13	15	0
6,967	1977	3	14	13	30	0
6,968	1977	3	14	13	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
6,969	1977	3	14	14	0	0
6,970	1977	3	14	14	15	0
6,971	1977	3	14	14	30	0
6,972	1977	3	14	14	45	0
6,973	1977	3	14	15	0	0
6,974	1977	3	14	15	15	0
6,975	1977	3	14	15	30	0
6,976	1977	3	14	15	45	0
6,977	1977	3	14	16	0	0
6,978	1977	3	14	16	15	0
6,979	1977	3	14	16	30	0
6,980	1977	3	14	16	45	0
6,981	1977	3	14	17	0	0
6,982	1977	3	14	17	15	0
6,983	1977	3	14	17	30	0
6,984	1977	3	14	17	45	0
6,985	1977	3	14	18	0	0
6,986	1977	3	14	18	15	0
6,987	1977	3	14	18	30	0
6,988	1977	3	14	18	45	0
6,989	1977	3	14	19	0	0
6,990	1977	3	14	19	15	0
6,991	1977	3	14	19	30	0
6,992	1977	3	14	19	45	0
6,993	1977	3	14	20	0	0
6,994	1977	3	14	20	15	0
6,995	1977	3	14	20	30	0
6,996	1977	3	14	20	45	0
6,997	1977	3	14	21	0	0
6,998	1977	3	14	21	15	0
6,999	1977	3	14	21	30	0
7,000	1977	3	14	21	45	0
7,001	1977	3	14	22	0	0
7,002	1977	3	14	22	15	0
7,003	1977	3	14	22	30	0
7,004	1977	3	14	22	45	0
7,005	1977	3	14	23	0	0
7,006	1977	3	14	23	15	0
7,007	1977	3	14	23	30	0
7,008	1977	3	14	23	45	0
7,009	1977	3	15	0	0	0
7,010	1977	3	15	0	15	0
7,011	1977	3	15	0	30	0
7,012	1977	3	15	0	45	0
7,013	1977	3	15	1	0	0
7,014	1977	3	15	1	15	0
7,015	1977	3	15	1	30	0
7,016	1977	3	15	1	45	0
7,017	1977	3	15	2	0	0
7,018	1977	3	15	2	15	0
7,019	1977	3	15	2	30	0
7,020	1977	3	15	2	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
7,021	1977	3	15	3	0	0
7,022	1977	3	15	3	15	0
7,023	1977	3	15	3	30	0
7,024	1977	3	15	3	45	0
7,025	1977	3	15	4	0	0
7,026	1977	3	15	4	15	0
7,027	1977	3	15	4	30	0
7,028	1977	3	15	4	45	0
7,029	1977	3	15	5	0	0
7,030	1977	3	15	5	15	0
7,031	1977	3	15	5	30	0
7,032	1977	3	15	5	45	0
7,033	1977	3	15	6	0	0
7,034	1977	3	15	6	15	0
7,035	1977	3	15	6	30	0
7,036	1977	3	15	6	45	0
7,037	1977	3	15	7	0	0
7,038	1977	3	15	7	15	0
7,039	1977	3	15	7	30	0
7,040	1977	3	15	7	45	0
7,041	1977	3	15	8	0	0
7,042	1977	3	15	8	15	0
7,043	1977	3	15	8	30	0
7,044	1977	3	15	8	45	0
7,045	1977	3	15	9	0	0
7,046	1977	3	15	9	15	0
7,047	1977	3	15	9	30	0
7,048	1977	3	15	9	45	0
7,049	1977	3	15	10	0	0
7,050	1977	3	15	10	15	0
7,051	1977	3	15	10	30	0
7,052	1977	3	15	10	45	0
7,053	1977	3	15	11	0	0
7,054	1977	3	15	11	15	0
7,055	1977	3	15	11	30	0
7,056	1977	3	15	11	45	0
7,057	1977	3	15	12	0	0
7,058	1977	3	15	12	15	0
7,059	1977	3	15	12	30	0
7,060	1977	3	15	12	45	0
7,061	1977	3	15	13	0	0
7,062	1977	3	15	13	15	0
7,063	1977	3	15	13	30	0
7,064	1977	3	15	13	45	0
7,065	1977	3	15	14	0	0
7,066	1977	3	15	14	15	0
7,067	1977	3	15	14	30	0
7,068	1977	3	15	14	45	0
7,069	1977	3	15	15	0	0
7,070	1977	3	15	15	15	0
7,071	1977	3	15	15	30	0
7,072	1977	3	15	15	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
7,073	1977	3	15	16	0	0
7,074	1977	3	15	16	15	0
7,075	1977	3	15	16	30	0
7,076	1977	3	15	16	45	0
7,077	1977	3	15	17	0	0
7,078	1977	3	15	17	15	0
7,079	1977	3	15	17	30	0
7,080	1977	3	15	17	45	0
7,081	1977	3	15	18	0	0
7,082	1977	3	15	18	15	0
7,083	1977	3	15	18	30	0
7,084	1977	3	15	18	45	0
7,085	1977	3	15	19	0	0
7,086	1977	3	15	19	15	0
7,087	1977	3	15	19	30	0
7,088	1977	3	15	19	45	0
7,089	1977	3	15	20	0	0
7,090	1977	3	15	20	15	0
7,091	1977	3	15	20	30	0
7,092	1977	3	15	20	45	0
7,093	1977	3	15	21	0	0
7,094	1977	3	15	21	15	0
7,095	1977	3	15	21	30	0
7,096	1977	3	15	21	45	0
7,097	1977	3	15	22	0	0
7,098	1977	3	15	22	15	0
7,099	1977	3	15	22	30	0
7,100	1977	3	15	22	45	0
7,101	1977	3	15	23	0	0.005
7,102	1977	3	15	23	15	0.005
7,103	1977	3	15	23	30	0.005
7,104	1977	3	15	23	45	0.005
7,105	1977	3	16	0	0	0
7,106	1977	3	16	0	15	0
7,107	1977	3	16	0	30	0
7,108	1977	3	16	0	45	0
7,109	1977	3	16	1	0	0
7,110	1977	3	16	1	15	0
7,111	1977	3	16	1	30	0
7,112	1977	3	16	1	45	0
7,113	1977	3	16	2	0	0
7,114	1977	3	16	2	15	0
7,115	1977	3	16	2	30	0
7,116	1977	3	16	2	45	0
7,117	1977	3	16	3	0	0
7,118	1977	3	16	3	15	0
7,119	1977	3	16	3	30	0
7,120	1977	3	16	3	45	0
7,121	1977	3	16	4	0	0
7,122	1977	3	16	4	15	0
7,123	1977	3	16	4	30	0
7,124	1977	3	16	4	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
7,125	1977	3	16	5	0	0
7,126	1977	3	16	5	15	0
7,127	1977	3	16	5	30	0
7,128	1977	3	16	5	45	0
7,129	1977	3	16	6	0	0
7,130	1977	3	16	6	15	0
7,131	1977	3	16	6	30	0
7,132	1977	3	16	6	45	0
7,133	1977	3	16	7	0	0
7,134	1977	3	16	7	15	0
7,135	1977	3	16	7	30	0
7,136	1977	3	16	7	45	0
7,137	1977	3	16	8	0	0
7,138	1977	3	16	8	15	0
7,139	1977	3	16	8	30	0
7,140	1977	3	16	8	45	0
7,141	1977	3	16	9	0	0
7,142	1977	3	16	9	15	0
7,143	1977	3	16	9	30	0
7,144	1977	3	16	9	45	0
7,145	1977	3	16	10	0	0
7,146	1977	3	16	10	15	0
7,147	1977	3	16	10	30	0
7,148	1977	3	16	10	45	0
7,149	1977	3	16	11	0	0
7,150	1977	3	16	11	15	0
7,151	1977	3	16	11	30	0
7,152	1977	3	16	11	45	0
7,153	1977	3	16	12	0	0
7,154	1977	3	16	12	15	0
7,155	1977	3	16	12	30	0
7,156	1977	3	16	12	45	0
7,157	1977	3	16	13	0	0
7,158	1977	3	16	13	15	0
7,159	1977	3	16	13	30	0
7,160	1977	3	16	13	45	0
7,161	1977	3	16	14	0	0
7,162	1977	3	16	14	15	0
7,163	1977	3	16	14	30	0
7,164	1977	3	16	14	45	0
7,165	1977	3	16	15	0	0
7,166	1977	3	16	15	15	0
7,167	1977	3	16	15	30	0
7,168	1977	3	16	15	45	0
7,169	1977	3	16	16	0	0
7,170	1977	3	16	16	15	0
7,171	1977	3	16	16	30	0
7,172	1977	3	16	16	45	0
7,173	1977	3	16	17	0	0
7,174	1977	3	16	17	15	0
7,175	1977	3	16	17	30	0
7,176	1977	3	16	17	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
7,177	1977	3	16	18	0	0
7,178	1977	3	16	18	15	0
7,179	1977	3	16	18	30	0
7,180	1977	3	16	18	45	0
7,181	1977	3	16	19	0	0
7,182	1977	3	16	19	15	0
7,183	1977	3	16	19	30	0
7,184	1977	3	16	19	45	0
7,185	1977	3	16	20	0	0
7,186	1977	3	16	20	15	0
7,187	1977	3	16	20	30	0
7,188	1977	3	16	20	45	0
7,189	1977	3	16	21	0	0
7,190	1977	3	16	21	15	0
7,191	1977	3	16	21	30	0
7,192	1977	3	16	21	45	0
7,193	1977	3	16	22	0	0
7,194	1977	3	16	22	15	0
7,195	1977	3	16	22	30	0
7,196	1977	3	16	22	45	0
7,197	1977	3	16	23	0	0
7,198	1977	3	16	23	15	0
7,199	1977	3	16	23	30	0
7,200	1977	3	16	23	45	0
7,201	1977	3	17	0	0	0
7,202	1977	3	17	0	15	0
7,203	1977	3	17	0	30	0
7,204	1977	3	17	0	45	0
7,205	1977	3	17	1	0	0
7,206	1977	3	17	1	15	0
7,207	1977	3	17	1	30	0
7,208	1977	3	17	1	45	0
7,209	1977	3	17	2	0	0
7,210	1977	3	17	2	15	0
7,211	1977	3	17	2	30	0
7,212	1977	3	17	2	45	0
7,213	1977	3	17	3	0	0
7,214	1977	3	17	3	15	0
7,215	1977	3	17	3	30	0
7,216	1977	3	17	3	45	0
7,217	1977	3	17	4	0	0
7,218	1977	3	17	4	15	0
7,219	1977	3	17	4	30	0
7,220	1977	3	17	4	45	0
7,221	1977	3	17	5	0	0
7,222	1977	3	17	5	15	0
7,223	1977	3	17	5	30	0
7,224	1977	3	17	5	45	0
7,225	1977	3	17	6	0	0
7,226	1977	3	17	6	15	0
7,227	1977	3	17	6	30	0
7,228	1977	3	17	6	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
7,229	1977	3	17	7	0	0
7,230	1977	3	17	7	15	0
7,231	1977	3	17	7	30	0
7,232	1977	3	17	7	45	0
7,233	1977	3	17	8	0	0
7,234	1977	3	17	8	15	0
7,235	1977	3	17	8	30	0
7,236	1977	3	17	8	45	0
7,237	1977	3	17	9	0	0
7,238	1977	3	17	9	15	0
7,239	1977	3	17	9	30	0
7,240	1977	3	17	9	45	0
7,241	1977	3	17	10	0	0
7,242	1977	3	17	10	15	0
7,243	1977	3	17	10	30	0
7,244	1977	3	17	10	45	0
7,245	1977	3	17	11	0	0
7,246	1977	3	17	11	15	0
7,247	1977	3	17	11	30	0
7,248	1977	3	17	11	45	0
7,249	1977	3	17	12	0	0
7,250	1977	3	17	12	15	0
7,251	1977	3	17	12	30	0
7,252	1977	3	17	12	45	0
7,253	1977	3	17	13	0	0
7,254	1977	3	17	13	15	0
7,255	1977	3	17	13	30	0
7,256	1977	3	17	13	45	0
7,257	1977	3	17	14	0	0
7,258	1977	3	17	14	15	0
7,259	1977	3	17	14	30	0
7,260	1977	3	17	14	45	0
7,261	1977	3	17	15	0	0
7,262	1977	3	17	15	15	0
7,263	1977	3	17	15	30	0
7,264	1977	3	17	15	45	0
7,265	1977	3	17	16	0	0
7,266	1977	3	17	16	15	0
7,267	1977	3	17	16	30	0
7,268	1977	3	17	16	45	0
7,269	1977	3	17	17	0	0
7,270	1977	3	17	17	15	0
7,271	1977	3	17	17	30	0
7,272	1977	3	17	17	45	0
7,273	1977	3	17	18	0	0
7,274	1977	3	17	18	15	0
7,275	1977	3	17	18	30	0
7,276	1977	3	17	18	45	0
7,277	1977	3	17	19	0	0
7,278	1977	3	17	19	15	0
7,279	1977	3	17	19	30	0
7,280	1977	3	17	19	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
7,281	1977	3	17	20	0	0
7,282	1977	3	17	20	15	0
7,283	1977	3	17	20	30	0
7,284	1977	3	17	20	45	0
7,285	1977	3	17	21	0	0
7,286	1977	3	17	21	15	0
7,287	1977	3	17	21	30	0
7,288	1977	3	17	21	45	0
7,289	1977	3	17	22	0	0
7,290	1977	3	17	22	15	0
7,291	1977	3	17	22	30	0
7,292	1977	3	17	22	45	0
7,293	1977	3	17	23	0	0.0025
7,294	1977	3	17	23	15	0.0025
7,295	1977	3	17	23	30	0.0025
7,296	1977	3	17	23	45	0.0025
7,297	1977	3	18	0	0	0.02
7,298	1977	3	18	0	15	0.02
7,299	1977	3	18	0	30	0.02
7,300	1977	3	18	0	45	0.02
7,301	1977	3	18	1	0	0.0225
7,302	1977	3	18	1	15	0.0225
7,303	1977	3	18	1	30	0.0225
7,304	1977	3	18	1	45	0.0225
7,305	1977	3	18	2	0	0.0675
7,306	1977	3	18	2	15	0.0675
7,307	1977	3	18	2	30	0.0675
7,308	1977	3	18	2	45	0.0675
7,309	1977	3	18	3	0	0.075
7,310	1977	3	18	3	15	0.075
7,311	1977	3	18	3	30	0.075
7,312	1977	3	18	3	45	0.075
7,313	1977	3	18	4	0	0.03
7,314	1977	3	18	4	15	0.03
7,315	1977	3	18	4	30	0.03
7,316	1977	3	18	4	45	0.03
7,317	1977	3	18	5	0	0.035
7,318	1977	3	18	5	15	0.035
7,319	1977	3	18	5	30	0.035
7,320	1977	3	18	5	45	0.035
7,321	1977	3	18	6	0	0.025
7,322	1977	3	18	6	15	0.025
7,323	1977	3	18	6	30	0.025
7,324	1977	3	18	6	45	0.025
7,325	1977	3	18	7	0	0.0075
7,326	1977	3	18	7	15	0.0075
7,327	1977	3	18	7	30	0.0075
7,328	1977	3	18	7	45	0.0075
7,329	1977	3	18	8	0	0
7,330	1977	3	18	8	15	0
7,331	1977	3	18	8	30	0
7,332	1977	3	18	8	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
7,333	1977	3	18	9	0	0.005
7,334	1977	3	18	9	15	0.005
7,335	1977	3	18	9	30	0.005
7,336	1977	3	18	9	45	0.005
7,337	1977	3	18	10	0	0.04
7,338	1977	3	18	10	15	0.04
7,339	1977	3	18	10	30	0.04
7,340	1977	3	18	10	45	0.04
7,341	1977	3	18	11	0	0.005
7,342	1977	3	18	11	15	0.005
7,343	1977	3	18	11	30	0.005
7,344	1977	3	18	11	45	0.005
7,345	1977	3	18	12	0	0
7,346	1977	3	18	12	15	0
7,347	1977	3	18	12	30	0
7,348	1977	3	18	12	45	0
7,349	1977	3	18	13	0	0
7,350	1977	3	18	13	15	0
7,351	1977	3	18	13	30	0
7,352	1977	3	18	13	45	0
7,353	1977	3	18	14	0	0.015
7,354	1977	3	18	14	15	0.015
7,355	1977	3	18	14	30	0.015
7,356	1977	3	18	14	45	0.015
7,357	1977	3	18	15	0	0.0025
7,358	1977	3	18	15	15	0.0025
7,359	1977	3	18	15	30	0.0025
7,360	1977	3	18	15	45	0.0025
7,361	1977	3	18	16	0	0
7,362	1977	3	18	16	15	0
7,363	1977	3	18	16	30	0
7,364	1977	3	18	16	45	0
7,365	1977	3	18	17	0	0.0025
7,366	1977	3	18	17	15	0.0025
7,367	1977	3	18	17	30	0.0025
7,368	1977	3	18	17	45	0.0025
7,369	1977	3	18	18	0	0
7,370	1977	3	18	18	15	0
7,371	1977	3	18	18	30	0
7,372	1977	3	18	18	45	0
7,373	1977	3	18	19	0	0.0025
7,374	1977	3	18	19	15	0.0025
7,375	1977	3	18	19	30	0.0025
7,376	1977	3	18	19	45	0.0025
7,377	1977	3	18	20	0	0.0025
7,378	1977	3	18	20	15	0.0025
7,379	1977	3	18	20	30	0.0025
7,380	1977	3	18	20	45	0.0025
7,381	1977	3	18	21	0	0.0025
7,382	1977	3	18	21	15	0.0025
7,383	1977	3	18	21	30	0.0025
7,384	1977	3	18	21	45	0.0025

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
7,385	1977	3	18	22	0	0
7,386	1977	3	18	22	15	0
7,387	1977	3	18	22	30	0
7,388	1977	3	18	22	45	0
7,389	1977	3	18	23	0	0
7,390	1977	3	18	23	15	0
7,391	1977	3	18	23	30	0
7,392	1977	3	18	23	45	0
7,393	1977	3	19	0	0	0
7,394	1977	3	19	0	15	0
7,395	1977	3	19	0	30	0
7,396	1977	3	19	0	45	0
7,397	1977	3	19	1	0	0
7,398	1977	3	19	1	15	0
7,399	1977	3	19	1	30	0
7,400	1977	3	19	1	45	0
7,401	1977	3	19	2	0	0
7,402	1977	3	19	2	15	0
7,403	1977	3	19	2	30	0
7,404	1977	3	19	2	45	0
7,405	1977	3	19	3	0	0
7,406	1977	3	19	3	15	0
7,407	1977	3	19	3	30	0
7,408	1977	3	19	3	45	0
7,409	1977	3	19	4	0	0
7,410	1977	3	19	4	15	0
7,411	1977	3	19	4	30	0
7,412	1977	3	19	4	45	0
7,413	1977	3	19	5	0	0
7,414	1977	3	19	5	15	0
7,415	1977	3	19	5	30	0
7,416	1977	3	19	5	45	0
7,417	1977	3	19	6	0	0
7,418	1977	3	19	6	15	0
7,419	1977	3	19	6	30	0
7,420	1977	3	19	6	45	0
7,421	1977	3	19	7	0	0
7,422	1977	3	19	7	15	0
7,423	1977	3	19	7	30	0
7,424	1977	3	19	7	45	0
7,425	1977	3	19	8	0	0
7,426	1977	3	19	8	15	0
7,427	1977	3	19	8	30	0
7,428	1977	3	19	8	45	0
7,429	1977	3	19	9	0	0
7,430	1977	3	19	9	15	0
7,431	1977	3	19	9	30	0
7,432	1977	3	19	9	45	0
7,433	1977	3	19	10	0	0
7,434	1977	3	19	10	15	0
7,435	1977	3	19	10	30	0
7,436	1977	3	19	10	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
7,437	1977	3	19	11	0	0
7,438	1977	3	19	11	15	0
7,439	1977	3	19	11	30	0
7,440	1977	3	19	11	45	0
7,441	1977	3	19	12	0	0
7,442	1977	3	19	12	15	0
7,443	1977	3	19	12	30	0
7,444	1977	3	19	12	45	0
7,445	1977	3	19	13	0	0
7,446	1977	3	19	13	15	0
7,447	1977	3	19	13	30	0
7,448	1977	3	19	13	45	0
7,449	1977	3	19	14	0	0
7,450	1977	3	19	14	15	0
7,451	1977	3	19	14	30	0
7,452	1977	3	19	14	45	0
7,453	1977	3	19	15	0	0
7,454	1977	3	19	15	15	0
7,455	1977	3	19	15	30	0
7,456	1977	3	19	15	45	0
7,457	1977	3	19	16	0	0
7,458	1977	3	19	16	15	0
7,459	1977	3	19	16	30	0
7,460	1977	3	19	16	45	0
7,461	1977	3	19	17	0	0
7,462	1977	3	19	17	15	0
7,463	1977	3	19	17	30	0
7,464	1977	3	19	17	45	0
7,465	1977	3	19	18	0	0
7,466	1977	3	19	18	15	0
7,467	1977	3	19	18	30	0
7,468	1977	3	19	18	45	0
7,469	1977	3	19	19	0	0
7,470	1977	3	19	19	15	0
7,471	1977	3	19	19	30	0
7,472	1977	3	19	19	45	0
7,473	1977	3	19	20	0	0
7,474	1977	3	19	20	15	0
7,475	1977	3	19	20	30	0
7,476	1977	3	19	20	45	0
7,477	1977	3	19	21	0	0
7,478	1977	3	19	21	15	0
7,479	1977	3	19	21	30	0
7,480	1977	3	19	21	45	0
7,481	1977	3	19	22	0	0
7,482	1977	3	19	22	15	0
7,483	1977	3	19	22	30	0
7,484	1977	3	19	22	45	0
7,485	1977	3	19	23	0	0
7,486	1977	3	19	23	15	0
7,487	1977	3	19	23	30	0
7,488	1977	3	19	23	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
7,489	1977	3	20	0	0	0
7,490	1977	3	20	0	15	0
7,491	1977	3	20	0	30	0
7,492	1977	3	20	0	45	0
7,493	1977	3	20	1	0	0
7,494	1977	3	20	1	15	0
7,495	1977	3	20	1	30	0
7,496	1977	3	20	1	45	0
7,497	1977	3	20	2	0	0
7,498	1977	3	20	2	15	0
7,499	1977	3	20	2	30	0
7,500	1977	3	20	2	45	0
7,501	1977	3	20	3	0	0
7,502	1977	3	20	3	15	0
7,503	1977	3	20	3	30	0
7,504	1977	3	20	3	45	0
7,505	1977	3	20	4	0	0
7,506	1977	3	20	4	15	0
7,507	1977	3	20	4	30	0
7,508	1977	3	20	4	45	0
7,509	1977	3	20	5	0	0.0075
7,510	1977	3	20	5	15	0.0075
7,511	1977	3	20	5	30	0.0075
7,512	1977	3	20	5	45	0.0075
7,513	1977	3	20	6	0	0.0375
7,514	1977	3	20	6	15	0.0375
7,515	1977	3	20	6	30	0.0375
7,516	1977	3	20	6	45	0.0375
7,517	1977	3	20	7	0	0.0125
7,518	1977	3	20	7	15	0.0125
7,519	1977	3	20	7	30	0.0125
7,520	1977	3	20	7	45	0.0125
7,521	1977	3	20	8	0	0
7,522	1977	3	20	8	15	0
7,523	1977	3	20	8	30	0
7,524	1977	3	20	8	45	0
7,525	1977	3	20	9	0	0
7,526	1977	3	20	9	15	0
7,527	1977	3	20	9	30	0
7,528	1977	3	20	9	45	0
7,529	1977	3	20	10	0	0.0025
7,530	1977	3	20	10	15	0.0025
7,531	1977	3	20	10	30	0.0025
7,532	1977	3	20	10	45	0.0025
7,533	1977	3	20	11	0	0.0025
7,534	1977	3	20	11	15	0.0025
7,535	1977	3	20	11	30	0.0025
7,536	1977	3	20	11	45	0.0025
7,537	1977	3	20	12	0	0.0075
7,538	1977	3	20	12	15	0.0075
7,539	1977	3	20	12	30	0.0075
7,540	1977	3	20	12	45	0.0075

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
7,541	1977	3	20	13	0	0
7,542	1977	3	20	13	15	0
7,543	1977	3	20	13	30	0
7,544	1977	3	20	13	45	0
7,545	1977	3	20	14	0	0
7,546	1977	3	20	14	15	0
7,547	1977	3	20	14	30	0
7,548	1977	3	20	14	45	0
7,549	1977	3	20	15	0	0
7,550	1977	3	20	15	15	0
7,551	1977	3	20	15	30	0
7,552	1977	3	20	15	45	0
7,553	1977	3	20	16	0	0
7,554	1977	3	20	16	15	0
7,555	1977	3	20	16	30	0
7,556	1977	3	20	16	45	0
7,557	1977	3	20	17	0	0
7,558	1977	3	20	17	15	0
7,559	1977	3	20	17	30	0
7,560	1977	3	20	17	45	0
7,561	1977	3	20	18	0	0
7,562	1977	3	20	18	15	0
7,563	1977	3	20	18	30	0
7,564	1977	3	20	18	45	0
7,565	1977	3	20	19	0	0
7,566	1977	3	20	19	15	0
7,567	1977	3	20	19	30	0
7,568	1977	3	20	19	45	0
7,569	1977	3	20	20	0	0
7,570	1977	3	20	20	15	0
7,571	1977	3	20	20	30	0
7,572	1977	3	20	20	45	0
7,573	1977	3	20	21	0	0
7,574	1977	3	20	21	15	0
7,575	1977	3	20	21	30	0
7,576	1977	3	20	21	45	0
7,577	1977	3	20	22	0	0
7,578	1977	3	20	22	15	0
7,579	1977	3	20	22	30	0
7,580	1977	3	20	22	45	0
7,581	1977	3	20	23	0	0
7,582	1977	3	20	23	15	0
7,583	1977	3	20	23	30	0
7,584	1977	3	20	23	45	0
7,585	1977	3	21	0	0	0
7,586	1977	3	21	0	15	0
7,587	1977	3	21	0	30	0
7,588	1977	3	21	0	45	0
7,589	1977	3	21	1	0	0
7,590	1977	3	21	1	15	0
7,591	1977	3	21	1	30	0
7,592	1977	3	21	1	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
7,593	1977	3	21	2	0	0
7,594	1977	3	21	2	15	0
7,595	1977	3	21	2	30	0
7,596	1977	3	21	2	45	0
7,597	1977	3	21	3	0	0
7,598	1977	3	21	3	15	0
7,599	1977	3	21	3	30	0
7,600	1977	3	21	3	45	0
7,601	1977	3	21	4	0	0
7,602	1977	3	21	4	15	0
7,603	1977	3	21	4	30	0
7,604	1977	3	21	4	45	0
7,605	1977	3	21	5	0	0
7,606	1977	3	21	5	15	0
7,607	1977	3	21	5	30	0
7,608	1977	3	21	5	45	0
7,609	1977	3	21	6	0	0
7,610	1977	3	21	6	15	0
7,611	1977	3	21	6	30	0
7,612	1977	3	21	6	45	0
7,613	1977	3	21	7	0	0
7,614	1977	3	21	7	15	0
7,615	1977	3	21	7	30	0
7,616	1977	3	21	7	45	0
7,617	1977	3	21	8	0	0
7,618	1977	3	21	8	15	0
7,619	1977	3	21	8	30	0
7,620	1977	3	21	8	45	0
7,621	1977	3	21	9	0	0
7,622	1977	3	21	9	15	0
7,623	1977	3	21	9	30	0
7,624	1977	3	21	9	45	0
7,625	1977	3	21	10	0	0
7,626	1977	3	21	10	15	0
7,627	1977	3	21	10	30	0
7,628	1977	3	21	10	45	0
7,629	1977	3	21	11	0	0
7,630	1977	3	21	11	15	0
7,631	1977	3	21	11	30	0
7,632	1977	3	21	11	45	0
7,633	1977	3	21	12	0	0
7,634	1977	3	21	12	15	0
7,635	1977	3	21	12	30	0
7,636	1977	3	21	12	45	0
7,637	1977	3	21	13	0	0
7,638	1977	3	21	13	15	0
7,639	1977	3	21	13	30	0
7,640	1977	3	21	13	45	0
7,641	1977	3	21	14	0	0
7,642	1977	3	21	14	15	0
7,643	1977	3	21	14	30	0
7,644	1977	3	21	14	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
7,645	1977	3	21	15	0	0
7,646	1977	3	21	15	15	0
7,647	1977	3	21	15	30	0
7,648	1977	3	21	15	45	0
7,649	1977	3	21	16	0	0
7,650	1977	3	21	16	15	0
7,651	1977	3	21	16	30	0
7,652	1977	3	21	16	45	0
7,653	1977	3	21	17	0	0
7,654	1977	3	21	17	15	0
7,655	1977	3	21	17	30	0
7,656	1977	3	21	17	45	0
7,657	1977	3	21	18	0	0
7,658	1977	3	21	18	15	0
7,659	1977	3	21	18	30	0
7,660	1977	3	21	18	45	0
7,661	1977	3	21	19	0	0
7,662	1977	3	21	19	15	0
7,663	1977	3	21	19	30	0
7,664	1977	3	21	19	45	0
7,665	1977	3	21	20	0	0
7,666	1977	3	21	20	15	0
7,667	1977	3	21	20	30	0
7,668	1977	3	21	20	45	0
7,669	1977	3	21	21	0	0
7,670	1977	3	21	21	15	0
7,671	1977	3	21	21	30	0
7,672	1977	3	21	21	45	0
7,673	1977	3	21	22	0	0
7,674	1977	3	21	22	15	0
7,675	1977	3	21	22	30	0
7,676	1977	3	21	22	45	0
7,677	1977	3	21	23	0	0
7,678	1977	3	21	23	15	0
7,679	1977	3	21	23	30	0
7,680	1977	3	21	23	45	0
7,681	1977	3	22	0	0	0
7,682	1977	3	22	0	15	0
7,683	1977	3	22	0	30	0
7,684	1977	3	22	0	45	0
7,685	1977	3	22	1	0	0
7,686	1977	3	22	1	15	0
7,687	1977	3	22	1	30	0
7,688	1977	3	22	1	45	0
7,689	1977	3	22	2	0	0
7,690	1977	3	22	2	15	0
7,691	1977	3	22	2	30	0
7,692	1977	3	22	2	45	0
7,693	1977	3	22	3	0	0
7,694	1977	3	22	3	15	0
7,695	1977	3	22	3	30	0
7,696	1977	3	22	3	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
7,697	1977	3	22	4	0	0.0175
7,698	1977	3	22	4	15	0.0175
7,699	1977	3	22	4	30	0.0175
7,700	1977	3	22	4	45	0.0175
7,701	1977	3	22	5	0	0.06
7,702	1977	3	22	5	15	0.06
7,703	1977	3	22	5	30	0.06
7,704	1977	3	22	5	45	0.06
7,705	1977	3	22	6	0	0.035
7,706	1977	3	22	6	15	0.035
7,707	1977	3	22	6	30	0.035
7,708	1977	3	22	6	45	0.035
7,709	1977	3	22	7	0	0.0125
7,710	1977	3	22	7	15	0.0125
7,711	1977	3	22	7	30	0.0125
7,712	1977	3	22	7	45	0.0125
7,713	1977	3	22	8	0	0
7,714	1977	3	22	8	15	0
7,715	1977	3	22	8	30	0
7,716	1977	3	22	8	45	0
7,717	1977	3	22	9	0	0.0025
7,718	1977	3	22	9	15	0.0025
7,719	1977	3	22	9	30	0.0025
7,720	1977	3	22	9	45	0.0025
7,721	1977	3	22	10	0	0.015
7,722	1977	3	22	10	15	0.015
7,723	1977	3	22	10	30	0.015
7,724	1977	3	22	10	45	0.015
7,725	1977	3	22	11	0	0.0175
7,726	1977	3	22	11	15	0.0175
7,727	1977	3	22	11	30	0.0175
7,728	1977	3	22	11	45	0.0175
7,729	1977	3	22	12	0	0.01
7,730	1977	3	22	12	15	0.01
7,731	1977	3	22	12	30	0.01
7,732	1977	3	22	12	45	0.01
7,733	1977	3	22	13	0	0.0125
7,734	1977	3	22	13	15	0.0125
7,735	1977	3	22	13	30	0.0125
7,736	1977	3	22	13	45	0.0125
7,737	1977	3	22	14	0	0.0025
7,738	1977	3	22	14	15	0.0025
7,739	1977	3	22	14	30	0.0025
7,740	1977	3	22	14	45	0.0025
7,741	1977	3	22	15	0	0.0025
7,742	1977	3	22	15	15	0.0025
7,743	1977	3	22	15	30	0.0025
7,744	1977	3	22	15	45	0.0025
7,745	1977	3	22	16	0	0
7,746	1977	3	22	16	15	0
7,747	1977	3	22	16	30	0
7,748	1977	3	22	16	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
7,749	1977	3	22	17	0	0
7,750	1977	3	22	17	15	0
7,751	1977	3	22	17	30	0
7,752	1977	3	22	17	45	0
7,753	1977	3	22	18	0	0
7,754	1977	3	22	18	15	0
7,755	1977	3	22	18	30	0
7,756	1977	3	22	18	45	0
7,757	1977	3	22	19	0	0
7,758	1977	3	22	19	15	0
7,759	1977	3	22	19	30	0
7,760	1977	3	22	19	45	0
7,761	1977	3	22	20	0	0
7,762	1977	3	22	20	15	0
7,763	1977	3	22	20	30	0
7,764	1977	3	22	20	45	0
7,765	1977	3	22	21	0	0
7,766	1977	3	22	21	15	0
7,767	1977	3	22	21	30	0
7,768	1977	3	22	21	45	0
7,769	1977	3	22	22	0	0
7,770	1977	3	22	22	15	0
7,771	1977	3	22	22	30	0
7,772	1977	3	22	22	45	0
7,773	1977	3	22	23	0	0
7,774	1977	3	22	23	15	0
7,775	1977	3	22	23	30	0
7,776	1977	3	22	23	45	0
7,777	1977	3	23	0	0	0
7,778	1977	3	23	0	15	0
7,779	1977	3	23	0	30	0
7,780	1977	3	23	0	45	0
7,781	1977	3	23	1	0	0
7,782	1977	3	23	1	15	0
7,783	1977	3	23	1	30	0
7,784	1977	3	23	1	45	0
7,785	1977	3	23	2	0	0
7,786	1977	3	23	2	15	0
7,787	1977	3	23	2	30	0
7,788	1977	3	23	2	45	0
7,789	1977	3	23	3	0	0
7,790	1977	3	23	3	15	0
7,791	1977	3	23	3	30	0
7,792	1977	3	23	3	45	0
7,793	1977	3	23	4	0	0
7,794	1977	3	23	4	15	0
7,795	1977	3	23	4	30	0
7,796	1977	3	23	4	45	0
7,797	1977	3	23	5	0	0
7,798	1977	3	23	5	15	0
7,799	1977	3	23	5	30	0
7,800	1977	3	23	5	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
7,801	1977	3	23	6	0	0
7,802	1977	3	23	6	15	0
7,803	1977	3	23	6	30	0
7,804	1977	3	23	6	45	0
7,805	1977	3	23	7	0	0
7,806	1977	3	23	7	15	0
7,807	1977	3	23	7	30	0
7,808	1977	3	23	7	45	0
7,809	1977	3	23	8	0	0
7,810	1977	3	23	8	15	0
7,811	1977	3	23	8	30	0
7,812	1977	3	23	8	45	0
7,813	1977	3	23	9	0	0
7,814	1977	3	23	9	15	0
7,815	1977	3	23	9	30	0
7,816	1977	3	23	9	45	0
7,817	1977	3	23	10	0	0
7,818	1977	3	23	10	15	0
7,819	1977	3	23	10	30	0
7,820	1977	3	23	10	45	0
7,821	1977	3	23	11	0	0
7,822	1977	3	23	11	15	0
7,823	1977	3	23	11	30	0
7,824	1977	3	23	11	45	0
7,825	1977	3	23	12	0	0
7,826	1977	3	23	12	15	0
7,827	1977	3	23	12	30	0
7,828	1977	3	23	12	45	0
7,829	1977	3	23	13	0	0
7,830	1977	3	23	13	15	0
7,831	1977	3	23	13	30	0
7,832	1977	3	23	13	45	0
7,833	1977	3	23	14	0	0
7,834	1977	3	23	14	15	0
7,835	1977	3	23	14	30	0
7,836	1977	3	23	14	45	0
7,837	1977	3	23	15	0	0
7,838	1977	3	23	15	15	0
7,839	1977	3	23	15	30	0
7,840	1977	3	23	15	45	0
7,841	1977	3	23	16	0	0.0025
7,842	1977	3	23	16	15	0.0025
7,843	1977	3	23	16	30	0.0025
7,844	1977	3	23	16	45	0.0025
7,845	1977	3	23	17	0	0
7,846	1977	3	23	17	15	0
7,847	1977	3	23	17	30	0
7,848	1977	3	23	17	45	0
7,849	1977	3	23	18	0	0
7,850	1977	3	23	18	15	0
7,851	1977	3	23	18	30	0
7,852	1977	3	23	18	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
7,853	1977	3	23	19	0	0
7,854	1977	3	23	19	15	0
7,855	1977	3	23	19	30	0
7,856	1977	3	23	19	45	0
7,857	1977	3	23	20	0	0
7,858	1977	3	23	20	15	0
7,859	1977	3	23	20	30	0
7,860	1977	3	23	20	45	0
7,861	1977	3	23	21	0	0
7,862	1977	3	23	21	15	0
7,863	1977	3	23	21	30	0
7,864	1977	3	23	21	45	0
7,865	1977	3	23	22	0	0
7,866	1977	3	23	22	15	0
7,867	1977	3	23	22	30	0
7,868	1977	3	23	22	45	0
7,869	1977	3	23	23	0	0
7,870	1977	3	23	23	15	0
7,871	1977	3	23	23	30	0
7,872	1977	3	23	23	45	0
7,873	1977	3	24	0	0	0
7,874	1977	3	24	0	15	0
7,875	1977	3	24	0	30	0
7,876	1977	3	24	0	45	0
7,877	1977	3	24	1	0	0
7,878	1977	3	24	1	15	0
7,879	1977	3	24	1	30	0
7,880	1977	3	24	1	45	0
7,881	1977	3	24	2	0	0
7,882	1977	3	24	2	15	0
7,883	1977	3	24	2	30	0
7,884	1977	3	24	2	45	0
7,885	1977	3	24	3	0	0
7,886	1977	3	24	3	15	0
7,887	1977	3	24	3	30	0
7,888	1977	3	24	3	45	0
7,889	1977	3	24	4	0	0
7,890	1977	3	24	4	15	0
7,891	1977	3	24	4	30	0
7,892	1977	3	24	4	45	0
7,893	1977	3	24	5	0	0
7,894	1977	3	24	5	15	0
7,895	1977	3	24	5	30	0
7,896	1977	3	24	5	45	0
7,897	1977	3	24	6	0	0
7,898	1977	3	24	6	15	0
7,899	1977	3	24	6	30	0
7,900	1977	3	24	6	45	0
7,901	1977	3	24	7	0	0
7,902	1977	3	24	7	15	0
7,903	1977	3	24	7	30	0
7,904	1977	3	24	7	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
7,905	1977	3	24	8	0	0
7,906	1977	3	24	8	15	0
7,907	1977	3	24	8	30	0
7,908	1977	3	24	8	45	0
7,909	1977	3	24	9	0	0
7,910	1977	3	24	9	15	0
7,911	1977	3	24	9	30	0
7,912	1977	3	24	9	45	0
7,913	1977	3	24	10	0	0
7,914	1977	3	24	10	15	0
7,915	1977	3	24	10	30	0
7,916	1977	3	24	10	45	0
7,917	1977	3	24	11	0	0
7,918	1977	3	24	11	15	0
7,919	1977	3	24	11	30	0
7,920	1977	3	24	11	45	0
7,921	1977	3	24	12	0	0
7,922	1977	3	24	12	15	0
7,923	1977	3	24	12	30	0
7,924	1977	3	24	12	45	0
7,925	1977	3	24	13	0	0
7,926	1977	3	24	13	15	0
7,927	1977	3	24	13	30	0
7,928	1977	3	24	13	45	0
7,929	1977	3	24	14	0	0
7,930	1977	3	24	14	15	0
7,931	1977	3	24	14	30	0
7,932	1977	3	24	14	45	0
7,933	1977	3	24	15	0	0
7,934	1977	3	24	15	15	0
7,935	1977	3	24	15	30	0
7,936	1977	3	24	15	45	0
7,937	1977	3	24	16	0	0
7,938	1977	3	24	16	15	0
7,939	1977	3	24	16	30	0
7,940	1977	3	24	16	45	0
7,941	1977	3	24	17	0	0
7,942	1977	3	24	17	15	0
7,943	1977	3	24	17	30	0
7,944	1977	3	24	17	45	0
7,945	1977	3	24	18	0	0
7,946	1977	3	24	18	15	0
7,947	1977	3	24	18	30	0
7,948	1977	3	24	18	45	0
7,949	1977	3	24	19	0	0
7,950	1977	3	24	19	15	0
7,951	1977	3	24	19	30	0
7,952	1977	3	24	19	45	0
7,953	1977	3	24	20	0	0
7,954	1977	3	24	20	15	0
7,955	1977	3	24	20	30	0
7,956	1977	3	24	20	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
7,957	1977	3	24	21	0	0
7,958	1977	3	24	21	15	0
7,959	1977	3	24	21	30	0
7,960	1977	3	24	21	45	0
7,961	1977	3	24	22	0	0
7,962	1977	3	24	22	15	0
7,963	1977	3	24	22	30	0
7,964	1977	3	24	22	45	0
7,965	1977	3	24	23	0	0
7,966	1977	3	24	23	15	0
7,967	1977	3	24	23	30	0
7,968	1977	3	24	23	45	0
7,969	1977	3	25	0	0	0
7,970	1977	3	25	0	15	0
7,971	1977	3	25	0	30	0
7,972	1977	3	25	0	45	0
7,973	1977	3	25	1	0	0
7,974	1977	3	25	1	15	0
7,975	1977	3	25	1	30	0
7,976	1977	3	25	1	45	0
7,977	1977	3	25	2	0	0
7,978	1977	3	25	2	15	0
7,979	1977	3	25	2	30	0
7,980	1977	3	25	2	45	0
7,981	1977	3	25	3	0	0
7,982	1977	3	25	3	15	0
7,983	1977	3	25	3	30	0
7,984	1977	3	25	3	45	0
7,985	1977	3	25	4	0	0
7,986	1977	3	25	4	15	0
7,987	1977	3	25	4	30	0
7,988	1977	3	25	4	45	0
7,989	1977	3	25	5	0	0
7,990	1977	3	25	5	15	0
7,991	1977	3	25	5	30	0
7,992	1977	3	25	5	45	0
7,993	1977	3	25	6	0	0
7,994	1977	3	25	6	15	0
7,995	1977	3	25	6	30	0
7,996	1977	3	25	6	45	0
7,997	1977	3	25	7	0	0
7,998	1977	3	25	7	15	0
7,999	1977	3	25	7	30	0
8,000	1977	3	25	7	45	0
8,001	1977	3	25	8	0	0
8,002	1977	3	25	8	15	0
8,003	1977	3	25	8	30	0
8,004	1977	3	25	8	45	0
8,005	1977	3	25	9	0	0
8,006	1977	3	25	9	15	0
8,007	1977	3	25	9	30	0
8,008	1977	3	25	9	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
8,009	1977	3	25	10	0	0
8,010	1977	3	25	10	15	0
8,011	1977	3	25	10	30	0
8,012	1977	3	25	10	45	0
8,013	1977	3	25	11	0	0
8,014	1977	3	25	11	15	0
8,015	1977	3	25	11	30	0
8,016	1977	3	25	11	45	0
8,017	1977	3	25	12	0	0
8,018	1977	3	25	12	15	0
8,019	1977	3	25	12	30	0
8,020	1977	3	25	12	45	0
8,021	1977	3	25	13	0	0
8,022	1977	3	25	13	15	0
8,023	1977	3	25	13	30	0
8,024	1977	3	25	13	45	0
8,025	1977	3	25	14	0	0
8,026	1977	3	25	14	15	0
8,027	1977	3	25	14	30	0
8,028	1977	3	25	14	45	0
8,029	1977	3	25	15	0	0
8,030	1977	3	25	15	15	0
8,031	1977	3	25	15	30	0
8,032	1977	3	25	15	45	0
8,033	1977	3	25	16	0	0
8,034	1977	3	25	16	15	0
8,035	1977	3	25	16	30	0
8,036	1977	3	25	16	45	0
8,037	1977	3	25	17	0	0
8,038	1977	3	25	17	15	0
8,039	1977	3	25	17	30	0
8,040	1977	3	25	17	45	0
8,041	1977	3	25	18	0	0
8,042	1977	3	25	18	15	0
8,043	1977	3	25	18	30	0
8,044	1977	3	25	18	45	0
8,045	1977	3	25	19	0	0
8,046	1977	3	25	19	15	0
8,047	1977	3	25	19	30	0
8,048	1977	3	25	19	45	0
8,049	1977	3	25	20	0	0
8,050	1977	3	25	20	15	0
8,051	1977	3	25	20	30	0
8,052	1977	3	25	20	45	0
8,053	1977	3	25	21	0	0
8,054	1977	3	25	21	15	0
8,055	1977	3	25	21	30	0
8,056	1977	3	25	21	45	0
8,057	1977	3	25	22	0	0
8,058	1977	3	25	22	15	0
8,059	1977	3	25	22	30	0
8,060	1977	3	25	22	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
8,061	1977	3	25	23	0	0
8,062	1977	3	25	23	15	0
8,063	1977	3	25	23	30	0
8,064	1977	3	25	23	45	0
8,065	1977	3	26	0	0	0
8,066	1977	3	26	0	15	0
8,067	1977	3	26	0	30	0
8,068	1977	3	26	0	45	0
8,069	1977	3	26	1	0	0
8,070	1977	3	26	1	15	0
8,071	1977	3	26	1	30	0
8,072	1977	3	26	1	45	0
8,073	1977	3	26	2	0	0
8,074	1977	3	26	2	15	0
8,075	1977	3	26	2	30	0
8,076	1977	3	26	2	45	0
8,077	1977	3	26	3	0	0
8,078	1977	3	26	3	15	0
8,079	1977	3	26	3	30	0
8,080	1977	3	26	3	45	0
8,081	1977	3	26	4	0	0
8,082	1977	3	26	4	15	0
8,083	1977	3	26	4	30	0
8,084	1977	3	26	4	45	0
8,085	1977	3	26	5	0	0
8,086	1977	3	26	5	15	0
8,087	1977	3	26	5	30	0
8,088	1977	3	26	5	45	0
8,089	1977	3	26	6	0	0
8,090	1977	3	26	6	15	0
8,091	1977	3	26	6	30	0
8,092	1977	3	26	6	45	0
8,093	1977	3	26	7	0	0
8,094	1977	3	26	7	15	0
8,095	1977	3	26	7	30	0
8,096	1977	3	26	7	45	0
8,097	1977	3	26	8	0	0
8,098	1977	3	26	8	15	0
8,099	1977	3	26	8	30	0
8,100	1977	3	26	8	45	0
8,101	1977	3	26	9	0	0
8,102	1977	3	26	9	15	0
8,103	1977	3	26	9	30	0
8,104	1977	3	26	9	45	0
8,105	1977	3	26	10	0	0
8,106	1977	3	26	10	15	0
8,107	1977	3	26	10	30	0
8,108	1977	3	26	10	45	0
8,109	1977	3	26	11	0	0
8,110	1977	3	26	11	15	0
8,111	1977	3	26	11	30	0
8,112	1977	3	26	11	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
8,113	1977	3	26	12	0	0
8,114	1977	3	26	12	15	0
8,115	1977	3	26	12	30	0
8,116	1977	3	26	12	45	0
8,117	1977	3	26	13	0	0
8,118	1977	3	26	13	15	0
8,119	1977	3	26	13	30	0
8,120	1977	3	26	13	45	0
8,121	1977	3	26	14	0	0
8,122	1977	3	26	14	15	0
8,123	1977	3	26	14	30	0
8,124	1977	3	26	14	45	0
8,125	1977	3	26	15	0	0
8,126	1977	3	26	15	15	0
8,127	1977	3	26	15	30	0
8,128	1977	3	26	15	45	0
8,129	1977	3	26	16	0	0
8,130	1977	3	26	16	15	0
8,131	1977	3	26	16	30	0
8,132	1977	3	26	16	45	0
8,133	1977	3	26	17	0	0
8,134	1977	3	26	17	15	0
8,135	1977	3	26	17	30	0
8,136	1977	3	26	17	45	0
8,137	1977	3	26	18	0	0
8,138	1977	3	26	18	15	0
8,139	1977	3	26	18	30	0
8,140	1977	3	26	18	45	0
8,141	1977	3	26	19	0	0
8,142	1977	3	26	19	15	0
8,143	1977	3	26	19	30	0
8,144	1977	3	26	19	45	0
8,145	1977	3	26	20	0	0
8,146	1977	3	26	20	15	0
8,147	1977	3	26	20	30	0
8,148	1977	3	26	20	45	0
8,149	1977	3	26	21	0	0
8,150	1977	3	26	21	15	0
8,151	1977	3	26	21	30	0
8,152	1977	3	26	21	45	0
8,153	1977	3	26	22	0	0
8,154	1977	3	26	22	15	0
8,155	1977	3	26	22	30	0
8,156	1977	3	26	22	45	0
8,157	1977	3	26	23	0	0
8,158	1977	3	26	23	15	0
8,159	1977	3	26	23	30	0
8,160	1977	3	26	23	45	0
8,161	1977	3	27	0	0	0
8,162	1977	3	27	0	15	0
8,163	1977	3	27	0	30	0
8,164	1977	3	27	0	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
8,165	1977	3	27	1	0	0
8,166	1977	3	27	1	15	0
8,167	1977	3	27	1	30	0
8,168	1977	3	27	1	45	0
8,169	1977	3	27	2	0	0
8,170	1977	3	27	2	15	0
8,171	1977	3	27	2	30	0
8,172	1977	3	27	2	45	0
8,173	1977	3	27	3	0	0
8,174	1977	3	27	3	15	0
8,175	1977	3	27	3	30	0
8,176	1977	3	27	3	45	0
8,177	1977	3	27	4	0	0
8,178	1977	3	27	4	15	0
8,179	1977	3	27	4	30	0
8,180	1977	3	27	4	45	0
8,181	1977	3	27	5	0	0
8,182	1977	3	27	5	15	0
8,183	1977	3	27	5	30	0
8,184	1977	3	27	5	45	0
8,185	1977	3	27	6	0	0
8,186	1977	3	27	6	15	0
8,187	1977	3	27	6	30	0
8,188	1977	3	27	6	45	0
8,189	1977	3	27	7	0	0
8,190	1977	3	27	7	15	0
8,191	1977	3	27	7	30	0
8,192	1977	3	27	7	45	0
8,193	1977	3	27	8	0	0
8,194	1977	3	27	8	15	0
8,195	1977	3	27	8	30	0
8,196	1977	3	27	8	45	0
8,197	1977	3	27	9	0	0
8,198	1977	3	27	9	15	0
8,199	1977	3	27	9	30	0
8,200	1977	3	27	9	45	0
8,201	1977	3	27	10	0	0
8,202	1977	3	27	10	15	0
8,203	1977	3	27	10	30	0
8,204	1977	3	27	10	45	0
8,205	1977	3	27	11	0	0
8,206	1977	3	27	11	15	0
8,207	1977	3	27	11	30	0
8,208	1977	3	27	11	45	0
8,209	1977	3	27	12	0	0
8,210	1977	3	27	12	15	0
8,211	1977	3	27	12	30	0
8,212	1977	3	27	12	45	0
8,213	1977	3	27	13	0	0
8,214	1977	3	27	13	15	0
8,215	1977	3	27	13	30	0
8,216	1977	3	27	13	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
8,217	1977	3	27	14	0	0
8,218	1977	3	27	14	15	0
8,219	1977	3	27	14	30	0
8,220	1977	3	27	14	45	0
8,221	1977	3	27	15	0	0
8,222	1977	3	27	15	15	0
8,223	1977	3	27	15	30	0
8,224	1977	3	27	15	45	0
8,225	1977	3	27	16	0	0
8,226	1977	3	27	16	15	0
8,227	1977	3	27	16	30	0
8,228	1977	3	27	16	45	0
8,229	1977	3	27	17	0	0
8,230	1977	3	27	17	15	0
8,231	1977	3	27	17	30	0
8,232	1977	3	27	17	45	0
8,233	1977	3	27	18	0	0
8,234	1977	3	27	18	15	0
8,235	1977	3	27	18	30	0
8,236	1977	3	27	18	45	0
8,237	1977	3	27	19	0	0
8,238	1977	3	27	19	15	0
8,239	1977	3	27	19	30	0
8,240	1977	3	27	19	45	0
8,241	1977	3	27	20	0	0.0025
8,242	1977	3	27	20	15	0.0025
8,243	1977	3	27	20	30	0.0025
8,244	1977	3	27	20	45	0.0025
8,245	1977	3	27	21	0	0.0025
8,246	1977	3	27	21	15	0.0025
8,247	1977	3	27	21	30	0.0025
8,248	1977	3	27	21	45	0.0025
8,249	1977	3	27	22	0	0.0025
8,250	1977	3	27	22	15	0.0025
8,251	1977	3	27	22	30	0.0025
8,252	1977	3	27	22	45	0.0025
8,253	1977	3	27	23	0	0
8,254	1977	3	27	23	15	0
8,255	1977	3	27	23	30	0
8,256	1977	3	27	23	45	0
8,257	1977	3	28	0	0	0.0025
8,258	1977	3	28	0	15	0.0025
8,259	1977	3	28	0	30	0.0025
8,260	1977	3	28	0	45	0.0025
8,261	1977	3	28	1	0	0.015
8,262	1977	3	28	1	15	0.015
8,263	1977	3	28	1	30	0.015
8,264	1977	3	28	1	45	0.015
8,265	1977	3	28	2	0	0.04
8,266	1977	3	28	2	15	0.04
8,267	1977	3	28	2	30	0.04
8,268	1977	3	28	2	45	0.04

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
8,269	1977	3	28	3	0	0.0175
8,270	1977	3	28	3	15	0.0175
8,271	1977	3	28	3	30	0.0175
8,272	1977	3	28	3	45	0.0175
8,273	1977	3	28	4	0	0.0175
8,274	1977	3	28	4	15	0.0175
8,275	1977	3	28	4	30	0.0175
8,276	1977	3	28	4	45	0.0175
8,277	1977	3	28	5	0	0.0025
8,278	1977	3	28	5	15	0.0025
8,279	1977	3	28	5	30	0.0025
8,280	1977	3	28	5	45	0.0025
8,281	1977	3	28	6	0	0
8,282	1977	3	28	6	15	0
8,283	1977	3	28	6	30	0
8,284	1977	3	28	6	45	0
8,285	1977	3	28	7	0	0
8,286	1977	3	28	7	15	0
8,287	1977	3	28	7	30	0
8,288	1977	3	28	7	45	0
8,289	1977	3	28	8	0	0
8,290	1977	3	28	8	15	0
8,291	1977	3	28	8	30	0
8,292	1977	3	28	8	45	0
8,293	1977	3	28	9	0	0
8,294	1977	3	28	9	15	0
8,295	1977	3	28	9	30	0
8,296	1977	3	28	9	45	0
8,297	1977	3	28	10	0	0
8,298	1977	3	28	10	15	0
8,299	1977	3	28	10	30	0
8,300	1977	3	28	10	45	0
8,301	1977	3	28	11	0	0.0025
8,302	1977	3	28	11	15	0.0025
8,303	1977	3	28	11	30	0.0025
8,304	1977	3	28	11	45	0.0025
8,305	1977	3	28	12	0	0.0025
8,306	1977	3	28	12	15	0.0025
8,307	1977	3	28	12	30	0.0025
8,308	1977	3	28	12	45	0.0025
8,309	1977	3	28	13	0	0.02
8,310	1977	3	28	13	15	0.02
8,311	1977	3	28	13	30	0.02
8,312	1977	3	28	13	45	0.02
8,313	1977	3	28	14	0	0
8,314	1977	3	28	14	15	0
8,315	1977	3	28	14	30	0
8,316	1977	3	28	14	45	0
8,317	1977	3	28	15	0	0.01
8,318	1977	3	28	15	15	0.01
8,319	1977	3	28	15	30	0.01
8,320	1977	3	28	15	45	0.01

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
8,321	1977	3	28	16	0	0.0225
8,322	1977	3	28	16	15	0.0225
8,323	1977	3	28	16	30	0.0225
8,324	1977	3	28	16	45	0.0225
8,325	1977	3	28	17	0	0.0025
8,326	1977	3	28	17	15	0.0025
8,327	1977	3	28	17	30	0.0025
8,328	1977	3	28	17	45	0.0025
8,329	1977	3	28	18	0	0
8,330	1977	3	28	18	15	0
8,331	1977	3	28	18	30	0
8,332	1977	3	28	18	45	0
8,333	1977	3	28	19	0	0
8,334	1977	3	28	19	15	0
8,335	1977	3	28	19	30	0
8,336	1977	3	28	19	45	0
8,337	1977	3	28	20	0	0
8,338	1977	3	28	20	15	0
8,339	1977	3	28	20	30	0
8,340	1977	3	28	20	45	0
8,341	1977	3	28	21	0	0
8,342	1977	3	28	21	15	0
8,343	1977	3	28	21	30	0
8,344	1977	3	28	21	45	0
8,345	1977	3	28	22	0	0
8,346	1977	3	28	22	15	0
8,347	1977	3	28	22	30	0
8,348	1977	3	28	22	45	0
8,349	1977	3	28	23	0	0
8,350	1977	3	28	23	15	0
8,351	1977	3	28	23	30	0
8,352	1977	3	28	23	45	0
8,353	1977	3	29	0	0	0.0275
8,354	1977	3	29	0	15	0.0275
8,355	1977	3	29	0	30	0.0275
8,356	1977	3	29	0	45	0.0275
8,357	1977	3	29	1	0	0
8,358	1977	3	29	1	15	0
8,359	1977	3	29	1	30	0
8,360	1977	3	29	1	45	0
8,361	1977	3	29	2	0	0
8,362	1977	3	29	2	15	0
8,363	1977	3	29	2	30	0
8,364	1977	3	29	2	45	0
8,365	1977	3	29	3	0	0
8,366	1977	3	29	3	15	0
8,367	1977	3	29	3	30	0
8,368	1977	3	29	3	45	0
8,369	1977	3	29	4	0	0
8,370	1977	3	29	4	15	0
8,371	1977	3	29	4	30	0
8,372	1977	3	29	4	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
8,373	1977	3	29	5	0	0
8,374	1977	3	29	5	15	0
8,375	1977	3	29	5	30	0
8,376	1977	3	29	5	45	0
8,377	1977	3	29	6	0	0
8,378	1977	3	29	6	15	0
8,379	1977	3	29	6	30	0
8,380	1977	3	29	6	45	0
8,381	1977	3	29	7	0	0
8,382	1977	3	29	7	15	0
8,383	1977	3	29	7	30	0
8,384	1977	3	29	7	45	0
8,385	1977	3	29	8	0	0
8,386	1977	3	29	8	15	0
8,387	1977	3	29	8	30	0
8,388	1977	3	29	8	45	0
8,389	1977	3	29	9	0	0
8,390	1977	3	29	9	15	0
8,391	1977	3	29	9	30	0
8,392	1977	3	29	9	45	0
8,393	1977	3	29	10	0	0
8,394	1977	3	29	10	15	0
8,395	1977	3	29	10	30	0
8,396	1977	3	29	10	45	0
8,397	1977	3	29	11	0	0
8,398	1977	3	29	11	15	0
8,399	1977	3	29	11	30	0
8,400	1977	3	29	11	45	0
8,401	1977	3	29	12	0	0
8,402	1977	3	29	12	15	0
8,403	1977	3	29	12	30	0
8,404	1977	3	29	12	45	0
8,405	1977	3	29	13	0	0
8,406	1977	3	29	13	15	0
8,407	1977	3	29	13	30	0
8,408	1977	3	29	13	45	0
8,409	1977	3	29	14	0	0
8,410	1977	3	29	14	15	0
8,411	1977	3	29	14	30	0
8,412	1977	3	29	14	45	0
8,413	1977	3	29	15	0	0
8,414	1977	3	29	15	15	0
8,415	1977	3	29	15	30	0
8,416	1977	3	29	15	45	0
8,417	1977	3	29	16	0	0
8,418	1977	3	29	16	15	0
8,419	1977	3	29	16	30	0
8,420	1977	3	29	16	45	0
8,421	1977	3	29	17	0	0
8,422	1977	3	29	17	15	0
8,423	1977	3	29	17	30	0
8,424	1977	3	29	17	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
8,425	1977	3	29	18	0	0
8,426	1977	3	29	18	15	0
8,427	1977	3	29	18	30	0
8,428	1977	3	29	18	45	0
8,429	1977	3	29	19	0	0
8,430	1977	3	29	19	15	0
8,431	1977	3	29	19	30	0
8,432	1977	3	29	19	45	0
8,433	1977	3	29	20	0	0
8,434	1977	3	29	20	15	0
8,435	1977	3	29	20	30	0
8,436	1977	3	29	20	45	0
8,437	1977	3	29	21	0	0
8,438	1977	3	29	21	15	0
8,439	1977	3	29	21	30	0
8,440	1977	3	29	21	45	0
8,441	1977	3	29	22	0	0
8,442	1977	3	29	22	15	0
8,443	1977	3	29	22	30	0
8,444	1977	3	29	22	45	0
8,445	1977	3	29	23	0	0
8,446	1977	3	29	23	15	0
8,447	1977	3	29	23	30	0
8,448	1977	3	29	23	45	0
8,449	1977	3	30	0	0	0
8,450	1977	3	30	0	15	0
8,451	1977	3	30	0	30	0
8,452	1977	3	30	0	45	0
8,453	1977	3	30	1	0	0
8,454	1977	3	30	1	15	0
8,455	1977	3	30	1	30	0
8,456	1977	3	30	1	45	0
8,457	1977	3	30	2	0	0
8,458	1977	3	30	2	15	0
8,459	1977	3	30	2	30	0
8,460	1977	3	30	2	45	0
8,461	1977	3	30	3	0	0
8,462	1977	3	30	3	15	0
8,463	1977	3	30	3	30	0
8,464	1977	3	30	3	45	0
8,465	1977	3	30	4	0	0
8,466	1977	3	30	4	15	0
8,467	1977	3	30	4	30	0
8,468	1977	3	30	4	45	0
8,469	1977	3	30	5	0	0
8,470	1977	3	30	5	15	0
8,471	1977	3	30	5	30	0
8,472	1977	3	30	5	45	0
8,473	1977	3	30	6	0	0
8,474	1977	3	30	6	15	0
8,475	1977	3	30	6	30	0
8,476	1977	3	30	6	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
8,477	1977	3	30	7	0	0
8,478	1977	3	30	7	15	0
8,479	1977	3	30	7	30	0
8,480	1977	3	30	7	45	0
8,481	1977	3	30	8	0	0
8,482	1977	3	30	8	15	0
8,483	1977	3	30	8	30	0
8,484	1977	3	30	8	45	0
8,485	1977	3	30	9	0	0
8,486	1977	3	30	9	15	0
8,487	1977	3	30	9	30	0
8,488	1977	3	30	9	45	0
8,489	1977	3	30	10	0	0
8,490	1977	3	30	10	15	0
8,491	1977	3	30	10	30	0
8,492	1977	3	30	10	45	0
8,493	1977	3	30	11	0	0
8,494	1977	3	30	11	15	0
8,495	1977	3	30	11	30	0
8,496	1977	3	30	11	45	0
8,497	1977	3	30	12	0	0
8,498	1977	3	30	12	15	0
8,499	1977	3	30	12	30	0
8,500	1977	3	30	12	45	0
8,501	1977	3	30	13	0	0
8,502	1977	3	30	13	15	0
8,503	1977	3	30	13	30	0
8,504	1977	3	30	13	45	0
8,505	1977	3	30	14	0	0
8,506	1977	3	30	14	15	0
8,507	1977	3	30	14	30	0
8,508	1977	3	30	14	45	0
8,509	1977	3	30	15	0	0
8,510	1977	3	30	15	15	0
8,511	1977	3	30	15	30	0
8,512	1977	3	30	15	45	0
8,513	1977	3	30	16	0	0
8,514	1977	3	30	16	15	0
8,515	1977	3	30	16	30	0
8,516	1977	3	30	16	45	0
8,517	1977	3	30	17	0	0
8,518	1977	3	30	17	15	0
8,519	1977	3	30	17	30	0
8,520	1977	3	30	17	45	0
8,521	1977	3	30	18	0	0
8,522	1977	3	30	18	15	0
8,523	1977	3	30	18	30	0
8,524	1977	3	30	18	45	0
8,525	1977	3	30	19	0	0
8,526	1977	3	30	19	15	0
8,527	1977	3	30	19	30	0
8,528	1977	3	30	19	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
8,529	1977	3	30	20	0	0
8,530	1977	3	30	20	15	0
8,531	1977	3	30	20	30	0
8,532	1977	3	30	20	45	0
8,533	1977	3	30	21	0	0
8,534	1977	3	30	21	15	0
8,535	1977	3	30	21	30	0
8,536	1977	3	30	21	45	0
8,537	1977	3	30	22	0	0
8,538	1977	3	30	22	15	0
8,539	1977	3	30	22	30	0
8,540	1977	3	30	22	45	0
8,541	1977	3	30	23	0	0
8,542	1977	3	30	23	15	0
8,543	1977	3	30	23	30	0
8,544	1977	3	30	23	45	0
8,545	1977	3	31	0	0	0
8,546	1977	3	31	0	15	0
8,547	1977	3	31	0	30	0
8,548	1977	3	31	0	45	0
8,549	1977	3	31	1	0	0
8,550	1977	3	31	1	15	0
8,551	1977	3	31	1	30	0
8,552	1977	3	31	1	45	0
8,553	1977	3	31	2	0	0
8,554	1977	3	31	2	15	0
8,555	1977	3	31	2	30	0
8,556	1977	3	31	2	45	0
8,557	1977	3	31	3	0	0
8,558	1977	3	31	3	15	0
8,559	1977	3	31	3	30	0
8,560	1977	3	31	3	45	0
8,561	1977	3	31	4	0	0
8,562	1977	3	31	4	15	0
8,563	1977	3	31	4	30	0
8,564	1977	3	31	4	45	0
8,565	1977	3	31	5	0	0
8,566	1977	3	31	5	15	0
8,567	1977	3	31	5	30	0
8,568	1977	3	31	5	45	0
8,569	1977	3	31	6	0	0
8,570	1977	3	31	6	15	0
8,571	1977	3	31	6	30	0
8,572	1977	3	31	6	45	0
8,573	1977	3	31	7	0	0
8,574	1977	3	31	7	15	0
8,575	1977	3	31	7	30	0
8,576	1977	3	31	7	45	0
8,577	1977	3	31	8	0	0
8,578	1977	3	31	8	15	0
8,579	1977	3	31	8	30	0
8,580	1977	3	31	8	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
8,581	1977	3	31	9	0	0
8,582	1977	3	31	9	15	0
8,583	1977	3	31	9	30	0
8,584	1977	3	31	9	45	0
8,585	1977	3	31	10	0	0
8,586	1977	3	31	10	15	0
8,587	1977	3	31	10	30	0
8,588	1977	3	31	10	45	0
8,589	1977	3	31	11	0	0
8,590	1977	3	31	11	15	0
8,591	1977	3	31	11	30	0
8,592	1977	3	31	11	45	0
8,593	1977	3	31	12	0	0
8,594	1977	3	31	12	15	0
8,595	1977	3	31	12	30	0
8,596	1977	3	31	12	45	0
8,597	1977	3	31	13	0	0
8,598	1977	3	31	13	15	0
8,599	1977	3	31	13	30	0
8,600	1977	3	31	13	45	0
8,601	1977	3	31	14	0	0
8,602	1977	3	31	14	15	0
8,603	1977	3	31	14	30	0
8,604	1977	3	31	14	45	0
8,605	1977	3	31	15	0	0
8,606	1977	3	31	15	15	0
8,607	1977	3	31	15	30	0
8,608	1977	3	31	15	45	0
8,609	1977	3	31	16	0	0
8,610	1977	3	31	16	15	0
8,611	1977	3	31	16	30	0
8,612	1977	3	31	16	45	0
8,613	1977	3	31	17	0	0
8,614	1977	3	31	17	15	0
8,615	1977	3	31	17	30	0
8,616	1977	3	31	17	45	0
8,617	1977	3	31	18	0	0
8,618	1977	3	31	18	15	0
8,619	1977	3	31	18	30	0
8,620	1977	3	31	18	45	0
8,621	1977	3	31	19	0	0
8,622	1977	3	31	19	15	0
8,623	1977	3	31	19	30	0
8,624	1977	3	31	19	45	0
8,625	1977	3	31	20	0	0
8,626	1977	3	31	20	15	0
8,627	1977	3	31	20	30	0
8,628	1977	3	31	20	45	0
8,629	1977	3	31	21	0	0
8,630	1977	3	31	21	15	0
8,631	1977	3	31	21	30	0
8,632	1977	3	31	21	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
8,633	1977	3	31	22	0	0
8,634	1977	3	31	22	15	0
8,635	1977	3	31	22	30	0
8,636	1977	3	31	22	45	0
8,637	1977	3	31	23	0	0
8,638	1977	3	31	23	15	0
8,639	1977	3	31	23	30	0
8,640	1977	3	31	23	45	0
8,641	1977	4	1	0	0	0
8,642	1977	4	1	0	15	0
8,643	1977	4	1	0	30	0
8,644	1977	4	1	0	45	0
8,645	1977	4	1	1	0	0
8,646	1977	4	1	1	15	0
8,647	1977	4	1	1	30	0
8,648	1977	4	1	1	45	0
8,649	1977	4	1	2	0	0
8,650	1977	4	1	2	15	0
8,651	1977	4	1	2	30	0
8,652	1977	4	1	2	45	0
8,653	1977	4	1	3	0	0
8,654	1977	4	1	3	15	0
8,655	1977	4	1	3	30	0
8,656	1977	4	1	3	45	0
8,657	1977	4	1	4	0	0
8,658	1977	4	1	4	15	0
8,659	1977	4	1	4	30	0
8,660	1977	4	1	4	45	0
8,661	1977	4	1	5	0	0
8,662	1977	4	1	5	15	0
8,663	1977	4	1	5	30	0
8,664	1977	4	1	5	45	0
8,665	1977	4	1	6	0	0
8,666	1977	4	1	6	15	0
8,667	1977	4	1	6	30	0
8,668	1977	4	1	6	45	0
8,669	1977	4	1	7	0	0
8,670	1977	4	1	7	15	0
8,671	1977	4	1	7	30	0
8,672	1977	4	1	7	45	0
8,673	1977	4	1	8	0	0
8,674	1977	4	1	8	15	0
8,675	1977	4	1	8	30	0
8,676	1977	4	1	8	45	0
8,677	1977	4	1	9	0	0
8,678	1977	4	1	9	15	0
8,679	1977	4	1	9	30	0
8,680	1977	4	1	9	45	0
8,681	1977	4	1	10	0	0
8,682	1977	4	1	10	15	0
8,683	1977	4	1	10	30	0
8,684	1977	4	1	10	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
8,685	1977	4	1	11	0	0
8,686	1977	4	1	11	15	0
8,687	1977	4	1	11	30	0
8,688	1977	4	1	11	45	0
8,689	1977	4	1	12	0	0
8,690	1977	4	1	12	15	0
8,691	1977	4	1	12	30	0
8,692	1977	4	1	12	45	0
8,693	1977	4	1	13	0	0
8,694	1977	4	1	13	15	0
8,695	1977	4	1	13	30	0
8,696	1977	4	1	13	45	0
8,697	1977	4	1	14	0	0
8,698	1977	4	1	14	15	0
8,699	1977	4	1	14	30	0
8,700	1977	4	1	14	45	0
8,701	1977	4	1	15	0	0
8,702	1977	4	1	15	15	0
8,703	1977	4	1	15	30	0
8,704	1977	4	1	15	45	0
8,705	1977	4	1	16	0	0
8,706	1977	4	1	16	15	0
8,707	1977	4	1	16	30	0
8,708	1977	4	1	16	45	0
8,709	1977	4	1	17	0	0
8,710	1977	4	1	17	15	0
8,711	1977	4	1	17	30	0
8,712	1977	4	1	17	45	0
8,713	1977	4	1	18	0	0
8,714	1977	4	1	18	15	0
8,715	1977	4	1	18	30	0
8,716	1977	4	1	18	45	0
8,717	1977	4	1	19	0	0
8,718	1977	4	1	19	15	0
8,719	1977	4	1	19	30	0
8,720	1977	4	1	19	45	0
8,721	1977	4	1	20	0	0
8,722	1977	4	1	20	15	0
8,723	1977	4	1	20	30	0
8,724	1977	4	1	20	45	0
8,725	1977	4	1	21	0	0
8,726	1977	4	1	21	15	0
8,727	1977	4	1	21	30	0
8,728	1977	4	1	21	45	0
8,729	1977	4	1	22	0	0
8,730	1977	4	1	22	15	0
8,731	1977	4	1	22	30	0
8,732	1977	4	1	22	45	0
8,733	1977	4	1	23	0	0
8,734	1977	4	1	23	15	0
8,735	1977	4	1	23	30	0
8,736	1977	4	1	23	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
8,737	1977	4	2	0	0	0
8,738	1977	4	2	0	15	0
8,739	1977	4	2	0	30	0
8,740	1977	4	2	0	45	0
8,741	1977	4	2	1	0	0
8,742	1977	4	2	1	15	0
8,743	1977	4	2	1	30	0
8,744	1977	4	2	1	45	0
8,745	1977	4	2	2	0	0
8,746	1977	4	2	2	15	0
8,747	1977	4	2	2	30	0
8,748	1977	4	2	2	45	0
8,749	1977	4	2	3	0	0
8,750	1977	4	2	3	15	0
8,751	1977	4	2	3	30	0
8,752	1977	4	2	3	45	0
8,753	1977	4	2	4	0	0.02
8,754	1977	4	2	4	15	0.02
8,755	1977	4	2	4	30	0.02
8,756	1977	4	2	4	45	0.02
8,757	1977	4	2	5	0	0.0025
8,758	1977	4	2	5	15	0.0025
8,759	1977	4	2	5	30	0.0025
8,760	1977	4	2	5	45	0.0025
8,761	1977	4	2	6	0	0.045
8,762	1977	4	2	6	15	0.045
8,763	1977	4	2	6	30	0.045
8,764	1977	4	2	6	45	0.045
8,765	1977	4	2	7	0	0.06
8,766	1977	4	2	7	15	0.06
8,767	1977	4	2	7	30	0.06
8,768	1977	4	2	7	45	0.06
8,769	1977	4	2	8	0	0.025
8,770	1977	4	2	8	15	0.025
8,771	1977	4	2	8	30	0.025
8,772	1977	4	2	8	45	0.025
8,773	1977	4	2	9	0	0
8,774	1977	4	2	9	15	0
8,775	1977	4	2	9	30	0
8,776	1977	4	2	9	45	0
8,777	1977	4	2	10	0	0
8,778	1977	4	2	10	15	0
8,779	1977	4	2	10	30	0
8,780	1977	4	2	10	45	0
8,781	1977	4	2	11	0	0
8,782	1977	4	2	11	15	0
8,783	1977	4	2	11	30	0
8,784	1977	4	2	11	45	0
8,785	1977	4	2	12	0	0
8,786	1977	4	2	12	15	0
8,787	1977	4	2	12	30	0
8,788	1977	4	2	12	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
8,789	1977	4	2	13	0	0
8,790	1977	4	2	13	15	0
8,791	1977	4	2	13	30	0
8,792	1977	4	2	13	45	0
8,793	1977	4	2	14	0	0
8,794	1977	4	2	14	15	0
8,795	1977	4	2	14	30	0
8,796	1977	4	2	14	45	0
8,797	1977	4	2	15	0	0.0125
8,798	1977	4	2	15	15	0.0125
8,799	1977	4	2	15	30	0.0125
8,800	1977	4	2	15	45	0.0125
8,801	1977	4	2	16	0	0.0225
8,802	1977	4	2	16	15	0.0225
8,803	1977	4	2	16	30	0.0225
8,804	1977	4	2	16	45	0.0225
8,805	1977	4	2	17	0	0
8,806	1977	4	2	17	15	0
8,807	1977	4	2	17	30	0
8,808	1977	4	2	17	45	0
8,809	1977	4	2	18	0	0
8,810	1977	4	2	18	15	0
8,811	1977	4	2	18	30	0
8,812	1977	4	2	18	45	0
8,813	1977	4	2	19	0	0
8,814	1977	4	2	19	15	0
8,815	1977	4	2	19	30	0
8,816	1977	4	2	19	45	0
8,817	1977	4	2	20	0	0
8,818	1977	4	2	20	15	0
8,819	1977	4	2	20	30	0
8,820	1977	4	2	20	45	0
8,821	1977	4	2	21	0	0
8,822	1977	4	2	21	15	0
8,823	1977	4	2	21	30	0
8,824	1977	4	2	21	45	0
8,825	1977	4	2	22	0	0.06
8,826	1977	4	2	22	15	0.06
8,827	1977	4	2	22	30	0.06
8,828	1977	4	2	22	45	0.06
8,829	1977	4	2	23	0	0
8,830	1977	4	2	23	15	0
8,831	1977	4	2	23	30	0
8,832	1977	4	2	23	45	0
8,833	1977	4	3	0	0	0
8,834	1977	4	3	0	15	0
8,835	1977	4	3	0	30	0
8,836	1977	4	3	0	45	0
8,837	1977	4	3	1	0	0
8,838	1977	4	3	1	15	0
8,839	1977	4	3	1	30	0
8,840	1977	4	3	1	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
8,841	1977	4	3	2	0	0
8,842	1977	4	3	2	15	0
8,843	1977	4	3	2	30	0
8,844	1977	4	3	2	45	0
8,845	1977	4	3	3	0	0
8,846	1977	4	3	3	15	0
8,847	1977	4	3	3	30	0
8,848	1977	4	3	3	45	0
8,849	1977	4	3	4	0	0
8,850	1977	4	3	4	15	0
8,851	1977	4	3	4	30	0
8,852	1977	4	3	4	45	0
8,853	1977	4	3	5	0	0
8,854	1977	4	3	5	15	0
8,855	1977	4	3	5	30	0
8,856	1977	4	3	5	45	0
8,857	1977	4	3	6	0	0
8,858	1977	4	3	6	15	0
8,859	1977	4	3	6	30	0
8,860	1977	4	3	6	45	0
8,861	1977	4	3	7	0	0
8,862	1977	4	3	7	15	0
8,863	1977	4	3	7	30	0
8,864	1977	4	3	7	45	0
8,865	1977	4	3	8	0	0
8,866	1977	4	3	8	15	0
8,867	1977	4	3	8	30	0
8,868	1977	4	3	8	45	0
8,869	1977	4	3	9	0	0
8,870	1977	4	3	9	15	0
8,871	1977	4	3	9	30	0
8,872	1977	4	3	9	45	0
8,873	1977	4	3	10	0	0
8,874	1977	4	3	10	15	0
8,875	1977	4	3	10	30	0
8,876	1977	4	3	10	45	0
8,877	1977	4	3	11	0	0
8,878	1977	4	3	11	15	0
8,879	1977	4	3	11	30	0
8,880	1977	4	3	11	45	0
8,881	1977	4	3	12	0	0
8,882	1977	4	3	12	15	0
8,883	1977	4	3	12	30	0
8,884	1977	4	3	12	45	0
8,885	1977	4	3	13	0	0
8,886	1977	4	3	13	15	0
8,887	1977	4	3	13	30	0
8,888	1977	4	3	13	45	0
8,889	1977	4	3	14	0	0
8,890	1977	4	3	14	15	0
8,891	1977	4	3	14	30	0
8,892	1977	4	3	14	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
8,893	1977	4	3	15	0	0
8,894	1977	4	3	15	15	0
8,895	1977	4	3	15	30	0
8,896	1977	4	3	15	45	0
8,897	1977	4	3	16	0	0
8,898	1977	4	3	16	15	0
8,899	1977	4	3	16	30	0
8,900	1977	4	3	16	45	0
8,901	1977	4	3	17	0	0
8,902	1977	4	3	17	15	0
8,903	1977	4	3	17	30	0
8,904	1977	4	3	17	45	0
8,905	1977	4	3	18	0	0
8,906	1977	4	3	18	15	0
8,907	1977	4	3	18	30	0
8,908	1977	4	3	18	45	0
8,909	1977	4	3	19	0	0
8,910	1977	4	3	19	15	0
8,911	1977	4	3	19	30	0
8,912	1977	4	3	19	45	0
8,913	1977	4	3	20	0	0
8,914	1977	4	3	20	15	0
8,915	1977	4	3	20	30	0
8,916	1977	4	3	20	45	0
8,917	1977	4	3	21	0	0
8,918	1977	4	3	21	15	0
8,919	1977	4	3	21	30	0
8,920	1977	4	3	21	45	0
8,921	1977	4	3	22	0	0
8,922	1977	4	3	22	15	0
8,923	1977	4	3	22	30	0
8,924	1977	4	3	22	45	0
8,925	1977	4	3	23	0	0
8,926	1977	4	3	23	15	0
8,927	1977	4	3	23	30	0
8,928	1977	4	3	23	45	0
8,929	1977	4	4	0	0	0
8,930	1977	4	4	0	15	0
8,931	1977	4	4	0	30	0
8,932	1977	4	4	0	45	0
8,933	1977	4	4	1	0	0
8,934	1977	4	4	1	15	0
8,935	1977	4	4	1	30	0
8,936	1977	4	4	1	45	0
8,937	1977	4	4	2	0	0
8,938	1977	4	4	2	15	0
8,939	1977	4	4	2	30	0
8,940	1977	4	4	2	45	0
8,941	1977	4	4	3	0	0
8,942	1977	4	4	3	15	0
8,943	1977	4	4	3	30	0
8,944	1977	4	4	3	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
8,945	1977	4	4	4	0	0
8,946	1977	4	4	4	15	0
8,947	1977	4	4	4	30	0
8,948	1977	4	4	4	45	0
8,949	1977	4	4	5	0	0
8,950	1977	4	4	5	15	0
8,951	1977	4	4	5	30	0
8,952	1977	4	4	5	45	0
8,953	1977	4	4	6	0	0
8,954	1977	4	4	6	15	0
8,955	1977	4	4	6	30	0
8,956	1977	4	4	6	45	0
8,957	1977	4	4	7	0	0
8,958	1977	4	4	7	15	0
8,959	1977	4	4	7	30	0
8,960	1977	4	4	7	45	0
8,961	1977	4	4	8	0	0
8,962	1977	4	4	8	15	0
8,963	1977	4	4	8	30	0
8,964	1977	4	4	8	45	0
8,965	1977	4	4	9	0	0
8,966	1977	4	4	9	15	0
8,967	1977	4	4	9	30	0
8,968	1977	4	4	9	45	0
8,969	1977	4	4	10	0	0
8,970	1977	4	4	10	15	0
8,971	1977	4	4	10	30	0
8,972	1977	4	4	10	45	0
8,973	1977	4	4	11	0	0
8,974	1977	4	4	11	15	0
8,975	1977	4	4	11	30	0
8,976	1977	4	4	11	45	0
8,977	1977	4	4	12	0	0
8,978	1977	4	4	12	15	0
8,979	1977	4	4	12	30	0
8,980	1977	4	4	12	45	0
8,981	1977	4	4	13	0	0
8,982	1977	4	4	13	15	0
8,983	1977	4	4	13	30	0
8,984	1977	4	4	13	45	0
8,985	1977	4	4	14	0	0
8,986	1977	4	4	14	15	0
8,987	1977	4	4	14	30	0
8,988	1977	4	4	14	45	0
8,989	1977	4	4	15	0	0
8,990	1977	4	4	15	15	0
8,991	1977	4	4	15	30	0
8,992	1977	4	4	15	45	0
8,993	1977	4	4	16	0	0
8,994	1977	4	4	16	15	0
8,995	1977	4	4	16	30	0
8,996	1977	4	4	16	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
8,997	1977	4	4	17	0	0
8,998	1977	4	4	17	15	0
8,999	1977	4	4	17	30	0
9,000	1977	4	4	17	45	0
9,001	1977	4	4	18	0	0.0125
9,002	1977	4	4	18	15	0.0125
9,003	1977	4	4	18	30	0.0125
9,004	1977	4	4	18	45	0.0125
9,005	1977	4	4	19	0	0
9,006	1977	4	4	19	15	0
9,007	1977	4	4	19	30	0
9,008	1977	4	4	19	45	0
9,009	1977	4	4	20	0	0
9,010	1977	4	4	20	15	0
9,011	1977	4	4	20	30	0
9,012	1977	4	4	20	45	0
9,013	1977	4	4	21	0	0
9,014	1977	4	4	21	15	0
9,015	1977	4	4	21	30	0
9,016	1977	4	4	21	45	0
9,017	1977	4	4	22	0	0
9,018	1977	4	4	22	15	0
9,019	1977	4	4	22	30	0
9,020	1977	4	4	22	45	0
9,021	1977	4	4	23	0	0
9,022	1977	4	4	23	15	0
9,023	1977	4	4	23	30	0
9,024	1977	4	4	23	45	0
9,025	1977	4	5	0	0	0.0075
9,026	1977	4	5	0	15	0.0075
9,027	1977	4	5	0	30	0.0075
9,028	1977	4	5	0	45	0.0075
9,029	1977	4	5	1	0	0.0175
9,030	1977	4	5	1	15	0.0175
9,031	1977	4	5	1	30	0.0175
9,032	1977	4	5	1	45	0.0175
9,033	1977	4	5	2	0	0.005
9,034	1977	4	5	2	15	0.005
9,035	1977	4	5	2	30	0.005
9,036	1977	4	5	2	45	0.005
9,037	1977	4	5	3	0	0.0125
9,038	1977	4	5	3	15	0.0125
9,039	1977	4	5	3	30	0.0125
9,040	1977	4	5	3	45	0.0125
9,041	1977	4	5	4	0	0.0025
9,042	1977	4	5	4	15	0.0025
9,043	1977	4	5	4	30	0.0025
9,044	1977	4	5	4	45	0.0025
9,045	1977	4	5	5	0	0
9,046	1977	4	5	5	15	0
9,047	1977	4	5	5	30	0
9,048	1977	4	5	5	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
9,049	1977	4	5	6	0	0
9,050	1977	4	5	6	15	0
9,051	1977	4	5	6	30	0
9,052	1977	4	5	6	45	0
9,053	1977	4	5	7	0	0
9,054	1977	4	5	7	15	0
9,055	1977	4	5	7	30	0
9,056	1977	4	5	7	45	0
9,057	1977	4	5	8	0	0
9,058	1977	4	5	8	15	0
9,059	1977	4	5	8	30	0
9,060	1977	4	5	8	45	0
9,061	1977	4	5	9	0	0
9,062	1977	4	5	9	15	0
9,063	1977	4	5	9	30	0
9,064	1977	4	5	9	45	0
9,065	1977	4	5	10	0	0
9,066	1977	4	5	10	15	0
9,067	1977	4	5	10	30	0
9,068	1977	4	5	10	45	0
9,069	1977	4	5	11	0	0
9,070	1977	4	5	11	15	0
9,071	1977	4	5	11	30	0
9,072	1977	4	5	11	45	0
9,073	1977	4	5	12	0	0
9,074	1977	4	5	12	15	0
9,075	1977	4	5	12	30	0
9,076	1977	4	5	12	45	0
9,077	1977	4	5	13	0	0
9,078	1977	4	5	13	15	0
9,079	1977	4	5	13	30	0
9,080	1977	4	5	13	45	0
9,081	1977	4	5	14	0	0
9,082	1977	4	5	14	15	0
9,083	1977	4	5	14	30	0
9,084	1977	4	5	14	45	0
9,085	1977	4	5	15	0	0
9,086	1977	4	5	15	15	0
9,087	1977	4	5	15	30	0
9,088	1977	4	5	15	45	0
9,089	1977	4	5	16	0	0
9,090	1977	4	5	16	15	0
9,091	1977	4	5	16	30	0
9,092	1977	4	5	16	45	0
9,093	1977	4	5	17	0	0.01
9,094	1977	4	5	17	15	0.01
9,095	1977	4	5	17	30	0.01
9,096	1977	4	5	17	45	0.01
9,097	1977	4	5	18	0	0
9,098	1977	4	5	18	15	0
9,099	1977	4	5	18	30	0
9,100	1977	4	5	18	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
9,101	1977	4	5	19	0	0
9,102	1977	4	5	19	15	0
9,103	1977	4	5	19	30	0
9,104	1977	4	5	19	45	0
9,105	1977	4	5	20	0	0
9,106	1977	4	5	20	15	0
9,107	1977	4	5	20	30	0
9,108	1977	4	5	20	45	0
9,109	1977	4	5	21	0	0
9,110	1977	4	5	21	15	0
9,111	1977	4	5	21	30	0
9,112	1977	4	5	21	45	0
9,113	1977	4	5	22	0	0
9,114	1977	4	5	22	15	0
9,115	1977	4	5	22	30	0
9,116	1977	4	5	22	45	0
9,117	1977	4	5	23	0	0
9,118	1977	4	5	23	15	0
9,119	1977	4	5	23	30	0
9,120	1977	4	5	23	45	0
9,121	1977	4	6	0	0	0
9,122	1977	4	6	0	15	0
9,123	1977	4	6	0	30	0
9,124	1977	4	6	0	45	0
9,125	1977	4	6	1	0	0
9,126	1977	4	6	1	15	0
9,127	1977	4	6	1	30	0
9,128	1977	4	6	1	45	0
9,129	1977	4	6	2	0	0
9,130	1977	4	6	2	15	0
9,131	1977	4	6	2	30	0
9,132	1977	4	6	2	45	0
9,133	1977	4	6	3	0	0
9,134	1977	4	6	3	15	0
9,135	1977	4	6	3	30	0
9,136	1977	4	6	3	45	0
9,137	1977	4	6	4	0	0
9,138	1977	4	6	4	15	0
9,139	1977	4	6	4	30	0
9,140	1977	4	6	4	45	0
9,141	1977	4	6	5	0	0.0025
9,142	1977	4	6	5	15	0.0025
9,143	1977	4	6	5	30	0.0025
9,144	1977	4	6	5	45	0.0025
9,145	1977	4	6	6	0	0
9,146	1977	4	6	6	15	0
9,147	1977	4	6	6	30	0
9,148	1977	4	6	6	45	0
9,149	1977	4	6	7	0	0
9,150	1977	4	6	7	15	0
9,151	1977	4	6	7	30	0
9,152	1977	4	6	7	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
9,153	1977	4	6	8	0	0
9,154	1977	4	6	8	15	0
9,155	1977	4	6	8	30	0
9,156	1977	4	6	8	45	0
9,157	1977	4	6	9	0	0
9,158	1977	4	6	9	15	0
9,159	1977	4	6	9	30	0
9,160	1977	4	6	9	45	0
9,161	1977	4	6	10	0	0
9,162	1977	4	6	10	15	0
9,163	1977	4	6	10	30	0
9,164	1977	4	6	10	45	0
9,165	1977	4	6	11	0	0
9,166	1977	4	6	11	15	0
9,167	1977	4	6	11	30	0
9,168	1977	4	6	11	45	0
9,169	1977	4	6	12	0	0.0025
9,170	1977	4	6	12	15	0.0025
9,171	1977	4	6	12	30	0.0025
9,172	1977	4	6	12	45	0.0025
9,173	1977	4	6	13	0	0.0025
9,174	1977	4	6	13	15	0.0025
9,175	1977	4	6	13	30	0.0025
9,176	1977	4	6	13	45	0.0025
9,177	1977	4	6	14	0	0
9,178	1977	4	6	14	15	0
9,179	1977	4	6	14	30	0
9,180	1977	4	6	14	45	0
9,181	1977	4	6	15	0	0
9,182	1977	4	6	15	15	0
9,183	1977	4	6	15	30	0
9,184	1977	4	6	15	45	0
9,185	1977	4	6	16	0	0
9,186	1977	4	6	16	15	0
9,187	1977	4	6	16	30	0
9,188	1977	4	6	16	45	0
9,189	1977	4	6	17	0	0
9,190	1977	4	6	17	15	0
9,191	1977	4	6	17	30	0
9,192	1977	4	6	17	45	0
9,193	1977	4	6	18	0	0
9,194	1977	4	6	18	15	0
9,195	1977	4	6	18	30	0
9,196	1977	4	6	18	45	0
9,197	1977	4	6	19	0	0
9,198	1977	4	6	19	15	0
9,199	1977	4	6	19	30	0
9,200	1977	4	6	19	45	0
9,201	1977	4	6	20	0	0
9,202	1977	4	6	20	15	0
9,203	1977	4	6	20	30	0
9,204	1977	4	6	20	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
9,205	1977	4	6	21	0	0
9,206	1977	4	6	21	15	0
9,207	1977	4	6	21	30	0
9,208	1977	4	6	21	45	0
9,209	1977	4	6	22	0	0
9,210	1977	4	6	22	15	0
9,211	1977	4	6	22	30	0
9,212	1977	4	6	22	45	0
9,213	1977	4	6	23	0	0
9,214	1977	4	6	23	15	0
9,215	1977	4	6	23	30	0
9,216	1977	4	6	23	45	0
9,217	1977	4	7	0	0	0
9,218	1977	4	7	0	15	0
9,219	1977	4	7	0	30	0
9,220	1977	4	7	0	45	0
9,221	1977	4	7	1	0	0
9,222	1977	4	7	1	15	0
9,223	1977	4	7	1	30	0
9,224	1977	4	7	1	45	0
9,225	1977	4	7	2	0	0
9,226	1977	4	7	2	15	0
9,227	1977	4	7	2	30	0
9,228	1977	4	7	2	45	0
9,229	1977	4	7	3	0	0
9,230	1977	4	7	3	15	0
9,231	1977	4	7	3	30	0
9,232	1977	4	7	3	45	0
9,233	1977	4	7	4	0	0
9,234	1977	4	7	4	15	0
9,235	1977	4	7	4	30	0
9,236	1977	4	7	4	45	0
9,237	1977	4	7	5	0	0
9,238	1977	4	7	5	15	0
9,239	1977	4	7	5	30	0
9,240	1977	4	7	5	45	0
9,241	1977	4	7	6	0	0
9,242	1977	4	7	6	15	0
9,243	1977	4	7	6	30	0
9,244	1977	4	7	6	45	0
9,245	1977	4	7	7	0	0
9,246	1977	4	7	7	15	0
9,247	1977	4	7	7	30	0
9,248	1977	4	7	7	45	0
9,249	1977	4	7	8	0	0
9,250	1977	4	7	8	15	0
9,251	1977	4	7	8	30	0
9,252	1977	4	7	8	45	0
9,253	1977	4	7	9	0	0
9,254	1977	4	7	9	15	0
9,255	1977	4	7	9	30	0
9,256	1977	4	7	9	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
9,257	1977	4	7	10	0	0
9,258	1977	4	7	10	15	0
9,259	1977	4	7	10	30	0
9,260	1977	4	7	10	45	0
9,261	1977	4	7	11	0	0
9,262	1977	4	7	11	15	0
9,263	1977	4	7	11	30	0
9,264	1977	4	7	11	45	0
9,265	1977	4	7	12	0	0
9,266	1977	4	7	12	15	0
9,267	1977	4	7	12	30	0
9,268	1977	4	7	12	45	0
9,269	1977	4	7	13	0	0
9,270	1977	4	7	13	15	0
9,271	1977	4	7	13	30	0
9,272	1977	4	7	13	45	0
9,273	1977	4	7	14	0	0
9,274	1977	4	7	14	15	0
9,275	1977	4	7	14	30	0
9,276	1977	4	7	14	45	0
9,277	1977	4	7	15	0	0
9,278	1977	4	7	15	15	0
9,279	1977	4	7	15	30	0
9,280	1977	4	7	15	45	0
9,281	1977	4	7	16	0	0
9,282	1977	4	7	16	15	0
9,283	1977	4	7	16	30	0
9,284	1977	4	7	16	45	0
9,285	1977	4	7	17	0	0
9,286	1977	4	7	17	15	0
9,287	1977	4	7	17	30	0
9,288	1977	4	7	17	45	0
9,289	1977	4	7	18	0	0.0025
9,290	1977	4	7	18	15	0.0025
9,291	1977	4	7	18	30	0.0025
9,292	1977	4	7	18	45	0.0025
9,293	1977	4	7	19	0	0
9,294	1977	4	7	19	15	0
9,295	1977	4	7	19	30	0
9,296	1977	4	7	19	45	0
9,297	1977	4	7	20	0	0
9,298	1977	4	7	20	15	0
9,299	1977	4	7	20	30	0
9,300	1977	4	7	20	45	0
9,301	1977	4	7	21	0	0
9,302	1977	4	7	21	15	0
9,303	1977	4	7	21	30	0
9,304	1977	4	7	21	45	0
9,305	1977	4	7	22	0	0
9,306	1977	4	7	22	15	0
9,307	1977	4	7	22	30	0
9,308	1977	4	7	22	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
9,309	1977	4	7	23	0	0
9,310	1977	4	7	23	15	0
9,311	1977	4	7	23	30	0
9,312	1977	4	7	23	45	0
9,313	1977	4	8	0	0	0
9,314	1977	4	8	0	15	0
9,315	1977	4	8	0	30	0
9,316	1977	4	8	0	45	0
9,317	1977	4	8	1	0	0
9,318	1977	4	8	1	15	0
9,319	1977	4	8	1	30	0
9,320	1977	4	8	1	45	0
9,321	1977	4	8	2	0	0
9,322	1977	4	8	2	15	0
9,323	1977	4	8	2	30	0
9,324	1977	4	8	2	45	0
9,325	1977	4	8	3	0	0
9,326	1977	4	8	3	15	0
9,327	1977	4	8	3	30	0
9,328	1977	4	8	3	45	0
9,329	1977	4	8	4	0	0
9,330	1977	4	8	4	15	0
9,331	1977	4	8	4	30	0
9,332	1977	4	8	4	45	0
9,333	1977	4	8	5	0	0
9,334	1977	4	8	5	15	0
9,335	1977	4	8	5	30	0
9,336	1977	4	8	5	45	0
9,337	1977	4	8	6	0	0
9,338	1977	4	8	6	15	0
9,339	1977	4	8	6	30	0
9,340	1977	4	8	6	45	0
9,341	1977	4	8	7	0	0
9,342	1977	4	8	7	15	0
9,343	1977	4	8	7	30	0
9,344	1977	4	8	7	45	0
9,345	1977	4	8	8	0	0
9,346	1977	4	8	8	15	0
9,347	1977	4	8	8	30	0
9,348	1977	4	8	8	45	0
9,349	1977	4	8	9	0	0
9,350	1977	4	8	9	15	0
9,351	1977	4	8	9	30	0
9,352	1977	4	8	9	45	0
9,353	1977	4	8	10	0	0
9,354	1977	4	8	10	15	0
9,355	1977	4	8	10	30	0
9,356	1977	4	8	10	45	0
9,357	1977	4	8	11	0	0
9,358	1977	4	8	11	15	0
9,359	1977	4	8	11	30	0
9,360	1977	4	8	11	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
9,361	1977	4	8	12	0	0
9,362	1977	4	8	12	15	0
9,363	1977	4	8	12	30	0
9,364	1977	4	8	12	45	0
9,365	1977	4	8	13	0	0
9,366	1977	4	8	13	15	0
9,367	1977	4	8	13	30	0
9,368	1977	4	8	13	45	0
9,369	1977	4	8	14	0	0
9,370	1977	4	8	14	15	0
9,371	1977	4	8	14	30	0
9,372	1977	4	8	14	45	0
9,373	1977	4	8	15	0	0
9,374	1977	4	8	15	15	0
9,375	1977	4	8	15	30	0
9,376	1977	4	8	15	45	0
9,377	1977	4	8	16	0	0
9,378	1977	4	8	16	15	0
9,379	1977	4	8	16	30	0
9,380	1977	4	8	16	45	0
9,381	1977	4	8	17	0	0
9,382	1977	4	8	17	15	0
9,383	1977	4	8	17	30	0
9,384	1977	4	8	17	45	0
9,385	1977	4	8	18	0	0
9,386	1977	4	8	18	15	0
9,387	1977	4	8	18	30	0
9,388	1977	4	8	18	45	0
9,389	1977	4	8	19	0	0
9,390	1977	4	8	19	15	0
9,391	1977	4	8	19	30	0
9,392	1977	4	8	19	45	0
9,393	1977	4	8	20	0	0
9,394	1977	4	8	20	15	0
9,395	1977	4	8	20	30	0
9,396	1977	4	8	20	45	0
9,397	1977	4	8	21	0	0
9,398	1977	4	8	21	15	0
9,399	1977	4	8	21	30	0
9,400	1977	4	8	21	45	0
9,401	1977	4	8	22	0	0
9,402	1977	4	8	22	15	0
9,403	1977	4	8	22	30	0
9,404	1977	4	8	22	45	0
9,405	1977	4	8	23	0	0
9,406	1977	4	8	23	15	0
9,407	1977	4	8	23	30	0
9,408	1977	4	8	23	45	0
9,409	1977	4	9	0	0	0
9,410	1977	4	9	0	15	0
9,411	1977	4	9	0	30	0
9,412	1977	4	9	0	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
9,413	1977	4	9	1	0	0
9,414	1977	4	9	1	15	0
9,415	1977	4	9	1	30	0
9,416	1977	4	9	1	45	0
9,417	1977	4	9	2	0	0
9,418	1977	4	9	2	15	0
9,419	1977	4	9	2	30	0
9,420	1977	4	9	2	45	0
9,421	1977	4	9	3	0	0
9,422	1977	4	9	3	15	0
9,423	1977	4	9	3	30	0
9,424	1977	4	9	3	45	0
9,425	1977	4	9	4	0	0
9,426	1977	4	9	4	15	0
9,427	1977	4	9	4	30	0
9,428	1977	4	9	4	45	0
9,429	1977	4	9	5	0	0
9,430	1977	4	9	5	15	0
9,431	1977	4	9	5	30	0
9,432	1977	4	9	5	45	0
9,433	1977	4	9	6	0	0
9,434	1977	4	9	6	15	0
9,435	1977	4	9	6	30	0
9,436	1977	4	9	6	45	0
9,437	1977	4	9	7	0	0
9,438	1977	4	9	7	15	0
9,439	1977	4	9	7	30	0
9,440	1977	4	9	7	45	0
9,441	1977	4	9	8	0	0
9,442	1977	4	9	8	15	0
9,443	1977	4	9	8	30	0
9,444	1977	4	9	8	45	0
9,445	1977	4	9	9	0	0
9,446	1977	4	9	9	15	0
9,447	1977	4	9	9	30	0
9,448	1977	4	9	9	45	0
9,449	1977	4	9	10	0	0
9,450	1977	4	9	10	15	0
9,451	1977	4	9	10	30	0
9,452	1977	4	9	10	45	0
9,453	1977	4	9	11	0	0
9,454	1977	4	9	11	15	0
9,455	1977	4	9	11	30	0
9,456	1977	4	9	11	45	0
9,457	1977	4	9	12	0	0
9,458	1977	4	9	12	15	0
9,459	1977	4	9	12	30	0
9,460	1977	4	9	12	45	0
9,461	1977	4	9	13	0	0
9,462	1977	4	9	13	15	0
9,463	1977	4	9	13	30	0
9,464	1977	4	9	13	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
9,465	1977	4	9	14	0	0
9,466	1977	4	9	14	15	0
9,467	1977	4	9	14	30	0
9,468	1977	4	9	14	45	0
9,469	1977	4	9	15	0	0
9,470	1977	4	9	15	15	0
9,471	1977	4	9	15	30	0
9,472	1977	4	9	15	45	0
9,473	1977	4	9	16	0	0
9,474	1977	4	9	16	15	0
9,475	1977	4	9	16	30	0
9,476	1977	4	9	16	45	0
9,477	1977	4	9	17	0	0
9,478	1977	4	9	17	15	0
9,479	1977	4	9	17	30	0
9,480	1977	4	9	17	45	0
9,481	1977	4	9	18	0	0
9,482	1977	4	9	18	15	0
9,483	1977	4	9	18	30	0
9,484	1977	4	9	18	45	0
9,485	1977	4	9	19	0	0
9,486	1977	4	9	19	15	0
9,487	1977	4	9	19	30	0
9,488	1977	4	9	19	45	0
9,489	1977	4	9	20	0	0
9,490	1977	4	9	20	15	0
9,491	1977	4	9	20	30	0
9,492	1977	4	9	20	45	0
9,493	1977	4	9	21	0	0
9,494	1977	4	9	21	15	0
9,495	1977	4	9	21	30	0
9,496	1977	4	9	21	45	0
9,497	1977	4	9	22	0	0
9,498	1977	4	9	22	15	0
9,499	1977	4	9	22	30	0
9,500	1977	4	9	22	45	0
9,501	1977	4	9	23	0	0
9,502	1977	4	9	23	15	0
9,503	1977	4	9	23	30	0
9,504	1977	4	9	23	45	0
9,505	1977	4	10	0	0	0
9,506	1977	4	10	0	15	0
9,507	1977	4	10	0	30	0
9,508	1977	4	10	0	45	0
9,509	1977	4	10	1	0	0
9,510	1977	4	10	1	15	0
9,511	1977	4	10	1	30	0
9,512	1977	4	10	1	45	0
9,513	1977	4	10	2	0	0
9,514	1977	4	10	2	15	0
9,515	1977	4	10	2	30	0
9,516	1977	4	10	2	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
9,517	1977	4	10	3	0	0
9,518	1977	4	10	3	15	0
9,519	1977	4	10	3	30	0
9,520	1977	4	10	3	45	0
9,521	1977	4	10	4	0	0
9,522	1977	4	10	4	15	0
9,523	1977	4	10	4	30	0
9,524	1977	4	10	4	45	0
9,525	1977	4	10	5	0	0
9,526	1977	4	10	5	15	0
9,527	1977	4	10	5	30	0
9,528	1977	4	10	5	45	0
9,529	1977	4	10	6	0	0
9,530	1977	4	10	6	15	0
9,531	1977	4	10	6	30	0
9,532	1977	4	10	6	45	0
9,533	1977	4	10	7	0	0
9,534	1977	4	10	7	15	0
9,535	1977	4	10	7	30	0
9,536	1977	4	10	7	45	0
9,537	1977	4	10	8	0	0.0025
9,538	1977	4	10	8	15	0.0025
9,539	1977	4	10	8	30	0.0025
9,540	1977	4	10	8	45	0.0025
9,541	1977	4	10	9	0	0.0025
9,542	1977	4	10	9	15	0.0025
9,543	1977	4	10	9	30	0.0025
9,544	1977	4	10	9	45	0.0025
9,545	1977	4	10	10	0	0
9,546	1977	4	10	10	15	0
9,547	1977	4	10	10	30	0
9,548	1977	4	10	10	45	0
9,549	1977	4	10	11	0	0
9,550	1977	4	10	11	15	0
9,551	1977	4	10	11	30	0
9,552	1977	4	10	11	45	0
9,553	1977	4	10	12	0	0
9,554	1977	4	10	12	15	0
9,555	1977	4	10	12	30	0
9,556	1977	4	10	12	45	0
9,557	1977	4	10	13	0	0
9,558	1977	4	10	13	15	0
9,559	1977	4	10	13	30	0
9,560	1977	4	10	13	45	0
9,561	1977	4	10	14	0	0
9,562	1977	4	10	14	15	0
9,563	1977	4	10	14	30	0
9,564	1977	4	10	14	45	0
9,565	1977	4	10	15	0	0
9,566	1977	4	10	15	15	0
9,567	1977	4	10	15	30	0
9,568	1977	4	10	15	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
9,569	1977	4	10	16	0	0
9,570	1977	4	10	16	15	0
9,571	1977	4	10	16	30	0
9,572	1977	4	10	16	45	0
9,573	1977	4	10	17	0	0
9,574	1977	4	10	17	15	0
9,575	1977	4	10	17	30	0
9,576	1977	4	10	17	45	0
9,577	1977	4	10	18	0	0
9,578	1977	4	10	18	15	0
9,579	1977	4	10	18	30	0
9,580	1977	4	10	18	45	0
9,581	1977	4	10	19	0	0
9,582	1977	4	10	19	15	0
9,583	1977	4	10	19	30	0
9,584	1977	4	10	19	45	0
9,585	1977	4	10	20	0	0
9,586	1977	4	10	20	15	0
9,587	1977	4	10	20	30	0
9,588	1977	4	10	20	45	0
9,589	1977	4	10	21	0	0
9,590	1977	4	10	21	15	0
9,591	1977	4	10	21	30	0
9,592	1977	4	10	21	45	0
9,593	1977	4	10	22	0	0
9,594	1977	4	10	22	15	0
9,595	1977	4	10	22	30	0
9,596	1977	4	10	22	45	0
9,597	1977	4	10	23	0	0
9,598	1977	4	10	23	15	0
9,599	1977	4	10	23	30	0
9,600	1977	4	10	23	45	0
9,601	1977	4	11	0	0	0
9,602	1977	4	11	0	15	0
9,603	1977	4	11	0	30	0
9,604	1977	4	11	0	45	0
9,605	1977	4	11	1	0	0
9,606	1977	4	11	1	15	0
9,607	1977	4	11	1	30	0
9,608	1977	4	11	1	45	0
9,609	1977	4	11	2	0	0
9,610	1977	4	11	2	15	0
9,611	1977	4	11	2	30	0
9,612	1977	4	11	2	45	0
9,613	1977	4	11	3	0	0
9,614	1977	4	11	3	15	0
9,615	1977	4	11	3	30	0
9,616	1977	4	11	3	45	0
9,617	1977	4	11	4	0	0
9,618	1977	4	11	4	15	0
9,619	1977	4	11	4	30	0
9,620	1977	4	11	4	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
9,621	1977	4	11	5	0	0
9,622	1977	4	11	5	15	0
9,623	1977	4	11	5	30	0
9,624	1977	4	11	5	45	0
9,625	1977	4	11	6	0	0
9,626	1977	4	11	6	15	0
9,627	1977	4	11	6	30	0
9,628	1977	4	11	6	45	0
9,629	1977	4	11	7	0	0
9,630	1977	4	11	7	15	0
9,631	1977	4	11	7	30	0
9,632	1977	4	11	7	45	0
9,633	1977	4	11	8	0	0
9,634	1977	4	11	8	15	0
9,635	1977	4	11	8	30	0
9,636	1977	4	11	8	45	0
9,637	1977	4	11	9	0	0
9,638	1977	4	11	9	15	0
9,639	1977	4	11	9	30	0
9,640	1977	4	11	9	45	0
9,641	1977	4	11	10	0	0
9,642	1977	4	11	10	15	0
9,643	1977	4	11	10	30	0
9,644	1977	4	11	10	45	0
9,645	1977	4	11	11	0	0
9,646	1977	4	11	11	15	0
9,647	1977	4	11	11	30	0
9,648	1977	4	11	11	45	0
9,649	1977	4	11	12	0	0
9,650	1977	4	11	12	15	0
9,651	1977	4	11	12	30	0
9,652	1977	4	11	12	45	0
9,653	1977	4	11	13	0	0
9,654	1977	4	11	13	15	0
9,655	1977	4	11	13	30	0
9,656	1977	4	11	13	45	0
9,657	1977	4	11	14	0	0
9,658	1977	4	11	14	15	0
9,659	1977	4	11	14	30	0
9,660	1977	4	11	14	45	0
9,661	1977	4	11	15	0	0
9,662	1977	4	11	15	15	0
9,663	1977	4	11	15	30	0
9,664	1977	4	11	15	45	0
9,665	1977	4	11	16	0	0
9,666	1977	4	11	16	15	0
9,667	1977	4	11	16	30	0
9,668	1977	4	11	16	45	0
9,669	1977	4	11	17	0	0
9,670	1977	4	11	17	15	0
9,671	1977	4	11	17	30	0
9,672	1977	4	11	17	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
9,673	1977	4	11	18	0	0
9,674	1977	4	11	18	15	0
9,675	1977	4	11	18	30	0
9,676	1977	4	11	18	45	0
9,677	1977	4	11	19	0	0
9,678	1977	4	11	19	15	0
9,679	1977	4	11	19	30	0
9,680	1977	4	11	19	45	0
9,681	1977	4	11	20	0	0
9,682	1977	4	11	20	15	0
9,683	1977	4	11	20	30	0
9,684	1977	4	11	20	45	0
9,685	1977	4	11	21	0	0
9,686	1977	4	11	21	15	0
9,687	1977	4	11	21	30	0
9,688	1977	4	11	21	45	0
9,689	1977	4	11	22	0	0
9,690	1977	4	11	22	15	0
9,691	1977	4	11	22	30	0
9,692	1977	4	11	22	45	0
9,693	1977	4	11	23	0	0
9,694	1977	4	11	23	15	0
9,695	1977	4	11	23	30	0
9,696	1977	4	11	23	45	0
9,697	1977	4	12	0	0	0
9,698	1977	4	12	0	15	0
9,699	1977	4	12	0	30	0
9,700	1977	4	12	0	45	0
9,701	1977	4	12	1	0	0
9,702	1977	4	12	1	15	0
9,703	1977	4	12	1	30	0
9,704	1977	4	12	1	45	0
9,705	1977	4	12	2	0	0
9,706	1977	4	12	2	15	0
9,707	1977	4	12	2	30	0
9,708	1977	4	12	2	45	0
9,709	1977	4	12	3	0	0
9,710	1977	4	12	3	15	0
9,711	1977	4	12	3	30	0
9,712	1977	4	12	3	45	0
9,713	1977	4	12	4	0	0
9,714	1977	4	12	4	15	0
9,715	1977	4	12	4	30	0
9,716	1977	4	12	4	45	0
9,717	1977	4	12	5	0	0
9,718	1977	4	12	5	15	0
9,719	1977	4	12	5	30	0
9,720	1977	4	12	5	45	0
9,721	1977	4	12	6	0	0
9,722	1977	4	12	6	15	0
9,723	1977	4	12	6	30	0
9,724	1977	4	12	6	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
9,725	1977	4	12	7	0	0
9,726	1977	4	12	7	15	0
9,727	1977	4	12	7	30	0
9,728	1977	4	12	7	45	0
9,729	1977	4	12	8	0	0
9,730	1977	4	12	8	15	0
9,731	1977	4	12	8	30	0
9,732	1977	4	12	8	45	0
9,733	1977	4	12	9	0	0
9,734	1977	4	12	9	15	0
9,735	1977	4	12	9	30	0
9,736	1977	4	12	9	45	0
9,737	1977	4	12	10	0	0
9,738	1977	4	12	10	15	0
9,739	1977	4	12	10	30	0
9,740	1977	4	12	10	45	0
9,741	1977	4	12	11	0	0
9,742	1977	4	12	11	15	0
9,743	1977	4	12	11	30	0
9,744	1977	4	12	11	45	0
9,745	1977	4	12	12	0	0
9,746	1977	4	12	12	15	0
9,747	1977	4	12	12	30	0
9,748	1977	4	12	12	45	0
9,749	1977	4	12	13	0	0
9,750	1977	4	12	13	15	0
9,751	1977	4	12	13	30	0
9,752	1977	4	12	13	45	0
9,753	1977	4	12	14	0	0
9,754	1977	4	12	14	15	0
9,755	1977	4	12	14	30	0
9,756	1977	4	12	14	45	0
9,757	1977	4	12	15	0	0
9,758	1977	4	12	15	15	0
9,759	1977	4	12	15	30	0
9,760	1977	4	12	15	45	0
9,761	1977	4	12	16	0	0
9,762	1977	4	12	16	15	0
9,763	1977	4	12	16	30	0
9,764	1977	4	12	16	45	0
9,765	1977	4	12	17	0	0
9,766	1977	4	12	17	15	0
9,767	1977	4	12	17	30	0
9,768	1977	4	12	17	45	0
9,769	1977	4	12	18	0	0
9,770	1977	4	12	18	15	0
9,771	1977	4	12	18	30	0
9,772	1977	4	12	18	45	0
9,773	1977	4	12	19	0	0
9,774	1977	4	12	19	15	0
9,775	1977	4	12	19	30	0
9,776	1977	4	12	19	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
9,777	1977	4	12	20	0	0
9,778	1977	4	12	20	15	0
9,779	1977	4	12	20	30	0
9,780	1977	4	12	20	45	0
9,781	1977	4	12	21	0	0
9,782	1977	4	12	21	15	0
9,783	1977	4	12	21	30	0
9,784	1977	4	12	21	45	0
9,785	1977	4	12	22	0	0
9,786	1977	4	12	22	15	0
9,787	1977	4	12	22	30	0
9,788	1977	4	12	22	45	0
9,789	1977	4	12	23	0	0
9,790	1977	4	12	23	15	0
9,791	1977	4	12	23	30	0
9,792	1977	4	12	23	45	0
9,793	1977	4	13	0	0	0
9,794	1977	4	13	0	15	0
9,795	1977	4	13	0	30	0
9,796	1977	4	13	0	45	0
9,797	1977	4	13	1	0	0
9,798	1977	4	13	1	15	0
9,799	1977	4	13	1	30	0
9,800	1977	4	13	1	45	0
9,801	1977	4	13	2	0	0
9,802	1977	4	13	2	15	0
9,803	1977	4	13	2	30	0
9,804	1977	4	13	2	45	0
9,805	1977	4	13	3	0	0
9,806	1977	4	13	3	15	0
9,807	1977	4	13	3	30	0
9,808	1977	4	13	3	45	0
9,809	1977	4	13	4	0	0
9,810	1977	4	13	4	15	0
9,811	1977	4	13	4	30	0
9,812	1977	4	13	4	45	0
9,813	1977	4	13	5	0	0
9,814	1977	4	13	5	15	0
9,815	1977	4	13	5	30	0
9,816	1977	4	13	5	45	0
9,817	1977	4	13	6	0	0
9,818	1977	4	13	6	15	0
9,819	1977	4	13	6	30	0
9,820	1977	4	13	6	45	0
9,821	1977	4	13	7	0	0
9,822	1977	4	13	7	15	0
9,823	1977	4	13	7	30	0
9,824	1977	4	13	7	45	0
9,825	1977	4	13	8	0	0
9,826	1977	4	13	8	15	0
9,827	1977	4	13	8	30	0
9,828	1977	4	13	8	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
9,829	1977	4	13	9	0	0
9,830	1977	4	13	9	15	0
9,831	1977	4	13	9	30	0
9,832	1977	4	13	9	45	0
9,833	1977	4	13	10	0	0
9,834	1977	4	13	10	15	0
9,835	1977	4	13	10	30	0
9,836	1977	4	13	10	45	0
9,837	1977	4	13	11	0	0
9,838	1977	4	13	11	15	0
9,839	1977	4	13	11	30	0
9,840	1977	4	13	11	45	0
9,841	1977	4	13	12	0	0
9,842	1977	4	13	12	15	0
9,843	1977	4	13	12	30	0
9,844	1977	4	13	12	45	0
9,845	1977	4	13	13	0	0
9,846	1977	4	13	13	15	0
9,847	1977	4	13	13	30	0
9,848	1977	4	13	13	45	0
9,849	1977	4	13	14	0	0
9,850	1977	4	13	14	15	0
9,851	1977	4	13	14	30	0
9,852	1977	4	13	14	45	0
9,853	1977	4	13	15	0	0
9,854	1977	4	13	15	15	0
9,855	1977	4	13	15	30	0
9,856	1977	4	13	15	45	0
9,857	1977	4	13	16	0	0
9,858	1977	4	13	16	15	0
9,859	1977	4	13	16	30	0
9,860	1977	4	13	16	45	0
9,861	1977	4	13	17	0	0
9,862	1977	4	13	17	15	0
9,863	1977	4	13	17	30	0
9,864	1977	4	13	17	45	0
9,865	1977	4	13	18	0	0
9,866	1977	4	13	18	15	0
9,867	1977	4	13	18	30	0
9,868	1977	4	13	18	45	0
9,869	1977	4	13	19	0	0
9,870	1977	4	13	19	15	0
9,871	1977	4	13	19	30	0
9,872	1977	4	13	19	45	0
9,873	1977	4	13	20	0	0
9,874	1977	4	13	20	15	0
9,875	1977	4	13	20	30	0
9,876	1977	4	13	20	45	0
9,877	1977	4	13	21	0	0
9,878	1977	4	13	21	15	0
9,879	1977	4	13	21	30	0
9,880	1977	4	13	21	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
9,881	1977	4	13	22	0	0
9,882	1977	4	13	22	15	0
9,883	1977	4	13	22	30	0
9,884	1977	4	13	22	45	0
9,885	1977	4	13	23	0	0
9,886	1977	4	13	23	15	0
9,887	1977	4	13	23	30	0
9,888	1977	4	13	23	45	0
9,889	1977	4	14	0	0	0
9,890	1977	4	14	0	15	0
9,891	1977	4	14	0	30	0
9,892	1977	4	14	0	45	0
9,893	1977	4	14	1	0	0.0025
9,894	1977	4	14	1	15	0.0025
9,895	1977	4	14	1	30	0.0025
9,896	1977	4	14	1	45	0.0025
9,897	1977	4	14	2	0	0
9,898	1977	4	14	2	15	0
9,899	1977	4	14	2	30	0
9,900	1977	4	14	2	45	0
9,901	1977	4	14	3	0	0
9,902	1977	4	14	3	15	0
9,903	1977	4	14	3	30	0
9,904	1977	4	14	3	45	0
9,905	1977	4	14	4	0	0
9,906	1977	4	14	4	15	0
9,907	1977	4	14	4	30	0
9,908	1977	4	14	4	45	0
9,909	1977	4	14	5	0	0
9,910	1977	4	14	5	15	0
9,911	1977	4	14	5	30	0
9,912	1977	4	14	5	45	0
9,913	1977	4	14	6	0	0
9,914	1977	4	14	6	15	0
9,915	1977	4	14	6	30	0
9,916	1977	4	14	6	45	0
9,917	1977	4	14	7	0	0
9,918	1977	4	14	7	15	0
9,919	1977	4	14	7	30	0
9,920	1977	4	14	7	45	0
9,921	1977	4	14	8	0	0
9,922	1977	4	14	8	15	0
9,923	1977	4	14	8	30	0
9,924	1977	4	14	8	45	0
9,925	1977	4	14	9	0	0
9,926	1977	4	14	9	15	0
9,927	1977	4	14	9	30	0
9,928	1977	4	14	9	45	0
9,929	1977	4	14	10	0	0
9,930	1977	4	14	10	15	0
9,931	1977	4	14	10	30	0
9,932	1977	4	14	10	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
9,933	1977	4	14	11	0	0
9,934	1977	4	14	11	15	0
9,935	1977	4	14	11	30	0
9,936	1977	4	14	11	45	0
9,937	1977	4	14	12	0	0
9,938	1977	4	14	12	15	0
9,939	1977	4	14	12	30	0
9,940	1977	4	14	12	45	0
9,941	1977	4	14	13	0	0
9,942	1977	4	14	13	15	0
9,943	1977	4	14	13	30	0
9,944	1977	4	14	13	45	0
9,945	1977	4	14	14	0	0
9,946	1977	4	14	14	15	0
9,947	1977	4	14	14	30	0
9,948	1977	4	14	14	45	0
9,949	1977	4	14	15	0	0
9,950	1977	4	14	15	15	0
9,951	1977	4	14	15	30	0
9,952	1977	4	14	15	45	0
9,953	1977	4	14	16	0	0
9,954	1977	4	14	16	15	0
9,955	1977	4	14	16	30	0
9,956	1977	4	14	16	45	0
9,957	1977	4	14	17	0	0
9,958	1977	4	14	17	15	0
9,959	1977	4	14	17	30	0
9,960	1977	4	14	17	45	0
9,961	1977	4	14	18	0	0
9,962	1977	4	14	18	15	0
9,963	1977	4	14	18	30	0
9,964	1977	4	14	18	45	0
9,965	1977	4	14	19	0	0
9,966	1977	4	14	19	15	0
9,967	1977	4	14	19	30	0
9,968	1977	4	14	19	45	0
9,969	1977	4	14	20	0	0
9,970	1977	4	14	20	15	0
9,971	1977	4	14	20	30	0
9,972	1977	4	14	20	45	0
9,973	1977	4	14	21	0	0
9,974	1977	4	14	21	15	0
9,975	1977	4	14	21	30	0
9,976	1977	4	14	21	45	0
9,977	1977	4	14	22	0	0
9,978	1977	4	14	22	15	0
9,979	1977	4	14	22	30	0
9,980	1977	4	14	22	45	0
9,981	1977	4	14	23	0	0
9,982	1977	4	14	23	15	0
9,983	1977	4	14	23	30	0
9,984	1977	4	14	23	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
9,985	1977	4	15	0	0	0
9,986	1977	4	15	0	15	0
9,987	1977	4	15	0	30	0
9,988	1977	4	15	0	45	0
9,989	1977	4	15	1	0	0
9,990	1977	4	15	1	15	0
9,991	1977	4	15	1	30	0
9,992	1977	4	15	1	45	0
9,993	1977	4	15	2	0	0
9,994	1977	4	15	2	15	0
9,995	1977	4	15	2	30	0
9,996	1977	4	15	2	45	0
9,997	1977	4	15	3	0	0
9,998	1977	4	15	3	15	0
9,999	1977	4	15	3	30	0
10,000	1977	4	15	3	45	0
10,001	1977	4	15	4	0	0
10,002	1977	4	15	4	15	0
10,003	1977	4	15	4	30	0
10,004	1977	4	15	4	45	0
10,005	1977	4	15	5	0	0
10,006	1977	4	15	5	15	0
10,007	1977	4	15	5	30	0
10,008	1977	4	15	5	45	0
10,009	1977	4	15	6	0	0
10,010	1977	4	15	6	15	0
10,011	1977	4	15	6	30	0
10,012	1977	4	15	6	45	0
10,013	1977	4	15	7	0	0
10,014	1977	4	15	7	15	0
10,015	1977	4	15	7	30	0
10,016	1977	4	15	7	45	0
10,017	1977	4	15	8	0	0
10,018	1977	4	15	8	15	0
10,019	1977	4	15	8	30	0
10,020	1977	4	15	8	45	0
10,021	1977	4	15	9	0	0
10,022	1977	4	15	9	15	0
10,023	1977	4	15	9	30	0
10,024	1977	4	15	9	45	0
10,025	1977	4	15	10	0	0
10,026	1977	4	15	10	15	0
10,027	1977	4	15	10	30	0
10,028	1977	4	15	10	45	0
10,029	1977	4	15	11	0	0
10,030	1977	4	15	11	15	0
10,031	1977	4	15	11	30	0
10,032	1977	4	15	11	45	0
10,033	1977	4	15	12	0	0
10,034	1977	4	15	12	15	0
10,035	1977	4	15	12	30	0
10,036	1977	4	15	12	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
10,037	1977	4	15	13	0	0
10,038	1977	4	15	13	15	0
10,039	1977	4	15	13	30	0
10,040	1977	4	15	13	45	0
10,041	1977	4	15	14	0	0
10,042	1977	4	15	14	15	0
10,043	1977	4	15	14	30	0
10,044	1977	4	15	14	45	0
10,045	1977	4	15	15	0	0
10,046	1977	4	15	15	15	0
10,047	1977	4	15	15	30	0
10,048	1977	4	15	15	45	0
10,049	1977	4	15	16	0	0
10,050	1977	4	15	16	15	0
10,051	1977	4	15	16	30	0
10,052	1977	4	15	16	45	0
10,053	1977	4	15	17	0	0
10,054	1977	4	15	17	15	0
10,055	1977	4	15	17	30	0
10,056	1977	4	15	17	45	0
10,057	1977	4	15	18	0	0
10,058	1977	4	15	18	15	0
10,059	1977	4	15	18	30	0
10,060	1977	4	15	18	45	0
10,061	1977	4	15	19	0	0
10,062	1977	4	15	19	15	0
10,063	1977	4	15	19	30	0
10,064	1977	4	15	19	45	0
10,065	1977	4	15	20	0	0
10,066	1977	4	15	20	15	0
10,067	1977	4	15	20	30	0
10,068	1977	4	15	20	45	0
10,069	1977	4	15	21	0	0
10,070	1977	4	15	21	15	0
10,071	1977	4	15	21	30	0
10,072	1977	4	15	21	45	0
10,073	1977	4	15	22	0	0
10,074	1977	4	15	22	15	0
10,075	1977	4	15	22	30	0
10,076	1977	4	15	22	45	0
10,077	1977	4	15	23	0	0
10,078	1977	4	15	23	15	0
10,079	1977	4	15	23	30	0
10,080	1977	4	15	23	45	0
10,081	1977	4	16	0	0	0
10,082	1977	4	16	0	15	0
10,083	1977	4	16	0	30	0
10,084	1977	4	16	0	45	0
10,085	1977	4	16	1	0	0
10,086	1977	4	16	1	15	0
10,087	1977	4	16	1	30	0
10,088	1977	4	16	1	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
10,089	1977	4	16	2	0	0
10,090	1977	4	16	2	15	0
10,091	1977	4	16	2	30	0
10,092	1977	4	16	2	45	0
10,093	1977	4	16	3	0	0
10,094	1977	4	16	3	15	0
10,095	1977	4	16	3	30	0
10,096	1977	4	16	3	45	0
10,097	1977	4	16	4	0	0
10,098	1977	4	16	4	15	0
10,099	1977	4	16	4	30	0
10,100	1977	4	16	4	45	0
10,101	1977	4	16	5	0	0
10,102	1977	4	16	5	15	0
10,103	1977	4	16	5	30	0
10,104	1977	4	16	5	45	0
10,105	1977	4	16	6	0	0
10,106	1977	4	16	6	15	0
10,107	1977	4	16	6	30	0
10,108	1977	4	16	6	45	0
10,109	1977	4	16	7	0	0
10,110	1977	4	16	7	15	0
10,111	1977	4	16	7	30	0
10,112	1977	4	16	7	45	0
10,113	1977	4	16	8	0	0
10,114	1977	4	16	8	15	0
10,115	1977	4	16	8	30	0
10,116	1977	4	16	8	45	0
10,117	1977	4	16	9	0	0
10,118	1977	4	16	9	15	0
10,119	1977	4	16	9	30	0
10,120	1977	4	16	9	45	0
10,121	1977	4	16	10	0	0
10,122	1977	4	16	10	15	0
10,123	1977	4	16	10	30	0
10,124	1977	4	16	10	45	0
10,125	1977	4	16	11	0	0
10,126	1977	4	16	11	15	0
10,127	1977	4	16	11	30	0
10,128	1977	4	16	11	45	0
10,129	1977	4	16	12	0	0
10,130	1977	4	16	12	15	0
10,131	1977	4	16	12	30	0
10,132	1977	4	16	12	45	0
10,133	1977	4	16	13	0	0
10,134	1977	4	16	13	15	0
10,135	1977	4	16	13	30	0
10,136	1977	4	16	13	45	0
10,137	1977	4	16	14	0	0
10,138	1977	4	16	14	15	0
10,139	1977	4	16	14	30	0
10,140	1977	4	16	14	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
10,141	1977	4	16	15	0	0
10,142	1977	4	16	15	15	0
10,143	1977	4	16	15	30	0
10,144	1977	4	16	15	45	0
10,145	1977	4	16	16	0	0
10,146	1977	4	16	16	15	0
10,147	1977	4	16	16	30	0
10,148	1977	4	16	16	45	0
10,149	1977	4	16	17	0	0
10,150	1977	4	16	17	15	0
10,151	1977	4	16	17	30	0
10,152	1977	4	16	17	45	0
10,153	1977	4	16	18	0	0
10,154	1977	4	16	18	15	0
10,155	1977	4	16	18	30	0
10,156	1977	4	16	18	45	0
10,157	1977	4	16	19	0	0
10,158	1977	4	16	19	15	0
10,159	1977	4	16	19	30	0
10,160	1977	4	16	19	45	0
10,161	1977	4	16	20	0	0
10,162	1977	4	16	20	15	0
10,163	1977	4	16	20	30	0
10,164	1977	4	16	20	45	0
10,165	1977	4	16	21	0	0
10,166	1977	4	16	21	15	0
10,167	1977	4	16	21	30	0
10,168	1977	4	16	21	45	0
10,169	1977	4	16	22	0	0
10,170	1977	4	16	22	15	0
10,171	1977	4	16	22	30	0
10,172	1977	4	16	22	45	0
10,173	1977	4	16	23	0	0
10,174	1977	4	16	23	15	0
10,175	1977	4	16	23	30	0
10,176	1977	4	16	23	45	0
10,177	1977	4	17	0	0	0
10,178	1977	4	17	0	15	0
10,179	1977	4	17	0	30	0
10,180	1977	4	17	0	45	0
10,181	1977	4	17	1	0	0
10,182	1977	4	17	1	15	0
10,183	1977	4	17	1	30	0
10,184	1977	4	17	1	45	0
10,185	1977	4	17	2	0	0
10,186	1977	4	17	2	15	0
10,187	1977	4	17	2	30	0
10,188	1977	4	17	2	45	0
10,189	1977	4	17	3	0	0
10,190	1977	4	17	3	15	0
10,191	1977	4	17	3	30	0
10,192	1977	4	17	3	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
10,193	1977	4	17	4	0	0
10,194	1977	4	17	4	15	0
10,195	1977	4	17	4	30	0
10,196	1977	4	17	4	45	0
10,197	1977	4	17	5	0	0
10,198	1977	4	17	5	15	0
10,199	1977	4	17	5	30	0
10,200	1977	4	17	5	45	0
10,201	1977	4	17	6	0	0
10,202	1977	4	17	6	15	0
10,203	1977	4	17	6	30	0
10,204	1977	4	17	6	45	0
10,205	1977	4	17	7	0	0
10,206	1977	4	17	7	15	0
10,207	1977	4	17	7	30	0
10,208	1977	4	17	7	45	0
10,209	1977	4	17	8	0	0
10,210	1977	4	17	8	15	0
10,211	1977	4	17	8	30	0
10,212	1977	4	17	8	45	0
10,213	1977	4	17	9	0	0
10,214	1977	4	17	9	15	0
10,215	1977	4	17	9	30	0
10,216	1977	4	17	9	45	0
10,217	1977	4	17	10	0	0
10,218	1977	4	17	10	15	0
10,219	1977	4	17	10	30	0
10,220	1977	4	17	10	45	0
10,221	1977	4	17	11	0	0
10,222	1977	4	17	11	15	0
10,223	1977	4	17	11	30	0
10,224	1977	4	17	11	45	0
10,225	1977	4	17	12	0	0
10,226	1977	4	17	12	15	0
10,227	1977	4	17	12	30	0
10,228	1977	4	17	12	45	0
10,229	1977	4	17	13	0	0
10,230	1977	4	17	13	15	0
10,231	1977	4	17	13	30	0
10,232	1977	4	17	13	45	0
10,233	1977	4	17	14	0	0
10,234	1977	4	17	14	15	0
10,235	1977	4	17	14	30	0
10,236	1977	4	17	14	45	0
10,237	1977	4	17	15	0	0
10,238	1977	4	17	15	15	0
10,239	1977	4	17	15	30	0
10,240	1977	4	17	15	45	0
10,241	1977	4	17	16	0	0
10,242	1977	4	17	16	15	0
10,243	1977	4	17	16	30	0
10,244	1977	4	17	16	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
10,245	1977	4	17	17	0	0
10,246	1977	4	17	17	15	0
10,247	1977	4	17	17	30	0
10,248	1977	4	17	17	45	0
10,249	1977	4	17	18	0	0
10,250	1977	4	17	18	15	0
10,251	1977	4	17	18	30	0
10,252	1977	4	17	18	45	0
10,253	1977	4	17	19	0	0
10,254	1977	4	17	19	15	0
10,255	1977	4	17	19	30	0
10,256	1977	4	17	19	45	0
10,257	1977	4	17	20	0	0
10,258	1977	4	17	20	15	0
10,259	1977	4	17	20	30	0
10,260	1977	4	17	20	45	0
10,261	1977	4	17	21	0	0
10,262	1977	4	17	21	15	0
10,263	1977	4	17	21	30	0
10,264	1977	4	17	21	45	0
10,265	1977	4	17	22	0	0
10,266	1977	4	17	22	15	0
10,267	1977	4	17	22	30	0
10,268	1977	4	17	22	45	0
10,269	1977	4	17	23	0	0
10,270	1977	4	17	23	15	0
10,271	1977	4	17	23	30	0
10,272	1977	4	17	23	45	0
10,273	1977	4	18	0	0	0
10,274	1977	4	18	0	15	0
10,275	1977	4	18	0	30	0
10,276	1977	4	18	0	45	0
10,277	1977	4	18	1	0	0
10,278	1977	4	18	1	15	0
10,279	1977	4	18	1	30	0
10,280	1977	4	18	1	45	0
10,281	1977	4	18	2	0	0
10,282	1977	4	18	2	15	0
10,283	1977	4	18	2	30	0
10,284	1977	4	18	2	45	0
10,285	1977	4	18	3	0	0
10,286	1977	4	18	3	15	0
10,287	1977	4	18	3	30	0
10,288	1977	4	18	3	45	0
10,289	1977	4	18	4	0	0
10,290	1977	4	18	4	15	0
10,291	1977	4	18	4	30	0
10,292	1977	4	18	4	45	0
10,293	1977	4	18	5	0	0
10,294	1977	4	18	5	15	0
10,295	1977	4	18	5	30	0
10,296	1977	4	18	5	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
10,297	1977	4	18	6	0	0
10,298	1977	4	18	6	15	0
10,299	1977	4	18	6	30	0
10,300	1977	4	18	6	45	0
10,301	1977	4	18	7	0	0
10,302	1977	4	18	7	15	0
10,303	1977	4	18	7	30	0
10,304	1977	4	18	7	45	0
10,305	1977	4	18	8	0	0
10,306	1977	4	18	8	15	0
10,307	1977	4	18	8	30	0
10,308	1977	4	18	8	45	0
10,309	1977	4	18	9	0	0
10,310	1977	4	18	9	15	0
10,311	1977	4	18	9	30	0
10,312	1977	4	18	9	45	0
10,313	1977	4	18	10	0	0
10,314	1977	4	18	10	15	0
10,315	1977	4	18	10	30	0
10,316	1977	4	18	10	45	0
10,317	1977	4	18	11	0	0
10,318	1977	4	18	11	15	0
10,319	1977	4	18	11	30	0
10,320	1977	4	18	11	45	0
10,321	1977	4	18	12	0	0
10,322	1977	4	18	12	15	0
10,323	1977	4	18	12	30	0
10,324	1977	4	18	12	45	0
10,325	1977	4	18	13	0	0
10,326	1977	4	18	13	15	0
10,327	1977	4	18	13	30	0
10,328	1977	4	18	13	45	0
10,329	1977	4	18	14	0	0
10,330	1977	4	18	14	15	0
10,331	1977	4	18	14	30	0
10,332	1977	4	18	14	45	0
10,333	1977	4	18	15	0	0
10,334	1977	4	18	15	15	0
10,335	1977	4	18	15	30	0
10,336	1977	4	18	15	45	0
10,337	1977	4	18	16	0	0
10,338	1977	4	18	16	15	0
10,339	1977	4	18	16	30	0
10,340	1977	4	18	16	45	0
10,341	1977	4	18	17	0	0
10,342	1977	4	18	17	15	0
10,343	1977	4	18	17	30	0
10,344	1977	4	18	17	45	0
10,345	1977	4	18	18	0	0
10,346	1977	4	18	18	15	0
10,347	1977	4	18	18	30	0
10,348	1977	4	18	18	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
10,349	1977	4	18	19	0	0
10,350	1977	4	18	19	15	0
10,351	1977	4	18	19	30	0
10,352	1977	4	18	19	45	0
10,353	1977	4	18	20	0	0
10,354	1977	4	18	20	15	0
10,355	1977	4	18	20	30	0
10,356	1977	4	18	20	45	0
10,357	1977	4	18	21	0	0
10,358	1977	4	18	21	15	0
10,359	1977	4	18	21	30	0
10,360	1977	4	18	21	45	0
10,361	1977	4	18	22	0	0
10,362	1977	4	18	22	15	0
10,363	1977	4	18	22	30	0
10,364	1977	4	18	22	45	0
10,365	1977	4	18	23	0	0
10,366	1977	4	18	23	15	0
10,367	1977	4	18	23	30	0
10,368	1977	4	18	23	45	0
10,369	1977	4	19	0	0	0
10,370	1977	4	19	0	15	0
10,371	1977	4	19	0	30	0
10,372	1977	4	19	0	45	0
10,373	1977	4	19	1	0	0
10,374	1977	4	19	1	15	0
10,375	1977	4	19	1	30	0
10,376	1977	4	19	1	45	0
10,377	1977	4	19	2	0	0
10,378	1977	4	19	2	15	0
10,379	1977	4	19	2	30	0
10,380	1977	4	19	2	45	0
10,381	1977	4	19	3	0	0
10,382	1977	4	19	3	15	0
10,383	1977	4	19	3	30	0
10,384	1977	4	19	3	45	0
10,385	1977	4	19	4	0	0
10,386	1977	4	19	4	15	0
10,387	1977	4	19	4	30	0
10,388	1977	4	19	4	45	0
10,389	1977	4	19	5	0	0
10,390	1977	4	19	5	15	0
10,391	1977	4	19	5	30	0
10,392	1977	4	19	5	45	0
10,393	1977	4	19	6	0	0
10,394	1977	4	19	6	15	0
10,395	1977	4	19	6	30	0
10,396	1977	4	19	6	45	0
10,397	1977	4	19	7	0	0
10,398	1977	4	19	7	15	0
10,399	1977	4	19	7	30	0
10,400	1977	4	19	7	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
10,401	1977	4	19	8	0	0
10,402	1977	4	19	8	15	0
10,403	1977	4	19	8	30	0
10,404	1977	4	19	8	45	0
10,405	1977	4	19	9	0	0
10,406	1977	4	19	9	15	0
10,407	1977	4	19	9	30	0
10,408	1977	4	19	9	45	0
10,409	1977	4	19	10	0	0
10,410	1977	4	19	10	15	0
10,411	1977	4	19	10	30	0
10,412	1977	4	19	10	45	0
10,413	1977	4	19	11	0	0
10,414	1977	4	19	11	15	0
10,415	1977	4	19	11	30	0
10,416	1977	4	19	11	45	0
10,417	1977	4	19	12	0	0
10,418	1977	4	19	12	15	0
10,419	1977	4	19	12	30	0
10,420	1977	4	19	12	45	0
10,421	1977	4	19	13	0	0
10,422	1977	4	19	13	15	0
10,423	1977	4	19	13	30	0
10,424	1977	4	19	13	45	0
10,425	1977	4	19	14	0	0
10,426	1977	4	19	14	15	0
10,427	1977	4	19	14	30	0
10,428	1977	4	19	14	45	0
10,429	1977	4	19	15	0	0
10,430	1977	4	19	15	15	0
10,431	1977	4	19	15	30	0
10,432	1977	4	19	15	45	0
10,433	1977	4	19	16	0	0
10,434	1977	4	19	16	15	0
10,435	1977	4	19	16	30	0
10,436	1977	4	19	16	45	0
10,437	1977	4	19	17	0	0
10,438	1977	4	19	17	15	0
10,439	1977	4	19	17	30	0
10,440	1977	4	19	17	45	0
10,441	1977	4	19	18	0	0
10,442	1977	4	19	18	15	0
10,443	1977	4	19	18	30	0
10,444	1977	4	19	18	45	0
10,445	1977	4	19	19	0	0
10,446	1977	4	19	19	15	0
10,447	1977	4	19	19	30	0
10,448	1977	4	19	19	45	0
10,449	1977	4	19	20	0	0
10,450	1977	4	19	20	15	0
10,451	1977	4	19	20	30	0
10,452	1977	4	19	20	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
10,453	1977	4	19	21	0	0
10,454	1977	4	19	21	15	0
10,455	1977	4	19	21	30	0
10,456	1977	4	19	21	45	0
10,457	1977	4	19	22	0	0
10,458	1977	4	19	22	15	0
10,459	1977	4	19	22	30	0
10,460	1977	4	19	22	45	0
10,461	1977	4	19	23	0	0
10,462	1977	4	19	23	15	0
10,463	1977	4	19	23	30	0
10,464	1977	4	19	23	45	0
10,465	1977	4	20	0	0	0
10,466	1977	4	20	0	15	0
10,467	1977	4	20	0	30	0
10,468	1977	4	20	0	45	0
10,469	1977	4	20	1	0	0
10,470	1977	4	20	1	15	0
10,471	1977	4	20	1	30	0
10,472	1977	4	20	1	45	0
10,473	1977	4	20	2	0	0.0025
10,474	1977	4	20	2	15	0.0025
10,475	1977	4	20	2	30	0.0025
10,476	1977	4	20	2	45	0.0025
10,477	1977	4	20	3	0	0.005
10,478	1977	4	20	3	15	0.005
10,479	1977	4	20	3	30	0.005
10,480	1977	4	20	3	45	0.005
10,481	1977	4	20	4	0	0
10,482	1977	4	20	4	15	0
10,483	1977	4	20	4	30	0
10,484	1977	4	20	4	45	0
10,485	1977	4	20	5	0	0
10,486	1977	4	20	5	15	0
10,487	1977	4	20	5	30	0
10,488	1977	4	20	5	45	0
10,489	1977	4	20	6	0	0
10,490	1977	4	20	6	15	0
10,491	1977	4	20	6	30	0
10,492	1977	4	20	6	45	0
10,493	1977	4	20	7	0	0
10,494	1977	4	20	7	15	0
10,495	1977	4	20	7	30	0
10,496	1977	4	20	7	45	0
10,497	1977	4	20	8	0	0
10,498	1977	4	20	8	15	0
10,499	1977	4	20	8	30	0
10,500	1977	4	20	8	45	0
10,501	1977	4	20	9	0	0
10,502	1977	4	20	9	15	0
10,503	1977	4	20	9	30	0
10,504	1977	4	20	9	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
10,505	1977	4	20	10	0	0
10,506	1977	4	20	10	15	0
10,507	1977	4	20	10	30	0
10,508	1977	4	20	10	45	0
10,509	1977	4	20	11	0	0
10,510	1977	4	20	11	15	0
10,511	1977	4	20	11	30	0
10,512	1977	4	20	11	45	0
10,513	1977	4	20	12	0	0
10,514	1977	4	20	12	15	0
10,515	1977	4	20	12	30	0
10,516	1977	4	20	12	45	0
10,517	1977	4	20	13	0	0
10,518	1977	4	20	13	15	0
10,519	1977	4	20	13	30	0
10,520	1977	4	20	13	45	0
10,521	1977	4	20	14	0	0
10,522	1977	4	20	14	15	0
10,523	1977	4	20	14	30	0
10,524	1977	4	20	14	45	0
10,525	1977	4	20	15	0	0
10,526	1977	4	20	15	15	0
10,527	1977	4	20	15	30	0
10,528	1977	4	20	15	45	0
10,529	1977	4	20	16	0	0
10,530	1977	4	20	16	15	0
10,531	1977	4	20	16	30	0
10,532	1977	4	20	16	45	0
10,533	1977	4	20	17	0	0
10,534	1977	4	20	17	15	0
10,535	1977	4	20	17	30	0
10,536	1977	4	20	17	45	0
10,537	1977	4	20	18	0	0.0725
10,538	1977	4	20	18	15	0.0725
10,539	1977	4	20	18	30	0.0725
10,540	1977	4	20	18	45	0.0725
10,541	1977	4	20	19	0	0.0275
10,542	1977	4	20	19	15	0.0275
10,543	1977	4	20	19	30	0.0275
10,544	1977	4	20	19	45	0.0275
10,545	1977	4	20	20	0	0.0025
10,546	1977	4	20	20	15	0.0025
10,547	1977	4	20	20	30	0.0025
10,548	1977	4	20	20	45	0.0025
10,549	1977	4	20	21	0	0
10,550	1977	4	20	21	15	0
10,551	1977	4	20	21	30	0
10,552	1977	4	20	21	45	0
10,553	1977	4	20	22	0	0
10,554	1977	4	20	22	15	0
10,555	1977	4	20	22	30	0
10,556	1977	4	20	22	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
10,557	1977	4	20	23	0	0
10,558	1977	4	20	23	15	0
10,559	1977	4	20	23	30	0
10,560	1977	4	20	23	45	0
10,561	1977	4	21	0	0	0
10,562	1977	4	21	0	15	0
10,563	1977	4	21	0	30	0
10,564	1977	4	21	0	45	0
10,565	1977	4	21	1	0	0
10,566	1977	4	21	1	15	0
10,567	1977	4	21	1	30	0
10,568	1977	4	21	1	45	0
10,569	1977	4	21	2	0	0
10,570	1977	4	21	2	15	0
10,571	1977	4	21	2	30	0
10,572	1977	4	21	2	45	0
10,573	1977	4	21	3	0	0
10,574	1977	4	21	3	15	0
10,575	1977	4	21	3	30	0
10,576	1977	4	21	3	45	0
10,577	1977	4	21	4	0	0
10,578	1977	4	21	4	15	0
10,579	1977	4	21	4	30	0
10,580	1977	4	21	4	45	0
10,581	1977	4	21	5	0	0
10,582	1977	4	21	5	15	0
10,583	1977	4	21	5	30	0
10,584	1977	4	21	5	45	0
10,585	1977	4	21	6	0	0
10,586	1977	4	21	6	15	0
10,587	1977	4	21	6	30	0
10,588	1977	4	21	6	45	0
10,589	1977	4	21	7	0	0
10,590	1977	4	21	7	15	0
10,591	1977	4	21	7	30	0
10,592	1977	4	21	7	45	0
10,593	1977	4	21	8	0	0
10,594	1977	4	21	8	15	0
10,595	1977	4	21	8	30	0
10,596	1977	4	21	8	45	0
10,597	1977	4	21	9	0	0
10,598	1977	4	21	9	15	0
10,599	1977	4	21	9	30	0
10,600	1977	4	21	9	45	0
10,601	1977	4	21	10	0	0
10,602	1977	4	21	10	15	0
10,603	1977	4	21	10	30	0
10,604	1977	4	21	10	45	0
10,605	1977	4	21	11	0	0
10,606	1977	4	21	11	15	0
10,607	1977	4	21	11	30	0
10,608	1977	4	21	11	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
10,609	1977	4	21	12	0	0
10,610	1977	4	21	12	15	0
10,611	1977	4	21	12	30	0
10,612	1977	4	21	12	45	0
10,613	1977	4	21	13	0	0
10,614	1977	4	21	13	15	0
10,615	1977	4	21	13	30	0
10,616	1977	4	21	13	45	0
10,617	1977	4	21	14	0	0
10,618	1977	4	21	14	15	0
10,619	1977	4	21	14	30	0
10,620	1977	4	21	14	45	0
10,621	1977	4	21	15	0	0
10,622	1977	4	21	15	15	0
10,623	1977	4	21	15	30	0
10,624	1977	4	21	15	45	0
10,625	1977	4	21	16	0	0
10,626	1977	4	21	16	15	0
10,627	1977	4	21	16	30	0
10,628	1977	4	21	16	45	0
10,629	1977	4	21	17	0	0
10,630	1977	4	21	17	15	0
10,631	1977	4	21	17	30	0
10,632	1977	4	21	17	45	0
10,633	1977	4	21	18	0	0
10,634	1977	4	21	18	15	0
10,635	1977	4	21	18	30	0
10,636	1977	4	21	18	45	0
10,637	1977	4	21	19	0	0
10,638	1977	4	21	19	15	0
10,639	1977	4	21	19	30	0
10,640	1977	4	21	19	45	0
10,641	1977	4	21	20	0	0
10,642	1977	4	21	20	15	0
10,643	1977	4	21	20	30	0
10,644	1977	4	21	20	45	0
10,645	1977	4	21	21	0	0
10,646	1977	4	21	21	15	0
10,647	1977	4	21	21	30	0
10,648	1977	4	21	21	45	0
10,649	1977	4	21	22	0	0
10,650	1977	4	21	22	15	0
10,651	1977	4	21	22	30	0
10,652	1977	4	21	22	45	0
10,653	1977	4	21	23	0	0
10,654	1977	4	21	23	15	0
10,655	1977	4	21	23	30	0
10,656	1977	4	21	23	45	0
10,657	1977	4	22	0	0	0
10,658	1977	4	22	0	15	0
10,659	1977	4	22	0	30	0
10,660	1977	4	22	0	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
10,661	1977	4	22	1	0	0
10,662	1977	4	22	1	15	0
10,663	1977	4	22	1	30	0
10,664	1977	4	22	1	45	0
10,665	1977	4	22	2	0	0
10,666	1977	4	22	2	15	0
10,667	1977	4	22	2	30	0
10,668	1977	4	22	2	45	0
10,669	1977	4	22	3	0	0
10,670	1977	4	22	3	15	0
10,671	1977	4	22	3	30	0
10,672	1977	4	22	3	45	0
10,673	1977	4	22	4	0	0
10,674	1977	4	22	4	15	0
10,675	1977	4	22	4	30	0
10,676	1977	4	22	4	45	0
10,677	1977	4	22	5	0	0
10,678	1977	4	22	5	15	0
10,679	1977	4	22	5	30	0
10,680	1977	4	22	5	45	0
10,681	1977	4	22	6	0	0.0075
10,682	1977	4	22	6	15	0.0075
10,683	1977	4	22	6	30	0.0075
10,684	1977	4	22	6	45	0.0075
10,685	1977	4	22	7	0	0.0025
10,686	1977	4	22	7	15	0.0025
10,687	1977	4	22	7	30	0.0025
10,688	1977	4	22	7	45	0.0025
10,689	1977	4	22	8	0	0.0075
10,690	1977	4	22	8	15	0.0075
10,691	1977	4	22	8	30	0.0075
10,692	1977	4	22	8	45	0.0075
10,693	1977	4	22	9	0	0.005
10,694	1977	4	22	9	15	0.005
10,695	1977	4	22	9	30	0.005
10,696	1977	4	22	9	45	0.005
10,697	1977	4	22	10	0	0.0275
10,698	1977	4	22	10	15	0.0275
10,699	1977	4	22	10	30	0.0275
10,700	1977	4	22	10	45	0.0275
10,701	1977	4	22	11	0	0.03
10,702	1977	4	22	11	15	0.03
10,703	1977	4	22	11	30	0.03
10,704	1977	4	22	11	45	0.03
10,705	1977	4	22	12	0	0.005
10,706	1977	4	22	12	15	0.005
10,707	1977	4	22	12	30	0.005
10,708	1977	4	22	12	45	0.005
10,709	1977	4	22	13	0	0.0025
10,710	1977	4	22	13	15	0.0025
10,711	1977	4	22	13	30	0.0025
10,712	1977	4	22	13	45	0.0025

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
10,713	1977	4	22	14	0	0.0025
10,714	1977	4	22	14	15	0.0025
10,715	1977	4	22	14	30	0.0025
10,716	1977	4	22	14	45	0.0025
10,717	1977	4	22	15	0	0.005
10,718	1977	4	22	15	15	0.005
10,719	1977	4	22	15	30	0.005
10,720	1977	4	22	15	45	0.005
10,721	1977	4	22	16	0	0.0075
10,722	1977	4	22	16	15	0.0075
10,723	1977	4	22	16	30	0.0075
10,724	1977	4	22	16	45	0.0075
10,725	1977	4	22	17	0	0.01
10,726	1977	4	22	17	15	0.01
10,727	1977	4	22	17	30	0.01
10,728	1977	4	22	17	45	0.01
10,729	1977	4	22	18	0	0.0025
10,730	1977	4	22	18	15	0.0025
10,731	1977	4	22	18	30	0.0025
10,732	1977	4	22	18	45	0.0025
10,733	1977	4	22	19	0	0.0075
10,734	1977	4	22	19	15	0.0075
10,735	1977	4	22	19	30	0.0075
10,736	1977	4	22	19	45	0.0075
10,737	1977	4	22	20	0	0.005
10,738	1977	4	22	20	15	0.005
10,739	1977	4	22	20	30	0.005
10,740	1977	4	22	20	45	0.005
10,741	1977	4	22	21	0	0.035
10,742	1977	4	22	21	15	0.035
10,743	1977	4	22	21	30	0.035
10,744	1977	4	22	21	45	0.035
10,745	1977	4	22	22	0	0.005
10,746	1977	4	22	22	15	0.005
10,747	1977	4	22	22	30	0.005
10,748	1977	4	22	22	45	0.005
10,749	1977	4	22	23	0	0.0075
10,750	1977	4	22	23	15	0.0075
10,751	1977	4	22	23	30	0.0075
10,752	1977	4	22	23	45	0.0075
10,753	1977	4	23	0	0	0.0025
10,754	1977	4	23	0	15	0.0025
10,755	1977	4	23	0	30	0.0025
10,756	1977	4	23	0	45	0.0025
10,757	1977	4	23	1	0	0.0075
10,758	1977	4	23	1	15	0.0075
10,759	1977	4	23	1	30	0.0075
10,760	1977	4	23	1	45	0.0075
10,761	1977	4	23	2	0	0.005
10,762	1977	4	23	2	15	0.005
10,763	1977	4	23	2	30	0.005
10,764	1977	4	23	2	45	0.005

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
10,765	1977	4	23	3	0	0.0075
10,766	1977	4	23	3	15	0.0075
10,767	1977	4	23	3	30	0.0075
10,768	1977	4	23	3	45	0.0075
10,769	1977	4	23	4	0	0.0075
10,770	1977	4	23	4	15	0.0075
10,771	1977	4	23	4	30	0.0075
10,772	1977	4	23	4	45	0.0075
10,773	1977	4	23	5	0	0.0025
10,774	1977	4	23	5	15	0.0025
10,775	1977	4	23	5	30	0.0025
10,776	1977	4	23	5	45	0.0025
10,777	1977	4	23	6	0	0.005
10,778	1977	4	23	6	15	0.005
10,779	1977	4	23	6	30	0.005
10,780	1977	4	23	6	45	0.005
10,781	1977	4	23	7	0	0.0175
10,782	1977	4	23	7	15	0.0175
10,783	1977	4	23	7	30	0.0175
10,784	1977	4	23	7	45	0.0175
10,785	1977	4	23	8	0	0.005
10,786	1977	4	23	8	15	0.005
10,787	1977	4	23	8	30	0.005
10,788	1977	4	23	8	45	0.005
10,789	1977	4	23	9	0	0.0075
10,790	1977	4	23	9	15	0.0075
10,791	1977	4	23	9	30	0.0075
10,792	1977	4	23	9	45	0.0075
10,793	1977	4	23	10	0	0.005
10,794	1977	4	23	10	15	0.005
10,795	1977	4	23	10	30	0.005
10,796	1977	4	23	10	45	0.005
10,797	1977	4	23	11	0	0
10,798	1977	4	23	11	15	0
10,799	1977	4	23	11	30	0
10,800	1977	4	23	11	45	0
10,801	1977	4	23	12	0	0
10,802	1977	4	23	12	15	0
10,803	1977	4	23	12	30	0
10,804	1977	4	23	12	45	0
10,805	1977	4	23	13	0	0
10,806	1977	4	23	13	15	0
10,807	1977	4	23	13	30	0
10,808	1977	4	23	13	45	0
10,809	1977	4	23	14	0	0
10,810	1977	4	23	14	15	0
10,811	1977	4	23	14	30	0
10,812	1977	4	23	14	45	0
10,813	1977	4	23	15	0	0
10,814	1977	4	23	15	15	0
10,815	1977	4	23	15	30	0
10,816	1977	4	23	15	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
10,817	1977	4	23	16	0	0.005
10,818	1977	4	23	16	15	0.005
10,819	1977	4	23	16	30	0.005
10,820	1977	4	23	16	45	0.005
10,821	1977	4	23	17	0	0
10,822	1977	4	23	17	15	0
10,823	1977	4	23	17	30	0
10,824	1977	4	23	17	45	0
10,825	1977	4	23	18	0	0
10,826	1977	4	23	18	15	0
10,827	1977	4	23	18	30	0
10,828	1977	4	23	18	45	0
10,829	1977	4	23	19	0	0
10,830	1977	4	23	19	15	0
10,831	1977	4	23	19	30	0
10,832	1977	4	23	19	45	0
10,833	1977	4	23	20	0	0
10,834	1977	4	23	20	15	0
10,835	1977	4	23	20	30	0
10,836	1977	4	23	20	45	0
10,837	1977	4	23	21	0	0
10,838	1977	4	23	21	15	0
10,839	1977	4	23	21	30	0
10,840	1977	4	23	21	45	0
10,841	1977	4	23	22	0	0
10,842	1977	4	23	22	15	0
10,843	1977	4	23	22	30	0
10,844	1977	4	23	22	45	0
10,845	1977	4	23	23	0	0
10,846	1977	4	23	23	15	0
10,847	1977	4	23	23	30	0
10,848	1977	4	23	23	45	0
10,849	1977	4	24	0	0	0
10,850	1977	4	24	0	15	0
10,851	1977	4	24	0	30	0
10,852	1977	4	24	0	45	0
10,853	1977	4	24	1	0	0
10,854	1977	4	24	1	15	0
10,855	1977	4	24	1	30	0
10,856	1977	4	24	1	45	0
10,857	1977	4	24	2	0	0
10,858	1977	4	24	2	15	0
10,859	1977	4	24	2	30	0
10,860	1977	4	24	2	45	0
10,861	1977	4	24	3	0	0.0025
10,862	1977	4	24	3	15	0.0025
10,863	1977	4	24	3	30	0.0025
10,864	1977	4	24	3	45	0.0025
10,865	1977	4	24	4	0	0
10,866	1977	4	24	4	15	0
10,867	1977	4	24	4	30	0
10,868	1977	4	24	4	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
10,869	1977	4	24	5	0	0
10,870	1977	4	24	5	15	0
10,871	1977	4	24	5	30	0
10,872	1977	4	24	5	45	0
10,873	1977	4	24	6	0	0.0025
10,874	1977	4	24	6	15	0.0025
10,875	1977	4	24	6	30	0.0025
10,876	1977	4	24	6	45	0.0025
10,877	1977	4	24	7	0	0
10,878	1977	4	24	7	15	0
10,879	1977	4	24	7	30	0
10,880	1977	4	24	7	45	0
10,881	1977	4	24	8	0	0
10,882	1977	4	24	8	15	0
10,883	1977	4	24	8	30	0
10,884	1977	4	24	8	45	0
10,885	1977	4	24	9	0	0
10,886	1977	4	24	9	15	0
10,887	1977	4	24	9	30	0
10,888	1977	4	24	9	45	0
10,889	1977	4	24	10	0	0
10,890	1977	4	24	10	15	0
10,891	1977	4	24	10	30	0
10,892	1977	4	24	10	45	0
10,893	1977	4	24	11	0	0
10,894	1977	4	24	11	15	0
10,895	1977	4	24	11	30	0
10,896	1977	4	24	11	45	0
10,897	1977	4	24	12	0	0
10,898	1977	4	24	12	15	0
10,899	1977	4	24	12	30	0
10,900	1977	4	24	12	45	0
10,901	1977	4	24	13	0	0
10,902	1977	4	24	13	15	0
10,903	1977	4	24	13	30	0
10,904	1977	4	24	13	45	0
10,905	1977	4	24	14	0	0
10,906	1977	4	24	14	15	0
10,907	1977	4	24	14	30	0
10,908	1977	4	24	14	45	0
10,909	1977	4	24	15	0	0
10,910	1977	4	24	15	15	0
10,911	1977	4	24	15	30	0
10,912	1977	4	24	15	45	0
10,913	1977	4	24	16	0	0
10,914	1977	4	24	16	15	0
10,915	1977	4	24	16	30	0
10,916	1977	4	24	16	45	0
10,917	1977	4	24	17	0	0
10,918	1977	4	24	17	15	0
10,919	1977	4	24	17	30	0
10,920	1977	4	24	17	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
10,921	1977	4	24	18	0	0
10,922	1977	4	24	18	15	0
10,923	1977	4	24	18	30	0
10,924	1977	4	24	18	45	0
10,925	1977	4	24	19	0	0
10,926	1977	4	24	19	15	0
10,927	1977	4	24	19	30	0
10,928	1977	4	24	19	45	0
10,929	1977	4	24	20	0	0
10,930	1977	4	24	20	15	0
10,931	1977	4	24	20	30	0
10,932	1977	4	24	20	45	0
10,933	1977	4	24	21	0	0
10,934	1977	4	24	21	15	0
10,935	1977	4	24	21	30	0
10,936	1977	4	24	21	45	0
10,937	1977	4	24	22	0	0
10,938	1977	4	24	22	15	0
10,939	1977	4	24	22	30	0
10,940	1977	4	24	22	45	0
10,941	1977	4	24	23	0	0
10,942	1977	4	24	23	15	0
10,943	1977	4	24	23	30	0
10,944	1977	4	24	23	45	0
10,945	1977	4	25	0	0	0
10,946	1977	4	25	0	15	0
10,947	1977	4	25	0	30	0
10,948	1977	4	25	0	45	0
10,949	1977	4	25	1	0	0
10,950	1977	4	25	1	15	0
10,951	1977	4	25	1	30	0
10,952	1977	4	25	1	45	0
10,953	1977	4	25	2	0	0.0025
10,954	1977	4	25	2	15	0.0025
10,955	1977	4	25	2	30	0.0025
10,956	1977	4	25	2	45	0.0025
10,957	1977	4	25	3	0	0
10,958	1977	4	25	3	15	0
10,959	1977	4	25	3	30	0
10,960	1977	4	25	3	45	0
10,961	1977	4	25	4	0	0
10,962	1977	4	25	4	15	0
10,963	1977	4	25	4	30	0
10,964	1977	4	25	4	45	0
10,965	1977	4	25	5	0	0.025
10,966	1977	4	25	5	15	0.025
10,967	1977	4	25	5	30	0.025
10,968	1977	4	25	5	45	0.025
10,969	1977	4	25	6	0	0.0425
10,970	1977	4	25	6	15	0.0425
10,971	1977	4	25	6	30	0.0425
10,972	1977	4	25	6	45	0.0425

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
10,973	1977	4	25	7	0	0.03
10,974	1977	4	25	7	15	0.03
10,975	1977	4	25	7	30	0.03
10,976	1977	4	25	7	45	0.03
10,977	1977	4	25	8	0	0.01
10,978	1977	4	25	8	15	0.01
10,979	1977	4	25	8	30	0.01
10,980	1977	4	25	8	45	0.01
10,981	1977	4	25	9	0	0.0075
10,982	1977	4	25	9	15	0.0075
10,983	1977	4	25	9	30	0.0075
10,984	1977	4	25	9	45	0.0075
10,985	1977	4	25	10	0	0.0125
10,986	1977	4	25	10	15	0.0125
10,987	1977	4	25	10	30	0.0125
10,988	1977	4	25	10	45	0.0125
10,989	1977	4	25	11	0	0.0275
10,990	1977	4	25	11	15	0.0275
10,991	1977	4	25	11	30	0.0275
10,992	1977	4	25	11	45	0.0275
10,993	1977	4	25	12	0	0.0125
10,994	1977	4	25	12	15	0.0125
10,995	1977	4	25	12	30	0.0125
10,996	1977	4	25	12	45	0.0125
10,997	1977	4	25	13	0	0
10,998	1977	4	25	13	15	0
10,999	1977	4	25	13	30	0
11,000	1977	4	25	13	45	0
11,001	1977	4	25	14	0	0
11,002	1977	4	25	14	15	0
11,003	1977	4	25	14	30	0
11,004	1977	4	25	14	45	0
11,005	1977	4	25	15	0	0
11,006	1977	4	25	15	15	0
11,007	1977	4	25	15	30	0
11,008	1977	4	25	15	45	0
11,009	1977	4	25	16	0	0
11,010	1977	4	25	16	15	0
11,011	1977	4	25	16	30	0
11,012	1977	4	25	16	45	0
11,013	1977	4	25	17	0	0
11,014	1977	4	25	17	15	0
11,015	1977	4	25	17	30	0
11,016	1977	4	25	17	45	0
11,017	1977	4	25	18	0	0
11,018	1977	4	25	18	15	0
11,019	1977	4	25	18	30	0
11,020	1977	4	25	18	45	0
11,021	1977	4	25	19	0	0
11,022	1977	4	25	19	15	0
11,023	1977	4	25	19	30	0
11,024	1977	4	25	19	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
11,025	1977	4	25	20	0	0.005
11,026	1977	4	25	20	15	0.005
11,027	1977	4	25	20	30	0.005
11,028	1977	4	25	20	45	0.005
11,029	1977	4	25	21	0	0
11,030	1977	4	25	21	15	0
11,031	1977	4	25	21	30	0
11,032	1977	4	25	21	45	0
11,033	1977	4	25	22	0	0
11,034	1977	4	25	22	15	0
11,035	1977	4	25	22	30	0
11,036	1977	4	25	22	45	0
11,037	1977	4	25	23	0	0.005
11,038	1977	4	25	23	15	0.005
11,039	1977	4	25	23	30	0.005
11,040	1977	4	25	23	45	0.005
11,041	1977	4	26	0	0	0
11,042	1977	4	26	0	15	0
11,043	1977	4	26	0	30	0
11,044	1977	4	26	0	45	0
11,045	1977	4	26	1	0	0
11,046	1977	4	26	1	15	0
11,047	1977	4	26	1	30	0
11,048	1977	4	26	1	45	0
11,049	1977	4	26	2	0	0
11,050	1977	4	26	2	15	0
11,051	1977	4	26	2	30	0
11,052	1977	4	26	2	45	0
11,053	1977	4	26	3	0	0
11,054	1977	4	26	3	15	0
11,055	1977	4	26	3	30	0
11,056	1977	4	26	3	45	0
11,057	1977	4	26	4	0	0
11,058	1977	4	26	4	15	0
11,059	1977	4	26	4	30	0
11,060	1977	4	26	4	45	0
11,061	1977	4	26	5	0	0
11,062	1977	4	26	5	15	0
11,063	1977	4	26	5	30	0
11,064	1977	4	26	5	45	0
11,065	1977	4	26	6	0	0
11,066	1977	4	26	6	15	0
11,067	1977	4	26	6	30	0
11,068	1977	4	26	6	45	0
11,069	1977	4	26	7	0	0.0025
11,070	1977	4	26	7	15	0.0025
11,071	1977	4	26	7	30	0.0025
11,072	1977	4	26	7	45	0.0025
11,073	1977	4	26	8	0	0.0025
11,074	1977	4	26	8	15	0.0025
11,075	1977	4	26	8	30	0.0025
11,076	1977	4	26	8	45	0.0025

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
11,077	1977	4	26	9	0	0.0025
11,078	1977	4	26	9	15	0.0025
11,079	1977	4	26	9	30	0.0025
11,080	1977	4	26	9	45	0.0025
11,081	1977	4	26	10	0	0
11,082	1977	4	26	10	15	0
11,083	1977	4	26	10	30	0
11,084	1977	4	26	10	45	0
11,085	1977	4	26	11	0	0
11,086	1977	4	26	11	15	0
11,087	1977	4	26	11	30	0
11,088	1977	4	26	11	45	0
11,089	1977	4	26	12	0	0
11,090	1977	4	26	12	15	0
11,091	1977	4	26	12	30	0
11,092	1977	4	26	12	45	0
11,093	1977	4	26	13	0	0
11,094	1977	4	26	13	15	0
11,095	1977	4	26	13	30	0
11,096	1977	4	26	13	45	0
11,097	1977	4	26	14	0	0
11,098	1977	4	26	14	15	0
11,099	1977	4	26	14	30	0
11,100	1977	4	26	14	45	0
11,101	1977	4	26	15	0	0
11,102	1977	4	26	15	15	0
11,103	1977	4	26	15	30	0
11,104	1977	4	26	15	45	0
11,105	1977	4	26	16	0	0
11,106	1977	4	26	16	15	0
11,107	1977	4	26	16	30	0
11,108	1977	4	26	16	45	0
11,109	1977	4	26	17	0	0
11,110	1977	4	26	17	15	0
11,111	1977	4	26	17	30	0
11,112	1977	4	26	17	45	0
11,113	1977	4	26	18	0	0
11,114	1977	4	26	18	15	0
11,115	1977	4	26	18	30	0
11,116	1977	4	26	18	45	0
11,117	1977	4	26	19	0	0
11,118	1977	4	26	19	15	0
11,119	1977	4	26	19	30	0
11,120	1977	4	26	19	45	0
11,121	1977	4	26	20	0	0
11,122	1977	4	26	20	15	0
11,123	1977	4	26	20	30	0
11,124	1977	4	26	20	45	0
11,125	1977	4	26	21	0	0
11,126	1977	4	26	21	15	0
11,127	1977	4	26	21	30	0
11,128	1977	4	26	21	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
11,129	1977	4	26	22	0	0
11,130	1977	4	26	22	15	0
11,131	1977	4	26	22	30	0
11,132	1977	4	26	22	45	0
11,133	1977	4	26	23	0	0
11,134	1977	4	26	23	15	0
11,135	1977	4	26	23	30	0
11,136	1977	4	26	23	45	0
11,137	1977	4	27	0	0	0
11,138	1977	4	27	0	15	0
11,139	1977	4	27	0	30	0
11,140	1977	4	27	0	45	0
11,141	1977	4	27	1	0	0
11,142	1977	4	27	1	15	0
11,143	1977	4	27	1	30	0
11,144	1977	4	27	1	45	0
11,145	1977	4	27	2	0	0
11,146	1977	4	27	2	15	0
11,147	1977	4	27	2	30	0
11,148	1977	4	27	2	45	0
11,149	1977	4	27	3	0	0
11,150	1977	4	27	3	15	0
11,151	1977	4	27	3	30	0
11,152	1977	4	27	3	45	0
11,153	1977	4	27	4	0	0
11,154	1977	4	27	4	15	0
11,155	1977	4	27	4	30	0
11,156	1977	4	27	4	45	0
11,157	1977	4	27	5	0	0
11,158	1977	4	27	5	15	0
11,159	1977	4	27	5	30	0
11,160	1977	4	27	5	45	0
11,161	1977	4	27	6	0	0
11,162	1977	4	27	6	15	0
11,163	1977	4	27	6	30	0
11,164	1977	4	27	6	45	0
11,165	1977	4	27	7	0	0
11,166	1977	4	27	7	15	0
11,167	1977	4	27	7	30	0
11,168	1977	4	27	7	45	0
11,169	1977	4	27	8	0	0
11,170	1977	4	27	8	15	0
11,171	1977	4	27	8	30	0
11,172	1977	4	27	8	45	0
11,173	1977	4	27	9	0	0
11,174	1977	4	27	9	15	0
11,175	1977	4	27	9	30	0
11,176	1977	4	27	9	45	0
11,177	1977	4	27	10	0	0
11,178	1977	4	27	10	15	0
11,179	1977	4	27	10	30	0
11,180	1977	4	27	10	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
11,181	1977	4	27	11	0	0
11,182	1977	4	27	11	15	0
11,183	1977	4	27	11	30	0
11,184	1977	4	27	11	45	0
11,185	1977	4	27	12	0	0
11,186	1977	4	27	12	15	0
11,187	1977	4	27	12	30	0
11,188	1977	4	27	12	45	0
11,189	1977	4	27	13	0	0
11,190	1977	4	27	13	15	0
11,191	1977	4	27	13	30	0
11,192	1977	4	27	13	45	0
11,193	1977	4	27	14	0	0
11,194	1977	4	27	14	15	0
11,195	1977	4	27	14	30	0
11,196	1977	4	27	14	45	0
11,197	1977	4	27	15	0	0
11,198	1977	4	27	15	15	0
11,199	1977	4	27	15	30	0
11,200	1977	4	27	15	45	0
11,201	1977	4	27	16	0	0
11,202	1977	4	27	16	15	0
11,203	1977	4	27	16	30	0
11,204	1977	4	27	16	45	0
11,205	1977	4	27	17	0	0
11,206	1977	4	27	17	15	0
11,207	1977	4	27	17	30	0
11,208	1977	4	27	17	45	0
11,209	1977	4	27	18	0	0
11,210	1977	4	27	18	15	0
11,211	1977	4	27	18	30	0
11,212	1977	4	27	18	45	0
11,213	1977	4	27	19	0	0
11,214	1977	4	27	19	15	0
11,215	1977	4	27	19	30	0
11,216	1977	4	27	19	45	0
11,217	1977	4	27	20	0	0
11,218	1977	4	27	20	15	0
11,219	1977	4	27	20	30	0
11,220	1977	4	27	20	45	0
11,221	1977	4	27	21	0	0
11,222	1977	4	27	21	15	0
11,223	1977	4	27	21	30	0
11,224	1977	4	27	21	45	0
11,225	1977	4	27	22	0	0
11,226	1977	4	27	22	15	0
11,227	1977	4	27	22	30	0
11,228	1977	4	27	22	45	0
11,229	1977	4	27	23	0	0
11,230	1977	4	27	23	15	0
11,231	1977	4	27	23	30	0
11,232	1977	4	27	23	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
11,233	1977	4	28	0	0	0
11,234	1977	4	28	0	15	0
11,235	1977	4	28	0	30	0
11,236	1977	4	28	0	45	0
11,237	1977	4	28	1	0	0
11,238	1977	4	28	1	15	0
11,239	1977	4	28	1	30	0
11,240	1977	4	28	1	45	0
11,241	1977	4	28	2	0	0
11,242	1977	4	28	2	15	0
11,243	1977	4	28	2	30	0
11,244	1977	4	28	2	45	0
11,245	1977	4	28	3	0	0
11,246	1977	4	28	3	15	0
11,247	1977	4	28	3	30	0
11,248	1977	4	28	3	45	0
11,249	1977	4	28	4	0	0
11,250	1977	4	28	4	15	0
11,251	1977	4	28	4	30	0
11,252	1977	4	28	4	45	0
11,253	1977	4	28	5	0	0
11,254	1977	4	28	5	15	0
11,255	1977	4	28	5	30	0
11,256	1977	4	28	5	45	0
11,257	1977	4	28	6	0	0
11,258	1977	4	28	6	15	0
11,259	1977	4	28	6	30	0
11,260	1977	4	28	6	45	0
11,261	1977	4	28	7	0	0
11,262	1977	4	28	7	15	0
11,263	1977	4	28	7	30	0
11,264	1977	4	28	7	45	0
11,265	1977	4	28	8	0	0.0025
11,266	1977	4	28	8	15	0.0025
11,267	1977	4	28	8	30	0.0025
11,268	1977	4	28	8	45	0.0025
11,269	1977	4	28	9	0	0
11,270	1977	4	28	9	15	0
11,271	1977	4	28	9	30	0
11,272	1977	4	28	9	45	0
11,273	1977	4	28	10	0	0
11,274	1977	4	28	10	15	0
11,275	1977	4	28	10	30	0
11,276	1977	4	28	10	45	0
11,277	1977	4	28	11	0	0
11,278	1977	4	28	11	15	0
11,279	1977	4	28	11	30	0
11,280	1977	4	28	11	45	0
11,281	1977	4	28	12	0	0
11,282	1977	4	28	12	15	0
11,283	1977	4	28	12	30	0
11,284	1977	4	28	12	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
11,285	1977	4	28	13	0	0
11,286	1977	4	28	13	15	0
11,287	1977	4	28	13	30	0
11,288	1977	4	28	13	45	0
11,289	1977	4	28	14	0	0
11,290	1977	4	28	14	15	0
11,291	1977	4	28	14	30	0
11,292	1977	4	28	14	45	0
11,293	1977	4	28	15	0	0
11,294	1977	4	28	15	15	0
11,295	1977	4	28	15	30	0
11,296	1977	4	28	15	45	0
11,297	1977	4	28	16	0	0
11,298	1977	4	28	16	15	0
11,299	1977	4	28	16	30	0
11,300	1977	4	28	16	45	0
11,301	1977	4	28	17	0	0
11,302	1977	4	28	17	15	0
11,303	1977	4	28	17	30	0
11,304	1977	4	28	17	45	0
11,305	1977	4	28	18	0	0
11,306	1977	4	28	18	15	0
11,307	1977	4	28	18	30	0
11,308	1977	4	28	18	45	0
11,309	1977	4	28	19	0	0
11,310	1977	4	28	19	15	0
11,311	1977	4	28	19	30	0
11,312	1977	4	28	19	45	0
11,313	1977	4	28	20	0	0
11,314	1977	4	28	20	15	0
11,315	1977	4	28	20	30	0
11,316	1977	4	28	20	45	0
11,317	1977	4	28	21	0	0
11,318	1977	4	28	21	15	0
11,319	1977	4	28	21	30	0
11,320	1977	4	28	21	45	0
11,321	1977	4	28	22	0	0
11,322	1977	4	28	22	15	0
11,323	1977	4	28	22	30	0
11,324	1977	4	28	22	45	0
11,325	1977	4	28	23	0	0
11,326	1977	4	28	23	15	0
11,327	1977	4	28	23	30	0
11,328	1977	4	28	23	45	0
11,329	1977	4	29	0	0	0
11,330	1977	4	29	0	15	0
11,331	1977	4	29	0	30	0
11,332	1977	4	29	0	45	0
11,333	1977	4	29	1	0	0
11,334	1977	4	29	1	15	0
11,335	1977	4	29	1	30	0
11,336	1977	4	29	1	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
11,337	1977	4	29	2	0	0
11,338	1977	4	29	2	15	0
11,339	1977	4	29	2	30	0
11,340	1977	4	29	2	45	0
11,341	1977	4	29	3	0	0
11,342	1977	4	29	3	15	0
11,343	1977	4	29	3	30	0
11,344	1977	4	29	3	45	0
11,345	1977	4	29	4	0	0
11,346	1977	4	29	4	15	0
11,347	1977	4	29	4	30	0
11,348	1977	4	29	4	45	0
11,349	1977	4	29	5	0	0
11,350	1977	4	29	5	15	0
11,351	1977	4	29	5	30	0
11,352	1977	4	29	5	45	0
11,353	1977	4	29	6	0	0
11,354	1977	4	29	6	15	0
11,355	1977	4	29	6	30	0
11,356	1977	4	29	6	45	0
11,357	1977	4	29	7	0	0
11,358	1977	4	29	7	15	0
11,359	1977	4	29	7	30	0
11,360	1977	4	29	7	45	0
11,361	1977	4	29	8	0	0
11,362	1977	4	29	8	15	0
11,363	1977	4	29	8	30	0
11,364	1977	4	29	8	45	0
11,365	1977	4	29	9	0	0
11,366	1977	4	29	9	15	0
11,367	1977	4	29	9	30	0
11,368	1977	4	29	9	45	0
11,369	1977	4	29	10	0	0
11,370	1977	4	29	10	15	0
11,371	1977	4	29	10	30	0
11,372	1977	4	29	10	45	0
11,373	1977	4	29	11	0	0
11,374	1977	4	29	11	15	0
11,375	1977	4	29	11	30	0
11,376	1977	4	29	11	45	0
11,377	1977	4	29	12	0	0
11,378	1977	4	29	12	15	0
11,379	1977	4	29	12	30	0
11,380	1977	4	29	12	45	0
11,381	1977	4	29	13	0	0
11,382	1977	4	29	13	15	0
11,383	1977	4	29	13	30	0
11,384	1977	4	29	13	45	0
11,385	1977	4	29	14	0	0
11,386	1977	4	29	14	15	0
11,387	1977	4	29	14	30	0
11,388	1977	4	29	14	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
11,389	1977	4	29	15	0	0
11,390	1977	4	29	15	15	0
11,391	1977	4	29	15	30	0
11,392	1977	4	29	15	45	0
11,393	1977	4	29	16	0	0
11,394	1977	4	29	16	15	0
11,395	1977	4	29	16	30	0
11,396	1977	4	29	16	45	0
11,397	1977	4	29	17	0	0
11,398	1977	4	29	17	15	0
11,399	1977	4	29	17	30	0
11,400	1977	4	29	17	45	0
11,401	1977	4	29	18	0	0
11,402	1977	4	29	18	15	0
11,403	1977	4	29	18	30	0
11,404	1977	4	29	18	45	0
11,405	1977	4	29	19	0	0
11,406	1977	4	29	19	15	0
11,407	1977	4	29	19	30	0
11,408	1977	4	29	19	45	0
11,409	1977	4	29	20	0	0
11,410	1977	4	29	20	15	0
11,411	1977	4	29	20	30	0
11,412	1977	4	29	20	45	0
11,413	1977	4	29	21	0	0
11,414	1977	4	29	21	15	0
11,415	1977	4	29	21	30	0
11,416	1977	4	29	21	45	0
11,417	1977	4	29	22	0	0
11,418	1977	4	29	22	15	0
11,419	1977	4	29	22	30	0
11,420	1977	4	29	22	45	0
11,421	1977	4	29	23	0	0
11,422	1977	4	29	23	15	0
11,423	1977	4	29	23	30	0
11,424	1977	4	29	23	45	0
11,425	1977	4	30	0	0	0
11,426	1977	4	30	0	15	0
11,427	1977	4	30	0	30	0
11,428	1977	4	30	0	45	0
11,429	1977	4	30	1	0	0
11,430	1977	4	30	1	15	0
11,431	1977	4	30	1	30	0
11,432	1977	4	30	1	45	0
11,433	1977	4	30	2	0	0
11,434	1977	4	30	2	15	0
11,435	1977	4	30	2	30	0
11,436	1977	4	30	2	45	0
11,437	1977	4	30	3	0	0
11,438	1977	4	30	3	15	0
11,439	1977	4	30	3	30	0
11,440	1977	4	30	3	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
11,441	1977	4	30	4	0	0
11,442	1977	4	30	4	15	0
11,443	1977	4	30	4	30	0
11,444	1977	4	30	4	45	0
11,445	1977	4	30	5	0	0
11,446	1977	4	30	5	15	0
11,447	1977	4	30	5	30	0
11,448	1977	4	30	5	45	0
11,449	1977	4	30	6	0	0
11,450	1977	4	30	6	15	0
11,451	1977	4	30	6	30	0
11,452	1977	4	30	6	45	0
11,453	1977	4	30	7	0	0
11,454	1977	4	30	7	15	0
11,455	1977	4	30	7	30	0
11,456	1977	4	30	7	45	0
11,457	1977	4	30	8	0	0
11,458	1977	4	30	8	15	0
11,459	1977	4	30	8	30	0
11,460	1977	4	30	8	45	0
11,461	1977	4	30	9	0	0
11,462	1977	4	30	9	15	0
11,463	1977	4	30	9	30	0
11,464	1977	4	30	9	45	0
11,465	1977	4	30	10	0	0
11,466	1977	4	30	10	15	0
11,467	1977	4	30	10	30	0
11,468	1977	4	30	10	45	0
11,469	1977	4	30	11	0	0
11,470	1977	4	30	11	15	0
11,471	1977	4	30	11	30	0
11,472	1977	4	30	11	45	0
11,473	1977	4	30	12	0	0
11,474	1977	4	30	12	15	0
11,475	1977	4	30	12	30	0
11,476	1977	4	30	12	45	0
11,477	1977	4	30	13	0	0
11,478	1977	4	30	13	15	0
11,479	1977	4	30	13	30	0
11,480	1977	4	30	13	45	0
11,481	1977	4	30	14	0	0
11,482	1977	4	30	14	15	0
11,483	1977	4	30	14	30	0
11,484	1977	4	30	14	45	0
11,485	1977	4	30	15	0	0
11,486	1977	4	30	15	15	0
11,487	1977	4	30	15	30	0
11,488	1977	4	30	15	45	0
11,489	1977	4	30	16	0	0
11,490	1977	4	30	16	15	0
11,491	1977	4	30	16	30	0
11,492	1977	4	30	16	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
11,493	1977	4	30	17	0	0
11,494	1977	4	30	17	15	0
11,495	1977	4	30	17	30	0
11,496	1977	4	30	17	45	0
11,497	1977	4	30	18	0	0
11,498	1977	4	30	18	15	0
11,499	1977	4	30	18	30	0
11,500	1977	4	30	18	45	0
11,501	1977	4	30	19	0	0
11,502	1977	4	30	19	15	0
11,503	1977	4	30	19	30	0
11,504	1977	4	30	19	45	0
11,505	1977	4	30	20	0	0
11,506	1977	4	30	20	15	0
11,507	1977	4	30	20	30	0
11,508	1977	4	30	20	45	0
11,509	1977	4	30	21	0	0
11,510	1977	4	30	21	15	0
11,511	1977	4	30	21	30	0
11,512	1977	4	30	21	45	0
11,513	1977	4	30	22	0	0
11,514	1977	4	30	22	15	0
11,515	1977	4	30	22	30	0
11,516	1977	4	30	22	45	0
11,517	1977	4	30	23	0	0
11,518	1977	4	30	23	15	0
11,519	1977	4	30	23	30	0
11,520	1977	4	30	23	45	0
11,521	1977	5	1	0	0	0
11,522	1977	5	1	0	15	0
11,523	1977	5	1	0	30	0
11,524	1977	5	1	0	45	0
11,525	1977	5	1	1	0	0
11,526	1977	5	1	1	15	0
11,527	1977	5	1	1	30	0
11,528	1977	5	1	1	45	0
11,529	1977	5	1	2	0	0
11,530	1977	5	1	2	15	0
11,531	1977	5	1	2	30	0
11,532	1977	5	1	2	45	0
11,533	1977	5	1	3	0	0
11,534	1977	5	1	3	15	0
11,535	1977	5	1	3	30	0
11,536	1977	5	1	3	45	0
11,537	1977	5	1	4	0	0
11,538	1977	5	1	4	15	0
11,539	1977	5	1	4	30	0
11,540	1977	5	1	4	45	0
11,541	1977	5	1	5	0	0
11,542	1977	5	1	5	15	0
11,543	1977	5	1	5	30	0
11,544	1977	5	1	5	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
11,545	1977	5	1	6	0	0
11,546	1977	5	1	6	15	0
11,547	1977	5	1	6	30	0
11,548	1977	5	1	6	45	0
11,549	1977	5	1	7	0	0
11,550	1977	5	1	7	15	0
11,551	1977	5	1	7	30	0
11,552	1977	5	1	7	45	0
11,553	1977	5	1	8	0	0
11,554	1977	5	1	8	15	0
11,555	1977	5	1	8	30	0
11,556	1977	5	1	8	45	0
11,557	1977	5	1	9	0	0
11,558	1977	5	1	9	15	0
11,559	1977	5	1	9	30	0
11,560	1977	5	1	9	45	0
11,561	1977	5	1	10	0	0
11,562	1977	5	1	10	15	0
11,563	1977	5	1	10	30	0
11,564	1977	5	1	10	45	0
11,565	1977	5	1	11	0	0
11,566	1977	5	1	11	15	0
11,567	1977	5	1	11	30	0
11,568	1977	5	1	11	45	0
11,569	1977	5	1	12	0	0
11,570	1977	5	1	12	15	0
11,571	1977	5	1	12	30	0
11,572	1977	5	1	12	45	0
11,573	1977	5	1	13	0	0
11,574	1977	5	1	13	15	0
11,575	1977	5	1	13	30	0
11,576	1977	5	1	13	45	0
11,577	1977	5	1	14	0	0
11,578	1977	5	1	14	15	0
11,579	1977	5	1	14	30	0
11,580	1977	5	1	14	45	0
11,581	1977	5	1	15	0	0
11,582	1977	5	1	15	15	0
11,583	1977	5	1	15	30	0
11,584	1977	5	1	15	45	0
11,585	1977	5	1	16	0	0
11,586	1977	5	1	16	15	0
11,587	1977	5	1	16	30	0
11,588	1977	5	1	16	45	0
11,589	1977	5	1	17	0	0
11,590	1977	5	1	17	15	0
11,591	1977	5	1	17	30	0
11,592	1977	5	1	17	45	0
11,593	1977	5	1	18	0	0
11,594	1977	5	1	18	15	0
11,595	1977	5	1	18	30	0
11,596	1977	5	1	18	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
11,597	1977	5	1	19	0	0
11,598	1977	5	1	19	15	0
11,599	1977	5	1	19	30	0
11,600	1977	5	1	19	45	0
11,601	1977	5	1	20	0	0
11,602	1977	5	1	20	15	0
11,603	1977	5	1	20	30	0
11,604	1977	5	1	20	45	0
11,605	1977	5	1	21	0	0
11,606	1977	5	1	21	15	0
11,607	1977	5	1	21	30	0
11,608	1977	5	1	21	45	0
11,609	1977	5	1	22	0	0
11,610	1977	5	1	22	15	0
11,611	1977	5	1	22	30	0
11,612	1977	5	1	22	45	0
11,613	1977	5	1	23	0	0
11,614	1977	5	1	23	15	0
11,615	1977	5	1	23	30	0
11,616	1977	5	1	23	45	0
11,617	1977	5	2	0	0	0
11,618	1977	5	2	0	15	0
11,619	1977	5	2	0	30	0
11,620	1977	5	2	0	45	0
11,621	1977	5	2	1	0	0
11,622	1977	5	2	1	15	0
11,623	1977	5	2	1	30	0
11,624	1977	5	2	1	45	0
11,625	1977	5	2	2	0	0
11,626	1977	5	2	2	15	0
11,627	1977	5	2	2	30	0
11,628	1977	5	2	2	45	0
11,629	1977	5	2	3	0	0
11,630	1977	5	2	3	15	0
11,631	1977	5	2	3	30	0
11,632	1977	5	2	3	45	0
11,633	1977	5	2	4	0	0
11,634	1977	5	2	4	15	0
11,635	1977	5	2	4	30	0
11,636	1977	5	2	4	45	0
11,637	1977	5	2	5	0	0.01
11,638	1977	5	2	5	15	0.01
11,639	1977	5	2	5	30	0.01
11,640	1977	5	2	5	45	0.01
11,641	1977	5	2	6	0	0.025
11,642	1977	5	2	6	15	0.025
11,643	1977	5	2	6	30	0.025
11,644	1977	5	2	6	45	0.025
11,645	1977	5	2	7	0	0.0275
11,646	1977	5	2	7	15	0.0275
11,647	1977	5	2	7	30	0.0275
11,648	1977	5	2	7	45	0.0275

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
11,649	1977	5	2	8	0	0.01
11,650	1977	5	2	8	15	0.01
11,651	1977	5	2	8	30	0.01
11,652	1977	5	2	8	45	0.01
11,653	1977	5	2	9	0	0.0025
11,654	1977	5	2	9	15	0.0025
11,655	1977	5	2	9	30	0.0025
11,656	1977	5	2	9	45	0.0025
11,657	1977	5	2	10	0	0
11,658	1977	5	2	10	15	0
11,659	1977	5	2	10	30	0
11,660	1977	5	2	10	45	0
11,661	1977	5	2	11	0	0.0025
11,662	1977	5	2	11	15	0.0025
11,663	1977	5	2	11	30	0.0025
11,664	1977	5	2	11	45	0.0025
11,665	1977	5	2	12	0	0.005
11,666	1977	5	2	12	15	0.005
11,667	1977	5	2	12	30	0.005
11,668	1977	5	2	12	45	0.005
11,669	1977	5	2	13	0	0.005
11,670	1977	5	2	13	15	0.005
11,671	1977	5	2	13	30	0.005
11,672	1977	5	2	13	45	0.005
11,673	1977	5	2	14	0	0.0025
11,674	1977	5	2	14	15	0.0025
11,675	1977	5	2	14	30	0.0025
11,676	1977	5	2	14	45	0.0025
11,677	1977	5	2	15	0	0
11,678	1977	5	2	15	15	0
11,679	1977	5	2	15	30	0
11,680	1977	5	2	15	45	0
11,681	1977	5	2	16	0	0.005
11,682	1977	5	2	16	15	0.005
11,683	1977	5	2	16	30	0.005
11,684	1977	5	2	16	45	0.005
11,685	1977	5	2	17	0	0
11,686	1977	5	2	17	15	0
11,687	1977	5	2	17	30	0
11,688	1977	5	2	17	45	0
11,689	1977	5	2	18	0	0
11,690	1977	5	2	18	15	0
11,691	1977	5	2	18	30	0
11,692	1977	5	2	18	45	0
11,693	1977	5	2	19	0	0.005
11,694	1977	5	2	19	15	0.005
11,695	1977	5	2	19	30	0.005
11,696	1977	5	2	19	45	0.005
11,697	1977	5	2	20	0	0
11,698	1977	5	2	20	15	0
11,699	1977	5	2	20	30	0
11,700	1977	5	2	20	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
11,701	1977	5	2	21	0	0
11,702	1977	5	2	21	15	0
11,703	1977	5	2	21	30	0
11,704	1977	5	2	21	45	0
11,705	1977	5	2	22	0	0
11,706	1977	5	2	22	15	0
11,707	1977	5	2	22	30	0
11,708	1977	5	2	22	45	0
11,709	1977	5	2	23	0	0
11,710	1977	5	2	23	15	0
11,711	1977	5	2	23	30	0
11,712	1977	5	2	23	45	0
11,713	1977	5	3	0	0	0
11,714	1977	5	3	0	15	0
11,715	1977	5	3	0	30	0
11,716	1977	5	3	0	45	0
11,717	1977	5	3	1	0	0
11,718	1977	5	3	1	15	0
11,719	1977	5	3	1	30	0
11,720	1977	5	3	1	45	0
11,721	1977	5	3	2	0	0
11,722	1977	5	3	2	15	0
11,723	1977	5	3	2	30	0
11,724	1977	5	3	2	45	0
11,725	1977	5	3	3	0	0
11,726	1977	5	3	3	15	0
11,727	1977	5	3	3	30	0
11,728	1977	5	3	3	45	0
11,729	1977	5	3	4	0	0
11,730	1977	5	3	4	15	0
11,731	1977	5	3	4	30	0
11,732	1977	5	3	4	45	0
11,733	1977	5	3	5	0	0
11,734	1977	5	3	5	15	0
11,735	1977	5	3	5	30	0
11,736	1977	5	3	5	45	0
11,737	1977	5	3	6	0	0
11,738	1977	5	3	6	15	0
11,739	1977	5	3	6	30	0
11,740	1977	5	3	6	45	0
11,741	1977	5	3	7	0	0
11,742	1977	5	3	7	15	0
11,743	1977	5	3	7	30	0
11,744	1977	5	3	7	45	0
11,745	1977	5	3	8	0	0
11,746	1977	5	3	8	15	0
11,747	1977	5	3	8	30	0
11,748	1977	5	3	8	45	0
11,749	1977	5	3	9	0	0
11,750	1977	5	3	9	15	0
11,751	1977	5	3	9	30	0
11,752	1977	5	3	9	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
11,753	1977	5	3	10	0	0
11,754	1977	5	3	10	15	0
11,755	1977	5	3	10	30	0
11,756	1977	5	3	10	45	0
11,757	1977	5	3	11	0	0
11,758	1977	5	3	11	15	0
11,759	1977	5	3	11	30	0
11,760	1977	5	3	11	45	0
11,761	1977	5	3	12	0	0
11,762	1977	5	3	12	15	0
11,763	1977	5	3	12	30	0
11,764	1977	5	3	12	45	0
11,765	1977	5	3	13	0	0
11,766	1977	5	3	13	15	0
11,767	1977	5	3	13	30	0
11,768	1977	5	3	13	45	0
11,769	1977	5	3	14	0	0
11,770	1977	5	3	14	15	0
11,771	1977	5	3	14	30	0
11,772	1977	5	3	14	45	0
11,773	1977	5	3	15	0	0
11,774	1977	5	3	15	15	0
11,775	1977	5	3	15	30	0
11,776	1977	5	3	15	45	0
11,777	1977	5	3	16	0	0
11,778	1977	5	3	16	15	0
11,779	1977	5	3	16	30	0
11,780	1977	5	3	16	45	0
11,781	1977	5	3	17	0	0
11,782	1977	5	3	17	15	0
11,783	1977	5	3	17	30	0
11,784	1977	5	3	17	45	0
11,785	1977	5	3	18	0	0
11,786	1977	5	3	18	15	0
11,787	1977	5	3	18	30	0
11,788	1977	5	3	18	45	0
11,789	1977	5	3	19	0	0
11,790	1977	5	3	19	15	0
11,791	1977	5	3	19	30	0
11,792	1977	5	3	19	45	0
11,793	1977	5	3	20	0	0
11,794	1977	5	3	20	15	0
11,795	1977	5	3	20	30	0
11,796	1977	5	3	20	45	0
11,797	1977	5	3	21	0	0
11,798	1977	5	3	21	15	0
11,799	1977	5	3	21	30	0
11,800	1977	5	3	21	45	0
11,801	1977	5	3	22	0	0
11,802	1977	5	3	22	15	0
11,803	1977	5	3	22	30	0
11,804	1977	5	3	22	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
11,805	1977	5	3	23	0	0
11,806	1977	5	3	23	15	0
11,807	1977	5	3	23	30	0
11,808	1977	5	3	23	45	0
11,809	1977	5	4	0	0	0
11,810	1977	5	4	0	15	0
11,811	1977	5	4	0	30	0
11,812	1977	5	4	0	45	0
11,813	1977	5	4	1	0	0
11,814	1977	5	4	1	15	0
11,815	1977	5	4	1	30	0
11,816	1977	5	4	1	45	0
11,817	1977	5	4	2	0	0
11,818	1977	5	4	2	15	0
11,819	1977	5	4	2	30	0
11,820	1977	5	4	2	45	0
11,821	1977	5	4	3	0	0.0025
11,822	1977	5	4	3	15	0.0025
11,823	1977	5	4	3	30	0.0025
11,824	1977	5	4	3	45	0.0025
11,825	1977	5	4	4	0	0.0025
11,826	1977	5	4	4	15	0.0025
11,827	1977	5	4	4	30	0.0025
11,828	1977	5	4	4	45	0.0025
11,829	1977	5	4	5	0	0.0025
11,830	1977	5	4	5	15	0.0025
11,831	1977	5	4	5	30	0.0025
11,832	1977	5	4	5	45	0.0025
11,833	1977	5	4	6	0	0.0025
11,834	1977	5	4	6	15	0.0025
11,835	1977	5	4	6	30	0.0025
11,836	1977	5	4	6	45	0.0025
11,837	1977	5	4	7	0	0.0025
11,838	1977	5	4	7	15	0.0025
11,839	1977	5	4	7	30	0.0025
11,840	1977	5	4	7	45	0.0025
11,841	1977	5	4	8	0	0.01
11,842	1977	5	4	8	15	0.01
11,843	1977	5	4	8	30	0.01
11,844	1977	5	4	8	45	0.01
11,845	1977	5	4	9	0	0.01
11,846	1977	5	4	9	15	0.01
11,847	1977	5	4	9	30	0.01
11,848	1977	5	4	9	45	0.01
11,849	1977	5	4	10	0	0.03
11,850	1977	5	4	10	15	0.03
11,851	1977	5	4	10	30	0.03
11,852	1977	5	4	10	45	0.03
11,853	1977	5	4	11	0	0.0125
11,854	1977	5	4	11	15	0.0125
11,855	1977	5	4	11	30	0.0125
11,856	1977	5	4	11	45	0.0125

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
11,857	1977	5	4	12	0	0.0025
11,858	1977	5	4	12	15	0.0025
11,859	1977	5	4	12	30	0.0025
11,860	1977	5	4	12	45	0.0025
11,861	1977	5	4	13	0	0
11,862	1977	5	4	13	15	0
11,863	1977	5	4	13	30	0
11,864	1977	5	4	13	45	0
11,865	1977	5	4	14	0	0
11,866	1977	5	4	14	15	0
11,867	1977	5	4	14	30	0
11,868	1977	5	4	14	45	0
11,869	1977	5	4	15	0	0
11,870	1977	5	4	15	15	0
11,871	1977	5	4	15	30	0
11,872	1977	5	4	15	45	0
11,873	1977	5	4	16	0	0
11,874	1977	5	4	16	15	0
11,875	1977	5	4	16	30	0
11,876	1977	5	4	16	45	0
11,877	1977	5	4	17	0	0.0125
11,878	1977	5	4	17	15	0.0125
11,879	1977	5	4	17	30	0.0125
11,880	1977	5	4	17	45	0.0125
11,881	1977	5	4	18	0	0
11,882	1977	5	4	18	15	0
11,883	1977	5	4	18	30	0
11,884	1977	5	4	18	45	0
11,885	1977	5	4	19	0	0
11,886	1977	5	4	19	15	0
11,887	1977	5	4	19	30	0
11,888	1977	5	4	19	45	0
11,889	1977	5	4	20	0	0
11,890	1977	5	4	20	15	0
11,891	1977	5	4	20	30	0
11,892	1977	5	4	20	45	0
11,893	1977	5	4	21	0	0
11,894	1977	5	4	21	15	0
11,895	1977	5	4	21	30	0
11,896	1977	5	4	21	45	0
11,897	1977	5	4	22	0	0
11,898	1977	5	4	22	15	0
11,899	1977	5	4	22	30	0
11,900	1977	5	4	22	45	0
11,901	1977	5	4	23	0	0
11,902	1977	5	4	23	15	0
11,903	1977	5	4	23	30	0
11,904	1977	5	4	23	45	0
11,905	1977	5	5	0	0	0
11,906	1977	5	5	0	15	0
11,907	1977	5	5	0	30	0
11,908	1977	5	5	0	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
11,909	1977	5	5	1	0	0
11,910	1977	5	5	1	15	0
11,911	1977	5	5	1	30	0
11,912	1977	5	5	1	45	0
11,913	1977	5	5	2	0	0
11,914	1977	5	5	2	15	0
11,915	1977	5	5	2	30	0
11,916	1977	5	5	2	45	0
11,917	1977	5	5	3	0	0
11,918	1977	5	5	3	15	0
11,919	1977	5	5	3	30	0
11,920	1977	5	5	3	45	0
11,921	1977	5	5	4	0	0
11,922	1977	5	5	4	15	0
11,923	1977	5	5	4	30	0
11,924	1977	5	5	4	45	0
11,925	1977	5	5	5	0	0
11,926	1977	5	5	5	15	0
11,927	1977	5	5	5	30	0
11,928	1977	5	5	5	45	0
11,929	1977	5	5	6	0	0
11,930	1977	5	5	6	15	0
11,931	1977	5	5	6	30	0
11,932	1977	5	5	6	45	0
11,933	1977	5	5	7	0	0.01
11,934	1977	5	5	7	15	0.01
11,935	1977	5	5	7	30	0.01
11,936	1977	5	5	7	45	0.01
11,937	1977	5	5	8	0	0
11,938	1977	5	5	8	15	0
11,939	1977	5	5	8	30	0
11,940	1977	5	5	8	45	0
11,941	1977	5	5	9	0	0
11,942	1977	5	5	9	15	0
11,943	1977	5	5	9	30	0
11,944	1977	5	5	9	45	0
11,945	1977	5	5	10	0	0
11,946	1977	5	5	10	15	0
11,947	1977	5	5	10	30	0
11,948	1977	5	5	10	45	0
11,949	1977	5	5	11	0	0
11,950	1977	5	5	11	15	0
11,951	1977	5	5	11	30	0
11,952	1977	5	5	11	45	0
11,953	1977	5	5	12	0	0
11,954	1977	5	5	12	15	0
11,955	1977	5	5	12	30	0
11,956	1977	5	5	12	45	0
11,957	1977	5	5	13	0	0
11,958	1977	5	5	13	15	0
11,959	1977	5	5	13	30	0
11,960	1977	5	5	13	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
11,961	1977	5	5	14	0	0
11,962	1977	5	5	14	15	0
11,963	1977	5	5	14	30	0
11,964	1977	5	5	14	45	0
11,965	1977	5	5	15	0	0
11,966	1977	5	5	15	15	0
11,967	1977	5	5	15	30	0
11,968	1977	5	5	15	45	0
11,969	1977	5	5	16	0	0
11,970	1977	5	5	16	15	0
11,971	1977	5	5	16	30	0
11,972	1977	5	5	16	45	0
11,973	1977	5	5	17	0	0
11,974	1977	5	5	17	15	0
11,975	1977	5	5	17	30	0
11,976	1977	5	5	17	45	0
11,977	1977	5	5	18	0	0
11,978	1977	5	5	18	15	0
11,979	1977	5	5	18	30	0
11,980	1977	5	5	18	45	0
11,981	1977	5	5	19	0	0
11,982	1977	5	5	19	15	0
11,983	1977	5	5	19	30	0
11,984	1977	5	5	19	45	0
11,985	1977	5	5	20	0	0
11,986	1977	5	5	20	15	0
11,987	1977	5	5	20	30	0
11,988	1977	5	5	20	45	0
11,989	1977	5	5	21	0	0
11,990	1977	5	5	21	15	0
11,991	1977	5	5	21	30	0
11,992	1977	5	5	21	45	0
11,993	1977	5	5	22	0	0
11,994	1977	5	5	22	15	0
11,995	1977	5	5	22	30	0
11,996	1977	5	5	22	45	0
11,997	1977	5	5	23	0	0
11,998	1977	5	5	23	15	0
11,999	1977	5	5	23	30	0
12,000	1977	5	5	23	45	0
12,001	1977	5	6	0	0	0
12,002	1977	5	6	0	15	0
12,003	1977	5	6	0	30	0
12,004	1977	5	6	0	45	0
12,005	1977	5	6	1	0	0
12,006	1977	5	6	1	15	0
12,007	1977	5	6	1	30	0
12,008	1977	5	6	1	45	0
12,009	1977	5	6	2	0	0
12,010	1977	5	6	2	15	0
12,011	1977	5	6	2	30	0
12,012	1977	5	6	2	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
12,013	1977	5	6	3	0	0
12,014	1977	5	6	3	15	0
12,015	1977	5	6	3	30	0
12,016	1977	5	6	3	45	0
12,017	1977	5	6	4	0	0
12,018	1977	5	6	4	15	0
12,019	1977	5	6	4	30	0
12,020	1977	5	6	4	45	0
12,021	1977	5	6	5	0	0
12,022	1977	5	6	5	15	0
12,023	1977	5	6	5	30	0
12,024	1977	5	6	5	45	0
12,025	1977	5	6	6	0	0
12,026	1977	5	6	6	15	0
12,027	1977	5	6	6	30	0
12,028	1977	5	6	6	45	0
12,029	1977	5	6	7	0	0
12,030	1977	5	6	7	15	0
12,031	1977	5	6	7	30	0
12,032	1977	5	6	7	45	0
12,033	1977	5	6	8	0	0
12,034	1977	5	6	8	15	0
12,035	1977	5	6	8	30	0
12,036	1977	5	6	8	45	0
12,037	1977	5	6	9	0	0
12,038	1977	5	6	9	15	0
12,039	1977	5	6	9	30	0
12,040	1977	5	6	9	45	0
12,041	1977	5	6	10	0	0
12,042	1977	5	6	10	15	0
12,043	1977	5	6	10	30	0
12,044	1977	5	6	10	45	0
12,045	1977	5	6	11	0	0
12,046	1977	5	6	11	15	0
12,047	1977	5	6	11	30	0
12,048	1977	5	6	11	45	0
12,049	1977	5	6	12	0	0
12,050	1977	5	6	12	15	0
12,051	1977	5	6	12	30	0
12,052	1977	5	6	12	45	0
12,053	1977	5	6	13	0	0
12,054	1977	5	6	13	15	0
12,055	1977	5	6	13	30	0
12,056	1977	5	6	13	45	0
12,057	1977	5	6	14	0	0
12,058	1977	5	6	14	15	0
12,059	1977	5	6	14	30	0
12,060	1977	5	6	14	45	0
12,061	1977	5	6	15	0	0
12,062	1977	5	6	15	15	0
12,063	1977	5	6	15	30	0
12,064	1977	5	6	15	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
12,065	1977	5	6	16	0	0
12,066	1977	5	6	16	15	0
12,067	1977	5	6	16	30	0
12,068	1977	5	6	16	45	0
12,069	1977	5	6	17	0	0
12,070	1977	5	6	17	15	0
12,071	1977	5	6	17	30	0
12,072	1977	5	6	17	45	0
12,073	1977	5	6	18	0	0
12,074	1977	5	6	18	15	0
12,075	1977	5	6	18	30	0
12,076	1977	5	6	18	45	0
12,077	1977	5	6	19	0	0
12,078	1977	5	6	19	15	0
12,079	1977	5	6	19	30	0
12,080	1977	5	6	19	45	0
12,081	1977	5	6	20	0	0
12,082	1977	5	6	20	15	0
12,083	1977	5	6	20	30	0
12,084	1977	5	6	20	45	0
12,085	1977	5	6	21	0	0
12,086	1977	5	6	21	15	0
12,087	1977	5	6	21	30	0
12,088	1977	5	6	21	45	0
12,089	1977	5	6	22	0	0
12,090	1977	5	6	22	15	0
12,091	1977	5	6	22	30	0
12,092	1977	5	6	22	45	0
12,093	1977	5	6	23	0	0
12,094	1977	5	6	23	15	0
12,095	1977	5	6	23	30	0
12,096	1977	5	6	23	45	0
12,097	1977	5	7	0	0	0
12,098	1977	5	7	0	15	0
12,099	1977	5	7	0	30	0
12,100	1977	5	7	0	45	0
12,101	1977	5	7	1	0	0
12,102	1977	5	7	1	15	0
12,103	1977	5	7	1	30	0
12,104	1977	5	7	1	45	0
12,105	1977	5	7	2	0	0
12,106	1977	5	7	2	15	0
12,107	1977	5	7	2	30	0
12,108	1977	5	7	2	45	0
12,109	1977	5	7	3	0	0
12,110	1977	5	7	3	15	0
12,111	1977	5	7	3	30	0
12,112	1977	5	7	3	45	0
12,113	1977	5	7	4	0	0
12,114	1977	5	7	4	15	0
12,115	1977	5	7	4	30	0
12,116	1977	5	7	4	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
12,117	1977	5	7	5	0	0
12,118	1977	5	7	5	15	0
12,119	1977	5	7	5	30	0
12,120	1977	5	7	5	45	0
12,121	1977	5	7	6	0	0
12,122	1977	5	7	6	15	0
12,123	1977	5	7	6	30	0
12,124	1977	5	7	6	45	0
12,125	1977	5	7	7	0	0
12,126	1977	5	7	7	15	0
12,127	1977	5	7	7	30	0
12,128	1977	5	7	7	45	0
12,129	1977	5	7	8	0	0
12,130	1977	5	7	8	15	0
12,131	1977	5	7	8	30	0
12,132	1977	5	7	8	45	0
12,133	1977	5	7	9	0	0
12,134	1977	5	7	9	15	0
12,135	1977	5	7	9	30	0
12,136	1977	5	7	9	45	0
12,137	1977	5	7	10	0	0
12,138	1977	5	7	10	15	0
12,139	1977	5	7	10	30	0
12,140	1977	5	7	10	45	0
12,141	1977	5	7	11	0	0
12,142	1977	5	7	11	15	0
12,143	1977	5	7	11	30	0
12,144	1977	5	7	11	45	0
12,145	1977	5	7	12	0	0
12,146	1977	5	7	12	15	0
12,147	1977	5	7	12	30	0
12,148	1977	5	7	12	45	0
12,149	1977	5	7	13	0	0
12,150	1977	5	7	13	15	0
12,151	1977	5	7	13	30	0
12,152	1977	5	7	13	45	0
12,153	1977	5	7	14	0	0
12,154	1977	5	7	14	15	0
12,155	1977	5	7	14	30	0
12,156	1977	5	7	14	45	0
12,157	1977	5	7	15	0	0
12,158	1977	5	7	15	15	0
12,159	1977	5	7	15	30	0
12,160	1977	5	7	15	45	0
12,161	1977	5	7	16	0	0
12,162	1977	5	7	16	15	0
12,163	1977	5	7	16	30	0
12,164	1977	5	7	16	45	0
12,165	1977	5	7	17	0	0
12,166	1977	5	7	17	15	0
12,167	1977	5	7	17	30	0
12,168	1977	5	7	17	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
12,169	1977	5	7	18	0	0
12,170	1977	5	7	18	15	0
12,171	1977	5	7	18	30	0
12,172	1977	5	7	18	45	0
12,173	1977	5	7	19	0	0
12,174	1977	5	7	19	15	0
12,175	1977	5	7	19	30	0
12,176	1977	5	7	19	45	0
12,177	1977	5	7	20	0	0
12,178	1977	5	7	20	15	0
12,179	1977	5	7	20	30	0
12,180	1977	5	7	20	45	0
12,181	1977	5	7	21	0	0
12,182	1977	5	7	21	15	0
12,183	1977	5	7	21	30	0
12,184	1977	5	7	21	45	0
12,185	1977	5	7	22	0	0
12,186	1977	5	7	22	15	0
12,187	1977	5	7	22	30	0
12,188	1977	5	7	22	45	0
12,189	1977	5	7	23	0	0
12,190	1977	5	7	23	15	0
12,191	1977	5	7	23	30	0
12,192	1977	5	7	23	45	0
12,193	1977	5	8	0	0	0
12,194	1977	5	8	0	15	0
12,195	1977	5	8	0	30	0
12,196	1977	5	8	0	45	0
12,197	1977	5	8	1	0	0
12,198	1977	5	8	1	15	0
12,199	1977	5	8	1	30	0
12,200	1977	5	8	1	45	0
12,201	1977	5	8	2	0	0
12,202	1977	5	8	2	15	0
12,203	1977	5	8	2	30	0
12,204	1977	5	8	2	45	0
12,205	1977	5	8	3	0	0
12,206	1977	5	8	3	15	0
12,207	1977	5	8	3	30	0
12,208	1977	5	8	3	45	0
12,209	1977	5	8	4	0	0
12,210	1977	5	8	4	15	0
12,211	1977	5	8	4	30	0
12,212	1977	5	8	4	45	0
12,213	1977	5	8	5	0	0
12,214	1977	5	8	5	15	0
12,215	1977	5	8	5	30	0
12,216	1977	5	8	5	45	0
12,217	1977	5	8	6	0	0
12,218	1977	5	8	6	15	0
12,219	1977	5	8	6	30	0
12,220	1977	5	8	6	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
12,221	1977	5	8	7	0	0
12,222	1977	5	8	7	15	0
12,223	1977	5	8	7	30	0
12,224	1977	5	8	7	45	0
12,225	1977	5	8	8	0	0
12,226	1977	5	8	8	15	0
12,227	1977	5	8	8	30	0
12,228	1977	5	8	8	45	0
12,229	1977	5	8	9	0	0
12,230	1977	5	8	9	15	0
12,231	1977	5	8	9	30	0
12,232	1977	5	8	9	45	0
12,233	1977	5	8	10	0	0
12,234	1977	5	8	10	15	0
12,235	1977	5	8	10	30	0
12,236	1977	5	8	10	45	0
12,237	1977	5	8	11	0	0
12,238	1977	5	8	11	15	0
12,239	1977	5	8	11	30	0
12,240	1977	5	8	11	45	0
12,241	1977	5	8	12	0	0.07
12,242	1977	5	8	12	15	0.07
12,243	1977	5	8	12	30	0.07
12,244	1977	5	8	12	45	0.07
12,245	1977	5	8	13	0	0
12,246	1977	5	8	13	15	0
12,247	1977	5	8	13	30	0
12,248	1977	5	8	13	45	0
12,249	1977	5	8	14	0	0
12,250	1977	5	8	14	15	0
12,251	1977	5	8	14	30	0
12,252	1977	5	8	14	45	0
12,253	1977	5	8	15	0	0
12,254	1977	5	8	15	15	0
12,255	1977	5	8	15	30	0
12,256	1977	5	8	15	45	0
12,257	1977	5	8	16	0	0
12,258	1977	5	8	16	15	0
12,259	1977	5	8	16	30	0
12,260	1977	5	8	16	45	0
12,261	1977	5	8	17	0	0
12,262	1977	5	8	17	15	0
12,263	1977	5	8	17	30	0
12,264	1977	5	8	17	45	0
12,265	1977	5	8	18	0	0
12,266	1977	5	8	18	15	0
12,267	1977	5	8	18	30	0
12,268	1977	5	8	18	45	0
12,269	1977	5	8	19	0	0
12,270	1977	5	8	19	15	0
12,271	1977	5	8	19	30	0
12,272	1977	5	8	19	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
12,273	1977	5	8	20	0	0
12,274	1977	5	8	20	15	0
12,275	1977	5	8	20	30	0
12,276	1977	5	8	20	45	0
12,277	1977	5	8	21	0	0
12,278	1977	5	8	21	15	0
12,279	1977	5	8	21	30	0
12,280	1977	5	8	21	45	0
12,281	1977	5	8	22	0	0
12,282	1977	5	8	22	15	0
12,283	1977	5	8	22	30	0
12,284	1977	5	8	22	45	0
12,285	1977	5	8	23	0	0
12,286	1977	5	8	23	15	0
12,287	1977	5	8	23	30	0
12,288	1977	5	8	23	45	0
12,289	1977	5	9	0	0	0
12,290	1977	5	9	0	15	0
12,291	1977	5	9	0	30	0
12,292	1977	5	9	0	45	0
12,293	1977	5	9	1	0	0
12,294	1977	5	9	1	15	0
12,295	1977	5	9	1	30	0
12,296	1977	5	9	1	45	0
12,297	1977	5	9	2	0	0
12,298	1977	5	9	2	15	0
12,299	1977	5	9	2	30	0
12,300	1977	5	9	2	45	0
12,301	1977	5	9	3	0	0
12,302	1977	5	9	3	15	0
12,303	1977	5	9	3	30	0
12,304	1977	5	9	3	45	0
12,305	1977	5	9	4	0	0
12,306	1977	5	9	4	15	0
12,307	1977	5	9	4	30	0
12,308	1977	5	9	4	45	0
12,309	1977	5	9	5	0	0
12,310	1977	5	9	5	15	0
12,311	1977	5	9	5	30	0
12,312	1977	5	9	5	45	0
12,313	1977	5	9	6	0	0
12,314	1977	5	9	6	15	0
12,315	1977	5	9	6	30	0
12,316	1977	5	9	6	45	0
12,317	1977	5	9	7	0	0
12,318	1977	5	9	7	15	0
12,319	1977	5	9	7	30	0
12,320	1977	5	9	7	45	0
12,321	1977	5	9	8	0	0
12,322	1977	5	9	8	15	0
12,323	1977	5	9	8	30	0
12,324	1977	5	9	8	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
12,325	1977	5	9	9	0	0
12,326	1977	5	9	9	15	0
12,327	1977	5	9	9	30	0
12,328	1977	5	9	9	45	0
12,329	1977	5	9	10	0	0
12,330	1977	5	9	10	15	0
12,331	1977	5	9	10	30	0
12,332	1977	5	9	10	45	0
12,333	1977	5	9	11	0	0
12,334	1977	5	9	11	15	0
12,335	1977	5	9	11	30	0
12,336	1977	5	9	11	45	0
12,337	1977	5	9	12	0	0
12,338	1977	5	9	12	15	0
12,339	1977	5	9	12	30	0
12,340	1977	5	9	12	45	0
12,341	1977	5	9	13	0	0
12,342	1977	5	9	13	15	0
12,343	1977	5	9	13	30	0
12,344	1977	5	9	13	45	0
12,345	1977	5	9	14	0	0
12,346	1977	5	9	14	15	0
12,347	1977	5	9	14	30	0
12,348	1977	5	9	14	45	0
12,349	1977	5	9	15	0	0
12,350	1977	5	9	15	15	0
12,351	1977	5	9	15	30	0
12,352	1977	5	9	15	45	0
12,353	1977	5	9	16	0	0
12,354	1977	5	9	16	15	0
12,355	1977	5	9	16	30	0
12,356	1977	5	9	16	45	0
12,357	1977	5	9	17	0	0
12,358	1977	5	9	17	15	0
12,359	1977	5	9	17	30	0
12,360	1977	5	9	17	45	0
12,361	1977	5	9	18	0	0
12,362	1977	5	9	18	15	0
12,363	1977	5	9	18	30	0
12,364	1977	5	9	18	45	0
12,365	1977	5	9	19	0	0
12,366	1977	5	9	19	15	0
12,367	1977	5	9	19	30	0
12,368	1977	5	9	19	45	0
12,369	1977	5	9	20	0	0
12,370	1977	5	9	20	15	0
12,371	1977	5	9	20	30	0
12,372	1977	5	9	20	45	0
12,373	1977	5	9	21	0	0
12,374	1977	5	9	21	15	0
12,375	1977	5	9	21	30	0
12,376	1977	5	9	21	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
12,377	1977	5	9	22	0	0
12,378	1977	5	9	22	15	0
12,379	1977	5	9	22	30	0
12,380	1977	5	9	22	45	0
12,381	1977	5	9	23	0	0
12,382	1977	5	9	23	15	0
12,383	1977	5	9	23	30	0
12,384	1977	5	9	23	45	0
12,385	1977	5	10	0	0	0
12,386	1977	5	10	0	15	0
12,387	1977	5	10	0	30	0
12,388	1977	5	10	0	45	0
12,389	1977	5	10	1	0	0
12,390	1977	5	10	1	15	0
12,391	1977	5	10	1	30	0
12,392	1977	5	10	1	45	0
12,393	1977	5	10	2	0	0
12,394	1977	5	10	2	15	0
12,395	1977	5	10	2	30	0
12,396	1977	5	10	2	45	0
12,397	1977	5	10	3	0	0
12,398	1977	5	10	3	15	0
12,399	1977	5	10	3	30	0
12,400	1977	5	10	3	45	0
12,401	1977	5	10	4	0	0
12,402	1977	5	10	4	15	0
12,403	1977	5	10	4	30	0
12,404	1977	5	10	4	45	0
12,405	1977	5	10	5	0	0
12,406	1977	5	10	5	15	0
12,407	1977	5	10	5	30	0
12,408	1977	5	10	5	45	0
12,409	1977	5	10	6	0	0
12,410	1977	5	10	6	15	0
12,411	1977	5	10	6	30	0
12,412	1977	5	10	6	45	0
12,413	1977	5	10	7	0	0
12,414	1977	5	10	7	15	0
12,415	1977	5	10	7	30	0
12,416	1977	5	10	7	45	0
12,417	1977	5	10	8	0	0
12,418	1977	5	10	8	15	0
12,419	1977	5	10	8	30	0
12,420	1977	5	10	8	45	0
12,421	1977	5	10	9	0	0
12,422	1977	5	10	9	15	0
12,423	1977	5	10	9	30	0
12,424	1977	5	10	9	45	0
12,425	1977	5	10	10	0	0
12,426	1977	5	10	10	15	0
12,427	1977	5	10	10	30	0
12,428	1977	5	10	10	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
12,429	1977	5	10	11	0	0
12,430	1977	5	10	11	15	0
12,431	1977	5	10	11	30	0
12,432	1977	5	10	11	45	0
12,433	1977	5	10	12	0	0
12,434	1977	5	10	12	15	0
12,435	1977	5	10	12	30	0
12,436	1977	5	10	12	45	0
12,437	1977	5	10	13	0	0
12,438	1977	5	10	13	15	0
12,439	1977	5	10	13	30	0
12,440	1977	5	10	13	45	0
12,441	1977	5	10	14	0	0
12,442	1977	5	10	14	15	0
12,443	1977	5	10	14	30	0
12,444	1977	5	10	14	45	0
12,445	1977	5	10	15	0	0
12,446	1977	5	10	15	15	0
12,447	1977	5	10	15	30	0
12,448	1977	5	10	15	45	0
12,449	1977	5	10	16	0	0
12,450	1977	5	10	16	15	0
12,451	1977	5	10	16	30	0
12,452	1977	5	10	16	45	0
12,453	1977	5	10	17	0	0
12,454	1977	5	10	17	15	0
12,455	1977	5	10	17	30	0
12,456	1977	5	10	17	45	0
12,457	1977	5	10	18	0	0
12,458	1977	5	10	18	15	0
12,459	1977	5	10	18	30	0
12,460	1977	5	10	18	45	0
12,461	1977	5	10	19	0	0
12,462	1977	5	10	19	15	0
12,463	1977	5	10	19	30	0
12,464	1977	5	10	19	45	0
12,465	1977	5	10	20	0	0
12,466	1977	5	10	20	15	0
12,467	1977	5	10	20	30	0
12,468	1977	5	10	20	45	0
12,469	1977	5	10	21	0	0
12,470	1977	5	10	21	15	0
12,471	1977	5	10	21	30	0
12,472	1977	5	10	21	45	0
12,473	1977	5	10	22	0	0
12,474	1977	5	10	22	15	0
12,475	1977	5	10	22	30	0
12,476	1977	5	10	22	45	0
12,477	1977	5	10	23	0	0
12,478	1977	5	10	23	15	0
12,479	1977	5	10	23	30	0
12,480	1977	5	10	23	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
12,481	1977	5	11	0	0	0
12,482	1977	5	11	0	15	0
12,483	1977	5	11	0	30	0
12,484	1977	5	11	0	45	0
12,485	1977	5	11	1	0	0
12,486	1977	5	11	1	15	0
12,487	1977	5	11	1	30	0
12,488	1977	5	11	1	45	0
12,489	1977	5	11	2	0	0
12,490	1977	5	11	2	15	0
12,491	1977	5	11	2	30	0
12,492	1977	5	11	2	45	0
12,493	1977	5	11	3	0	0
12,494	1977	5	11	3	15	0
12,495	1977	5	11	3	30	0
12,496	1977	5	11	3	45	0
12,497	1977	5	11	4	0	0
12,498	1977	5	11	4	15	0
12,499	1977	5	11	4	30	0
12,500	1977	5	11	4	45	0
12,501	1977	5	11	5	0	0
12,502	1977	5	11	5	15	0
12,503	1977	5	11	5	30	0
12,504	1977	5	11	5	45	0
12,505	1977	5	11	6	0	0
12,506	1977	5	11	6	15	0
12,507	1977	5	11	6	30	0
12,508	1977	5	11	6	45	0
12,509	1977	5	11	7	0	0
12,510	1977	5	11	7	15	0
12,511	1977	5	11	7	30	0
12,512	1977	5	11	7	45	0
12,513	1977	5	11	8	0	0
12,514	1977	5	11	8	15	0
12,515	1977	5	11	8	30	0
12,516	1977	5	11	8	45	0
12,517	1977	5	11	9	0	0
12,518	1977	5	11	9	15	0
12,519	1977	5	11	9	30	0
12,520	1977	5	11	9	45	0
12,521	1977	5	11	10	0	0
12,522	1977	5	11	10	15	0
12,523	1977	5	11	10	30	0
12,524	1977	5	11	10	45	0
12,525	1977	5	11	11	0	0
12,526	1977	5	11	11	15	0
12,527	1977	5	11	11	30	0
12,528	1977	5	11	11	45	0
12,529	1977	5	11	12	0	0
12,530	1977	5	11	12	15	0
12,531	1977	5	11	12	30	0
12,532	1977	5	11	12	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
12,533	1977	5	11	13	0	0
12,534	1977	5	11	13	15	0
12,535	1977	5	11	13	30	0
12,536	1977	5	11	13	45	0
12,537	1977	5	11	14	0	0
12,538	1977	5	11	14	15	0
12,539	1977	5	11	14	30	0
12,540	1977	5	11	14	45	0
12,541	1977	5	11	15	0	0
12,542	1977	5	11	15	15	0
12,543	1977	5	11	15	30	0
12,544	1977	5	11	15	45	0
12,545	1977	5	11	16	0	0
12,546	1977	5	11	16	15	0
12,547	1977	5	11	16	30	0
12,548	1977	5	11	16	45	0
12,549	1977	5	11	17	0	0
12,550	1977	5	11	17	15	0
12,551	1977	5	11	17	30	0
12,552	1977	5	11	17	45	0
12,553	1977	5	11	18	0	0
12,554	1977	5	11	18	15	0
12,555	1977	5	11	18	30	0
12,556	1977	5	11	18	45	0
12,557	1977	5	11	19	0	0
12,558	1977	5	11	19	15	0
12,559	1977	5	11	19	30	0
12,560	1977	5	11	19	45	0
12,561	1977	5	11	20	0	0
12,562	1977	5	11	20	15	0
12,563	1977	5	11	20	30	0
12,564	1977	5	11	20	45	0
12,565	1977	5	11	21	0	0
12,566	1977	5	11	21	15	0
12,567	1977	5	11	21	30	0
12,568	1977	5	11	21	45	0
12,569	1977	5	11	22	0	0
12,570	1977	5	11	22	15	0
12,571	1977	5	11	22	30	0
12,572	1977	5	11	22	45	0
12,573	1977	5	11	23	0	0
12,574	1977	5	11	23	15	0
12,575	1977	5	11	23	30	0
12,576	1977	5	11	23	45	0
12,577	1977	5	12	0	0	0
12,578	1977	5	12	0	15	0
12,579	1977	5	12	0	30	0
12,580	1977	5	12	0	45	0
12,581	1977	5	12	1	0	0
12,582	1977	5	12	1	15	0
12,583	1977	5	12	1	30	0
12,584	1977	5	12	1	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
12,585	1977	5	12	2	0	0
12,586	1977	5	12	2	15	0
12,587	1977	5	12	2	30	0
12,588	1977	5	12	2	45	0
12,589	1977	5	12	3	0	0
12,590	1977	5	12	3	15	0
12,591	1977	5	12	3	30	0
12,592	1977	5	12	3	45	0
12,593	1977	5	12	4	0	0
12,594	1977	5	12	4	15	0
12,595	1977	5	12	4	30	0
12,596	1977	5	12	4	45	0
12,597	1977	5	12	5	0	0
12,598	1977	5	12	5	15	0
12,599	1977	5	12	5	30	0
12,600	1977	5	12	5	45	0
12,601	1977	5	12	6	0	0
12,602	1977	5	12	6	15	0
12,603	1977	5	12	6	30	0
12,604	1977	5	12	6	45	0
12,605	1977	5	12	7	0	0
12,606	1977	5	12	7	15	0
12,607	1977	5	12	7	30	0
12,608	1977	5	12	7	45	0
12,609	1977	5	12	8	0	0
12,610	1977	5	12	8	15	0
12,611	1977	5	12	8	30	0
12,612	1977	5	12	8	45	0
12,613	1977	5	12	9	0	0
12,614	1977	5	12	9	15	0
12,615	1977	5	12	9	30	0
12,616	1977	5	12	9	45	0
12,617	1977	5	12	10	0	0
12,618	1977	5	12	10	15	0
12,619	1977	5	12	10	30	0
12,620	1977	5	12	10	45	0
12,621	1977	5	12	11	0	0
12,622	1977	5	12	11	15	0
12,623	1977	5	12	11	30	0
12,624	1977	5	12	11	45	0
12,625	1977	5	12	12	0	0.07
12,626	1977	5	12	12	15	0.07
12,627	1977	5	12	12	30	0.07
12,628	1977	5	12	12	45	0.07
12,629	1977	5	12	13	0	0
12,630	1977	5	12	13	15	0
12,631	1977	5	12	13	30	0
12,632	1977	5	12	13	45	0
12,633	1977	5	12	14	0	0
12,634	1977	5	12	14	15	0
12,635	1977	5	12	14	30	0
12,636	1977	5	12	14	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
12,637	1977	5	12	15	0	0
12,638	1977	5	12	15	15	0
12,639	1977	5	12	15	30	0
12,640	1977	5	12	15	45	0
12,641	1977	5	12	16	0	0
12,642	1977	5	12	16	15	0
12,643	1977	5	12	16	30	0
12,644	1977	5	12	16	45	0
12,645	1977	5	12	17	0	0
12,646	1977	5	12	17	15	0
12,647	1977	5	12	17	30	0
12,648	1977	5	12	17	45	0
12,649	1977	5	12	18	0	0
12,650	1977	5	12	18	15	0
12,651	1977	5	12	18	30	0
12,652	1977	5	12	18	45	0
12,653	1977	5	12	19	0	0
12,654	1977	5	12	19	15	0
12,655	1977	5	12	19	30	0
12,656	1977	5	12	19	45	0
12,657	1977	5	12	20	0	0
12,658	1977	5	12	20	15	0
12,659	1977	5	12	20	30	0
12,660	1977	5	12	20	45	0
12,661	1977	5	12	21	0	0
12,662	1977	5	12	21	15	0
12,663	1977	5	12	21	30	0
12,664	1977	5	12	21	45	0
12,665	1977	5	12	22	0	0
12,666	1977	5	12	22	15	0
12,667	1977	5	12	22	30	0
12,668	1977	5	12	22	45	0
12,669	1977	5	12	23	0	0
12,670	1977	5	12	23	15	0
12,671	1977	5	12	23	30	0
12,672	1977	5	12	23	45	0
12,673	1977	5	13	0	0	0
12,674	1977	5	13	0	15	0
12,675	1977	5	13	0	30	0
12,676	1977	5	13	0	45	0
12,677	1977	5	13	1	0	0
12,678	1977	5	13	1	15	0
12,679	1977	5	13	1	30	0
12,680	1977	5	13	1	45	0
12,681	1977	5	13	2	0	0
12,682	1977	5	13	2	15	0
12,683	1977	5	13	2	30	0
12,684	1977	5	13	2	45	0
12,685	1977	5	13	3	0	0
12,686	1977	5	13	3	15	0
12,687	1977	5	13	3	30	0
12,688	1977	5	13	3	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
12,689	1977	5	13	4	0	0
12,690	1977	5	13	4	15	0
12,691	1977	5	13	4	30	0
12,692	1977	5	13	4	45	0
12,693	1977	5	13	5	0	0
12,694	1977	5	13	5	15	0
12,695	1977	5	13	5	30	0
12,696	1977	5	13	5	45	0
12,697	1977	5	13	6	0	0
12,698	1977	5	13	6	15	0
12,699	1977	5	13	6	30	0
12,700	1977	5	13	6	45	0
12,701	1977	5	13	7	0	0
12,702	1977	5	13	7	15	0
12,703	1977	5	13	7	30	0
12,704	1977	5	13	7	45	0
12,705	1977	5	13	8	0	0
12,706	1977	5	13	8	15	0
12,707	1977	5	13	8	30	0
12,708	1977	5	13	8	45	0
12,709	1977	5	13	9	0	0
12,710	1977	5	13	9	15	0
12,711	1977	5	13	9	30	0
12,712	1977	5	13	9	45	0
12,713	1977	5	13	10	0	0
12,714	1977	5	13	10	15	0
12,715	1977	5	13	10	30	0
12,716	1977	5	13	10	45	0
12,717	1977	5	13	11	0	0
12,718	1977	5	13	11	15	0
12,719	1977	5	13	11	30	0
12,720	1977	5	13	11	45	0
12,721	1977	5	13	12	0	0
12,722	1977	5	13	12	15	0
12,723	1977	5	13	12	30	0
12,724	1977	5	13	12	45	0
12,725	1977	5	13	13	0	0
12,726	1977	5	13	13	15	0
12,727	1977	5	13	13	30	0
12,728	1977	5	13	13	45	0
12,729	1977	5	13	14	0	0
12,730	1977	5	13	14	15	0
12,731	1977	5	13	14	30	0
12,732	1977	5	13	14	45	0
12,733	1977	5	13	15	0	0
12,734	1977	5	13	15	15	0
12,735	1977	5	13	15	30	0
12,736	1977	5	13	15	45	0
12,737	1977	5	13	16	0	0
12,738	1977	5	13	16	15	0
12,739	1977	5	13	16	30	0
12,740	1977	5	13	16	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
12,741	1977	5	13	17	0	0
12,742	1977	5	13	17	15	0
12,743	1977	5	13	17	30	0
12,744	1977	5	13	17	45	0
12,745	1977	5	13	18	0	0
12,746	1977	5	13	18	15	0
12,747	1977	5	13	18	30	0
12,748	1977	5	13	18	45	0
12,749	1977	5	13	19	0	0
12,750	1977	5	13	19	15	0
12,751	1977	5	13	19	30	0
12,752	1977	5	13	19	45	0
12,753	1977	5	13	20	0	0
12,754	1977	5	13	20	15	0
12,755	1977	5	13	20	30	0
12,756	1977	5	13	20	45	0
12,757	1977	5	13	21	0	0
12,758	1977	5	13	21	15	0
12,759	1977	5	13	21	30	0
12,760	1977	5	13	21	45	0
12,761	1977	5	13	22	0	0
12,762	1977	5	13	22	15	0
12,763	1977	5	13	22	30	0
12,764	1977	5	13	22	45	0
12,765	1977	5	13	23	0	0
12,766	1977	5	13	23	15	0
12,767	1977	5	13	23	30	0
12,768	1977	5	13	23	45	0
12,769	1977	5	14	0	0	0
12,770	1977	5	14	0	15	0
12,771	1977	5	14	0	30	0
12,772	1977	5	14	0	45	0
12,773	1977	5	14	1	0	0
12,774	1977	5	14	1	15	0
12,775	1977	5	14	1	30	0
12,776	1977	5	14	1	45	0
12,777	1977	5	14	2	0	0
12,778	1977	5	14	2	15	0
12,779	1977	5	14	2	30	0
12,780	1977	5	14	2	45	0
12,781	1977	5	14	3	0	0
12,782	1977	5	14	3	15	0
12,783	1977	5	14	3	30	0
12,784	1977	5	14	3	45	0
12,785	1977	5	14	4	0	0
12,786	1977	5	14	4	15	0
12,787	1977	5	14	4	30	0
12,788	1977	5	14	4	45	0
12,789	1977	5	14	5	0	0
12,790	1977	5	14	5	15	0
12,791	1977	5	14	5	30	0
12,792	1977	5	14	5	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
12,793	1977	5	14	6	0	0
12,794	1977	5	14	6	15	0
12,795	1977	5	14	6	30	0
12,796	1977	5	14	6	45	0
12,797	1977	5	14	7	0	0
12,798	1977	5	14	7	15	0
12,799	1977	5	14	7	30	0
12,800	1977	5	14	7	45	0
12,801	1977	5	14	8	0	0
12,802	1977	5	14	8	15	0
12,803	1977	5	14	8	30	0
12,804	1977	5	14	8	45	0
12,805	1977	5	14	9	0	0
12,806	1977	5	14	9	15	0
12,807	1977	5	14	9	30	0
12,808	1977	5	14	9	45	0
12,809	1977	5	14	10	0	0
12,810	1977	5	14	10	15	0
12,811	1977	5	14	10	30	0
12,812	1977	5	14	10	45	0
12,813	1977	5	14	11	0	0
12,814	1977	5	14	11	15	0
12,815	1977	5	14	11	30	0
12,816	1977	5	14	11	45	0
12,817	1977	5	14	12	0	0
12,818	1977	5	14	12	15	0
12,819	1977	5	14	12	30	0
12,820	1977	5	14	12	45	0
12,821	1977	5	14	13	0	0
12,822	1977	5	14	13	15	0
12,823	1977	5	14	13	30	0
12,824	1977	5	14	13	45	0
12,825	1977	5	14	14	0	0
12,826	1977	5	14	14	15	0
12,827	1977	5	14	14	30	0
12,828	1977	5	14	14	45	0
12,829	1977	5	14	15	0	0
12,830	1977	5	14	15	15	0
12,831	1977	5	14	15	30	0
12,832	1977	5	14	15	45	0
12,833	1977	5	14	16	0	0
12,834	1977	5	14	16	15	0
12,835	1977	5	14	16	30	0
12,836	1977	5	14	16	45	0
12,837	1977	5	14	17	0	0
12,838	1977	5	14	17	15	0
12,839	1977	5	14	17	30	0
12,840	1977	5	14	17	45	0
12,841	1977	5	14	18	0	0
12,842	1977	5	14	18	15	0
12,843	1977	5	14	18	30	0
12,844	1977	5	14	18	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
12,845	1977	5	14	19	0	0
12,846	1977	5	14	19	15	0
12,847	1977	5	14	19	30	0
12,848	1977	5	14	19	45	0
12,849	1977	5	14	20	0	0
12,850	1977	5	14	20	15	0
12,851	1977	5	14	20	30	0
12,852	1977	5	14	20	45	0
12,853	1977	5	14	21	0	0
12,854	1977	5	14	21	15	0
12,855	1977	5	14	21	30	0
12,856	1977	5	14	21	45	0
12,857	1977	5	14	22	0	0
12,858	1977	5	14	22	15	0
12,859	1977	5	14	22	30	0
12,860	1977	5	14	22	45	0
12,861	1977	5	14	23	0	0
12,862	1977	5	14	23	15	0
12,863	1977	5	14	23	30	0
12,864	1977	5	14	23	45	0
12,865	1977	5	15	0	0	0
12,866	1977	5	15	0	15	0
12,867	1977	5	15	0	30	0
12,868	1977	5	15	0	45	0
12,869	1977	5	15	1	0	0
12,870	1977	5	15	1	15	0
12,871	1977	5	15	1	30	0
12,872	1977	5	15	1	45	0
12,873	1977	5	15	2	0	0
12,874	1977	5	15	2	15	0
12,875	1977	5	15	2	30	0
12,876	1977	5	15	2	45	0
12,877	1977	5	15	3	0	0
12,878	1977	5	15	3	15	0
12,879	1977	5	15	3	30	0
12,880	1977	5	15	3	45	0
12,881	1977	5	15	4	0	0
12,882	1977	5	15	4	15	0
12,883	1977	5	15	4	30	0
12,884	1977	5	15	4	45	0
12,885	1977	5	15	5	0	0
12,886	1977	5	15	5	15	0
12,887	1977	5	15	5	30	0
12,888	1977	5	15	5	45	0
12,889	1977	5	15	6	0	0
12,890	1977	5	15	6	15	0
12,891	1977	5	15	6	30	0
12,892	1977	5	15	6	45	0
12,893	1977	5	15	7	0	0
12,894	1977	5	15	7	15	0
12,895	1977	5	15	7	30	0
12,896	1977	5	15	7	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
12,897	1977	5	15	8	0	0
12,898	1977	5	15	8	15	0
12,899	1977	5	15	8	30	0
12,900	1977	5	15	8	45	0
12,901	1977	5	15	9	0	0
12,902	1977	5	15	9	15	0
12,903	1977	5	15	9	30	0
12,904	1977	5	15	9	45	0
12,905	1977	5	15	10	0	0
12,906	1977	5	15	10	15	0
12,907	1977	5	15	10	30	0
12,908	1977	5	15	10	45	0
12,909	1977	5	15	11	0	0
12,910	1977	5	15	11	15	0
12,911	1977	5	15	11	30	0
12,912	1977	5	15	11	45	0
12,913	1977	5	15	12	0	0
12,914	1977	5	15	12	15	0
12,915	1977	5	15	12	30	0
12,916	1977	5	15	12	45	0
12,917	1977	5	15	13	0	0
12,918	1977	5	15	13	15	0
12,919	1977	5	15	13	30	0
12,920	1977	5	15	13	45	0
12,921	1977	5	15	14	0	0
12,922	1977	5	15	14	15	0
12,923	1977	5	15	14	30	0
12,924	1977	5	15	14	45	0
12,925	1977	5	15	15	0	0
12,926	1977	5	15	15	15	0
12,927	1977	5	15	15	30	0
12,928	1977	5	15	15	45	0
12,929	1977	5	15	16	0	0
12,930	1977	5	15	16	15	0
12,931	1977	5	15	16	30	0
12,932	1977	5	15	16	45	0
12,933	1977	5	15	17	0	0
12,934	1977	5	15	17	15	0
12,935	1977	5	15	17	30	0
12,936	1977	5	15	17	45	0
12,937	1977	5	15	18	0	0
12,938	1977	5	15	18	15	0
12,939	1977	5	15	18	30	0
12,940	1977	5	15	18	45	0
12,941	1977	5	15	19	0	0
12,942	1977	5	15	19	15	0
12,943	1977	5	15	19	30	0
12,944	1977	5	15	19	45	0
12,945	1977	5	15	20	0	0
12,946	1977	5	15	20	15	0
12,947	1977	5	15	20	30	0
12,948	1977	5	15	20	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
12,949	1977	5	15	21	0	0
12,950	1977	5	15	21	15	0
12,951	1977	5	15	21	30	0
12,952	1977	5	15	21	45	0
12,953	1977	5	15	22	0	0
12,954	1977	5	15	22	15	0
12,955	1977	5	15	22	30	0
12,956	1977	5	15	22	45	0
12,957	1977	5	15	23	0	0
12,958	1977	5	15	23	15	0
12,959	1977	5	15	23	30	0
12,960	1977	5	15	23	45	0
12,961	1977	5	16	0	0	0
12,962	1977	5	16	0	15	0
12,963	1977	5	16	0	30	0
12,964	1977	5	16	0	45	0
12,965	1977	5	16	1	0	0
12,966	1977	5	16	1	15	0
12,967	1977	5	16	1	30	0
12,968	1977	5	16	1	45	0
12,969	1977	5	16	2	0	0
12,970	1977	5	16	2	15	0
12,971	1977	5	16	2	30	0
12,972	1977	5	16	2	45	0
12,973	1977	5	16	3	0	0
12,974	1977	5	16	3	15	0
12,975	1977	5	16	3	30	0
12,976	1977	5	16	3	45	0
12,977	1977	5	16	4	0	0
12,978	1977	5	16	4	15	0
12,979	1977	5	16	4	30	0
12,980	1977	5	16	4	45	0
12,981	1977	5	16	5	0	0
12,982	1977	5	16	5	15	0
12,983	1977	5	16	5	30	0
12,984	1977	5	16	5	45	0
12,985	1977	5	16	6	0	0
12,986	1977	5	16	6	15	0
12,987	1977	5	16	6	30	0
12,988	1977	5	16	6	45	0
12,989	1977	5	16	7	0	0
12,990	1977	5	16	7	15	0
12,991	1977	5	16	7	30	0
12,992	1977	5	16	7	45	0
12,993	1977	5	16	8	0	0
12,994	1977	5	16	8	15	0
12,995	1977	5	16	8	30	0
12,996	1977	5	16	8	45	0
12,997	1977	5	16	9	0	0
12,998	1977	5	16	9	15	0
12,999	1977	5	16	9	30	0
13,000	1977	5	16	9	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
13,001	1977	5	16	10	0	0
13,002	1977	5	16	10	15	0
13,003	1977	5	16	10	30	0
13,004	1977	5	16	10	45	0
13,005	1977	5	16	11	0	0
13,006	1977	5	16	11	15	0
13,007	1977	5	16	11	30	0
13,008	1977	5	16	11	45	0
13,009	1977	5	16	12	0	0.0675
13,010	1977	5	16	12	15	0.0675
13,011	1977	5	16	12	30	0.0675
13,012	1977	5	16	12	45	0.0675
13,013	1977	5	16	13	0	0
13,014	1977	5	16	13	15	0
13,015	1977	5	16	13	30	0
13,016	1977	5	16	13	45	0
13,017	1977	5	16	14	0	0
13,018	1977	5	16	14	15	0
13,019	1977	5	16	14	30	0
13,020	1977	5	16	14	45	0
13,021	1977	5	16	15	0	0
13,022	1977	5	16	15	15	0
13,023	1977	5	16	15	30	0
13,024	1977	5	16	15	45	0
13,025	1977	5	16	16	0	0
13,026	1977	5	16	16	15	0
13,027	1977	5	16	16	30	0
13,028	1977	5	16	16	45	0
13,029	1977	5	16	17	0	0
13,030	1977	5	16	17	15	0
13,031	1977	5	16	17	30	0
13,032	1977	5	16	17	45	0
13,033	1977	5	16	18	0	0
13,034	1977	5	16	18	15	0
13,035	1977	5	16	18	30	0
13,036	1977	5	16	18	45	0
13,037	1977	5	16	19	0	0
13,038	1977	5	16	19	15	0
13,039	1977	5	16	19	30	0
13,040	1977	5	16	19	45	0
13,041	1977	5	16	20	0	0
13,042	1977	5	16	20	15	0
13,043	1977	5	16	20	30	0
13,044	1977	5	16	20	45	0
13,045	1977	5	16	21	0	0
13,046	1977	5	16	21	15	0
13,047	1977	5	16	21	30	0
13,048	1977	5	16	21	45	0
13,049	1977	5	16	22	0	0
13,050	1977	5	16	22	15	0
13,051	1977	5	16	22	30	0
13,052	1977	5	16	22	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
13,053	1977	5	16	23	0	0
13,054	1977	5	16	23	15	0
13,055	1977	5	16	23	30	0
13,056	1977	5	16	23	45	0
13,057	1977	5	17	0	0	0
13,058	1977	5	17	0	15	0
13,059	1977	5	17	0	30	0
13,060	1977	5	17	0	45	0
13,061	1977	5	17	1	0	0
13,062	1977	5	17	1	15	0
13,063	1977	5	17	1	30	0
13,064	1977	5	17	1	45	0
13,065	1977	5	17	2	0	0
13,066	1977	5	17	2	15	0
13,067	1977	5	17	2	30	0
13,068	1977	5	17	2	45	0
13,069	1977	5	17	3	0	0
13,070	1977	5	17	3	15	0
13,071	1977	5	17	3	30	0
13,072	1977	5	17	3	45	0
13,073	1977	5	17	4	0	0
13,074	1977	5	17	4	15	0
13,075	1977	5	17	4	30	0
13,076	1977	5	17	4	45	0
13,077	1977	5	17	5	0	0
13,078	1977	5	17	5	15	0
13,079	1977	5	17	5	30	0
13,080	1977	5	17	5	45	0
13,081	1977	5	17	6	0	0
13,082	1977	5	17	6	15	0
13,083	1977	5	17	6	30	0
13,084	1977	5	17	6	45	0
13,085	1977	5	17	7	0	0
13,086	1977	5	17	7	15	0
13,087	1977	5	17	7	30	0
13,088	1977	5	17	7	45	0
13,089	1977	5	17	8	0	0
13,090	1977	5	17	8	15	0
13,091	1977	5	17	8	30	0
13,092	1977	5	17	8	45	0
13,093	1977	5	17	9	0	0
13,094	1977	5	17	9	15	0
13,095	1977	5	17	9	30	0
13,096	1977	5	17	9	45	0
13,097	1977	5	17	10	0	0
13,098	1977	5	17	10	15	0
13,099	1977	5	17	10	30	0
13,100	1977	5	17	10	45	0
13,101	1977	5	17	11	0	0
13,102	1977	5	17	11	15	0
13,103	1977	5	17	11	30	0
13,104	1977	5	17	11	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
13,105	1977	5	17	12	0	0
13,106	1977	5	17	12	15	0
13,107	1977	5	17	12	30	0
13,108	1977	5	17	12	45	0
13,109	1977	5	17	13	0	0
13,110	1977	5	17	13	15	0
13,111	1977	5	17	13	30	0
13,112	1977	5	17	13	45	0
13,113	1977	5	17	14	0	0
13,114	1977	5	17	14	15	0
13,115	1977	5	17	14	30	0
13,116	1977	5	17	14	45	0
13,117	1977	5	17	15	0	0
13,118	1977	5	17	15	15	0
13,119	1977	5	17	15	30	0
13,120	1977	5	17	15	45	0
13,121	1977	5	17	16	0	0
13,122	1977	5	17	16	15	0
13,123	1977	5	17	16	30	0
13,124	1977	5	17	16	45	0
13,125	1977	5	17	17	0	0
13,126	1977	5	17	17	15	0
13,127	1977	5	17	17	30	0
13,128	1977	5	17	17	45	0
13,129	1977	5	17	18	0	0
13,130	1977	5	17	18	15	0
13,131	1977	5	17	18	30	0
13,132	1977	5	17	18	45	0
13,133	1977	5	17	19	0	0
13,134	1977	5	17	19	15	0
13,135	1977	5	17	19	30	0
13,136	1977	5	17	19	45	0
13,137	1977	5	17	20	0	0
13,138	1977	5	17	20	15	0
13,139	1977	5	17	20	30	0
13,140	1977	5	17	20	45	0
13,141	1977	5	17	21	0	0
13,142	1977	5	17	21	15	0
13,143	1977	5	17	21	30	0
13,144	1977	5	17	21	45	0
13,145	1977	5	17	22	0	0
13,146	1977	5	17	22	15	0
13,147	1977	5	17	22	30	0
13,148	1977	5	17	22	45	0
13,149	1977	5	17	23	0	0
13,150	1977	5	17	23	15	0
13,151	1977	5	17	23	30	0
13,152	1977	5	17	23	45	0
13,153	1977	5	18	0	0	0
13,154	1977	5	18	0	15	0
13,155	1977	5	18	0	30	0
13,156	1977	5	18	0	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
13,157	1977	5	18	1	0	0
13,158	1977	5	18	1	15	0
13,159	1977	5	18	1	30	0
13,160	1977	5	18	1	45	0
13,161	1977	5	18	2	0	0
13,162	1977	5	18	2	15	0
13,163	1977	5	18	2	30	0
13,164	1977	5	18	2	45	0
13,165	1977	5	18	3	0	0
13,166	1977	5	18	3	15	0
13,167	1977	5	18	3	30	0
13,168	1977	5	18	3	45	0
13,169	1977	5	18	4	0	0
13,170	1977	5	18	4	15	0
13,171	1977	5	18	4	30	0
13,172	1977	5	18	4	45	0
13,173	1977	5	18	5	0	0
13,174	1977	5	18	5	15	0
13,175	1977	5	18	5	30	0
13,176	1977	5	18	5	45	0
13,177	1977	5	18	6	0	0
13,178	1977	5	18	6	15	0
13,179	1977	5	18	6	30	0
13,180	1977	5	18	6	45	0
13,181	1977	5	18	7	0	0
13,182	1977	5	18	7	15	0
13,183	1977	5	18	7	30	0
13,184	1977	5	18	7	45	0
13,185	1977	5	18	8	0	0
13,186	1977	5	18	8	15	0
13,187	1977	5	18	8	30	0
13,188	1977	5	18	8	45	0
13,189	1977	5	18	9	0	0
13,190	1977	5	18	9	15	0
13,191	1977	5	18	9	30	0
13,192	1977	5	18	9	45	0
13,193	1977	5	18	10	0	0
13,194	1977	5	18	10	15	0
13,195	1977	5	18	10	30	0
13,196	1977	5	18	10	45	0
13,197	1977	5	18	11	0	0
13,198	1977	5	18	11	15	0
13,199	1977	5	18	11	30	0
13,200	1977	5	18	11	45	0
13,201	1977	5	18	12	0	0
13,202	1977	5	18	12	15	0
13,203	1977	5	18	12	30	0
13,204	1977	5	18	12	45	0
13,205	1977	5	18	13	0	0
13,206	1977	5	18	13	15	0
13,207	1977	5	18	13	30	0
13,208	1977	5	18	13	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
13,209	1977	5	18	14	0	0
13,210	1977	5	18	14	15	0
13,211	1977	5	18	14	30	0
13,212	1977	5	18	14	45	0
13,213	1977	5	18	15	0	0
13,214	1977	5	18	15	15	0
13,215	1977	5	18	15	30	0
13,216	1977	5	18	15	45	0
13,217	1977	5	18	16	0	0
13,218	1977	5	18	16	15	0
13,219	1977	5	18	16	30	0
13,220	1977	5	18	16	45	0
13,221	1977	5	18	17	0	0
13,222	1977	5	18	17	15	0
13,223	1977	5	18	17	30	0
13,224	1977	5	18	17	45	0
13,225	1977	5	18	18	0	0
13,226	1977	5	18	18	15	0
13,227	1977	5	18	18	30	0
13,228	1977	5	18	18	45	0
13,229	1977	5	18	19	0	0
13,230	1977	5	18	19	15	0
13,231	1977	5	18	19	30	0
13,232	1977	5	18	19	45	0
13,233	1977	5	18	20	0	0
13,234	1977	5	18	20	15	0
13,235	1977	5	18	20	30	0
13,236	1977	5	18	20	45	0
13,237	1977	5	18	21	0	0
13,238	1977	5	18	21	15	0
13,239	1977	5	18	21	30	0
13,240	1977	5	18	21	45	0
13,241	1977	5	18	22	0	0
13,242	1977	5	18	22	15	0
13,243	1977	5	18	22	30	0
13,244	1977	5	18	22	45	0
13,245	1977	5	18	23	0	0
13,246	1977	5	18	23	15	0
13,247	1977	5	18	23	30	0
13,248	1977	5	18	23	45	0
13,249	1977	5	19	0	0	0
13,250	1977	5	19	0	15	0
13,251	1977	5	19	0	30	0
13,252	1977	5	19	0	45	0
13,253	1977	5	19	1	0	0
13,254	1977	5	19	1	15	0
13,255	1977	5	19	1	30	0
13,256	1977	5	19	1	45	0
13,257	1977	5	19	2	0	0
13,258	1977	5	19	2	15	0
13,259	1977	5	19	2	30	0
13,260	1977	5	19	2	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
13,261	1977	5	19	3	0	0
13,262	1977	5	19	3	15	0
13,263	1977	5	19	3	30	0
13,264	1977	5	19	3	45	0
13,265	1977	5	19	4	0	0
13,266	1977	5	19	4	15	0
13,267	1977	5	19	4	30	0
13,268	1977	5	19	4	45	0
13,269	1977	5	19	5	0	0
13,270	1977	5	19	5	15	0
13,271	1977	5	19	5	30	0
13,272	1977	5	19	5	45	0
13,273	1977	5	19	6	0	0
13,274	1977	5	19	6	15	0
13,275	1977	5	19	6	30	0
13,276	1977	5	19	6	45	0
13,277	1977	5	19	7	0	0
13,278	1977	5	19	7	15	0
13,279	1977	5	19	7	30	0
13,280	1977	5	19	7	45	0
13,281	1977	5	19	8	0	0
13,282	1977	5	19	8	15	0
13,283	1977	5	19	8	30	0
13,284	1977	5	19	8	45	0
13,285	1977	5	19	9	0	0
13,286	1977	5	19	9	15	0
13,287	1977	5	19	9	30	0
13,288	1977	5	19	9	45	0
13,289	1977	5	19	10	0	0
13,290	1977	5	19	10	15	0
13,291	1977	5	19	10	30	0
13,292	1977	5	19	10	45	0
13,293	1977	5	19	11	0	0
13,294	1977	5	19	11	15	0
13,295	1977	5	19	11	30	0
13,296	1977	5	19	11	45	0
13,297	1977	5	19	12	0	0
13,298	1977	5	19	12	15	0
13,299	1977	5	19	12	30	0
13,300	1977	5	19	12	45	0
13,301	1977	5	19	13	0	0
13,302	1977	5	19	13	15	0
13,303	1977	5	19	13	30	0
13,304	1977	5	19	13	45	0
13,305	1977	5	19	14	0	0
13,306	1977	5	19	14	15	0
13,307	1977	5	19	14	30	0
13,308	1977	5	19	14	45	0
13,309	1977	5	19	15	0	0
13,310	1977	5	19	15	15	0
13,311	1977	5	19	15	30	0
13,312	1977	5	19	15	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
13,313	1977	5	19	16	0	0
13,314	1977	5	19	16	15	0
13,315	1977	5	19	16	30	0
13,316	1977	5	19	16	45	0
13,317	1977	5	19	17	0	0
13,318	1977	5	19	17	15	0
13,319	1977	5	19	17	30	0
13,320	1977	5	19	17	45	0
13,321	1977	5	19	18	0	0
13,322	1977	5	19	18	15	0
13,323	1977	5	19	18	30	0
13,324	1977	5	19	18	45	0
13,325	1977	5	19	19	0	0
13,326	1977	5	19	19	15	0
13,327	1977	5	19	19	30	0
13,328	1977	5	19	19	45	0
13,329	1977	5	19	20	0	0
13,330	1977	5	19	20	15	0
13,331	1977	5	19	20	30	0
13,332	1977	5	19	20	45	0
13,333	1977	5	19	21	0	0
13,334	1977	5	19	21	15	0
13,335	1977	5	19	21	30	0
13,336	1977	5	19	21	45	0
13,337	1977	5	19	22	0	0
13,338	1977	5	19	22	15	0
13,339	1977	5	19	22	30	0
13,340	1977	5	19	22	45	0
13,341	1977	5	19	23	0	0
13,342	1977	5	19	23	15	0
13,343	1977	5	19	23	30	0
13,344	1977	5	19	23	45	0
13,345	1977	5	20	0	0	0
13,346	1977	5	20	0	15	0
13,347	1977	5	20	0	30	0
13,348	1977	5	20	0	45	0
13,349	1977	5	20	1	0	0
13,350	1977	5	20	1	15	0
13,351	1977	5	20	1	30	0
13,352	1977	5	20	1	45	0
13,353	1977	5	20	2	0	0
13,354	1977	5	20	2	15	0
13,355	1977	5	20	2	30	0
13,356	1977	5	20	2	45	0
13,357	1977	5	20	3	0	0
13,358	1977	5	20	3	15	0
13,359	1977	5	20	3	30	0
13,360	1977	5	20	3	45	0
13,361	1977	5	20	4	0	0
13,362	1977	5	20	4	15	0
13,363	1977	5	20	4	30	0
13,364	1977	5	20	4	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
13,365	1977	5	20	5	0	0
13,366	1977	5	20	5	15	0
13,367	1977	5	20	5	30	0
13,368	1977	5	20	5	45	0
13,369	1977	5	20	6	0	0
13,370	1977	5	20	6	15	0
13,371	1977	5	20	6	30	0
13,372	1977	5	20	6	45	0
13,373	1977	5	20	7	0	0
13,374	1977	5	20	7	15	0
13,375	1977	5	20	7	30	0
13,376	1977	5	20	7	45	0
13,377	1977	5	20	8	0	0
13,378	1977	5	20	8	15	0
13,379	1977	5	20	8	30	0
13,380	1977	5	20	8	45	0
13,381	1977	5	20	9	0	0
13,382	1977	5	20	9	15	0
13,383	1977	5	20	9	30	0
13,384	1977	5	20	9	45	0
13,385	1977	5	20	10	0	0
13,386	1977	5	20	10	15	0
13,387	1977	5	20	10	30	0
13,388	1977	5	20	10	45	0
13,389	1977	5	20	11	0	0
13,390	1977	5	20	11	15	0
13,391	1977	5	20	11	30	0
13,392	1977	5	20	11	45	0
13,393	1977	5	20	12	0	0
13,394	1977	5	20	12	15	0
13,395	1977	5	20	12	30	0
13,396	1977	5	20	12	45	0
13,397	1977	5	20	13	0	0
13,398	1977	5	20	13	15	0
13,399	1977	5	20	13	30	0
13,400	1977	5	20	13	45	0
13,401	1977	5	20	14	0	0
13,402	1977	5	20	14	15	0
13,403	1977	5	20	14	30	0
13,404	1977	5	20	14	45	0
13,405	1977	5	20	15	0	0
13,406	1977	5	20	15	15	0
13,407	1977	5	20	15	30	0
13,408	1977	5	20	15	45	0
13,409	1977	5	20	16	0	0
13,410	1977	5	20	16	15	0
13,411	1977	5	20	16	30	0
13,412	1977	5	20	16	45	0
13,413	1977	5	20	17	0	0
13,414	1977	5	20	17	15	0
13,415	1977	5	20	17	30	0
13,416	1977	5	20	17	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
13,417	1977	5	20	18	0	0
13,418	1977	5	20	18	15	0
13,419	1977	5	20	18	30	0
13,420	1977	5	20	18	45	0
13,421	1977	5	20	19	0	0
13,422	1977	5	20	19	15	0
13,423	1977	5	20	19	30	0
13,424	1977	5	20	19	45	0
13,425	1977	5	20	20	0	0
13,426	1977	5	20	20	15	0
13,427	1977	5	20	20	30	0
13,428	1977	5	20	20	45	0
13,429	1977	5	20	21	0	0
13,430	1977	5	20	21	15	0
13,431	1977	5	20	21	30	0
13,432	1977	5	20	21	45	0
13,433	1977	5	20	22	0	0
13,434	1977	5	20	22	15	0
13,435	1977	5	20	22	30	0
13,436	1977	5	20	22	45	0
13,437	1977	5	20	23	0	0
13,438	1977	5	20	23	15	0
13,439	1977	5	20	23	30	0
13,440	1977	5	20	23	45	0
13,441	1977	5	21	0	0	0
13,442	1977	5	21	0	15	0
13,443	1977	5	21	0	30	0
13,444	1977	5	21	0	45	0
13,445	1977	5	21	1	0	0
13,446	1977	5	21	1	15	0
13,447	1977	5	21	1	30	0
13,448	1977	5	21	1	45	0
13,449	1977	5	21	2	0	0
13,450	1977	5	21	2	15	0
13,451	1977	5	21	2	30	0
13,452	1977	5	21	2	45	0
13,453	1977	5	21	3	0	0
13,454	1977	5	21	3	15	0
13,455	1977	5	21	3	30	0
13,456	1977	5	21	3	45	0
13,457	1977	5	21	4	0	0
13,458	1977	5	21	4	15	0
13,459	1977	5	21	4	30	0
13,460	1977	5	21	4	45	0
13,461	1977	5	21	5	0	0
13,462	1977	5	21	5	15	0
13,463	1977	5	21	5	30	0
13,464	1977	5	21	5	45	0
13,465	1977	5	21	6	0	0
13,466	1977	5	21	6	15	0
13,467	1977	5	21	6	30	0
13,468	1977	5	21	6	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
13,469	1977	5	21	7	0	0
13,470	1977	5	21	7	15	0
13,471	1977	5	21	7	30	0
13,472	1977	5	21	7	45	0
13,473	1977	5	21	8	0	0
13,474	1977	5	21	8	15	0
13,475	1977	5	21	8	30	0
13,476	1977	5	21	8	45	0
13,477	1977	5	21	9	0	0
13,478	1977	5	21	9	15	0
13,479	1977	5	21	9	30	0
13,480	1977	5	21	9	45	0
13,481	1977	5	21	10	0	0
13,482	1977	5	21	10	15	0
13,483	1977	5	21	10	30	0
13,484	1977	5	21	10	45	0
13,485	1977	5	21	11	0	0
13,486	1977	5	21	11	15	0
13,487	1977	5	21	11	30	0
13,488	1977	5	21	11	45	0
13,489	1977	5	21	12	0	0
13,490	1977	5	21	12	15	0
13,491	1977	5	21	12	30	0
13,492	1977	5	21	12	45	0
13,493	1977	5	21	13	0	0
13,494	1977	5	21	13	15	0
13,495	1977	5	21	13	30	0
13,496	1977	5	21	13	45	0
13,497	1977	5	21	14	0	0
13,498	1977	5	21	14	15	0
13,499	1977	5	21	14	30	0
13,500	1977	5	21	14	45	0
13,501	1977	5	21	15	0	0
13,502	1977	5	21	15	15	0
13,503	1977	5	21	15	30	0
13,504	1977	5	21	15	45	0
13,505	1977	5	21	16	0	0
13,506	1977	5	21	16	15	0
13,507	1977	5	21	16	30	0
13,508	1977	5	21	16	45	0
13,509	1977	5	21	17	0	0
13,510	1977	5	21	17	15	0
13,511	1977	5	21	17	30	0
13,512	1977	5	21	17	45	0
13,513	1977	5	21	18	0	0
13,514	1977	5	21	18	15	0
13,515	1977	5	21	18	30	0
13,516	1977	5	21	18	45	0
13,517	1977	5	21	19	0	0
13,518	1977	5	21	19	15	0
13,519	1977	5	21	19	30	0
13,520	1977	5	21	19	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
13,521	1977	5	21	20	0	0
13,522	1977	5	21	20	15	0
13,523	1977	5	21	20	30	0
13,524	1977	5	21	20	45	0
13,525	1977	5	21	21	0	0
13,526	1977	5	21	21	15	0
13,527	1977	5	21	21	30	0
13,528	1977	5	21	21	45	0
13,529	1977	5	21	22	0	0
13,530	1977	5	21	22	15	0
13,531	1977	5	21	22	30	0
13,532	1977	5	21	22	45	0
13,533	1977	5	21	23	0	0
13,534	1977	5	21	23	15	0
13,535	1977	5	21	23	30	0
13,536	1977	5	21	23	45	0
13,537	1977	5	22	0	0	0
13,538	1977	5	22	0	15	0
13,539	1977	5	22	0	30	0
13,540	1977	5	22	0	45	0
13,541	1977	5	22	1	0	0
13,542	1977	5	22	1	15	0
13,543	1977	5	22	1	30	0
13,544	1977	5	22	1	45	0
13,545	1977	5	22	2	0	0
13,546	1977	5	22	2	15	0
13,547	1977	5	22	2	30	0
13,548	1977	5	22	2	45	0
13,549	1977	5	22	3	0	0
13,550	1977	5	22	3	15	0
13,551	1977	5	22	3	30	0
13,552	1977	5	22	3	45	0
13,553	1977	5	22	4	0	0
13,554	1977	5	22	4	15	0
13,555	1977	5	22	4	30	0
13,556	1977	5	22	4	45	0
13,557	1977	5	22	5	0	0
13,558	1977	5	22	5	15	0
13,559	1977	5	22	5	30	0
13,560	1977	5	22	5	45	0
13,561	1977	5	22	6	0	0
13,562	1977	5	22	6	15	0
13,563	1977	5	22	6	30	0
13,564	1977	5	22	6	45	0
13,565	1977	5	22	7	0	0
13,566	1977	5	22	7	15	0
13,567	1977	5	22	7	30	0
13,568	1977	5	22	7	45	0
13,569	1977	5	22	8	0	0
13,570	1977	5	22	8	15	0
13,571	1977	5	22	8	30	0
13,572	1977	5	22	8	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
13,573	1977	5	22	9	0	0
13,574	1977	5	22	9	15	0
13,575	1977	5	22	9	30	0
13,576	1977	5	22	9	45	0
13,577	1977	5	22	10	0	0
13,578	1977	5	22	10	15	0
13,579	1977	5	22	10	30	0
13,580	1977	5	22	10	45	0
13,581	1977	5	22	11	0	0
13,582	1977	5	22	11	15	0
13,583	1977	5	22	11	30	0
13,584	1977	5	22	11	45	0
13,585	1977	5	22	12	0	0
13,586	1977	5	22	12	15	0
13,587	1977	5	22	12	30	0
13,588	1977	5	22	12	45	0
13,589	1977	5	22	13	0	0
13,590	1977	5	22	13	15	0
13,591	1977	5	22	13	30	0
13,592	1977	5	22	13	45	0
13,593	1977	5	22	14	0	0
13,594	1977	5	22	14	15	0
13,595	1977	5	22	14	30	0
13,596	1977	5	22	14	45	0
13,597	1977	5	22	15	0	0
13,598	1977	5	22	15	15	0
13,599	1977	5	22	15	30	0
13,600	1977	5	22	15	45	0
13,601	1977	5	22	16	0	0
13,602	1977	5	22	16	15	0
13,603	1977	5	22	16	30	0
13,604	1977	5	22	16	45	0
13,605	1977	5	22	17	0	0
13,606	1977	5	22	17	15	0
13,607	1977	5	22	17	30	0
13,608	1977	5	22	17	45	0
13,609	1977	5	22	18	0	0
13,610	1977	5	22	18	15	0
13,611	1977	5	22	18	30	0
13,612	1977	5	22	18	45	0
13,613	1977	5	22	19	0	0
13,614	1977	5	22	19	15	0
13,615	1977	5	22	19	30	0
13,616	1977	5	22	19	45	0
13,617	1977	5	22	20	0	0
13,618	1977	5	22	20	15	0
13,619	1977	5	22	20	30	0
13,620	1977	5	22	20	45	0
13,621	1977	5	22	21	0	0
13,622	1977	5	22	21	15	0
13,623	1977	5	22	21	30	0
13,624	1977	5	22	21	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
13,625	1977	5	22	22	0	0
13,626	1977	5	22	22	15	0
13,627	1977	5	22	22	30	0
13,628	1977	5	22	22	45	0
13,629	1977	5	22	23	0	0
13,630	1977	5	22	23	15	0
13,631	1977	5	22	23	30	0
13,632	1977	5	22	23	45	0
13,633	1977	5	23	0	0	0
13,634	1977	5	23	0	15	0
13,635	1977	5	23	0	30	0
13,636	1977	5	23	0	45	0
13,637	1977	5	23	1	0	0
13,638	1977	5	23	1	15	0
13,639	1977	5	23	1	30	0
13,640	1977	5	23	1	45	0
13,641	1977	5	23	2	0	0
13,642	1977	5	23	2	15	0
13,643	1977	5	23	2	30	0
13,644	1977	5	23	2	45	0
13,645	1977	5	23	3	0	0
13,646	1977	5	23	3	15	0
13,647	1977	5	23	3	30	0
13,648	1977	5	23	3	45	0
13,649	1977	5	23	4	0	0
13,650	1977	5	23	4	15	0
13,651	1977	5	23	4	30	0
13,652	1977	5	23	4	45	0
13,653	1977	5	23	5	0	0
13,654	1977	5	23	5	15	0
13,655	1977	5	23	5	30	0
13,656	1977	5	23	5	45	0
13,657	1977	5	23	6	0	0
13,658	1977	5	23	6	15	0
13,659	1977	5	23	6	30	0
13,660	1977	5	23	6	45	0
13,661	1977	5	23	7	0	0
13,662	1977	5	23	7	15	0
13,663	1977	5	23	7	30	0
13,664	1977	5	23	7	45	0
13,665	1977	5	23	8	0	0
13,666	1977	5	23	8	15	0
13,667	1977	5	23	8	30	0
13,668	1977	5	23	8	45	0
13,669	1977	5	23	9	0	0
13,670	1977	5	23	9	15	0
13,671	1977	5	23	9	30	0
13,672	1977	5	23	9	45	0
13,673	1977	5	23	10	0	0
13,674	1977	5	23	10	15	0
13,675	1977	5	23	10	30	0
13,676	1977	5	23	10	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
13,677	1977	5	23	11	0	0
13,678	1977	5	23	11	15	0
13,679	1977	5	23	11	30	0
13,680	1977	5	23	11	45	0
13,681	1977	5	23	12	0	0
13,682	1977	5	23	12	15	0
13,683	1977	5	23	12	30	0
13,684	1977	5	23	12	45	0
13,685	1977	5	23	13	0	0
13,686	1977	5	23	13	15	0
13,687	1977	5	23	13	30	0
13,688	1977	5	23	13	45	0
13,689	1977	5	23	14	0	0
13,690	1977	5	23	14	15	0
13,691	1977	5	23	14	30	0
13,692	1977	5	23	14	45	0
13,693	1977	5	23	15	0	0
13,694	1977	5	23	15	15	0
13,695	1977	5	23	15	30	0
13,696	1977	5	23	15	45	0
13,697	1977	5	23	16	0	0
13,698	1977	5	23	16	15	0
13,699	1977	5	23	16	30	0
13,700	1977	5	23	16	45	0
13,701	1977	5	23	17	0	0
13,702	1977	5	23	17	15	0
13,703	1977	5	23	17	30	0
13,704	1977	5	23	17	45	0
13,705	1977	5	23	18	0	0
13,706	1977	5	23	18	15	0
13,707	1977	5	23	18	30	0
13,708	1977	5	23	18	45	0
13,709	1977	5	23	19	0	0
13,710	1977	5	23	19	15	0
13,711	1977	5	23	19	30	0
13,712	1977	5	23	19	45	0
13,713	1977	5	23	20	0	0
13,714	1977	5	23	20	15	0
13,715	1977	5	23	20	30	0
13,716	1977	5	23	20	45	0
13,717	1977	5	23	21	0	0
13,718	1977	5	23	21	15	0
13,719	1977	5	23	21	30	0
13,720	1977	5	23	21	45	0
13,721	1977	5	23	22	0	0
13,722	1977	5	23	22	15	0
13,723	1977	5	23	22	30	0
13,724	1977	5	23	22	45	0
13,725	1977	5	23	23	0	0
13,726	1977	5	23	23	15	0
13,727	1977	5	23	23	30	0
13,728	1977	5	23	23	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
13,729	1977	5	24	0	0	0
13,730	1977	5	24	0	15	0
13,731	1977	5	24	0	30	0
13,732	1977	5	24	0	45	0
13,733	1977	5	24	1	0	0
13,734	1977	5	24	1	15	0
13,735	1977	5	24	1	30	0
13,736	1977	5	24	1	45	0
13,737	1977	5	24	2	0	0
13,738	1977	5	24	2	15	0
13,739	1977	5	24	2	30	0
13,740	1977	5	24	2	45	0
13,741	1977	5	24	3	0	0
13,742	1977	5	24	3	15	0
13,743	1977	5	24	3	30	0
13,744	1977	5	24	3	45	0
13,745	1977	5	24	4	0	0
13,746	1977	5	24	4	15	0
13,747	1977	5	24	4	30	0
13,748	1977	5	24	4	45	0
13,749	1977	5	24	5	0	0
13,750	1977	5	24	5	15	0
13,751	1977	5	24	5	30	0
13,752	1977	5	24	5	45	0
13,753	1977	5	24	6	0	0
13,754	1977	5	24	6	15	0
13,755	1977	5	24	6	30	0
13,756	1977	5	24	6	45	0
13,757	1977	5	24	7	0	0
13,758	1977	5	24	7	15	0
13,759	1977	5	24	7	30	0
13,760	1977	5	24	7	45	0
13,761	1977	5	24	8	0	0
13,762	1977	5	24	8	15	0
13,763	1977	5	24	8	30	0
13,764	1977	5	24	8	45	0
13,765	1977	5	24	9	0	0
13,766	1977	5	24	9	15	0
13,767	1977	5	24	9	30	0
13,768	1977	5	24	9	45	0
13,769	1977	5	24	10	0	0
13,770	1977	5	24	10	15	0
13,771	1977	5	24	10	30	0
13,772	1977	5	24	10	45	0
13,773	1977	5	24	11	0	0
13,774	1977	5	24	11	15	0
13,775	1977	5	24	11	30	0
13,776	1977	5	24	11	45	0
13,777	1977	5	24	12	0	0
13,778	1977	5	24	12	15	0
13,779	1977	5	24	12	30	0
13,780	1977	5	24	12	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
13,781	1977	5	24	13	0	0
13,782	1977	5	24	13	15	0
13,783	1977	5	24	13	30	0
13,784	1977	5	24	13	45	0
13,785	1977	5	24	14	0	0
13,786	1977	5	24	14	15	0
13,787	1977	5	24	14	30	0
13,788	1977	5	24	14	45	0
13,789	1977	5	24	15	0	0
13,790	1977	5	24	15	15	0
13,791	1977	5	24	15	30	0
13,792	1977	5	24	15	45	0
13,793	1977	5	24	16	0	0
13,794	1977	5	24	16	15	0
13,795	1977	5	24	16	30	0
13,796	1977	5	24	16	45	0
13,797	1977	5	24	17	0	0
13,798	1977	5	24	17	15	0
13,799	1977	5	24	17	30	0
13,800	1977	5	24	17	45	0
13,801	1977	5	24	18	0	0
13,802	1977	5	24	18	15	0
13,803	1977	5	24	18	30	0
13,804	1977	5	24	18	45	0
13,805	1977	5	24	19	0	0
13,806	1977	5	24	19	15	0
13,807	1977	5	24	19	30	0
13,808	1977	5	24	19	45	0
13,809	1977	5	24	20	0	0
13,810	1977	5	24	20	15	0
13,811	1977	5	24	20	30	0
13,812	1977	5	24	20	45	0
13,813	1977	5	24	21	0	0
13,814	1977	5	24	21	15	0
13,815	1977	5	24	21	30	0
13,816	1977	5	24	21	45	0
13,817	1977	5	24	22	0	0
13,818	1977	5	24	22	15	0
13,819	1977	5	24	22	30	0
13,820	1977	5	24	22	45	0
13,821	1977	5	24	23	0	0
13,822	1977	5	24	23	15	0
13,823	1977	5	24	23	30	0
13,824	1977	5	24	23	45	0
13,825	1977	5	25	0	0	0
13,826	1977	5	25	0	15	0
13,827	1977	5	25	0	30	0
13,828	1977	5	25	0	45	0
13,829	1977	5	25	1	0	0
13,830	1977	5	25	1	15	0
13,831	1977	5	25	1	30	0
13,832	1977	5	25	1	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
13,833	1977	5	25	2	0	0
13,834	1977	5	25	2	15	0
13,835	1977	5	25	2	30	0
13,836	1977	5	25	2	45	0
13,837	1977	5	25	3	0	0
13,838	1977	5	25	3	15	0
13,839	1977	5	25	3	30	0
13,840	1977	5	25	3	45	0
13,841	1977	5	25	4	0	0
13,842	1977	5	25	4	15	0
13,843	1977	5	25	4	30	0
13,844	1977	5	25	4	45	0
13,845	1977	5	25	5	0	0
13,846	1977	5	25	5	15	0
13,847	1977	5	25	5	30	0
13,848	1977	5	25	5	45	0
13,849	1977	5	25	6	0	0
13,850	1977	5	25	6	15	0
13,851	1977	5	25	6	30	0
13,852	1977	5	25	6	45	0
13,853	1977	5	25	7	0	0
13,854	1977	5	25	7	15	0
13,855	1977	5	25	7	30	0
13,856	1977	5	25	7	45	0
13,857	1977	5	25	8	0	0
13,858	1977	5	25	8	15	0
13,859	1977	5	25	8	30	0
13,860	1977	5	25	8	45	0
13,861	1977	5	25	9	0	0
13,862	1977	5	25	9	15	0
13,863	1977	5	25	9	30	0
13,864	1977	5	25	9	45	0
13,865	1977	5	25	10	0	0
13,866	1977	5	25	10	15	0
13,867	1977	5	25	10	30	0
13,868	1977	5	25	10	45	0
13,869	1977	5	25	11	0	0
13,870	1977	5	25	11	15	0
13,871	1977	5	25	11	30	0
13,872	1977	5	25	11	45	0
13,873	1977	5	25	12	0	0
13,874	1977	5	25	12	15	0
13,875	1977	5	25	12	30	0
13,876	1977	5	25	12	45	0
13,877	1977	5	25	13	0	0
13,878	1977	5	25	13	15	0
13,879	1977	5	25	13	30	0
13,880	1977	5	25	13	45	0
13,881	1977	5	25	14	0	0
13,882	1977	5	25	14	15	0
13,883	1977	5	25	14	30	0
13,884	1977	5	25	14	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
13,885	1977	5	25	15	0	0
13,886	1977	5	25	15	15	0
13,887	1977	5	25	15	30	0
13,888	1977	5	25	15	45	0
13,889	1977	5	25	16	0	0
13,890	1977	5	25	16	15	0
13,891	1977	5	25	16	30	0
13,892	1977	5	25	16	45	0
13,893	1977	5	25	17	0	0
13,894	1977	5	25	17	15	0
13,895	1977	5	25	17	30	0
13,896	1977	5	25	17	45	0
13,897	1977	5	25	18	0	0
13,898	1977	5	25	18	15	0
13,899	1977	5	25	18	30	0
13,900	1977	5	25	18	45	0
13,901	1977	5	25	19	0	0
13,902	1977	5	25	19	15	0
13,903	1977	5	25	19	30	0
13,904	1977	5	25	19	45	0
13,905	1977	5	25	20	0	0
13,906	1977	5	25	20	15	0
13,907	1977	5	25	20	30	0
13,908	1977	5	25	20	45	0
13,909	1977	5	25	21	0	0
13,910	1977	5	25	21	15	0
13,911	1977	5	25	21	30	0
13,912	1977	5	25	21	45	0
13,913	1977	5	25	22	0	0
13,914	1977	5	25	22	15	0
13,915	1977	5	25	22	30	0
13,916	1977	5	25	22	45	0
13,917	1977	5	25	23	0	0
13,918	1977	5	25	23	15	0
13,919	1977	5	25	23	30	0
13,920	1977	5	25	23	45	0
13,921	1977	5	26	0	0	0
13,922	1977	5	26	0	15	0
13,923	1977	5	26	0	30	0
13,924	1977	5	26	0	45	0
13,925	1977	5	26	1	0	0
13,926	1977	5	26	1	15	0
13,927	1977	5	26	1	30	0
13,928	1977	5	26	1	45	0
13,929	1977	5	26	2	0	0
13,930	1977	5	26	2	15	0
13,931	1977	5	26	2	30	0
13,932	1977	5	26	2	45	0
13,933	1977	5	26	3	0	0
13,934	1977	5	26	3	15	0
13,935	1977	5	26	3	30	0
13,936	1977	5	26	3	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
13,937	1977	5	26	4	0	0
13,938	1977	5	26	4	15	0
13,939	1977	5	26	4	30	0
13,940	1977	5	26	4	45	0
13,941	1977	5	26	5	0	0
13,942	1977	5	26	5	15	0
13,943	1977	5	26	5	30	0
13,944	1977	5	26	5	45	0
13,945	1977	5	26	6	0	0
13,946	1977	5	26	6	15	0
13,947	1977	5	26	6	30	0
13,948	1977	5	26	6	45	0
13,949	1977	5	26	7	0	0
13,950	1977	5	26	7	15	0
13,951	1977	5	26	7	30	0
13,952	1977	5	26	7	45	0
13,953	1977	5	26	8	0	0
13,954	1977	5	26	8	15	0
13,955	1977	5	26	8	30	0
13,956	1977	5	26	8	45	0
13,957	1977	5	26	9	0	0
13,958	1977	5	26	9	15	0
13,959	1977	5	26	9	30	0
13,960	1977	5	26	9	45	0
13,961	1977	5	26	10	0	0
13,962	1977	5	26	10	15	0
13,963	1977	5	26	10	30	0
13,964	1977	5	26	10	45	0
13,965	1977	5	26	11	0	0
13,966	1977	5	26	11	15	0
13,967	1977	5	26	11	30	0
13,968	1977	5	26	11	45	0
13,969	1977	5	26	12	0	0
13,970	1977	5	26	12	15	0
13,971	1977	5	26	12	30	0
13,972	1977	5	26	12	45	0
13,973	1977	5	26	13	0	0
13,974	1977	5	26	13	15	0
13,975	1977	5	26	13	30	0
13,976	1977	5	26	13	45	0
13,977	1977	5	26	14	0	0
13,978	1977	5	26	14	15	0
13,979	1977	5	26	14	30	0
13,980	1977	5	26	14	45	0
13,981	1977	5	26	15	0	0
13,982	1977	5	26	15	15	0
13,983	1977	5	26	15	30	0
13,984	1977	5	26	15	45	0
13,985	1977	5	26	16	0	0
13,986	1977	5	26	16	15	0
13,987	1977	5	26	16	30	0
13,988	1977	5	26	16	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
13,989	1977	5	26	17	0	0
13,990	1977	5	26	17	15	0
13,991	1977	5	26	17	30	0
13,992	1977	5	26	17	45	0
13,993	1977	5	26	18	0	0
13,994	1977	5	26	18	15	0
13,995	1977	5	26	18	30	0
13,996	1977	5	26	18	45	0
13,997	1977	5	26	19	0	0
13,998	1977	5	26	19	15	0
13,999	1977	5	26	19	30	0
14,000	1977	5	26	19	45	0
14,001	1977	5	26	20	0	0
14,002	1977	5	26	20	15	0
14,003	1977	5	26	20	30	0
14,004	1977	5	26	20	45	0
14,005	1977	5	26	21	0	0
14,006	1977	5	26	21	15	0
14,007	1977	5	26	21	30	0
14,008	1977	5	26	21	45	0
14,009	1977	5	26	22	0	0
14,010	1977	5	26	22	15	0
14,011	1977	5	26	22	30	0
14,012	1977	5	26	22	45	0
14,013	1977	5	26	23	0	0
14,014	1977	5	26	23	15	0
14,015	1977	5	26	23	30	0
14,016	1977	5	26	23	45	0
14,017	1977	5	27	0	0	0
14,018	1977	5	27	0	15	0
14,019	1977	5	27	0	30	0
14,020	1977	5	27	0	45	0
14,021	1977	5	27	1	0	0
14,022	1977	5	27	1	15	0
14,023	1977	5	27	1	30	0
14,024	1977	5	27	1	45	0
14,025	1977	5	27	2	0	0
14,026	1977	5	27	2	15	0
14,027	1977	5	27	2	30	0
14,028	1977	5	27	2	45	0
14,029	1977	5	27	3	0	0
14,030	1977	5	27	3	15	0
14,031	1977	5	27	3	30	0
14,032	1977	5	27	3	45	0
14,033	1977	5	27	4	0	0
14,034	1977	5	27	4	15	0
14,035	1977	5	27	4	30	0
14,036	1977	5	27	4	45	0
14,037	1977	5	27	5	0	0
14,038	1977	5	27	5	15	0
14,039	1977	5	27	5	30	0
14,040	1977	5	27	5	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
14,041	1977	5	27	6	0	0
14,042	1977	5	27	6	15	0
14,043	1977	5	27	6	30	0
14,044	1977	5	27	6	45	0
14,045	1977	5	27	7	0	0
14,046	1977	5	27	7	15	0
14,047	1977	5	27	7	30	0
14,048	1977	5	27	7	45	0
14,049	1977	5	27	8	0	0
14,050	1977	5	27	8	15	0
14,051	1977	5	27	8	30	0
14,052	1977	5	27	8	45	0
14,053	1977	5	27	9	0	0
14,054	1977	5	27	9	15	0
14,055	1977	5	27	9	30	0
14,056	1977	5	27	9	45	0
14,057	1977	5	27	10	0	0
14,058	1977	5	27	10	15	0
14,059	1977	5	27	10	30	0
14,060	1977	5	27	10	45	0
14,061	1977	5	27	11	0	0
14,062	1977	5	27	11	15	0
14,063	1977	5	27	11	30	0
14,064	1977	5	27	11	45	0
14,065	1977	5	27	12	0	0
14,066	1977	5	27	12	15	0
14,067	1977	5	27	12	30	0
14,068	1977	5	27	12	45	0
14,069	1977	5	27	13	0	0
14,070	1977	5	27	13	15	0
14,071	1977	5	27	13	30	0
14,072	1977	5	27	13	45	0
14,073	1977	5	27	14	0	0
14,074	1977	5	27	14	15	0
14,075	1977	5	27	14	30	0
14,076	1977	5	27	14	45	0
14,077	1977	5	27	15	0	0
14,078	1977	5	27	15	15	0
14,079	1977	5	27	15	30	0
14,080	1977	5	27	15	45	0
14,081	1977	5	27	16	0	0
14,082	1977	5	27	16	15	0
14,083	1977	5	27	16	30	0
14,084	1977	5	27	16	45	0
14,085	1977	5	27	17	0	0
14,086	1977	5	27	17	15	0
14,087	1977	5	27	17	30	0
14,088	1977	5	27	17	45	0
14,089	1977	5	27	18	0	0
14,090	1977	5	27	18	15	0
14,091	1977	5	27	18	30	0
14,092	1977	5	27	18	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
14,093	1977	5	27	19	0	0
14,094	1977	5	27	19	15	0
14,095	1977	5	27	19	30	0
14,096	1977	5	27	19	45	0
14,097	1977	5	27	20	0	0
14,098	1977	5	27	20	15	0
14,099	1977	5	27	20	30	0
14,100	1977	5	27	20	45	0
14,101	1977	5	27	21	0	0
14,102	1977	5	27	21	15	0
14,103	1977	5	27	21	30	0
14,104	1977	5	27	21	45	0
14,105	1977	5	27	22	0	0
14,106	1977	5	27	22	15	0
14,107	1977	5	27	22	30	0
14,108	1977	5	27	22	45	0
14,109	1977	5	27	23	0	0
14,110	1977	5	27	23	15	0
14,111	1977	5	27	23	30	0
14,112	1977	5	27	23	45	0
14,113	1977	5	28	0	0	0
14,114	1977	5	28	0	15	0
14,115	1977	5	28	0	30	0
14,116	1977	5	28	0	45	0
14,117	1977	5	28	1	0	0
14,118	1977	5	28	1	15	0
14,119	1977	5	28	1	30	0
14,120	1977	5	28	1	45	0
14,121	1977	5	28	2	0	0
14,122	1977	5	28	2	15	0
14,123	1977	5	28	2	30	0
14,124	1977	5	28	2	45	0
14,125	1977	5	28	3	0	0
14,126	1977	5	28	3	15	0
14,127	1977	5	28	3	30	0
14,128	1977	5	28	3	45	0
14,129	1977	5	28	4	0	0
14,130	1977	5	28	4	15	0
14,131	1977	5	28	4	30	0
14,132	1977	5	28	4	45	0
14,133	1977	5	28	5	0	0
14,134	1977	5	28	5	15	0
14,135	1977	5	28	5	30	0
14,136	1977	5	28	5	45	0
14,137	1977	5	28	6	0	0
14,138	1977	5	28	6	15	0
14,139	1977	5	28	6	30	0
14,140	1977	5	28	6	45	0
14,141	1977	5	28	7	0	0
14,142	1977	5	28	7	15	0
14,143	1977	5	28	7	30	0
14,144	1977	5	28	7	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
14,145	1977	5	28	8	0	0
14,146	1977	5	28	8	15	0
14,147	1977	5	28	8	30	0
14,148	1977	5	28	8	45	0
14,149	1977	5	28	9	0	0
14,150	1977	5	28	9	15	0
14,151	1977	5	28	9	30	0
14,152	1977	5	28	9	45	0
14,153	1977	5	28	10	0	0
14,154	1977	5	28	10	15	0
14,155	1977	5	28	10	30	0
14,156	1977	5	28	10	45	0
14,157	1977	5	28	11	0	0
14,158	1977	5	28	11	15	0
14,159	1977	5	28	11	30	0
14,160	1977	5	28	11	45	0
14,161	1977	5	28	12	0	0
14,162	1977	5	28	12	15	0
14,163	1977	5	28	12	30	0
14,164	1977	5	28	12	45	0
14,165	1977	5	28	13	0	0
14,166	1977	5	28	13	15	0
14,167	1977	5	28	13	30	0
14,168	1977	5	28	13	45	0
14,169	1977	5	28	14	0	0
14,170	1977	5	28	14	15	0
14,171	1977	5	28	14	30	0
14,172	1977	5	28	14	45	0
14,173	1977	5	28	15	0	0
14,174	1977	5	28	15	15	0
14,175	1977	5	28	15	30	0
14,176	1977	5	28	15	45	0
14,177	1977	5	28	16	0	0
14,178	1977	5	28	16	15	0
14,179	1977	5	28	16	30	0
14,180	1977	5	28	16	45	0
14,181	1977	5	28	17	0	0
14,182	1977	5	28	17	15	0
14,183	1977	5	28	17	30	0
14,184	1977	5	28	17	45	0
14,185	1977	5	28	18	0	0
14,186	1977	5	28	18	15	0
14,187	1977	5	28	18	30	0
14,188	1977	5	28	18	45	0
14,189	1977	5	28	19	0	0
14,190	1977	5	28	19	15	0
14,191	1977	5	28	19	30	0
14,192	1977	5	28	19	45	0
14,193	1977	5	28	20	0	0
14,194	1977	5	28	20	15	0
14,195	1977	5	28	20	30	0
14,196	1977	5	28	20	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
14,197	1977	5	28	21	0	0
14,198	1977	5	28	21	15	0
14,199	1977	5	28	21	30	0
14,200	1977	5	28	21	45	0
14,201	1977	5	28	22	0	0
14,202	1977	5	28	22	15	0
14,203	1977	5	28	22	30	0
14,204	1977	5	28	22	45	0
14,205	1977	5	28	23	0	0
14,206	1977	5	28	23	15	0
14,207	1977	5	28	23	30	0
14,208	1977	5	28	23	45	0
14,209	1977	5	29	0	0	0
14,210	1977	5	29	0	15	0
14,211	1977	5	29	0	30	0
14,212	1977	5	29	0	45	0
14,213	1977	5	29	1	0	0
14,214	1977	5	29	1	15	0
14,215	1977	5	29	1	30	0
14,216	1977	5	29	1	45	0
14,217	1977	5	29	2	0	0
14,218	1977	5	29	2	15	0
14,219	1977	5	29	2	30	0
14,220	1977	5	29	2	45	0
14,221	1977	5	29	3	0	0
14,222	1977	5	29	3	15	0
14,223	1977	5	29	3	30	0
14,224	1977	5	29	3	45	0
14,225	1977	5	29	4	0	0
14,226	1977	5	29	4	15	0
14,227	1977	5	29	4	30	0
14,228	1977	5	29	4	45	0
14,229	1977	5	29	5	0	0
14,230	1977	5	29	5	15	0
14,231	1977	5	29	5	30	0
14,232	1977	5	29	5	45	0
14,233	1977	5	29	6	0	0
14,234	1977	5	29	6	15	0
14,235	1977	5	29	6	30	0
14,236	1977	5	29	6	45	0
14,237	1977	5	29	7	0	0
14,238	1977	5	29	7	15	0
14,239	1977	5	29	7	30	0
14,240	1977	5	29	7	45	0
14,241	1977	5	29	8	0	0
14,242	1977	5	29	8	15	0
14,243	1977	5	29	8	30	0
14,244	1977	5	29	8	45	0
14,245	1977	5	29	9	0	0
14,246	1977	5	29	9	15	0
14,247	1977	5	29	9	30	0
14,248	1977	5	29	9	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
14,249	1977	5	29	10	0	0
14,250	1977	5	29	10	15	0
14,251	1977	5	29	10	30	0
14,252	1977	5	29	10	45	0
14,253	1977	5	29	11	0	0
14,254	1977	5	29	11	15	0
14,255	1977	5	29	11	30	0
14,256	1977	5	29	11	45	0
14,257	1977	5	29	12	0	0
14,258	1977	5	29	12	15	0
14,259	1977	5	29	12	30	0
14,260	1977	5	29	12	45	0
14,261	1977	5	29	13	0	0
14,262	1977	5	29	13	15	0
14,263	1977	5	29	13	30	0
14,264	1977	5	29	13	45	0
14,265	1977	5	29	14	0	0
14,266	1977	5	29	14	15	0
14,267	1977	5	29	14	30	0
14,268	1977	5	29	14	45	0
14,269	1977	5	29	15	0	0
14,270	1977	5	29	15	15	0
14,271	1977	5	29	15	30	0
14,272	1977	5	29	15	45	0
14,273	1977	5	29	16	0	0
14,274	1977	5	29	16	15	0
14,275	1977	5	29	16	30	0
14,276	1977	5	29	16	45	0
14,277	1977	5	29	17	0	0
14,278	1977	5	29	17	15	0
14,279	1977	5	29	17	30	0
14,280	1977	5	29	17	45	0
14,281	1977	5	29	18	0	0
14,282	1977	5	29	18	15	0
14,283	1977	5	29	18	30	0
14,284	1977	5	29	18	45	0
14,285	1977	5	29	19	0	0
14,286	1977	5	29	19	15	0
14,287	1977	5	29	19	30	0
14,288	1977	5	29	19	45	0
14,289	1977	5	29	20	0	0
14,290	1977	5	29	20	15	0
14,291	1977	5	29	20	30	0
14,292	1977	5	29	20	45	0
14,293	1977	5	29	21	0	0
14,294	1977	5	29	21	15	0
14,295	1977	5	29	21	30	0
14,296	1977	5	29	21	45	0
14,297	1977	5	29	22	0	0
14,298	1977	5	29	22	15	0
14,299	1977	5	29	22	30	0
14,300	1977	5	29	22	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
14,301	1977	5	29	23	0	0
14,302	1977	5	29	23	15	0
14,303	1977	5	29	23	30	0
14,304	1977	5	29	23	45	0
14,305	1977	5	30	0	0	0
14,306	1977	5	30	0	15	0
14,307	1977	5	30	0	30	0
14,308	1977	5	30	0	45	0
14,309	1977	5	30	1	0	0
14,310	1977	5	30	1	15	0
14,311	1977	5	30	1	30	0
14,312	1977	5	30	1	45	0
14,313	1977	5	30	2	0	0
14,314	1977	5	30	2	15	0
14,315	1977	5	30	2	30	0
14,316	1977	5	30	2	45	0
14,317	1977	5	30	3	0	0
14,318	1977	5	30	3	15	0
14,319	1977	5	30	3	30	0
14,320	1977	5	30	3	45	0
14,321	1977	5	30	4	0	0
14,322	1977	5	30	4	15	0
14,323	1977	5	30	4	30	0
14,324	1977	5	30	4	45	0
14,325	1977	5	30	5	0	0
14,326	1977	5	30	5	15	0
14,327	1977	5	30	5	30	0
14,328	1977	5	30	5	45	0
14,329	1977	5	30	6	0	0
14,330	1977	5	30	6	15	0
14,331	1977	5	30	6	30	0
14,332	1977	5	30	6	45	0
14,333	1977	5	30	7	0	0
14,334	1977	5	30	7	15	0
14,335	1977	5	30	7	30	0
14,336	1977	5	30	7	45	0
14,337	1977	5	30	8	0	0
14,338	1977	5	30	8	15	0
14,339	1977	5	30	8	30	0
14,340	1977	5	30	8	45	0
14,341	1977	5	30	9	0	0
14,342	1977	5	30	9	15	0
14,343	1977	5	30	9	30	0
14,344	1977	5	30	9	45	0
14,345	1977	5	30	10	0	0
14,346	1977	5	30	10	15	0
14,347	1977	5	30	10	30	0
14,348	1977	5	30	10	45	0
14,349	1977	5	30	11	0	0
14,350	1977	5	30	11	15	0
14,351	1977	5	30	11	30	0
14,352	1977	5	30	11	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
14,353	1977	5	30	12	0	0
14,354	1977	5	30	12	15	0
14,355	1977	5	30	12	30	0
14,356	1977	5	30	12	45	0
14,357	1977	5	30	13	0	0
14,358	1977	5	30	13	15	0
14,359	1977	5	30	13	30	0
14,360	1977	5	30	13	45	0
14,361	1977	5	30	14	0	0
14,362	1977	5	30	14	15	0
14,363	1977	5	30	14	30	0
14,364	1977	5	30	14	45	0
14,365	1977	5	30	15	0	0
14,366	1977	5	30	15	15	0
14,367	1977	5	30	15	30	0
14,368	1977	5	30	15	45	0
14,369	1977	5	30	16	0	0
14,370	1977	5	30	16	15	0
14,371	1977	5	30	16	30	0
14,372	1977	5	30	16	45	0
14,373	1977	5	30	17	0	0
14,374	1977	5	30	17	15	0
14,375	1977	5	30	17	30	0
14,376	1977	5	30	17	45	0
14,377	1977	5	30	18	0	0
14,378	1977	5	30	18	15	0
14,379	1977	5	30	18	30	0
14,380	1977	5	30	18	45	0
14,381	1977	5	30	19	0	0
14,382	1977	5	30	19	15	0
14,383	1977	5	30	19	30	0
14,384	1977	5	30	19	45	0
14,385	1977	5	30	20	0	0
14,386	1977	5	30	20	15	0
14,387	1977	5	30	20	30	0
14,388	1977	5	30	20	45	0
14,389	1977	5	30	21	0	0
14,390	1977	5	30	21	15	0
14,391	1977	5	30	21	30	0
14,392	1977	5	30	21	45	0
14,393	1977	5	30	22	0	0
14,394	1977	5	30	22	15	0
14,395	1977	5	30	22	30	0
14,396	1977	5	30	22	45	0
14,397	1977	5	30	23	0	0
14,398	1977	5	30	23	15	0
14,399	1977	5	30	23	30	0
14,400	1977	5	30	23	45	0
14,401	1977	5	31	0	0	0
14,402	1977	5	31	0	15	0
14,403	1977	5	31	0	30	0
14,404	1977	5	31	0	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
14,405	1977	5	31	1	0	0
14,406	1977	5	31	1	15	0
14,407	1977	5	31	1	30	0
14,408	1977	5	31	1	45	0
14,409	1977	5	31	2	0	0
14,410	1977	5	31	2	15	0
14,411	1977	5	31	2	30	0
14,412	1977	5	31	2	45	0
14,413	1977	5	31	3	0	0
14,414	1977	5	31	3	15	0
14,415	1977	5	31	3	30	0
14,416	1977	5	31	3	45	0
14,417	1977	5	31	4	0	0
14,418	1977	5	31	4	15	0
14,419	1977	5	31	4	30	0
14,420	1977	5	31	4	45	0
14,421	1977	5	31	5	0	0
14,422	1977	5	31	5	15	0
14,423	1977	5	31	5	30	0
14,424	1977	5	31	5	45	0
14,425	1977	5	31	6	0	0
14,426	1977	5	31	6	15	0
14,427	1977	5	31	6	30	0
14,428	1977	5	31	6	45	0
14,429	1977	5	31	7	0	0
14,430	1977	5	31	7	15	0
14,431	1977	5	31	7	30	0
14,432	1977	5	31	7	45	0
14,433	1977	5	31	8	0	0
14,434	1977	5	31	8	15	0
14,435	1977	5	31	8	30	0
14,436	1977	5	31	8	45	0
14,437	1977	5	31	9	0	0
14,438	1977	5	31	9	15	0
14,439	1977	5	31	9	30	0
14,440	1977	5	31	9	45	0
14,441	1977	5	31	10	0	0
14,442	1977	5	31	10	15	0
14,443	1977	5	31	10	30	0
14,444	1977	5	31	10	45	0
14,445	1977	5	31	11	0	0
14,446	1977	5	31	11	15	0
14,447	1977	5	31	11	30	0
14,448	1977	5	31	11	45	0
14,449	1977	5	31	12	0	0
14,450	1977	5	31	12	15	0
14,451	1977	5	31	12	30	0
14,452	1977	5	31	12	45	0
14,453	1977	5	31	13	0	0
14,454	1977	5	31	13	15	0
14,455	1977	5	31	13	30	0
14,456	1977	5	31	13	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
14,457	1977	5	31	14	0	0
14,458	1977	5	31	14	15	0
14,459	1977	5	31	14	30	0
14,460	1977	5	31	14	45	0
14,461	1977	5	31	15	0	0
14,462	1977	5	31	15	15	0
14,463	1977	5	31	15	30	0
14,464	1977	5	31	15	45	0
14,465	1977	5	31	16	0	0
14,466	1977	5	31	16	15	0
14,467	1977	5	31	16	30	0
14,468	1977	5	31	16	45	0
14,469	1977	5	31	17	0	0
14,470	1977	5	31	17	15	0
14,471	1977	5	31	17	30	0
14,472	1977	5	31	17	45	0
14,473	1977	5	31	18	0	0
14,474	1977	5	31	18	15	0
14,475	1977	5	31	18	30	0
14,476	1977	5	31	18	45	0
14,477	1977	5	31	19	0	0
14,478	1977	5	31	19	15	0
14,479	1977	5	31	19	30	0
14,480	1977	5	31	19	45	0
14,481	1977	5	31	20	0	0
14,482	1977	5	31	20	15	0
14,483	1977	5	31	20	30	0
14,484	1977	5	31	20	45	0
14,485	1977	5	31	21	0	0.055
14,486	1977	5	31	21	15	0.055
14,487	1977	5	31	21	30	0.055
14,488	1977	5	31	21	45	0.055
14,489	1977	5	31	22	0	0
14,490	1977	5	31	22	15	0
14,491	1977	5	31	22	30	0
14,492	1977	5	31	22	45	0
14,493	1977	5	31	23	0	0
14,494	1977	5	31	23	15	0
14,495	1977	5	31	23	30	0
14,496	1977	5	31	23	45	0
14,497	1977	6	1	0	0	0
14,498	1977	6	1	0	15	0
14,499	1977	6	1	0	30	0
14,500	1977	6	1	0	45	0
14,501	1977	6	1	1	0	0
14,502	1977	6	1	1	15	0
14,503	1977	6	1	1	30	0
14,504	1977	6	1	1	45	0
14,505	1977	6	1	2	0	0
14,506	1977	6	1	2	15	0
14,507	1977	6	1	2	30	0
14,508	1977	6	1	2	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
14,509	1977	6	1	3	0	0
14,510	1977	6	1	3	15	0
14,511	1977	6	1	3	30	0
14,512	1977	6	1	3	45	0
14,513	1977	6	1	4	0	0
14,514	1977	6	1	4	15	0
14,515	1977	6	1	4	30	0
14,516	1977	6	1	4	45	0
14,517	1977	6	1	5	0	0
14,518	1977	6	1	5	15	0
14,519	1977	6	1	5	30	0
14,520	1977	6	1	5	45	0
14,521	1977	6	1	6	0	0
14,522	1977	6	1	6	15	0
14,523	1977	6	1	6	30	0
14,524	1977	6	1	6	45	0
14,525	1977	6	1	7	0	0
14,526	1977	6	1	7	15	0
14,527	1977	6	1	7	30	0
14,528	1977	6	1	7	45	0
14,529	1977	6	1	8	0	0
14,530	1977	6	1	8	15	0
14,531	1977	6	1	8	30	0
14,532	1977	6	1	8	45	0
14,533	1977	6	1	9	0	0
14,534	1977	6	1	9	15	0
14,535	1977	6	1	9	30	0
14,536	1977	6	1	9	45	0
14,537	1977	6	1	10	0	0
14,538	1977	6	1	10	15	0
14,539	1977	6	1	10	30	0
14,540	1977	6	1	10	45	0
14,541	1977	6	1	11	0	0
14,542	1977	6	1	11	15	0
14,543	1977	6	1	11	30	0
14,544	1977	6	1	11	45	0
14,545	1977	6	1	12	0	0
14,546	1977	6	1	12	15	0
14,547	1977	6	1	12	30	0
14,548	1977	6	1	12	45	0
14,549	1977	6	1	13	0	0
14,550	1977	6	1	13	15	0
14,551	1977	6	1	13	30	0
14,552	1977	6	1	13	45	0
14,553	1977	6	1	14	0	0
14,554	1977	6	1	14	15	0
14,555	1977	6	1	14	30	0
14,556	1977	6	1	14	45	0
14,557	1977	6	1	15	0	0
14,558	1977	6	1	15	15	0
14,559	1977	6	1	15	30	0
14,560	1977	6	1	15	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
14,561	1977	6	1	16	0	0
14,562	1977	6	1	16	15	0
14,563	1977	6	1	16	30	0
14,564	1977	6	1	16	45	0
14,565	1977	6	1	17	0	0
14,566	1977	6	1	17	15	0
14,567	1977	6	1	17	30	0
14,568	1977	6	1	17	45	0
14,569	1977	6	1	18	0	0
14,570	1977	6	1	18	15	0
14,571	1977	6	1	18	30	0
14,572	1977	6	1	18	45	0
14,573	1977	6	1	19	0	0
14,574	1977	6	1	19	15	0
14,575	1977	6	1	19	30	0
14,576	1977	6	1	19	45	0
14,577	1977	6	1	20	0	0
14,578	1977	6	1	20	15	0
14,579	1977	6	1	20	30	0
14,580	1977	6	1	20	45	0
14,581	1977	6	1	21	0	0
14,582	1977	6	1	21	15	0
14,583	1977	6	1	21	30	0
14,584	1977	6	1	21	45	0
14,585	1977	6	1	22	0	0
14,586	1977	6	1	22	15	0
14,587	1977	6	1	22	30	0
14,588	1977	6	1	22	45	0
14,589	1977	6	1	23	0	0
14,590	1977	6	1	23	15	0
14,591	1977	6	1	23	30	0
14,592	1977	6	1	23	45	0
14,593	1977	6	2	0	0	0
14,594	1977	6	2	0	15	0
14,595	1977	6	2	0	30	0
14,596	1977	6	2	0	45	0
14,597	1977	6	2	1	0	0
14,598	1977	6	2	1	15	0
14,599	1977	6	2	1	30	0
14,600	1977	6	2	1	45	0
14,601	1977	6	2	2	0	0
14,602	1977	6	2	2	15	0
14,603	1977	6	2	2	30	0
14,604	1977	6	2	2	45	0
14,605	1977	6	2	3	0	0
14,606	1977	6	2	3	15	0
14,607	1977	6	2	3	30	0
14,608	1977	6	2	3	45	0
14,609	1977	6	2	4	0	0
14,610	1977	6	2	4	15	0
14,611	1977	6	2	4	30	0
14,612	1977	6	2	4	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
14,613	1977	6	2	5	0	0
14,614	1977	6	2	5	15	0
14,615	1977	6	2	5	30	0
14,616	1977	6	2	5	45	0
14,617	1977	6	2	6	0	0
14,618	1977	6	2	6	15	0
14,619	1977	6	2	6	30	0
14,620	1977	6	2	6	45	0
14,621	1977	6	2	7	0	0
14,622	1977	6	2	7	15	0
14,623	1977	6	2	7	30	0
14,624	1977	6	2	7	45	0
14,625	1977	6	2	8	0	0
14,626	1977	6	2	8	15	0
14,627	1977	6	2	8	30	0
14,628	1977	6	2	8	45	0
14,629	1977	6	2	9	0	0
14,630	1977	6	2	9	15	0
14,631	1977	6	2	9	30	0
14,632	1977	6	2	9	45	0
14,633	1977	6	2	10	0	0
14,634	1977	6	2	10	15	0
14,635	1977	6	2	10	30	0
14,636	1977	6	2	10	45	0
14,637	1977	6	2	11	0	0
14,638	1977	6	2	11	15	0
14,639	1977	6	2	11	30	0
14,640	1977	6	2	11	45	0
14,641	1977	6	2	12	0	0.0025
14,642	1977	6	2	12	15	0.0025
14,643	1977	6	2	12	30	0.0025
14,644	1977	6	2	12	45	0.0025
14,645	1977	6	2	13	0	0.0025
14,646	1977	6	2	13	15	0.0025
14,647	1977	6	2	13	30	0.0025
14,648	1977	6	2	13	45	0.0025
14,649	1977	6	2	14	0	0
14,650	1977	6	2	14	15	0
14,651	1977	6	2	14	30	0
14,652	1977	6	2	14	45	0
14,653	1977	6	2	15	0	0
14,654	1977	6	2	15	15	0
14,655	1977	6	2	15	30	0
14,656	1977	6	2	15	45	0
14,657	1977	6	2	16	0	0
14,658	1977	6	2	16	15	0
14,659	1977	6	2	16	30	0
14,660	1977	6	2	16	45	0
14,661	1977	6	2	17	0	0
14,662	1977	6	2	17	15	0
14,663	1977	6	2	17	30	0
14,664	1977	6	2	17	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
14,665	1977	6	2	18	0	0
14,666	1977	6	2	18	15	0
14,667	1977	6	2	18	30	0
14,668	1977	6	2	18	45	0
14,669	1977	6	2	19	0	0
14,670	1977	6	2	19	15	0
14,671	1977	6	2	19	30	0
14,672	1977	6	2	19	45	0
14,673	1977	6	2	20	0	0
14,674	1977	6	2	20	15	0
14,675	1977	6	2	20	30	0
14,676	1977	6	2	20	45	0
14,677	1977	6	2	21	0	0
14,678	1977	6	2	21	15	0
14,679	1977	6	2	21	30	0
14,680	1977	6	2	21	45	0
14,681	1977	6	2	22	0	0
14,682	1977	6	2	22	15	0
14,683	1977	6	2	22	30	0
14,684	1977	6	2	22	45	0
14,685	1977	6	2	23	0	0
14,686	1977	6	2	23	15	0
14,687	1977	6	2	23	30	0
14,688	1977	6	2	23	45	0
14,689	1977	6	3	0	0	0
14,690	1977	6	3	0	15	0
14,691	1977	6	3	0	30	0
14,692	1977	6	3	0	45	0
14,693	1977	6	3	1	0	0
14,694	1977	6	3	1	15	0
14,695	1977	6	3	1	30	0
14,696	1977	6	3	1	45	0
14,697	1977	6	3	2	0	0
14,698	1977	6	3	2	15	0
14,699	1977	6	3	2	30	0
14,700	1977	6	3	2	45	0
14,701	1977	6	3	3	0	0
14,702	1977	6	3	3	15	0
14,703	1977	6	3	3	30	0
14,704	1977	6	3	3	45	0
14,705	1977	6	3	4	0	0
14,706	1977	6	3	4	15	0
14,707	1977	6	3	4	30	0
14,708	1977	6	3	4	45	0
14,709	1977	6	3	5	0	0
14,710	1977	6	3	5	15	0
14,711	1977	6	3	5	30	0
14,712	1977	6	3	5	45	0
14,713	1977	6	3	6	0	0
14,714	1977	6	3	6	15	0
14,715	1977	6	3	6	30	0
14,716	1977	6	3	6	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
14,717	1977	6	3	7	0	0
14,718	1977	6	3	7	15	0
14,719	1977	6	3	7	30	0
14,720	1977	6	3	7	45	0
14,721	1977	6	3	8	0	0
14,722	1977	6	3	8	15	0
14,723	1977	6	3	8	30	0
14,724	1977	6	3	8	45	0
14,725	1977	6	3	9	0	0
14,726	1977	6	3	9	15	0
14,727	1977	6	3	9	30	0
14,728	1977	6	3	9	45	0
14,729	1977	6	3	10	0	0
14,730	1977	6	3	10	15	0
14,731	1977	6	3	10	30	0
14,732	1977	6	3	10	45	0
14,733	1977	6	3	11	0	0
14,734	1977	6	3	11	15	0
14,735	1977	6	3	11	30	0
14,736	1977	6	3	11	45	0
14,737	1977	6	3	12	0	0
14,738	1977	6	3	12	15	0
14,739	1977	6	3	12	30	0
14,740	1977	6	3	12	45	0
14,741	1977	6	3	13	0	0
14,742	1977	6	3	13	15	0
14,743	1977	6	3	13	30	0
14,744	1977	6	3	13	45	0
14,745	1977	6	3	14	0	0
14,746	1977	6	3	14	15	0
14,747	1977	6	3	14	30	0
14,748	1977	6	3	14	45	0
14,749	1977	6	3	15	0	0
14,750	1977	6	3	15	15	0
14,751	1977	6	3	15	30	0
14,752	1977	6	3	15	45	0
14,753	1977	6	3	16	0	0
14,754	1977	6	3	16	15	0
14,755	1977	6	3	16	30	0
14,756	1977	6	3	16	45	0
14,757	1977	6	3	17	0	0
14,758	1977	6	3	17	15	0
14,759	1977	6	3	17	30	0
14,760	1977	6	3	17	45	0
14,761	1977	6	3	18	0	0
14,762	1977	6	3	18	15	0
14,763	1977	6	3	18	30	0
14,764	1977	6	3	18	45	0
14,765	1977	6	3	19	0	0
14,766	1977	6	3	19	15	0
14,767	1977	6	3	19	30	0
14,768	1977	6	3	19	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
14,769	1977	6	3	20	0	0
14,770	1977	6	3	20	15	0
14,771	1977	6	3	20	30	0
14,772	1977	6	3	20	45	0
14,773	1977	6	3	21	0	0
14,774	1977	6	3	21	15	0
14,775	1977	6	3	21	30	0
14,776	1977	6	3	21	45	0
14,777	1977	6	3	22	0	0
14,778	1977	6	3	22	15	0
14,779	1977	6	3	22	30	0
14,780	1977	6	3	22	45	0
14,781	1977	6	3	23	0	0
14,782	1977	6	3	23	15	0
14,783	1977	6	3	23	30	0
14,784	1977	6	3	23	45	0
14,785	1977	6	4	0	0	0
14,786	1977	6	4	0	15	0
14,787	1977	6	4	0	30	0
14,788	1977	6	4	0	45	0
14,789	1977	6	4	1	0	0
14,790	1977	6	4	1	15	0
14,791	1977	6	4	1	30	0
14,792	1977	6	4	1	45	0
14,793	1977	6	4	2	0	0
14,794	1977	6	4	2	15	0
14,795	1977	6	4	2	30	0
14,796	1977	6	4	2	45	0
14,797	1977	6	4	3	0	0
14,798	1977	6	4	3	15	0
14,799	1977	6	4	3	30	0
14,800	1977	6	4	3	45	0
14,801	1977	6	4	4	0	0
14,802	1977	6	4	4	15	0
14,803	1977	6	4	4	30	0
14,804	1977	6	4	4	45	0
14,805	1977	6	4	5	0	0
14,806	1977	6	4	5	15	0
14,807	1977	6	4	5	30	0
14,808	1977	6	4	5	45	0
14,809	1977	6	4	6	0	0
14,810	1977	6	4	6	15	0
14,811	1977	6	4	6	30	0
14,812	1977	6	4	6	45	0
14,813	1977	6	4	7	0	0
14,814	1977	6	4	7	15	0
14,815	1977	6	4	7	30	0
14,816	1977	6	4	7	45	0
14,817	1977	6	4	8	0	0
14,818	1977	6	4	8	15	0
14,819	1977	6	4	8	30	0
14,820	1977	6	4	8	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
14,821	1977	6	4	9	0	0
14,822	1977	6	4	9	15	0
14,823	1977	6	4	9	30	0
14,824	1977	6	4	9	45	0
14,825	1977	6	4	10	0	0
14,826	1977	6	4	10	15	0
14,827	1977	6	4	10	30	0
14,828	1977	6	4	10	45	0
14,829	1977	6	4	11	0	0
14,830	1977	6	4	11	15	0
14,831	1977	6	4	11	30	0
14,832	1977	6	4	11	45	0
14,833	1977	6	4	12	0	0
14,834	1977	6	4	12	15	0
14,835	1977	6	4	12	30	0
14,836	1977	6	4	12	45	0
14,837	1977	6	4	13	0	0
14,838	1977	6	4	13	15	0
14,839	1977	6	4	13	30	0
14,840	1977	6	4	13	45	0
14,841	1977	6	4	14	0	0
14,842	1977	6	4	14	15	0
14,843	1977	6	4	14	30	0
14,844	1977	6	4	14	45	0
14,845	1977	6	4	15	0	0
14,846	1977	6	4	15	15	0
14,847	1977	6	4	15	30	0
14,848	1977	6	4	15	45	0
14,849	1977	6	4	16	0	0
14,850	1977	6	4	16	15	0
14,851	1977	6	4	16	30	0
14,852	1977	6	4	16	45	0
14,853	1977	6	4	17	0	0
14,854	1977	6	4	17	15	0
14,855	1977	6	4	17	30	0
14,856	1977	6	4	17	45	0
14,857	1977	6	4	18	0	0
14,858	1977	6	4	18	15	0
14,859	1977	6	4	18	30	0
14,860	1977	6	4	18	45	0
14,861	1977	6	4	19	0	0
14,862	1977	6	4	19	15	0
14,863	1977	6	4	19	30	0
14,864	1977	6	4	19	45	0
14,865	1977	6	4	20	0	0
14,866	1977	6	4	20	15	0
14,867	1977	6	4	20	30	0
14,868	1977	6	4	20	45	0
14,869	1977	6	4	21	0	0
14,870	1977	6	4	21	15	0
14,871	1977	6	4	21	30	0
14,872	1977	6	4	21	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
14,873	1977	6	4	22	0	0
14,874	1977	6	4	22	15	0
14,875	1977	6	4	22	30	0
14,876	1977	6	4	22	45	0
14,877	1977	6	4	23	0	0
14,878	1977	6	4	23	15	0
14,879	1977	6	4	23	30	0
14,880	1977	6	4	23	45	0
14,881	1977	6	5	0	0	0
14,882	1977	6	5	0	15	0
14,883	1977	6	5	0	30	0
14,884	1977	6	5	0	45	0
14,885	1977	6	5	1	0	0
14,886	1977	6	5	1	15	0
14,887	1977	6	5	1	30	0
14,888	1977	6	5	1	45	0
14,889	1977	6	5	2	0	0
14,890	1977	6	5	2	15	0
14,891	1977	6	5	2	30	0
14,892	1977	6	5	2	45	0
14,893	1977	6	5	3	0	0.0025
14,894	1977	6	5	3	15	0.0025
14,895	1977	6	5	3	30	0.0025
14,896	1977	6	5	3	45	0.0025
14,897	1977	6	5	4	0	0
14,898	1977	6	5	4	15	0
14,899	1977	6	5	4	30	0
14,900	1977	6	5	4	45	0
14,901	1977	6	5	5	0	0
14,902	1977	6	5	5	15	0
14,903	1977	6	5	5	30	0
14,904	1977	6	5	5	45	0
14,905	1977	6	5	6	0	0.005
14,906	1977	6	5	6	15	0.005
14,907	1977	6	5	6	30	0.005
14,908	1977	6	5	6	45	0.005
14,909	1977	6	5	7	0	0
14,910	1977	6	5	7	15	0
14,911	1977	6	5	7	30	0
14,912	1977	6	5	7	45	0
14,913	1977	6	5	8	0	0
14,914	1977	6	5	8	15	0
14,915	1977	6	5	8	30	0
14,916	1977	6	5	8	45	0
14,917	1977	6	5	9	0	0.0025
14,918	1977	6	5	9	15	0.0025
14,919	1977	6	5	9	30	0.0025
14,920	1977	6	5	9	45	0.0025
14,921	1977	6	5	10	0	0
14,922	1977	6	5	10	15	0
14,923	1977	6	5	10	30	0
14,924	1977	6	5	10	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
14,925	1977	6	5	11	0	0.015
14,926	1977	6	5	11	15	0.015
14,927	1977	6	5	11	30	0.015
14,928	1977	6	5	11	45	0.015
14,929	1977	6	5	12	0	0.01
14,930	1977	6	5	12	15	0.01
14,931	1977	6	5	12	30	0.01
14,932	1977	6	5	12	45	0.01
14,933	1977	6	5	13	0	0
14,934	1977	6	5	13	15	0
14,935	1977	6	5	13	30	0
14,936	1977	6	5	13	45	0
14,937	1977	6	5	14	0	0
14,938	1977	6	5	14	15	0
14,939	1977	6	5	14	30	0
14,940	1977	6	5	14	45	0
14,941	1977	6	5	15	0	0
14,942	1977	6	5	15	15	0
14,943	1977	6	5	15	30	0
14,944	1977	6	5	15	45	0
14,945	1977	6	5	16	0	0
14,946	1977	6	5	16	15	0
14,947	1977	6	5	16	30	0
14,948	1977	6	5	16	45	0
14,949	1977	6	5	17	0	0
14,950	1977	6	5	17	15	0
14,951	1977	6	5	17	30	0
14,952	1977	6	5	17	45	0
14,953	1977	6	5	18	0	0
14,954	1977	6	5	18	15	0
14,955	1977	6	5	18	30	0
14,956	1977	6	5	18	45	0
14,957	1977	6	5	19	0	0
14,958	1977	6	5	19	15	0
14,959	1977	6	5	19	30	0
14,960	1977	6	5	19	45	0
14,961	1977	6	5	20	0	0
14,962	1977	6	5	20	15	0
14,963	1977	6	5	20	30	0
14,964	1977	6	5	20	45	0
14,965	1977	6	5	21	0	0
14,966	1977	6	5	21	15	0
14,967	1977	6	5	21	30	0
14,968	1977	6	5	21	45	0
14,969	1977	6	5	22	0	0
14,970	1977	6	5	22	15	0
14,971	1977	6	5	22	30	0
14,972	1977	6	5	22	45	0
14,973	1977	6	5	23	0	0
14,974	1977	6	5	23	15	0
14,975	1977	6	5	23	30	0
14,976	1977	6	5	23	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
14,977	1977	6	6	0	0	0
14,978	1977	6	6	0	15	0
14,979	1977	6	6	0	30	0
14,980	1977	6	6	0	45	0
14,981	1977	6	6	1	0	0.0075
14,982	1977	6	6	1	15	0.0075
14,983	1977	6	6	1	30	0.0075
14,984	1977	6	6	1	45	0.0075
14,985	1977	6	6	2	0	0
14,986	1977	6	6	2	15	0
14,987	1977	6	6	2	30	0
14,988	1977	6	6	2	45	0
14,989	1977	6	6	3	0	0
14,990	1977	6	6	3	15	0
14,991	1977	6	6	3	30	0
14,992	1977	6	6	3	45	0
14,993	1977	6	6	4	0	0
14,994	1977	6	6	4	15	0
14,995	1977	6	6	4	30	0
14,996	1977	6	6	4	45	0
14,997	1977	6	6	5	0	0
14,998	1977	6	6	5	15	0
14,999	1977	6	6	5	30	0
15,000	1977	6	6	5	45	0
15,001	1977	6	6	6	0	0
15,002	1977	6	6	6	15	0
15,003	1977	6	6	6	30	0
15,004	1977	6	6	6	45	0
15,005	1977	6	6	7	0	0.0025
15,006	1977	6	6	7	15	0.0025
15,007	1977	6	6	7	30	0.0025
15,008	1977	6	6	7	45	0.0025
15,009	1977	6	6	8	0	0
15,010	1977	6	6	8	15	0
15,011	1977	6	6	8	30	0
15,012	1977	6	6	8	45	0
15,013	1977	6	6	9	0	0
15,014	1977	6	6	9	15	0
15,015	1977	6	6	9	30	0
15,016	1977	6	6	9	45	0
15,017	1977	6	6	10	0	0
15,018	1977	6	6	10	15	0
15,019	1977	6	6	10	30	0
15,020	1977	6	6	10	45	0
15,021	1977	6	6	11	0	0
15,022	1977	6	6	11	15	0
15,023	1977	6	6	11	30	0
15,024	1977	6	6	11	45	0
15,025	1977	6	6	12	0	0
15,026	1977	6	6	12	15	0
15,027	1977	6	6	12	30	0
15,028	1977	6	6	12	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
15,029	1977	6	6	13	0	0
15,030	1977	6	6	13	15	0
15,031	1977	6	6	13	30	0
15,032	1977	6	6	13	45	0
15,033	1977	6	6	14	0	0
15,034	1977	6	6	14	15	0
15,035	1977	6	6	14	30	0
15,036	1977	6	6	14	45	0
15,037	1977	6	6	15	0	0
15,038	1977	6	6	15	15	0
15,039	1977	6	6	15	30	0
15,040	1977	6	6	15	45	0
15,041	1977	6	6	16	0	0
15,042	1977	6	6	16	15	0
15,043	1977	6	6	16	30	0
15,044	1977	6	6	16	45	0
15,045	1977	6	6	17	0	0.0025
15,046	1977	6	6	17	15	0.0025
15,047	1977	6	6	17	30	0.0025
15,048	1977	6	6	17	45	0.0025
15,049	1977	6	6	18	0	0
15,050	1977	6	6	18	15	0
15,051	1977	6	6	18	30	0
15,052	1977	6	6	18	45	0
15,053	1977	6	6	19	0	0
15,054	1977	6	6	19	15	0
15,055	1977	6	6	19	30	0
15,056	1977	6	6	19	45	0
15,057	1977	6	6	20	0	0
15,058	1977	6	6	20	15	0
15,059	1977	6	6	20	30	0
15,060	1977	6	6	20	45	0
15,061	1977	6	6	21	0	0
15,062	1977	6	6	21	15	0
15,063	1977	6	6	21	30	0
15,064	1977	6	6	21	45	0
15,065	1977	6	6	22	0	0
15,066	1977	6	6	22	15	0
15,067	1977	6	6	22	30	0
15,068	1977	6	6	22	45	0
15,069	1977	6	6	23	0	0
15,070	1977	6	6	23	15	0
15,071	1977	6	6	23	30	0
15,072	1977	6	6	23	45	0
15,073	1977	6	7	0	0	0
15,074	1977	6	7	0	15	0
15,075	1977	6	7	0	30	0
15,076	1977	6	7	0	45	0
15,077	1977	6	7	1	0	0
15,078	1977	6	7	1	15	0
15,079	1977	6	7	1	30	0
15,080	1977	6	7	1	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
15,081	1977	6	7	2	0	0
15,082	1977	6	7	2	15	0
15,083	1977	6	7	2	30	0
15,084	1977	6	7	2	45	0
15,085	1977	6	7	3	0	0
15,086	1977	6	7	3	15	0
15,087	1977	6	7	3	30	0
15,088	1977	6	7	3	45	0
15,089	1977	6	7	4	0	0
15,090	1977	6	7	4	15	0
15,091	1977	6	7	4	30	0
15,092	1977	6	7	4	45	0
15,093	1977	6	7	5	0	0
15,094	1977	6	7	5	15	0
15,095	1977	6	7	5	30	0
15,096	1977	6	7	5	45	0
15,097	1977	6	7	6	0	0
15,098	1977	6	7	6	15	0
15,099	1977	6	7	6	30	0
15,100	1977	6	7	6	45	0
15,101	1977	6	7	7	0	0
15,102	1977	6	7	7	15	0
15,103	1977	6	7	7	30	0
15,104	1977	6	7	7	45	0
15,105	1977	6	7	8	0	0
15,106	1977	6	7	8	15	0
15,107	1977	6	7	8	30	0
15,108	1977	6	7	8	45	0
15,109	1977	6	7	9	0	0
15,110	1977	6	7	9	15	0
15,111	1977	6	7	9	30	0
15,112	1977	6	7	9	45	0
15,113	1977	6	7	10	0	0
15,114	1977	6	7	10	15	0
15,115	1977	6	7	10	30	0
15,116	1977	6	7	10	45	0
15,117	1977	6	7	11	0	0
15,118	1977	6	7	11	15	0
15,119	1977	6	7	11	30	0
15,120	1977	6	7	11	45	0
15,121	1977	6	7	12	0	0
15,122	1977	6	7	12	15	0
15,123	1977	6	7	12	30	0
15,124	1977	6	7	12	45	0
15,125	1977	6	7	13	0	0
15,126	1977	6	7	13	15	0
15,127	1977	6	7	13	30	0
15,128	1977	6	7	13	45	0
15,129	1977	6	7	14	0	0
15,130	1977	6	7	14	15	0
15,131	1977	6	7	14	30	0
15,132	1977	6	7	14	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
15,133	1977	6	7	15	0	0
15,134	1977	6	7	15	15	0
15,135	1977	6	7	15	30	0
15,136	1977	6	7	15	45	0
15,137	1977	6	7	16	0	0
15,138	1977	6	7	16	15	0
15,139	1977	6	7	16	30	0
15,140	1977	6	7	16	45	0
15,141	1977	6	7	17	0	0
15,142	1977	6	7	17	15	0
15,143	1977	6	7	17	30	0
15,144	1977	6	7	17	45	0
15,145	1977	6	7	18	0	0
15,146	1977	6	7	18	15	0
15,147	1977	6	7	18	30	0
15,148	1977	6	7	18	45	0
15,149	1977	6	7	19	0	0
15,150	1977	6	7	19	15	0
15,151	1977	6	7	19	30	0
15,152	1977	6	7	19	45	0
15,153	1977	6	7	20	0	0
15,154	1977	6	7	20	15	0
15,155	1977	6	7	20	30	0
15,156	1977	6	7	20	45	0
15,157	1977	6	7	21	0	0
15,158	1977	6	7	21	15	0
15,159	1977	6	7	21	30	0
15,160	1977	6	7	21	45	0
15,161	1977	6	7	22	0	0
15,162	1977	6	7	22	15	0
15,163	1977	6	7	22	30	0
15,164	1977	6	7	22	45	0
15,165	1977	6	7	23	0	0
15,166	1977	6	7	23	15	0
15,167	1977	6	7	23	30	0
15,168	1977	6	7	23	45	0
15,169	1977	6	8	0	0	0
15,170	1977	6	8	0	15	0
15,171	1977	6	8	0	30	0
15,172	1977	6	8	0	45	0
15,173	1977	6	8	1	0	0
15,174	1977	6	8	1	15	0
15,175	1977	6	8	1	30	0
15,176	1977	6	8	1	45	0
15,177	1977	6	8	2	0	0
15,178	1977	6	8	2	15	0
15,179	1977	6	8	2	30	0
15,180	1977	6	8	2	45	0
15,181	1977	6	8	3	0	0
15,182	1977	6	8	3	15	0
15,183	1977	6	8	3	30	0
15,184	1977	6	8	3	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
15,185	1977	6	8	4	0	0
15,186	1977	6	8	4	15	0
15,187	1977	6	8	4	30	0
15,188	1977	6	8	4	45	0
15,189	1977	6	8	5	0	0
15,190	1977	6	8	5	15	0
15,191	1977	6	8	5	30	0
15,192	1977	6	8	5	45	0
15,193	1977	6	8	6	0	0
15,194	1977	6	8	6	15	0
15,195	1977	6	8	6	30	0
15,196	1977	6	8	6	45	0
15,197	1977	6	8	7	0	0
15,198	1977	6	8	7	15	0
15,199	1977	6	8	7	30	0
15,200	1977	6	8	7	45	0
15,201	1977	6	8	8	0	0
15,202	1977	6	8	8	15	0
15,203	1977	6	8	8	30	0
15,204	1977	6	8	8	45	0
15,205	1977	6	8	9	0	0
15,206	1977	6	8	9	15	0
15,207	1977	6	8	9	30	0
15,208	1977	6	8	9	45	0
15,209	1977	6	8	10	0	0
15,210	1977	6	8	10	15	0
15,211	1977	6	8	10	30	0
15,212	1977	6	8	10	45	0
15,213	1977	6	8	11	0	0
15,214	1977	6	8	11	15	0
15,215	1977	6	8	11	30	0
15,216	1977	6	8	11	45	0
15,217	1977	6	8	12	0	0
15,218	1977	6	8	12	15	0
15,219	1977	6	8	12	30	0
15,220	1977	6	8	12	45	0
15,221	1977	6	8	13	0	0
15,222	1977	6	8	13	15	0
15,223	1977	6	8	13	30	0
15,224	1977	6	8	13	45	0
15,225	1977	6	8	14	0	0
15,226	1977	6	8	14	15	0
15,227	1977	6	8	14	30	0
15,228	1977	6	8	14	45	0
15,229	1977	6	8	15	0	0
15,230	1977	6	8	15	15	0
15,231	1977	6	8	15	30	0
15,232	1977	6	8	15	45	0
15,233	1977	6	8	16	0	0
15,234	1977	6	8	16	15	0
15,235	1977	6	8	16	30	0
15,236	1977	6	8	16	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
15,237	1977	6	8	17	0	0
15,238	1977	6	8	17	15	0
15,239	1977	6	8	17	30	0
15,240	1977	6	8	17	45	0
15,241	1977	6	8	18	0	0
15,242	1977	6	8	18	15	0
15,243	1977	6	8	18	30	0
15,244	1977	6	8	18	45	0
15,245	1977	6	8	19	0	0
15,246	1977	6	8	19	15	0
15,247	1977	6	8	19	30	0
15,248	1977	6	8	19	45	0
15,249	1977	6	8	20	0	0
15,250	1977	6	8	20	15	0
15,251	1977	6	8	20	30	0
15,252	1977	6	8	20	45	0
15,253	1977	6	8	21	0	0
15,254	1977	6	8	21	15	0
15,255	1977	6	8	21	30	0
15,256	1977	6	8	21	45	0
15,257	1977	6	8	22	0	0
15,258	1977	6	8	22	15	0
15,259	1977	6	8	22	30	0
15,260	1977	6	8	22	45	0
15,261	1977	6	8	23	0	0
15,262	1977	6	8	23	15	0
15,263	1977	6	8	23	30	0
15,264	1977	6	8	23	45	0
15,265	1977	6	9	0	0	0.005
15,266	1977	6	9	0	15	0.005
15,267	1977	6	9	0	30	0.005
15,268	1977	6	9	0	45	0.005
15,269	1977	6	9	1	0	0.0175
15,270	1977	6	9	1	15	0.0175
15,271	1977	6	9	1	30	0.0175
15,272	1977	6	9	1	45	0.0175
15,273	1977	6	9	2	0	0.04
15,274	1977	6	9	2	15	0.04
15,275	1977	6	9	2	30	0.04
15,276	1977	6	9	2	45	0.04
15,277	1977	6	9	3	0	0.0625
15,278	1977	6	9	3	15	0.0625
15,279	1977	6	9	3	30	0.0625
15,280	1977	6	9	3	45	0.0625
15,281	1977	6	9	4	0	0.0225
15,282	1977	6	9	4	15	0.0225
15,283	1977	6	9	4	30	0.0225
15,284	1977	6	9	4	45	0.0225
15,285	1977	6	9	5	0	0.0175
15,286	1977	6	9	5	15	0.0175
15,287	1977	6	9	5	30	0.0175
15,288	1977	6	9	5	45	0.0175

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
15,289	1977	6	9	6	0	0.005
15,290	1977	6	9	6	15	0.005
15,291	1977	6	9	6	30	0.005
15,292	1977	6	9	6	45	0.005
15,293	1977	6	9	7	0	0.0075
15,294	1977	6	9	7	15	0.0075
15,295	1977	6	9	7	30	0.0075
15,296	1977	6	9	7	45	0.0075
15,297	1977	6	9	8	0	0.005
15,298	1977	6	9	8	15	0.005
15,299	1977	6	9	8	30	0.005
15,300	1977	6	9	8	45	0.005
15,301	1977	6	9	9	0	0
15,302	1977	6	9	9	15	0
15,303	1977	6	9	9	30	0
15,304	1977	6	9	9	45	0
15,305	1977	6	9	10	0	0
15,306	1977	6	9	10	15	0
15,307	1977	6	9	10	30	0
15,308	1977	6	9	10	45	0
15,309	1977	6	9	11	0	0
15,310	1977	6	9	11	15	0
15,311	1977	6	9	11	30	0
15,312	1977	6	9	11	45	0
15,313	1977	6	9	12	0	0
15,314	1977	6	9	12	15	0
15,315	1977	6	9	12	30	0
15,316	1977	6	9	12	45	0
15,317	1977	6	9	13	0	0
15,318	1977	6	9	13	15	0
15,319	1977	6	9	13	30	0
15,320	1977	6	9	13	45	0
15,321	1977	6	9	14	0	0
15,322	1977	6	9	14	15	0
15,323	1977	6	9	14	30	0
15,324	1977	6	9	14	45	0
15,325	1977	6	9	15	0	0
15,326	1977	6	9	15	15	0
15,327	1977	6	9	15	30	0
15,328	1977	6	9	15	45	0
15,329	1977	6	9	16	0	0
15,330	1977	6	9	16	15	0
15,331	1977	6	9	16	30	0
15,332	1977	6	9	16	45	0
15,333	1977	6	9	17	0	0
15,334	1977	6	9	17	15	0
15,335	1977	6	9	17	30	0
15,336	1977	6	9	17	45	0
15,337	1977	6	9	18	0	0
15,338	1977	6	9	18	15	0
15,339	1977	6	9	18	30	0
15,340	1977	6	9	18	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
15,341	1977	6	9	19	0	0
15,342	1977	6	9	19	15	0
15,343	1977	6	9	19	30	0
15,344	1977	6	9	19	45	0
15,345	1977	6	9	20	0	0
15,346	1977	6	9	20	15	0
15,347	1977	6	9	20	30	0
15,348	1977	6	9	20	45	0
15,349	1977	6	9	21	0	0
15,350	1977	6	9	21	15	0
15,351	1977	6	9	21	30	0
15,352	1977	6	9	21	45	0
15,353	1977	6	9	22	0	0
15,354	1977	6	9	22	15	0
15,355	1977	6	9	22	30	0
15,356	1977	6	9	22	45	0
15,357	1977	6	9	23	0	0
15,358	1977	6	9	23	15	0
15,359	1977	6	9	23	30	0
15,360	1977	6	9	23	45	0
15,361	1977	6	10	0	0	0
15,362	1977	6	10	0	15	0
15,363	1977	6	10	0	30	0
15,364	1977	6	10	0	45	0
15,365	1977	6	10	1	0	0
15,366	1977	6	10	1	15	0
15,367	1977	6	10	1	30	0
15,368	1977	6	10	1	45	0
15,369	1977	6	10	2	0	0
15,370	1977	6	10	2	15	0
15,371	1977	6	10	2	30	0
15,372	1977	6	10	2	45	0
15,373	1977	6	10	3	0	0
15,374	1977	6	10	3	15	0
15,375	1977	6	10	3	30	0
15,376	1977	6	10	3	45	0
15,377	1977	6	10	4	0	0
15,378	1977	6	10	4	15	0
15,379	1977	6	10	4	30	0
15,380	1977	6	10	4	45	0
15,381	1977	6	10	5	0	0
15,382	1977	6	10	5	15	0
15,383	1977	6	10	5	30	0
15,384	1977	6	10	5	45	0
15,385	1977	6	10	6	0	0
15,386	1977	6	10	6	15	0
15,387	1977	6	10	6	30	0
15,388	1977	6	10	6	45	0
15,389	1977	6	10	7	0	0
15,390	1977	6	10	7	15	0
15,391	1977	6	10	7	30	0
15,392	1977	6	10	7	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
15,393	1977	6	10	8	0	0
15,394	1977	6	10	8	15	0
15,395	1977	6	10	8	30	0
15,396	1977	6	10	8	45	0
15,397	1977	6	10	9	0	0
15,398	1977	6	10	9	15	0
15,399	1977	6	10	9	30	0
15,400	1977	6	10	9	45	0
15,401	1977	6	10	10	0	0
15,402	1977	6	10	10	15	0
15,403	1977	6	10	10	30	0
15,404	1977	6	10	10	45	0
15,405	1977	6	10	11	0	0
15,406	1977	6	10	11	15	0
15,407	1977	6	10	11	30	0
15,408	1977	6	10	11	45	0
15,409	1977	6	10	12	0	0
15,410	1977	6	10	12	15	0
15,411	1977	6	10	12	30	0
15,412	1977	6	10	12	45	0
15,413	1977	6	10	13	0	0
15,414	1977	6	10	13	15	0
15,415	1977	6	10	13	30	0
15,416	1977	6	10	13	45	0
15,417	1977	6	10	14	0	0
15,418	1977	6	10	14	15	0
15,419	1977	6	10	14	30	0
15,420	1977	6	10	14	45	0
15,421	1977	6	10	15	0	0
15,422	1977	6	10	15	15	0
15,423	1977	6	10	15	30	0
15,424	1977	6	10	15	45	0
15,425	1977	6	10	16	0	0
15,426	1977	6	10	16	15	0
15,427	1977	6	10	16	30	0
15,428	1977	6	10	16	45	0
15,429	1977	6	10	17	0	0
15,430	1977	6	10	17	15	0
15,431	1977	6	10	17	30	0
15,432	1977	6	10	17	45	0
15,433	1977	6	10	18	0	0
15,434	1977	6	10	18	15	0
15,435	1977	6	10	18	30	0
15,436	1977	6	10	18	45	0
15,437	1977	6	10	19	0	0
15,438	1977	6	10	19	15	0
15,439	1977	6	10	19	30	0
15,440	1977	6	10	19	45	0
15,441	1977	6	10	20	0	0
15,442	1977	6	10	20	15	0
15,443	1977	6	10	20	30	0
15,444	1977	6	10	20	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
15,445	1977	6	10	21	0	0
15,446	1977	6	10	21	15	0
15,447	1977	6	10	21	30	0
15,448	1977	6	10	21	45	0
15,449	1977	6	10	22	0	0
15,450	1977	6	10	22	15	0
15,451	1977	6	10	22	30	0
15,452	1977	6	10	22	45	0
15,453	1977	6	10	23	0	0
15,454	1977	6	10	23	15	0
15,455	1977	6	10	23	30	0
15,456	1977	6	10	23	45	0
15,457	1977	6	11	0	0	0
15,458	1977	6	11	0	15	0
15,459	1977	6	11	0	30	0
15,460	1977	6	11	0	45	0
15,461	1977	6	11	1	0	0
15,462	1977	6	11	1	15	0
15,463	1977	6	11	1	30	0
15,464	1977	6	11	1	45	0
15,465	1977	6	11	2	0	0
15,466	1977	6	11	2	15	0
15,467	1977	6	11	2	30	0
15,468	1977	6	11	2	45	0
15,469	1977	6	11	3	0	0
15,470	1977	6	11	3	15	0
15,471	1977	6	11	3	30	0
15,472	1977	6	11	3	45	0
15,473	1977	6	11	4	0	0
15,474	1977	6	11	4	15	0
15,475	1977	6	11	4	30	0
15,476	1977	6	11	4	45	0
15,477	1977	6	11	5	0	0
15,478	1977	6	11	5	15	0
15,479	1977	6	11	5	30	0
15,480	1977	6	11	5	45	0
15,481	1977	6	11	6	0	0
15,482	1977	6	11	6	15	0
15,483	1977	6	11	6	30	0
15,484	1977	6	11	6	45	0
15,485	1977	6	11	7	0	0
15,486	1977	6	11	7	15	0
15,487	1977	6	11	7	30	0
15,488	1977	6	11	7	45	0
15,489	1977	6	11	8	0	0
15,490	1977	6	11	8	15	0
15,491	1977	6	11	8	30	0
15,492	1977	6	11	8	45	0
15,493	1977	6	11	9	0	0
15,494	1977	6	11	9	15	0
15,495	1977	6	11	9	30	0
15,496	1977	6	11	9	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
15,497	1977	6	11	10	0	0
15,498	1977	6	11	10	15	0
15,499	1977	6	11	10	30	0
15,500	1977	6	11	10	45	0
15,501	1977	6	11	11	0	0
15,502	1977	6	11	11	15	0
15,503	1977	6	11	11	30	0
15,504	1977	6	11	11	45	0
15,505	1977	6	11	12	0	0
15,506	1977	6	11	12	15	0
15,507	1977	6	11	12	30	0
15,508	1977	6	11	12	45	0
15,509	1977	6	11	13	0	0
15,510	1977	6	11	13	15	0
15,511	1977	6	11	13	30	0
15,512	1977	6	11	13	45	0
15,513	1977	6	11	14	0	0
15,514	1977	6	11	14	15	0
15,515	1977	6	11	14	30	0
15,516	1977	6	11	14	45	0
15,517	1977	6	11	15	0	0
15,518	1977	6	11	15	15	0
15,519	1977	6	11	15	30	0
15,520	1977	6	11	15	45	0
15,521	1977	6	11	16	0	0
15,522	1977	6	11	16	15	0
15,523	1977	6	11	16	30	0
15,524	1977	6	11	16	45	0
15,525	1977	6	11	17	0	0
15,526	1977	6	11	17	15	0
15,527	1977	6	11	17	30	0
15,528	1977	6	11	17	45	0
15,529	1977	6	11	18	0	0
15,530	1977	6	11	18	15	0
15,531	1977	6	11	18	30	0
15,532	1977	6	11	18	45	0
15,533	1977	6	11	19	0	0
15,534	1977	6	11	19	15	0
15,535	1977	6	11	19	30	0
15,536	1977	6	11	19	45	0
15,537	1977	6	11	20	0	0
15,538	1977	6	11	20	15	0
15,539	1977	6	11	20	30	0
15,540	1977	6	11	20	45	0
15,541	1977	6	11	21	0	0
15,542	1977	6	11	21	15	0
15,543	1977	6	11	21	30	0
15,544	1977	6	11	21	45	0
15,545	1977	6	11	22	0	0
15,546	1977	6	11	22	15	0
15,547	1977	6	11	22	30	0
15,548	1977	6	11	22	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
15,549	1977	6	11	23	0	0
15,550	1977	6	11	23	15	0
15,551	1977	6	11	23	30	0
15,552	1977	6	11	23	45	0
15,553	1977	6	12	0	0	0
15,554	1977	6	12	0	15	0
15,555	1977	6	12	0	30	0
15,556	1977	6	12	0	45	0
15,557	1977	6	12	1	0	0
15,558	1977	6	12	1	15	0
15,559	1977	6	12	1	30	0
15,560	1977	6	12	1	45	0
15,561	1977	6	12	2	0	0
15,562	1977	6	12	2	15	0
15,563	1977	6	12	2	30	0
15,564	1977	6	12	2	45	0
15,565	1977	6	12	3	0	0
15,566	1977	6	12	3	15	0
15,567	1977	6	12	3	30	0
15,568	1977	6	12	3	45	0
15,569	1977	6	12	4	0	0
15,570	1977	6	12	4	15	0
15,571	1977	6	12	4	30	0
15,572	1977	6	12	4	45	0
15,573	1977	6	12	5	0	0
15,574	1977	6	12	5	15	0
15,575	1977	6	12	5	30	0
15,576	1977	6	12	5	45	0
15,577	1977	6	12	6	0	0
15,578	1977	6	12	6	15	0
15,579	1977	6	12	6	30	0
15,580	1977	6	12	6	45	0
15,581	1977	6	12	7	0	0
15,582	1977	6	12	7	15	0
15,583	1977	6	12	7	30	0
15,584	1977	6	12	7	45	0
15,585	1977	6	12	8	0	0
15,586	1977	6	12	8	15	0
15,587	1977	6	12	8	30	0
15,588	1977	6	12	8	45	0
15,589	1977	6	12	9	0	0.015
15,590	1977	6	12	9	15	0.015
15,591	1977	6	12	9	30	0.015
15,592	1977	6	12	9	45	0.015
15,593	1977	6	12	10	0	0.0025
15,594	1977	6	12	10	15	0.0025
15,595	1977	6	12	10	30	0.0025
15,596	1977	6	12	10	45	0.0025
15,597	1977	6	12	11	0	0.0025
15,598	1977	6	12	11	15	0.0025
15,599	1977	6	12	11	30	0.0025
15,600	1977	6	12	11	45	0.0025

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
15,601	1977	6	12	12	0	0
15,602	1977	6	12	12	15	0
15,603	1977	6	12	12	30	0
15,604	1977	6	12	12	45	0
15,605	1977	6	12	13	0	0
15,606	1977	6	12	13	15	0
15,607	1977	6	12	13	30	0
15,608	1977	6	12	13	45	0
15,609	1977	6	12	14	0	0
15,610	1977	6	12	14	15	0
15,611	1977	6	12	14	30	0
15,612	1977	6	12	14	45	0
15,613	1977	6	12	15	0	0.005
15,614	1977	6	12	15	15	0.005
15,615	1977	6	12	15	30	0.005
15,616	1977	6	12	15	45	0.005
15,617	1977	6	12	16	0	0
15,618	1977	6	12	16	15	0
15,619	1977	6	12	16	30	0
15,620	1977	6	12	16	45	0
15,621	1977	6	12	17	0	0
15,622	1977	6	12	17	15	0
15,623	1977	6	12	17	30	0
15,624	1977	6	12	17	45	0
15,625	1977	6	12	18	0	0
15,626	1977	6	12	18	15	0
15,627	1977	6	12	18	30	0
15,628	1977	6	12	18	45	0
15,629	1977	6	12	19	0	0
15,630	1977	6	12	19	15	0
15,631	1977	6	12	19	30	0
15,632	1977	6	12	19	45	0
15,633	1977	6	12	20	0	0
15,634	1977	6	12	20	15	0
15,635	1977	6	12	20	30	0
15,636	1977	6	12	20	45	0
15,637	1977	6	12	21	0	0
15,638	1977	6	12	21	15	0
15,639	1977	6	12	21	30	0
15,640	1977	6	12	21	45	0
15,641	1977	6	12	22	0	0
15,642	1977	6	12	22	15	0
15,643	1977	6	12	22	30	0
15,644	1977	6	12	22	45	0
15,645	1977	6	12	23	0	0
15,646	1977	6	12	23	15	0
15,647	1977	6	12	23	30	0
15,648	1977	6	12	23	45	0
15,649	1977	6	13	0	0	0
15,650	1977	6	13	0	15	0
15,651	1977	6	13	0	30	0
15,652	1977	6	13	0	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
15,653	1977	6	13	1	0	0
15,654	1977	6	13	1	15	0
15,655	1977	6	13	1	30	0
15,656	1977	6	13	1	45	0
15,657	1977	6	13	2	0	0
15,658	1977	6	13	2	15	0
15,659	1977	6	13	2	30	0
15,660	1977	6	13	2	45	0
15,661	1977	6	13	3	0	0
15,662	1977	6	13	3	15	0
15,663	1977	6	13	3	30	0
15,664	1977	6	13	3	45	0
15,665	1977	6	13	4	0	0
15,666	1977	6	13	4	15	0
15,667	1977	6	13	4	30	0
15,668	1977	6	13	4	45	0
15,669	1977	6	13	5	0	0
15,670	1977	6	13	5	15	0
15,671	1977	6	13	5	30	0
15,672	1977	6	13	5	45	0
15,673	1977	6	13	6	0	0
15,674	1977	6	13	6	15	0
15,675	1977	6	13	6	30	0
15,676	1977	6	13	6	45	0
15,677	1977	6	13	7	0	0
15,678	1977	6	13	7	15	0
15,679	1977	6	13	7	30	0
15,680	1977	6	13	7	45	0
15,681	1977	6	13	8	0	0
15,682	1977	6	13	8	15	0
15,683	1977	6	13	8	30	0
15,684	1977	6	13	8	45	0
15,685	1977	6	13	9	0	0
15,686	1977	6	13	9	15	0
15,687	1977	6	13	9	30	0
15,688	1977	6	13	9	45	0
15,689	1977	6	13	10	0	0
15,690	1977	6	13	10	15	0
15,691	1977	6	13	10	30	0
15,692	1977	6	13	10	45	0
15,693	1977	6	13	11	0	0
15,694	1977	6	13	11	15	0
15,695	1977	6	13	11	30	0
15,696	1977	6	13	11	45	0
15,697	1977	6	13	12	0	0
15,698	1977	6	13	12	15	0
15,699	1977	6	13	12	30	0
15,700	1977	6	13	12	45	0
15,701	1977	6	13	13	0	0
15,702	1977	6	13	13	15	0
15,703	1977	6	13	13	30	0
15,704	1977	6	13	13	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
15,705	1977	6	13	14	0	0
15,706	1977	6	13	14	15	0
15,707	1977	6	13	14	30	0
15,708	1977	6	13	14	45	0
15,709	1977	6	13	15	0	0
15,710	1977	6	13	15	15	0
15,711	1977	6	13	15	30	0
15,712	1977	6	13	15	45	0
15,713	1977	6	13	16	0	0
15,714	1977	6	13	16	15	0
15,715	1977	6	13	16	30	0
15,716	1977	6	13	16	45	0
15,717	1977	6	13	17	0	0
15,718	1977	6	13	17	15	0
15,719	1977	6	13	17	30	0
15,720	1977	6	13	17	45	0
15,721	1977	6	13	18	0	0
15,722	1977	6	13	18	15	0
15,723	1977	6	13	18	30	0
15,724	1977	6	13	18	45	0
15,725	1977	6	13	19	0	0
15,726	1977	6	13	19	15	0
15,727	1977	6	13	19	30	0
15,728	1977	6	13	19	45	0
15,729	1977	6	13	20	0	0
15,730	1977	6	13	20	15	0
15,731	1977	6	13	20	30	0
15,732	1977	6	13	20	45	0
15,733	1977	6	13	21	0	0
15,734	1977	6	13	21	15	0
15,735	1977	6	13	21	30	0
15,736	1977	6	13	21	45	0
15,737	1977	6	13	22	0	0
15,738	1977	6	13	22	15	0
15,739	1977	6	13	22	30	0
15,740	1977	6	13	22	45	0
15,741	1977	6	13	23	0	0
15,742	1977	6	13	23	15	0
15,743	1977	6	13	23	30	0
15,744	1977	6	13	23	45	0
15,745	1977	6	14	0	0	0
15,746	1977	6	14	0	15	0
15,747	1977	6	14	0	30	0
15,748	1977	6	14	0	45	0
15,749	1977	6	14	1	0	0.0025
15,750	1977	6	14	1	15	0.0025
15,751	1977	6	14	1	30	0.0025
15,752	1977	6	14	1	45	0.0025
15,753	1977	6	14	2	0	0
15,754	1977	6	14	2	15	0
15,755	1977	6	14	2	30	0
15,756	1977	6	14	2	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
15,757	1977	6	14	3	0	0
15,758	1977	6	14	3	15	0
15,759	1977	6	14	3	30	0
15,760	1977	6	14	3	45	0
15,761	1977	6	14	4	0	0
15,762	1977	6	14	4	15	0
15,763	1977	6	14	4	30	0
15,764	1977	6	14	4	45	0
15,765	1977	6	14	5	0	0
15,766	1977	6	14	5	15	0
15,767	1977	6	14	5	30	0
15,768	1977	6	14	5	45	0
15,769	1977	6	14	6	0	0
15,770	1977	6	14	6	15	0
15,771	1977	6	14	6	30	0
15,772	1977	6	14	6	45	0
15,773	1977	6	14	7	0	0
15,774	1977	6	14	7	15	0
15,775	1977	6	14	7	30	0
15,776	1977	6	14	7	45	0
15,777	1977	6	14	8	0	0
15,778	1977	6	14	8	15	0
15,779	1977	6	14	8	30	0
15,780	1977	6	14	8	45	0
15,781	1977	6	14	9	0	0
15,782	1977	6	14	9	15	0
15,783	1977	6	14	9	30	0
15,784	1977	6	14	9	45	0
15,785	1977	6	14	10	0	0
15,786	1977	6	14	10	15	0
15,787	1977	6	14	10	30	0
15,788	1977	6	14	10	45	0
15,789	1977	6	14	11	0	0
15,790	1977	6	14	11	15	0
15,791	1977	6	14	11	30	0
15,792	1977	6	14	11	45	0
15,793	1977	6	14	12	0	0
15,794	1977	6	14	12	15	0
15,795	1977	6	14	12	30	0
15,796	1977	6	14	12	45	0
15,797	1977	6	14	13	0	0
15,798	1977	6	14	13	15	0
15,799	1977	6	14	13	30	0
15,800	1977	6	14	13	45	0
15,801	1977	6	14	14	0	0
15,802	1977	6	14	14	15	0
15,803	1977	6	14	14	30	0
15,804	1977	6	14	14	45	0
15,805	1977	6	14	15	0	0
15,806	1977	6	14	15	15	0
15,807	1977	6	14	15	30	0
15,808	1977	6	14	15	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
15,809	1977	6	14	16	0	0
15,810	1977	6	14	16	15	0
15,811	1977	6	14	16	30	0
15,812	1977	6	14	16	45	0
15,813	1977	6	14	17	0	0
15,814	1977	6	14	17	15	0
15,815	1977	6	14	17	30	0
15,816	1977	6	14	17	45	0
15,817	1977	6	14	18	0	0
15,818	1977	6	14	18	15	0
15,819	1977	6	14	18	30	0
15,820	1977	6	14	18	45	0
15,821	1977	6	14	19	0	0
15,822	1977	6	14	19	15	0
15,823	1977	6	14	19	30	0
15,824	1977	6	14	19	45	0
15,825	1977	6	14	20	0	0
15,826	1977	6	14	20	15	0
15,827	1977	6	14	20	30	0
15,828	1977	6	14	20	45	0
15,829	1977	6	14	21	0	0
15,830	1977	6	14	21	15	0
15,831	1977	6	14	21	30	0
15,832	1977	6	14	21	45	0
15,833	1977	6	14	22	0	0
15,834	1977	6	14	22	15	0
15,835	1977	6	14	22	30	0
15,836	1977	6	14	22	45	0
15,837	1977	6	14	23	0	0
15,838	1977	6	14	23	15	0
15,839	1977	6	14	23	30	0
15,840	1977	6	14	23	45	0
15,841	1977	6	15	0	0	0
15,842	1977	6	15	0	15	0
15,843	1977	6	15	0	30	0
15,844	1977	6	15	0	45	0
15,845	1977	6	15	1	0	0
15,846	1977	6	15	1	15	0
15,847	1977	6	15	1	30	0
15,848	1977	6	15	1	45	0
15,849	1977	6	15	2	0	0
15,850	1977	6	15	2	15	0
15,851	1977	6	15	2	30	0
15,852	1977	6	15	2	45	0
15,853	1977	6	15	3	0	0
15,854	1977	6	15	3	15	0
15,855	1977	6	15	3	30	0
15,856	1977	6	15	3	45	0
15,857	1977	6	15	4	0	0
15,858	1977	6	15	4	15	0
15,859	1977	6	15	4	30	0
15,860	1977	6	15	4	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
15,861	1977	6	15	5	0	0
15,862	1977	6	15	5	15	0
15,863	1977	6	15	5	30	0
15,864	1977	6	15	5	45	0
15,865	1977	6	15	6	0	0
15,866	1977	6	15	6	15	0
15,867	1977	6	15	6	30	0
15,868	1977	6	15	6	45	0
15,869	1977	6	15	7	0	0
15,870	1977	6	15	7	15	0
15,871	1977	6	15	7	30	0
15,872	1977	6	15	7	45	0
15,873	1977	6	15	8	0	0
15,874	1977	6	15	8	15	0
15,875	1977	6	15	8	30	0
15,876	1977	6	15	8	45	0
15,877	1977	6	15	9	0	0
15,878	1977	6	15	9	15	0
15,879	1977	6	15	9	30	0
15,880	1977	6	15	9	45	0
15,881	1977	6	15	10	0	0
15,882	1977	6	15	10	15	0
15,883	1977	6	15	10	30	0
15,884	1977	6	15	10	45	0
15,885	1977	6	15	11	0	0
15,886	1977	6	15	11	15	0
15,887	1977	6	15	11	30	0
15,888	1977	6	15	11	45	0
15,889	1977	6	15	12	0	0
15,890	1977	6	15	12	15	0
15,891	1977	6	15	12	30	0
15,892	1977	6	15	12	45	0
15,893	1977	6	15	13	0	0
15,894	1977	6	15	13	15	0
15,895	1977	6	15	13	30	0
15,896	1977	6	15	13	45	0
15,897	1977	6	15	14	0	0
15,898	1977	6	15	14	15	0
15,899	1977	6	15	14	30	0
15,900	1977	6	15	14	45	0
15,901	1977	6	15	15	0	0
15,902	1977	6	15	15	15	0
15,903	1977	6	15	15	30	0
15,904	1977	6	15	15	45	0
15,905	1977	6	15	16	0	0
15,906	1977	6	15	16	15	0
15,907	1977	6	15	16	30	0
15,908	1977	6	15	16	45	0
15,909	1977	6	15	17	0	0
15,910	1977	6	15	17	15	0
15,911	1977	6	15	17	30	0
15,912	1977	6	15	17	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
15,913	1977	6	15	18	0	0
15,914	1977	6	15	18	15	0
15,915	1977	6	15	18	30	0
15,916	1977	6	15	18	45	0
15,917	1977	6	15	19	0	0
15,918	1977	6	15	19	15	0
15,919	1977	6	15	19	30	0
15,920	1977	6	15	19	45	0
15,921	1977	6	15	20	0	0
15,922	1977	6	15	20	15	0
15,923	1977	6	15	20	30	0
15,924	1977	6	15	20	45	0
15,925	1977	6	15	21	0	0
15,926	1977	6	15	21	15	0
15,927	1977	6	15	21	30	0
15,928	1977	6	15	21	45	0
15,929	1977	6	15	22	0	0
15,930	1977	6	15	22	15	0
15,931	1977	6	15	22	30	0
15,932	1977	6	15	22	45	0
15,933	1977	6	15	23	0	0
15,934	1977	6	15	23	15	0
15,935	1977	6	15	23	30	0
15,936	1977	6	15	23	45	0
15,937	1977	6	16	0	0	0
15,938	1977	6	16	0	15	0
15,939	1977	6	16	0	30	0
15,940	1977	6	16	0	45	0
15,941	1977	6	16	1	0	0
15,942	1977	6	16	1	15	0
15,943	1977	6	16	1	30	0
15,944	1977	6	16	1	45	0
15,945	1977	6	16	2	0	0
15,946	1977	6	16	2	15	0
15,947	1977	6	16	2	30	0
15,948	1977	6	16	2	45	0
15,949	1977	6	16	3	0	0
15,950	1977	6	16	3	15	0
15,951	1977	6	16	3	30	0
15,952	1977	6	16	3	45	0
15,953	1977	6	16	4	0	0
15,954	1977	6	16	4	15	0
15,955	1977	6	16	4	30	0
15,956	1977	6	16	4	45	0
15,957	1977	6	16	5	0	0
15,958	1977	6	16	5	15	0
15,959	1977	6	16	5	30	0
15,960	1977	6	16	5	45	0
15,961	1977	6	16	6	0	0
15,962	1977	6	16	6	15	0
15,963	1977	6	16	6	30	0
15,964	1977	6	16	6	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
15,965	1977	6	16	7	0	0
15,966	1977	6	16	7	15	0
15,967	1977	6	16	7	30	0
15,968	1977	6	16	7	45	0
15,969	1977	6	16	8	0	0
15,970	1977	6	16	8	15	0
15,971	1977	6	16	8	30	0
15,972	1977	6	16	8	45	0
15,973	1977	6	16	9	0	0
15,974	1977	6	16	9	15	0
15,975	1977	6	16	9	30	0
15,976	1977	6	16	9	45	0
15,977	1977	6	16	10	0	0
15,978	1977	6	16	10	15	0
15,979	1977	6	16	10	30	0
15,980	1977	6	16	10	45	0
15,981	1977	6	16	11	0	0
15,982	1977	6	16	11	15	0
15,983	1977	6	16	11	30	0
15,984	1977	6	16	11	45	0
15,985	1977	6	16	12	0	0
15,986	1977	6	16	12	15	0
15,987	1977	6	16	12	30	0
15,988	1977	6	16	12	45	0
15,989	1977	6	16	13	0	0
15,990	1977	6	16	13	15	0
15,991	1977	6	16	13	30	0
15,992	1977	6	16	13	45	0
15,993	1977	6	16	14	0	0
15,994	1977	6	16	14	15	0
15,995	1977	6	16	14	30	0
15,996	1977	6	16	14	45	0
15,997	1977	6	16	15	0	0
15,998	1977	6	16	15	15	0
15,999	1977	6	16	15	30	0
16,000	1977	6	16	15	45	0
16,001	1977	6	16	16	0	0
16,002	1977	6	16	16	15	0
16,003	1977	6	16	16	30	0
16,004	1977	6	16	16	45	0
16,005	1977	6	16	17	0	0
16,006	1977	6	16	17	15	0
16,007	1977	6	16	17	30	0
16,008	1977	6	16	17	45	0
16,009	1977	6	16	18	0	0
16,010	1977	6	16	18	15	0
16,011	1977	6	16	18	30	0
16,012	1977	6	16	18	45	0
16,013	1977	6	16	19	0	0
16,014	1977	6	16	19	15	0
16,015	1977	6	16	19	30	0
16,016	1977	6	16	19	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
16,017	1977	6	16	20	0	0
16,018	1977	6	16	20	15	0
16,019	1977	6	16	20	30	0
16,020	1977	6	16	20	45	0
16,021	1977	6	16	21	0	0
16,022	1977	6	16	21	15	0
16,023	1977	6	16	21	30	0
16,024	1977	6	16	21	45	0
16,025	1977	6	16	22	0	0
16,026	1977	6	16	22	15	0
16,027	1977	6	16	22	30	0
16,028	1977	6	16	22	45	0
16,029	1977	6	16	23	0	0
16,030	1977	6	16	23	15	0
16,031	1977	6	16	23	30	0
16,032	1977	6	16	23	45	0
16,033	1977	6	17	0	0	0
16,034	1977	6	17	0	15	0
16,035	1977	6	17	0	30	0
16,036	1977	6	17	0	45	0
16,037	1977	6	17	1	0	0
16,038	1977	6	17	1	15	0
16,039	1977	6	17	1	30	0
16,040	1977	6	17	1	45	0
16,041	1977	6	17	2	0	0
16,042	1977	6	17	2	15	0
16,043	1977	6	17	2	30	0
16,044	1977	6	17	2	45	0
16,045	1977	6	17	3	0	0
16,046	1977	6	17	3	15	0
16,047	1977	6	17	3	30	0
16,048	1977	6	17	3	45	0
16,049	1977	6	17	4	0	0
16,050	1977	6	17	4	15	0
16,051	1977	6	17	4	30	0
16,052	1977	6	17	4	45	0
16,053	1977	6	17	5	0	0
16,054	1977	6	17	5	15	0
16,055	1977	6	17	5	30	0
16,056	1977	6	17	5	45	0
16,057	1977	6	17	6	0	0
16,058	1977	6	17	6	15	0
16,059	1977	6	17	6	30	0
16,060	1977	6	17	6	45	0
16,061	1977	6	17	7	0	0
16,062	1977	6	17	7	15	0
16,063	1977	6	17	7	30	0
16,064	1977	6	17	7	45	0
16,065	1977	6	17	8	0	0
16,066	1977	6	17	8	15	0
16,067	1977	6	17	8	30	0
16,068	1977	6	17	8	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
16,069	1977	6	17	9	0	0
16,070	1977	6	17	9	15	0
16,071	1977	6	17	9	30	0
16,072	1977	6	17	9	45	0
16,073	1977	6	17	10	0	0
16,074	1977	6	17	10	15	0
16,075	1977	6	17	10	30	0
16,076	1977	6	17	10	45	0
16,077	1977	6	17	11	0	0
16,078	1977	6	17	11	15	0
16,079	1977	6	17	11	30	0
16,080	1977	6	17	11	45	0
16,081	1977	6	17	12	0	0
16,082	1977	6	17	12	15	0
16,083	1977	6	17	12	30	0
16,084	1977	6	17	12	45	0
16,085	1977	6	17	13	0	0
16,086	1977	6	17	13	15	0
16,087	1977	6	17	13	30	0
16,088	1977	6	17	13	45	0
16,089	1977	6	17	14	0	0
16,090	1977	6	17	14	15	0
16,091	1977	6	17	14	30	0
16,092	1977	6	17	14	45	0
16,093	1977	6	17	15	0	0
16,094	1977	6	17	15	15	0
16,095	1977	6	17	15	30	0
16,096	1977	6	17	15	45	0
16,097	1977	6	17	16	0	0.12
16,098	1977	6	17	16	15	0.12
16,099	1977	6	17	16	30	0.12
16,100	1977	6	17	16	45	0.12
16,101	1977	6	17	17	0	0.0025
16,102	1977	6	17	17	15	0.0025
16,103	1977	6	17	17	30	0.0025
16,104	1977	6	17	17	45	0.0025
16,105	1977	6	17	18	0	0.005
16,106	1977	6	17	18	15	0.005
16,107	1977	6	17	18	30	0.005
16,108	1977	6	17	18	45	0.005
16,109	1977	6	17	19	0	0
16,110	1977	6	17	19	15	0
16,111	1977	6	17	19	30	0
16,112	1977	6	17	19	45	0
16,113	1977	6	17	20	0	0
16,114	1977	6	17	20	15	0
16,115	1977	6	17	20	30	0
16,116	1977	6	17	20	45	0
16,117	1977	6	17	21	0	0
16,118	1977	6	17	21	15	0
16,119	1977	6	17	21	30	0
16,120	1977	6	17	21	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
16,121	1977	6	17	22	0	0
16,122	1977	6	17	22	15	0
16,123	1977	6	17	22	30	0
16,124	1977	6	17	22	45	0
16,125	1977	6	17	23	0	0
16,126	1977	6	17	23	15	0
16,127	1977	6	17	23	30	0
16,128	1977	6	17	23	45	0
16,129	1977	6	18	0	0	0
16,130	1977	6	18	0	15	0
16,131	1977	6	18	0	30	0
16,132	1977	6	18	0	45	0
16,133	1977	6	18	1	0	0
16,134	1977	6	18	1	15	0
16,135	1977	6	18	1	30	0
16,136	1977	6	18	1	45	0
16,137	1977	6	18	2	0	0.0625
16,138	1977	6	18	2	15	0.0625
16,139	1977	6	18	2	30	0.0625
16,140	1977	6	18	2	45	0.0625
16,141	1977	6	18	3	0	0.0375
16,142	1977	6	18	3	15	0.0375
16,143	1977	6	18	3	30	0.0375
16,144	1977	6	18	3	45	0.0375
16,145	1977	6	18	4	0	0.01
16,146	1977	6	18	4	15	0.01
16,147	1977	6	18	4	30	0.01
16,148	1977	6	18	4	45	0.01
16,149	1977	6	18	5	0	0
16,150	1977	6	18	5	15	0
16,151	1977	6	18	5	30	0
16,152	1977	6	18	5	45	0
16,153	1977	6	18	6	0	0
16,154	1977	6	18	6	15	0
16,155	1977	6	18	6	30	0
16,156	1977	6	18	6	45	0
16,157	1977	6	18	7	0	0
16,158	1977	6	18	7	15	0
16,159	1977	6	18	7	30	0
16,160	1977	6	18	7	45	0
16,161	1977	6	18	8	0	0
16,162	1977	6	18	8	15	0
16,163	1977	6	18	8	30	0
16,164	1977	6	18	8	45	0
16,165	1977	6	18	9	0	0
16,166	1977	6	18	9	15	0
16,167	1977	6	18	9	30	0
16,168	1977	6	18	9	45	0
16,169	1977	6	18	10	0	0.0125
16,170	1977	6	18	10	15	0.0125
16,171	1977	6	18	10	30	0.0125
16,172	1977	6	18	10	45	0.0125

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
16,173	1977	6	18	11	0	0
16,174	1977	6	18	11	15	0
16,175	1977	6	18	11	30	0
16,176	1977	6	18	11	45	0
16,177	1977	6	18	12	0	0
16,178	1977	6	18	12	15	0
16,179	1977	6	18	12	30	0
16,180	1977	6	18	12	45	0
16,181	1977	6	18	13	0	0
16,182	1977	6	18	13	15	0
16,183	1977	6	18	13	30	0
16,184	1977	6	18	13	45	0
16,185	1977	6	18	14	0	0
16,186	1977	6	18	14	15	0
16,187	1977	6	18	14	30	0
16,188	1977	6	18	14	45	0
16,189	1977	6	18	15	0	0
16,190	1977	6	18	15	15	0
16,191	1977	6	18	15	30	0
16,192	1977	6	18	15	45	0
16,193	1977	6	18	16	0	0
16,194	1977	6	18	16	15	0
16,195	1977	6	18	16	30	0
16,196	1977	6	18	16	45	0
16,197	1977	6	18	17	0	0
16,198	1977	6	18	17	15	0
16,199	1977	6	18	17	30	0
16,200	1977	6	18	17	45	0
16,201	1977	6	18	18	0	0
16,202	1977	6	18	18	15	0
16,203	1977	6	18	18	30	0
16,204	1977	6	18	18	45	0
16,205	1977	6	18	19	0	0
16,206	1977	6	18	19	15	0
16,207	1977	6	18	19	30	0
16,208	1977	6	18	19	45	0
16,209	1977	6	18	20	0	0
16,210	1977	6	18	20	15	0
16,211	1977	6	18	20	30	0
16,212	1977	6	18	20	45	0
16,213	1977	6	18	21	0	0
16,214	1977	6	18	21	15	0
16,215	1977	6	18	21	30	0
16,216	1977	6	18	21	45	0
16,217	1977	6	18	22	0	0
16,218	1977	6	18	22	15	0
16,219	1977	6	18	22	30	0
16,220	1977	6	18	22	45	0
16,221	1977	6	18	23	0	0
16,222	1977	6	18	23	15	0
16,223	1977	6	18	23	30	0
16,224	1977	6	18	23	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
16,225	1977	6	19	0	0	0
16,226	1977	6	19	0	15	0
16,227	1977	6	19	0	30	0
16,228	1977	6	19	0	45	0
16,229	1977	6	19	1	0	0
16,230	1977	6	19	1	15	0
16,231	1977	6	19	1	30	0
16,232	1977	6	19	1	45	0
16,233	1977	6	19	2	0	0
16,234	1977	6	19	2	15	0
16,235	1977	6	19	2	30	0
16,236	1977	6	19	2	45	0
16,237	1977	6	19	3	0	0
16,238	1977	6	19	3	15	0
16,239	1977	6	19	3	30	0
16,240	1977	6	19	3	45	0
16,241	1977	6	19	4	0	0
16,242	1977	6	19	4	15	0
16,243	1977	6	19	4	30	0
16,244	1977	6	19	4	45	0
16,245	1977	6	19	5	0	0
16,246	1977	6	19	5	15	0
16,247	1977	6	19	5	30	0
16,248	1977	6	19	5	45	0
16,249	1977	6	19	6	0	0
16,250	1977	6	19	6	15	0
16,251	1977	6	19	6	30	0
16,252	1977	6	19	6	45	0
16,253	1977	6	19	7	0	0
16,254	1977	6	19	7	15	0
16,255	1977	6	19	7	30	0
16,256	1977	6	19	7	45	0
16,257	1977	6	19	8	0	0
16,258	1977	6	19	8	15	0
16,259	1977	6	19	8	30	0
16,260	1977	6	19	8	45	0
16,261	1977	6	19	9	0	0
16,262	1977	6	19	9	15	0
16,263	1977	6	19	9	30	0
16,264	1977	6	19	9	45	0
16,265	1977	6	19	10	0	0
16,266	1977	6	19	10	15	0
16,267	1977	6	19	10	30	0
16,268	1977	6	19	10	45	0
16,269	1977	6	19	11	0	0
16,270	1977	6	19	11	15	0
16,271	1977	6	19	11	30	0
16,272	1977	6	19	11	45	0
16,273	1977	6	19	12	0	0
16,274	1977	6	19	12	15	0
16,275	1977	6	19	12	30	0
16,276	1977	6	19	12	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
16,277	1977	6	19	13	0	0
16,278	1977	6	19	13	15	0
16,279	1977	6	19	13	30	0
16,280	1977	6	19	13	45	0
16,281	1977	6	19	14	0	0
16,282	1977	6	19	14	15	0
16,283	1977	6	19	14	30	0
16,284	1977	6	19	14	45	0
16,285	1977	6	19	15	0	0
16,286	1977	6	19	15	15	0
16,287	1977	6	19	15	30	0
16,288	1977	6	19	15	45	0
16,289	1977	6	19	16	0	0
16,290	1977	6	19	16	15	0
16,291	1977	6	19	16	30	0
16,292	1977	6	19	16	45	0
16,293	1977	6	19	17	0	0
16,294	1977	6	19	17	15	0
16,295	1977	6	19	17	30	0
16,296	1977	6	19	17	45	0
16,297	1977	6	19	18	0	0
16,298	1977	6	19	18	15	0
16,299	1977	6	19	18	30	0
16,300	1977	6	19	18	45	0
16,301	1977	6	19	19	0	0
16,302	1977	6	19	19	15	0
16,303	1977	6	19	19	30	0
16,304	1977	6	19	19	45	0
16,305	1977	6	19	20	0	0
16,306	1977	6	19	20	15	0
16,307	1977	6	19	20	30	0
16,308	1977	6	19	20	45	0
16,309	1977	6	19	21	0	0
16,310	1977	6	19	21	15	0
16,311	1977	6	19	21	30	0
16,312	1977	6	19	21	45	0
16,313	1977	6	19	22	0	0
16,314	1977	6	19	22	15	0
16,315	1977	6	19	22	30	0
16,316	1977	6	19	22	45	0
16,317	1977	6	19	23	0	0
16,318	1977	6	19	23	15	0
16,319	1977	6	19	23	30	0
16,320	1977	6	19	23	45	0
16,321	1977	6	20	0	0	0
16,322	1977	6	20	0	15	0
16,323	1977	6	20	0	30	0
16,324	1977	6	20	0	45	0
16,325	1977	6	20	1	0	0
16,326	1977	6	20	1	15	0
16,327	1977	6	20	1	30	0
16,328	1977	6	20	1	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
16,329	1977	6	20	2	0	0
16,330	1977	6	20	2	15	0
16,331	1977	6	20	2	30	0
16,332	1977	6	20	2	45	0
16,333	1977	6	20	3	0	0
16,334	1977	6	20	3	15	0
16,335	1977	6	20	3	30	0
16,336	1977	6	20	3	45	0
16,337	1977	6	20	4	0	0
16,338	1977	6	20	4	15	0
16,339	1977	6	20	4	30	0
16,340	1977	6	20	4	45	0
16,341	1977	6	20	5	0	0
16,342	1977	6	20	5	15	0
16,343	1977	6	20	5	30	0
16,344	1977	6	20	5	45	0
16,345	1977	6	20	6	0	0
16,346	1977	6	20	6	15	0
16,347	1977	6	20	6	30	0
16,348	1977	6	20	6	45	0
16,349	1977	6	20	7	0	0
16,350	1977	6	20	7	15	0
16,351	1977	6	20	7	30	0
16,352	1977	6	20	7	45	0
16,353	1977	6	20	8	0	0
16,354	1977	6	20	8	15	0
16,355	1977	6	20	8	30	0
16,356	1977	6	20	8	45	0
16,357	1977	6	20	9	0	0
16,358	1977	6	20	9	15	0
16,359	1977	6	20	9	30	0
16,360	1977	6	20	9	45	0
16,361	1977	6	20	10	0	0
16,362	1977	6	20	10	15	0
16,363	1977	6	20	10	30	0
16,364	1977	6	20	10	45	0
16,365	1977	6	20	11	0	0
16,366	1977	6	20	11	15	0
16,367	1977	6	20	11	30	0
16,368	1977	6	20	11	45	0
16,369	1977	6	20	12	0	0
16,370	1977	6	20	12	15	0
16,371	1977	6	20	12	30	0
16,372	1977	6	20	12	45	0
16,373	1977	6	20	13	0	0
16,374	1977	6	20	13	15	0
16,375	1977	6	20	13	30	0
16,376	1977	6	20	13	45	0
16,377	1977	6	20	14	0	0
16,378	1977	6	20	14	15	0
16,379	1977	6	20	14	30	0
16,380	1977	6	20	14	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
16,381	1977	6	20	15	0	0.02
16,382	1977	6	20	15	15	0.02
16,383	1977	6	20	15	30	0.02
16,384	1977	6	20	15	45	0.02
16,385	1977	6	20	16	0	0.005
16,386	1977	6	20	16	15	0.005
16,387	1977	6	20	16	30	0.005
16,388	1977	6	20	16	45	0.005
16,389	1977	6	20	17	0	0
16,390	1977	6	20	17	15	0
16,391	1977	6	20	17	30	0
16,392	1977	6	20	17	45	0
16,393	1977	6	20	18	0	0
16,394	1977	6	20	18	15	0
16,395	1977	6	20	18	30	0
16,396	1977	6	20	18	45	0
16,397	1977	6	20	19	0	0
16,398	1977	6	20	19	15	0
16,399	1977	6	20	19	30	0
16,400	1977	6	20	19	45	0
16,401	1977	6	20	20	0	0
16,402	1977	6	20	20	15	0
16,403	1977	6	20	20	30	0
16,404	1977	6	20	20	45	0
16,405	1977	6	20	21	0	0
16,406	1977	6	20	21	15	0
16,407	1977	6	20	21	30	0
16,408	1977	6	20	21	45	0
16,409	1977	6	20	22	0	0
16,410	1977	6	20	22	15	0
16,411	1977	6	20	22	30	0
16,412	1977	6	20	22	45	0
16,413	1977	6	20	23	0	0
16,414	1977	6	20	23	15	0
16,415	1977	6	20	23	30	0
16,416	1977	6	20	23	45	0
16,417	1977	6	21	0	0	0
16,418	1977	6	21	0	15	0
16,419	1977	6	21	0	30	0
16,420	1977	6	21	0	45	0
16,421	1977	6	21	1	0	0
16,422	1977	6	21	1	15	0
16,423	1977	6	21	1	30	0
16,424	1977	6	21	1	45	0
16,425	1977	6	21	2	0	0
16,426	1977	6	21	2	15	0
16,427	1977	6	21	2	30	0
16,428	1977	6	21	2	45	0
16,429	1977	6	21	3	0	0
16,430	1977	6	21	3	15	0
16,431	1977	6	21	3	30	0
16,432	1977	6	21	3	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
16,433	1977	6	21	4	0	0
16,434	1977	6	21	4	15	0
16,435	1977	6	21	4	30	0
16,436	1977	6	21	4	45	0
16,437	1977	6	21	5	0	0
16,438	1977	6	21	5	15	0
16,439	1977	6	21	5	30	0
16,440	1977	6	21	5	45	0
16,441	1977	6	21	6	0	0
16,442	1977	6	21	6	15	0
16,443	1977	6	21	6	30	0
16,444	1977	6	21	6	45	0
16,445	1977	6	21	7	0	0
16,446	1977	6	21	7	15	0
16,447	1977	6	21	7	30	0
16,448	1977	6	21	7	45	0
16,449	1977	6	21	8	0	0
16,450	1977	6	21	8	15	0
16,451	1977	6	21	8	30	0
16,452	1977	6	21	8	45	0
16,453	1977	6	21	9	0	0
16,454	1977	6	21	9	15	0
16,455	1977	6	21	9	30	0
16,456	1977	6	21	9	45	0
16,457	1977	6	21	10	0	0
16,458	1977	6	21	10	15	0
16,459	1977	6	21	10	30	0
16,460	1977	6	21	10	45	0
16,461	1977	6	21	11	0	0
16,462	1977	6	21	11	15	0
16,463	1977	6	21	11	30	0
16,464	1977	6	21	11	45	0
16,465	1977	6	21	12	0	0
16,466	1977	6	21	12	15	0
16,467	1977	6	21	12	30	0
16,468	1977	6	21	12	45	0
16,469	1977	6	21	13	0	0
16,470	1977	6	21	13	15	0
16,471	1977	6	21	13	30	0
16,472	1977	6	21	13	45	0
16,473	1977	6	21	14	0	0
16,474	1977	6	21	14	15	0
16,475	1977	6	21	14	30	0
16,476	1977	6	21	14	45	0
16,477	1977	6	21	15	0	0
16,478	1977	6	21	15	15	0
16,479	1977	6	21	15	30	0
16,480	1977	6	21	15	45	0
16,481	1977	6	21	16	0	0
16,482	1977	6	21	16	15	0
16,483	1977	6	21	16	30	0
16,484	1977	6	21	16	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
16,485	1977	6	21	17	0	0
16,486	1977	6	21	17	15	0
16,487	1977	6	21	17	30	0
16,488	1977	6	21	17	45	0
16,489	1977	6	21	18	0	0
16,490	1977	6	21	18	15	0
16,491	1977	6	21	18	30	0
16,492	1977	6	21	18	45	0
16,493	1977	6	21	19	0	0
16,494	1977	6	21	19	15	0
16,495	1977	6	21	19	30	0
16,496	1977	6	21	19	45	0
16,497	1977	6	21	20	0	0
16,498	1977	6	21	20	15	0
16,499	1977	6	21	20	30	0
16,500	1977	6	21	20	45	0
16,501	1977	6	21	21	0	0
16,502	1977	6	21	21	15	0
16,503	1977	6	21	21	30	0
16,504	1977	6	21	21	45	0
16,505	1977	6	21	22	0	0
16,506	1977	6	21	22	15	0
16,507	1977	6	21	22	30	0
16,508	1977	6	21	22	45	0
16,509	1977	6	21	23	0	0
16,510	1977	6	21	23	15	0
16,511	1977	6	21	23	30	0
16,512	1977	6	21	23	45	0
16,513	1977	6	22	0	0	0
16,514	1977	6	22	0	15	0
16,515	1977	6	22	0	30	0
16,516	1977	6	22	0	45	0
16,517	1977	6	22	1	0	0
16,518	1977	6	22	1	15	0
16,519	1977	6	22	1	30	0
16,520	1977	6	22	1	45	0
16,521	1977	6	22	2	0	0
16,522	1977	6	22	2	15	0
16,523	1977	6	22	2	30	0
16,524	1977	6	22	2	45	0
16,525	1977	6	22	3	0	0
16,526	1977	6	22	3	15	0
16,527	1977	6	22	3	30	0
16,528	1977	6	22	3	45	0
16,529	1977	6	22	4	0	0
16,530	1977	6	22	4	15	0
16,531	1977	6	22	4	30	0
16,532	1977	6	22	4	45	0
16,533	1977	6	22	5	0	0
16,534	1977	6	22	5	15	0
16,535	1977	6	22	5	30	0
16,536	1977	6	22	5	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
16,537	1977	6	22	6	0	0
16,538	1977	6	22	6	15	0
16,539	1977	6	22	6	30	0
16,540	1977	6	22	6	45	0
16,541	1977	6	22	7	0	0
16,542	1977	6	22	7	15	0
16,543	1977	6	22	7	30	0
16,544	1977	6	22	7	45	0
16,545	1977	6	22	8	0	0
16,546	1977	6	22	8	15	0
16,547	1977	6	22	8	30	0
16,548	1977	6	22	8	45	0
16,549	1977	6	22	9	0	0
16,550	1977	6	22	9	15	0
16,551	1977	6	22	9	30	0
16,552	1977	6	22	9	45	0
16,553	1977	6	22	10	0	0
16,554	1977	6	22	10	15	0
16,555	1977	6	22	10	30	0
16,556	1977	6	22	10	45	0
16,557	1977	6	22	11	0	0
16,558	1977	6	22	11	15	0
16,559	1977	6	22	11	30	0
16,560	1977	6	22	11	45	0
16,561	1977	6	22	12	0	0
16,562	1977	6	22	12	15	0
16,563	1977	6	22	12	30	0
16,564	1977	6	22	12	45	0
16,565	1977	6	22	13	0	0
16,566	1977	6	22	13	15	0
16,567	1977	6	22	13	30	0
16,568	1977	6	22	13	45	0
16,569	1977	6	22	14	0	0
16,570	1977	6	22	14	15	0
16,571	1977	6	22	14	30	0
16,572	1977	6	22	14	45	0
16,573	1977	6	22	15	0	0
16,574	1977	6	22	15	15	0
16,575	1977	6	22	15	30	0
16,576	1977	6	22	15	45	0
16,577	1977	6	22	16	0	0
16,578	1977	6	22	16	15	0
16,579	1977	6	22	16	30	0
16,580	1977	6	22	16	45	0
16,581	1977	6	22	17	0	0
16,582	1977	6	22	17	15	0
16,583	1977	6	22	17	30	0
16,584	1977	6	22	17	45	0
16,585	1977	6	22	18	0	0
16,586	1977	6	22	18	15	0
16,587	1977	6	22	18	30	0
16,588	1977	6	22	18	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
16,589	1977	6	22	19	0	0
16,590	1977	6	22	19	15	0
16,591	1977	6	22	19	30	0
16,592	1977	6	22	19	45	0
16,593	1977	6	22	20	0	0
16,594	1977	6	22	20	15	0
16,595	1977	6	22	20	30	0
16,596	1977	6	22	20	45	0
16,597	1977	6	22	21	0	0
16,598	1977	6	22	21	15	0
16,599	1977	6	22	21	30	0
16,600	1977	6	22	21	45	0
16,601	1977	6	22	22	0	0
16,602	1977	6	22	22	15	0
16,603	1977	6	22	22	30	0
16,604	1977	6	22	22	45	0
16,605	1977	6	22	23	0	0
16,606	1977	6	22	23	15	0
16,607	1977	6	22	23	30	0
16,608	1977	6	22	23	45	0
16,609	1977	6	23	0	0	0
16,610	1977	6	23	0	15	0
16,611	1977	6	23	0	30	0
16,612	1977	6	23	0	45	0
16,613	1977	6	23	1	0	0
16,614	1977	6	23	1	15	0
16,615	1977	6	23	1	30	0
16,616	1977	6	23	1	45	0
16,617	1977	6	23	2	0	0
16,618	1977	6	23	2	15	0
16,619	1977	6	23	2	30	0
16,620	1977	6	23	2	45	0
16,621	1977	6	23	3	0	0
16,622	1977	6	23	3	15	0
16,623	1977	6	23	3	30	0
16,624	1977	6	23	3	45	0
16,625	1977	6	23	4	0	0
16,626	1977	6	23	4	15	0
16,627	1977	6	23	4	30	0
16,628	1977	6	23	4	45	0
16,629	1977	6	23	5	0	0
16,630	1977	6	23	5	15	0
16,631	1977	6	23	5	30	0
16,632	1977	6	23	5	45	0
16,633	1977	6	23	6	0	0
16,634	1977	6	23	6	15	0
16,635	1977	6	23	6	30	0
16,636	1977	6	23	6	45	0
16,637	1977	6	23	7	0	0
16,638	1977	6	23	7	15	0
16,639	1977	6	23	7	30	0
16,640	1977	6	23	7	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
16,641	1977	6	23	8	0	0
16,642	1977	6	23	8	15	0
16,643	1977	6	23	8	30	0
16,644	1977	6	23	8	45	0
16,645	1977	6	23	9	0	0
16,646	1977	6	23	9	15	0
16,647	1977	6	23	9	30	0
16,648	1977	6	23	9	45	0
16,649	1977	6	23	10	0	0
16,650	1977	6	23	10	15	0
16,651	1977	6	23	10	30	0
16,652	1977	6	23	10	45	0
16,653	1977	6	23	11	0	0
16,654	1977	6	23	11	15	0
16,655	1977	6	23	11	30	0
16,656	1977	6	23	11	45	0
16,657	1977	6	23	12	0	0
16,658	1977	6	23	12	15	0
16,659	1977	6	23	12	30	0
16,660	1977	6	23	12	45	0
16,661	1977	6	23	13	0	0
16,662	1977	6	23	13	15	0
16,663	1977	6	23	13	30	0
16,664	1977	6	23	13	45	0
16,665	1977	6	23	14	0	0
16,666	1977	6	23	14	15	0
16,667	1977	6	23	14	30	0
16,668	1977	6	23	14	45	0
16,669	1977	6	23	15	0	0
16,670	1977	6	23	15	15	0
16,671	1977	6	23	15	30	0
16,672	1977	6	23	15	45	0
16,673	1977	6	23	16	0	0
16,674	1977	6	23	16	15	0
16,675	1977	6	23	16	30	0
16,676	1977	6	23	16	45	0
16,677	1977	6	23	17	0	0
16,678	1977	6	23	17	15	0
16,679	1977	6	23	17	30	0
16,680	1977	6	23	17	45	0
16,681	1977	6	23	18	0	0
16,682	1977	6	23	18	15	0
16,683	1977	6	23	18	30	0
16,684	1977	6	23	18	45	0
16,685	1977	6	23	19	0	0
16,686	1977	6	23	19	15	0
16,687	1977	6	23	19	30	0
16,688	1977	6	23	19	45	0
16,689	1977	6	23	20	0	0
16,690	1977	6	23	20	15	0
16,691	1977	6	23	20	30	0
16,692	1977	6	23	20	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
16,693	1977	6	23	21	0	0
16,694	1977	6	23	21	15	0
16,695	1977	6	23	21	30	0
16,696	1977	6	23	21	45	0
16,697	1977	6	23	22	0	0
16,698	1977	6	23	22	15	0
16,699	1977	6	23	22	30	0
16,700	1977	6	23	22	45	0
16,701	1977	6	23	23	0	0
16,702	1977	6	23	23	15	0
16,703	1977	6	23	23	30	0
16,704	1977	6	23	23	45	0
16,705	1977	6	24	0	0	0
16,706	1977	6	24	0	15	0
16,707	1977	6	24	0	30	0
16,708	1977	6	24	0	45	0
16,709	1977	6	24	1	0	0
16,710	1977	6	24	1	15	0
16,711	1977	6	24	1	30	0
16,712	1977	6	24	1	45	0
16,713	1977	6	24	2	0	0
16,714	1977	6	24	2	15	0
16,715	1977	6	24	2	30	0
16,716	1977	6	24	2	45	0
16,717	1977	6	24	3	0	0
16,718	1977	6	24	3	15	0
16,719	1977	6	24	3	30	0
16,720	1977	6	24	3	45	0
16,721	1977	6	24	4	0	0
16,722	1977	6	24	4	15	0
16,723	1977	6	24	4	30	0
16,724	1977	6	24	4	45	0
16,725	1977	6	24	5	0	0
16,726	1977	6	24	5	15	0
16,727	1977	6	24	5	30	0
16,728	1977	6	24	5	45	0
16,729	1977	6	24	6	0	0
16,730	1977	6	24	6	15	0
16,731	1977	6	24	6	30	0
16,732	1977	6	24	6	45	0
16,733	1977	6	24	7	0	0
16,734	1977	6	24	7	15	0
16,735	1977	6	24	7	30	0
16,736	1977	6	24	7	45	0
16,737	1977	6	24	8	0	0
16,738	1977	6	24	8	15	0
16,739	1977	6	24	8	30	0
16,740	1977	6	24	8	45	0
16,741	1977	6	24	9	0	0
16,742	1977	6	24	9	15	0
16,743	1977	6	24	9	30	0
16,744	1977	6	24	9	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
16,745	1977	6	24	10	0	0
16,746	1977	6	24	10	15	0
16,747	1977	6	24	10	30	0
16,748	1977	6	24	10	45	0
16,749	1977	6	24	11	0	0
16,750	1977	6	24	11	15	0
16,751	1977	6	24	11	30	0
16,752	1977	6	24	11	45	0
16,753	1977	6	24	12	0	0
16,754	1977	6	24	12	15	0
16,755	1977	6	24	12	30	0
16,756	1977	6	24	12	45	0
16,757	1977	6	24	13	0	0
16,758	1977	6	24	13	15	0
16,759	1977	6	24	13	30	0
16,760	1977	6	24	13	45	0
16,761	1977	6	24	14	0	0
16,762	1977	6	24	14	15	0
16,763	1977	6	24	14	30	0
16,764	1977	6	24	14	45	0
16,765	1977	6	24	15	0	0
16,766	1977	6	24	15	15	0
16,767	1977	6	24	15	30	0
16,768	1977	6	24	15	45	0
16,769	1977	6	24	16	0	0
16,770	1977	6	24	16	15	0
16,771	1977	6	24	16	30	0
16,772	1977	6	24	16	45	0
16,773	1977	6	24	17	0	0
16,774	1977	6	24	17	15	0
16,775	1977	6	24	17	30	0
16,776	1977	6	24	17	45	0
16,777	1977	6	24	18	0	0
16,778	1977	6	24	18	15	0
16,779	1977	6	24	18	30	0
16,780	1977	6	24	18	45	0
16,781	1977	6	24	19	0	0
16,782	1977	6	24	19	15	0
16,783	1977	6	24	19	30	0
16,784	1977	6	24	19	45	0
16,785	1977	6	24	20	0	0
16,786	1977	6	24	20	15	0
16,787	1977	6	24	20	30	0
16,788	1977	6	24	20	45	0
16,789	1977	6	24	21	0	0
16,790	1977	6	24	21	15	0
16,791	1977	6	24	21	30	0
16,792	1977	6	24	21	45	0
16,793	1977	6	24	22	0	0
16,794	1977	6	24	22	15	0
16,795	1977	6	24	22	30	0
16,796	1977	6	24	22	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
16,797	1977	6	24	23	0	0
16,798	1977	6	24	23	15	0
16,799	1977	6	24	23	30	0
16,800	1977	6	24	23	45	0
16,801	1977	6	25	0	0	0
16,802	1977	6	25	0	15	0
16,803	1977	6	25	0	30	0
16,804	1977	6	25	0	45	0
16,805	1977	6	25	1	0	0
16,806	1977	6	25	1	15	0
16,807	1977	6	25	1	30	0
16,808	1977	6	25	1	45	0
16,809	1977	6	25	2	0	0.005
16,810	1977	6	25	2	15	0.005
16,811	1977	6	25	2	30	0.005
16,812	1977	6	25	2	45	0.005
16,813	1977	6	25	3	0	0
16,814	1977	6	25	3	15	0
16,815	1977	6	25	3	30	0
16,816	1977	6	25	3	45	0
16,817	1977	6	25	4	0	0
16,818	1977	6	25	4	15	0
16,819	1977	6	25	4	30	0
16,820	1977	6	25	4	45	0
16,821	1977	6	25	5	0	0.0075
16,822	1977	6	25	5	15	0.0075
16,823	1977	6	25	5	30	0.0075
16,824	1977	6	25	5	45	0.0075
16,825	1977	6	25	6	0	0.0725
16,826	1977	6	25	6	15	0.0725
16,827	1977	6	25	6	30	0.0725
16,828	1977	6	25	6	45	0.0725
16,829	1977	6	25	7	0	0.0025
16,830	1977	6	25	7	15	0.0025
16,831	1977	6	25	7	30	0.0025
16,832	1977	6	25	7	45	0.0025
16,833	1977	6	25	8	0	0
16,834	1977	6	25	8	15	0
16,835	1977	6	25	8	30	0
16,836	1977	6	25	8	45	0
16,837	1977	6	25	9	0	0
16,838	1977	6	25	9	15	0
16,839	1977	6	25	9	30	0
16,840	1977	6	25	9	45	0
16,841	1977	6	25	10	0	0
16,842	1977	6	25	10	15	0
16,843	1977	6	25	10	30	0
16,844	1977	6	25	10	45	0
16,845	1977	6	25	11	0	0
16,846	1977	6	25	11	15	0
16,847	1977	6	25	11	30	0
16,848	1977	6	25	11	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
16,849	1977	6	25	12	0	0
16,850	1977	6	25	12	15	0
16,851	1977	6	25	12	30	0
16,852	1977	6	25	12	45	0
16,853	1977	6	25	13	0	0
16,854	1977	6	25	13	15	0
16,855	1977	6	25	13	30	0
16,856	1977	6	25	13	45	0
16,857	1977	6	25	14	0	0
16,858	1977	6	25	14	15	0
16,859	1977	6	25	14	30	0
16,860	1977	6	25	14	45	0
16,861	1977	6	25	15	0	0
16,862	1977	6	25	15	15	0
16,863	1977	6	25	15	30	0
16,864	1977	6	25	15	45	0
16,865	1977	6	25	16	0	0
16,866	1977	6	25	16	15	0
16,867	1977	6	25	16	30	0
16,868	1977	6	25	16	45	0
16,869	1977	6	25	17	0	0
16,870	1977	6	25	17	15	0
16,871	1977	6	25	17	30	0
16,872	1977	6	25	17	45	0
16,873	1977	6	25	18	0	0
16,874	1977	6	25	18	15	0
16,875	1977	6	25	18	30	0
16,876	1977	6	25	18	45	0
16,877	1977	6	25	19	0	0
16,878	1977	6	25	19	15	0
16,879	1977	6	25	19	30	0
16,880	1977	6	25	19	45	0
16,881	1977	6	25	20	0	0
16,882	1977	6	25	20	15	0
16,883	1977	6	25	20	30	0
16,884	1977	6	25	20	45	0
16,885	1977	6	25	21	0	0
16,886	1977	6	25	21	15	0
16,887	1977	6	25	21	30	0
16,888	1977	6	25	21	45	0
16,889	1977	6	25	22	0	0
16,890	1977	6	25	22	15	0
16,891	1977	6	25	22	30	0
16,892	1977	6	25	22	45	0
16,893	1977	6	25	23	0	0
16,894	1977	6	25	23	15	0
16,895	1977	6	25	23	30	0
16,896	1977	6	25	23	45	0
16,897	1977	6	26	0	0	0
16,898	1977	6	26	0	15	0
16,899	1977	6	26	0	30	0
16,900	1977	6	26	0	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
16,901	1977	6	26	1	0	0
16,902	1977	6	26	1	15	0
16,903	1977	6	26	1	30	0
16,904	1977	6	26	1	45	0
16,905	1977	6	26	2	0	0
16,906	1977	6	26	2	15	0
16,907	1977	6	26	2	30	0
16,908	1977	6	26	2	45	0
16,909	1977	6	26	3	0	0
16,910	1977	6	26	3	15	0
16,911	1977	6	26	3	30	0
16,912	1977	6	26	3	45	0
16,913	1977	6	26	4	0	0
16,914	1977	6	26	4	15	0
16,915	1977	6	26	4	30	0
16,916	1977	6	26	4	45	0
16,917	1977	6	26	5	0	0
16,918	1977	6	26	5	15	0
16,919	1977	6	26	5	30	0
16,920	1977	6	26	5	45	0
16,921	1977	6	26	6	0	0
16,922	1977	6	26	6	15	0
16,923	1977	6	26	6	30	0
16,924	1977	6	26	6	45	0
16,925	1977	6	26	7	0	0
16,926	1977	6	26	7	15	0
16,927	1977	6	26	7	30	0
16,928	1977	6	26	7	45	0
16,929	1977	6	26	8	0	0
16,930	1977	6	26	8	15	0
16,931	1977	6	26	8	30	0
16,932	1977	6	26	8	45	0
16,933	1977	6	26	9	0	0
16,934	1977	6	26	9	15	0
16,935	1977	6	26	9	30	0
16,936	1977	6	26	9	45	0
16,937	1977	6	26	10	0	0
16,938	1977	6	26	10	15	0
16,939	1977	6	26	10	30	0
16,940	1977	6	26	10	45	0
16,941	1977	6	26	11	0	0
16,942	1977	6	26	11	15	0
16,943	1977	6	26	11	30	0
16,944	1977	6	26	11	45	0
16,945	1977	6	26	12	0	0
16,946	1977	6	26	12	15	0
16,947	1977	6	26	12	30	0
16,948	1977	6	26	12	45	0
16,949	1977	6	26	13	0	0
16,950	1977	6	26	13	15	0
16,951	1977	6	26	13	30	0
16,952	1977	6	26	13	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
16,953	1977	6	26	14	0	0
16,954	1977	6	26	14	15	0
16,955	1977	6	26	14	30	0
16,956	1977	6	26	14	45	0
16,957	1977	6	26	15	0	0
16,958	1977	6	26	15	15	0
16,959	1977	6	26	15	30	0
16,960	1977	6	26	15	45	0
16,961	1977	6	26	16	0	0
16,962	1977	6	26	16	15	0
16,963	1977	6	26	16	30	0
16,964	1977	6	26	16	45	0
16,965	1977	6	26	17	0	0
16,966	1977	6	26	17	15	0
16,967	1977	6	26	17	30	0
16,968	1977	6	26	17	45	0
16,969	1977	6	26	18	0	0
16,970	1977	6	26	18	15	0
16,971	1977	6	26	18	30	0
16,972	1977	6	26	18	45	0
16,973	1977	6	26	19	0	0
16,974	1977	6	26	19	15	0
16,975	1977	6	26	19	30	0
16,976	1977	6	26	19	45	0
16,977	1977	6	26	20	0	0
16,978	1977	6	26	20	15	0
16,979	1977	6	26	20	30	0
16,980	1977	6	26	20	45	0
16,981	1977	6	26	21	0	0
16,982	1977	6	26	21	15	0
16,983	1977	6	26	21	30	0
16,984	1977	6	26	21	45	0
16,985	1977	6	26	22	0	0
16,986	1977	6	26	22	15	0
16,987	1977	6	26	22	30	0
16,988	1977	6	26	22	45	0
16,989	1977	6	26	23	0	0
16,990	1977	6	26	23	15	0
16,991	1977	6	26	23	30	0
16,992	1977	6	26	23	45	0
16,993	1977	6	27	0	0	0
16,994	1977	6	27	0	15	0
16,995	1977	6	27	0	30	0
16,996	1977	6	27	0	45	0
16,997	1977	6	27	1	0	0
16,998	1977	6	27	1	15	0
16,999	1977	6	27	1	30	0
17,000	1977	6	27	1	45	0
17,001	1977	6	27	2	0	0
17,002	1977	6	27	2	15	0
17,003	1977	6	27	2	30	0
17,004	1977	6	27	2	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
17,005	1977	6	27	3	0	0
17,006	1977	6	27	3	15	0
17,007	1977	6	27	3	30	0
17,008	1977	6	27	3	45	0
17,009	1977	6	27	4	0	0
17,010	1977	6	27	4	15	0
17,011	1977	6	27	4	30	0
17,012	1977	6	27	4	45	0
17,013	1977	6	27	5	0	0
17,014	1977	6	27	5	15	0
17,015	1977	6	27	5	30	0
17,016	1977	6	27	5	45	0
17,017	1977	6	27	6	0	0
17,018	1977	6	27	6	15	0
17,019	1977	6	27	6	30	0
17,020	1977	6	27	6	45	0
17,021	1977	6	27	7	0	0
17,022	1977	6	27	7	15	0
17,023	1977	6	27	7	30	0
17,024	1977	6	27	7	45	0
17,025	1977	6	27	8	0	0
17,026	1977	6	27	8	15	0
17,027	1977	6	27	8	30	0
17,028	1977	6	27	8	45	0
17,029	1977	6	27	9	0	0
17,030	1977	6	27	9	15	0
17,031	1977	6	27	9	30	0
17,032	1977	6	27	9	45	0
17,033	1977	6	27	10	0	0
17,034	1977	6	27	10	15	0
17,035	1977	6	27	10	30	0
17,036	1977	6	27	10	45	0
17,037	1977	6	27	11	0	0
17,038	1977	6	27	11	15	0
17,039	1977	6	27	11	30	0
17,040	1977	6	27	11	45	0
17,041	1977	6	27	12	0	0
17,042	1977	6	27	12	15	0
17,043	1977	6	27	12	30	0
17,044	1977	6	27	12	45	0
17,045	1977	6	27	13	0	0
17,046	1977	6	27	13	15	0
17,047	1977	6	27	13	30	0
17,048	1977	6	27	13	45	0
17,049	1977	6	27	14	0	0
17,050	1977	6	27	14	15	0
17,051	1977	6	27	14	30	0
17,052	1977	6	27	14	45	0
17,053	1977	6	27	15	0	0
17,054	1977	6	27	15	15	0
17,055	1977	6	27	15	30	0
17,056	1977	6	27	15	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
17,057	1977	6	27	16	0	0
17,058	1977	6	27	16	15	0
17,059	1977	6	27	16	30	0
17,060	1977	6	27	16	45	0
17,061	1977	6	27	17	0	0
17,062	1977	6	27	17	15	0
17,063	1977	6	27	17	30	0
17,064	1977	6	27	17	45	0
17,065	1977	6	27	18	0	0
17,066	1977	6	27	18	15	0
17,067	1977	6	27	18	30	0
17,068	1977	6	27	18	45	0
17,069	1977	6	27	19	0	0
17,070	1977	6	27	19	15	0
17,071	1977	6	27	19	30	0
17,072	1977	6	27	19	45	0
17,073	1977	6	27	20	0	0
17,074	1977	6	27	20	15	0
17,075	1977	6	27	20	30	0
17,076	1977	6	27	20	45	0
17,077	1977	6	27	21	0	0
17,078	1977	6	27	21	15	0
17,079	1977	6	27	21	30	0
17,080	1977	6	27	21	45	0
17,081	1977	6	27	22	0	0
17,082	1977	6	27	22	15	0
17,083	1977	6	27	22	30	0
17,084	1977	6	27	22	45	0
17,085	1977	6	27	23	0	0
17,086	1977	6	27	23	15	0
17,087	1977	6	27	23	30	0
17,088	1977	6	27	23	45	0
17,089	1977	6	28	0	0	0
17,090	1977	6	28	0	15	0
17,091	1977	6	28	0	30	0
17,092	1977	6	28	0	45	0
17,093	1977	6	28	1	0	0
17,094	1977	6	28	1	15	0
17,095	1977	6	28	1	30	0
17,096	1977	6	28	1	45	0
17,097	1977	6	28	2	0	0
17,098	1977	6	28	2	15	0
17,099	1977	6	28	2	30	0
17,100	1977	6	28	2	45	0
17,101	1977	6	28	3	0	0
17,102	1977	6	28	3	15	0
17,103	1977	6	28	3	30	0
17,104	1977	6	28	3	45	0
17,105	1977	6	28	4	0	0
17,106	1977	6	28	4	15	0
17,107	1977	6	28	4	30	0
17,108	1977	6	28	4	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
17,109	1977	6	28	5	0	0
17,110	1977	6	28	5	15	0
17,111	1977	6	28	5	30	0
17,112	1977	6	28	5	45	0
17,113	1977	6	28	6	0	0
17,114	1977	6	28	6	15	0
17,115	1977	6	28	6	30	0
17,116	1977	6	28	6	45	0
17,117	1977	6	28	7	0	0
17,118	1977	6	28	7	15	0
17,119	1977	6	28	7	30	0
17,120	1977	6	28	7	45	0
17,121	1977	6	28	8	0	0
17,122	1977	6	28	8	15	0
17,123	1977	6	28	8	30	0
17,124	1977	6	28	8	45	0
17,125	1977	6	28	9	0	0
17,126	1977	6	28	9	15	0
17,127	1977	6	28	9	30	0
17,128	1977	6	28	9	45	0
17,129	1977	6	28	10	0	0
17,130	1977	6	28	10	15	0
17,131	1977	6	28	10	30	0
17,132	1977	6	28	10	45	0
17,133	1977	6	28	11	0	0
17,134	1977	6	28	11	15	0
17,135	1977	6	28	11	30	0
17,136	1977	6	28	11	45	0
17,137	1977	6	28	12	0	0
17,138	1977	6	28	12	15	0
17,139	1977	6	28	12	30	0
17,140	1977	6	28	12	45	0
17,141	1977	6	28	13	0	0
17,142	1977	6	28	13	15	0
17,143	1977	6	28	13	30	0
17,144	1977	6	28	13	45	0
17,145	1977	6	28	14	0	0
17,146	1977	6	28	14	15	0
17,147	1977	6	28	14	30	0
17,148	1977	6	28	14	45	0
17,149	1977	6	28	15	0	0
17,150	1977	6	28	15	15	0
17,151	1977	6	28	15	30	0
17,152	1977	6	28	15	45	0
17,153	1977	6	28	16	0	0
17,154	1977	6	28	16	15	0
17,155	1977	6	28	16	30	0
17,156	1977	6	28	16	45	0
17,157	1977	6	28	17	0	0.0025
17,158	1977	6	28	17	15	0.0025
17,159	1977	6	28	17	30	0.0025
17,160	1977	6	28	17	45	0.0025

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
17,161	1977	6	28	18	0	0
17,162	1977	6	28	18	15	0
17,163	1977	6	28	18	30	0
17,164	1977	6	28	18	45	0
17,165	1977	6	28	19	0	0
17,166	1977	6	28	19	15	0
17,167	1977	6	28	19	30	0
17,168	1977	6	28	19	45	0
17,169	1977	6	28	20	0	0
17,170	1977	6	28	20	15	0
17,171	1977	6	28	20	30	0
17,172	1977	6	28	20	45	0
17,173	1977	6	28	21	0	0
17,174	1977	6	28	21	15	0
17,175	1977	6	28	21	30	0
17,176	1977	6	28	21	45	0
17,177	1977	6	28	22	0	0.0175
17,178	1977	6	28	22	15	0.0175
17,179	1977	6	28	22	30	0.0175
17,180	1977	6	28	22	45	0.0175
17,181	1977	6	28	23	0	0.0025
17,182	1977	6	28	23	15	0.0025
17,183	1977	6	28	23	30	0.0025
17,184	1977	6	28	23	45	0.0025
17,185	1977	6	29	0	0	0
17,186	1977	6	29	0	15	0
17,187	1977	6	29	0	30	0
17,188	1977	6	29	0	45	0
17,189	1977	6	29	1	0	0
17,190	1977	6	29	1	15	0
17,191	1977	6	29	1	30	0
17,192	1977	6	29	1	45	0
17,193	1977	6	29	2	0	0
17,194	1977	6	29	2	15	0
17,195	1977	6	29	2	30	0
17,196	1977	6	29	2	45	0
17,197	1977	6	29	3	0	0.055
17,198	1977	6	29	3	15	0.055
17,199	1977	6	29	3	30	0.055
17,200	1977	6	29	3	45	0.055
17,201	1977	6	29	4	0	0.05
17,202	1977	6	29	4	15	0.05
17,203	1977	6	29	4	30	0.05
17,204	1977	6	29	4	45	0.05
17,205	1977	6	29	5	0	0
17,206	1977	6	29	5	15	0
17,207	1977	6	29	5	30	0
17,208	1977	6	29	5	45	0
17,209	1977	6	29	6	0	0
17,210	1977	6	29	6	15	0
17,211	1977	6	29	6	30	0
17,212	1977	6	29	6	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
17,213	1977	6	29	7	0	0
17,214	1977	6	29	7	15	0
17,215	1977	6	29	7	30	0
17,216	1977	6	29	7	45	0
17,217	1977	6	29	8	0	0
17,218	1977	6	29	8	15	0
17,219	1977	6	29	8	30	0
17,220	1977	6	29	8	45	0
17,221	1977	6	29	9	0	0
17,222	1977	6	29	9	15	0
17,223	1977	6	29	9	30	0
17,224	1977	6	29	9	45	0
17,225	1977	6	29	10	0	0
17,226	1977	6	29	10	15	0
17,227	1977	6	29	10	30	0
17,228	1977	6	29	10	45	0
17,229	1977	6	29	11	0	0
17,230	1977	6	29	11	15	0
17,231	1977	6	29	11	30	0
17,232	1977	6	29	11	45	0
17,233	1977	6	29	12	0	0
17,234	1977	6	29	12	15	0
17,235	1977	6	29	12	30	0
17,236	1977	6	29	12	45	0
17,237	1977	6	29	13	0	0
17,238	1977	6	29	13	15	0
17,239	1977	6	29	13	30	0
17,240	1977	6	29	13	45	0
17,241	1977	6	29	14	0	0
17,242	1977	6	29	14	15	0
17,243	1977	6	29	14	30	0
17,244	1977	6	29	14	45	0
17,245	1977	6	29	15	0	0
17,246	1977	6	29	15	15	0
17,247	1977	6	29	15	30	0
17,248	1977	6	29	15	45	0
17,249	1977	6	29	16	0	0
17,250	1977	6	29	16	15	0
17,251	1977	6	29	16	30	0
17,252	1977	6	29	16	45	0
17,253	1977	6	29	17	0	0
17,254	1977	6	29	17	15	0
17,255	1977	6	29	17	30	0
17,256	1977	6	29	17	45	0
17,257	1977	6	29	18	0	0
17,258	1977	6	29	18	15	0
17,259	1977	6	29	18	30	0
17,260	1977	6	29	18	45	0
17,261	1977	6	29	19	0	0
17,262	1977	6	29	19	15	0
17,263	1977	6	29	19	30	0
17,264	1977	6	29	19	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
17,265	1977	6	29	20	0	0
17,266	1977	6	29	20	15	0
17,267	1977	6	29	20	30	0
17,268	1977	6	29	20	45	0
17,269	1977	6	29	21	0	0
17,270	1977	6	29	21	15	0
17,271	1977	6	29	21	30	0
17,272	1977	6	29	21	45	0
17,273	1977	6	29	22	0	0
17,274	1977	6	29	22	15	0
17,275	1977	6	29	22	30	0
17,276	1977	6	29	22	45	0
17,277	1977	6	29	23	0	0
17,278	1977	6	29	23	15	0
17,279	1977	6	29	23	30	0
17,280	1977	6	29	23	45	0
17,281	1977	6	30	0	0	0
17,282	1977	6	30	0	15	0
17,283	1977	6	30	0	30	0
17,284	1977	6	30	0	45	0
17,285	1977	6	30	1	0	0
17,286	1977	6	30	1	15	0
17,287	1977	6	30	1	30	0
17,288	1977	6	30	1	45	0
17,289	1977	6	30	2	0	0
17,290	1977	6	30	2	15	0
17,291	1977	6	30	2	30	0
17,292	1977	6	30	2	45	0
17,293	1977	6	30	3	0	0
17,294	1977	6	30	3	15	0
17,295	1977	6	30	3	30	0
17,296	1977	6	30	3	45	0
17,297	1977	6	30	4	0	0
17,298	1977	6	30	4	15	0
17,299	1977	6	30	4	30	0
17,300	1977	6	30	4	45	0
17,301	1977	6	30	5	0	0
17,302	1977	6	30	5	15	0
17,303	1977	6	30	5	30	0
17,304	1977	6	30	5	45	0
17,305	1977	6	30	6	0	0
17,306	1977	6	30	6	15	0
17,307	1977	6	30	6	30	0
17,308	1977	6	30	6	45	0
17,309	1977	6	30	7	0	0
17,310	1977	6	30	7	15	0
17,311	1977	6	30	7	30	0
17,312	1977	6	30	7	45	0
17,313	1977	6	30	8	0	0
17,314	1977	6	30	8	15	0
17,315	1977	6	30	8	30	0
17,316	1977	6	30	8	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
17,317	1977	6	30	9	0	0
17,318	1977	6	30	9	15	0
17,319	1977	6	30	9	30	0
17,320	1977	6	30	9	45	0
17,321	1977	6	30	10	0	0
17,322	1977	6	30	10	15	0
17,323	1977	6	30	10	30	0
17,324	1977	6	30	10	45	0
17,325	1977	6	30	11	0	0
17,326	1977	6	30	11	15	0
17,327	1977	6	30	11	30	0
17,328	1977	6	30	11	45	0
17,329	1977	6	30	12	0	0
17,330	1977	6	30	12	15	0
17,331	1977	6	30	12	30	0
17,332	1977	6	30	12	45	0
17,333	1977	6	30	13	0	0
17,334	1977	6	30	13	15	0
17,335	1977	6	30	13	30	0
17,336	1977	6	30	13	45	0
17,337	1977	6	30	14	0	0
17,338	1977	6	30	14	15	0
17,339	1977	6	30	14	30	0
17,340	1977	6	30	14	45	0
17,341	1977	6	30	15	0	0.0275
17,342	1977	6	30	15	15	0.0275
17,343	1977	6	30	15	30	0.0275
17,344	1977	6	30	15	45	0.0275
17,345	1977	6	30	16	0	0.2075
17,346	1977	6	30	16	15	0.2075
17,347	1977	6	30	16	30	0.2075
17,348	1977	6	30	16	45	0.2075
17,349	1977	6	30	17	0	0.0025
17,350	1977	6	30	17	15	0.0025
17,351	1977	6	30	17	30	0.0025
17,352	1977	6	30	17	45	0.0025
17,353	1977	6	30	18	0	0
17,354	1977	6	30	18	15	0
17,355	1977	6	30	18	30	0
17,356	1977	6	30	18	45	0
17,357	1977	6	30	19	0	0
17,358	1977	6	30	19	15	0
17,359	1977	6	30	19	30	0
17,360	1977	6	30	19	45	0
17,361	1977	6	30	20	0	0
17,362	1977	6	30	20	15	0
17,363	1977	6	30	20	30	0
17,364	1977	6	30	20	45	0
17,365	1977	6	30	21	0	0.0325
17,366	1977	6	30	21	15	0.0325
17,367	1977	6	30	21	30	0.0325
17,368	1977	6	30	21	45	0.0325

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
17,369	1977	6	30	22	0	0.13
17,370	1977	6	30	22	15	0.13
17,371	1977	6	30	22	30	0.13
17,372	1977	6	30	22	45	0.13
17,373	1977	6	30	23	0	0.04
17,374	1977	6	30	23	15	0.04
17,375	1977	6	30	23	30	0.04
17,376	1977	6	30	23	45	0.04
17,377	1977	7	1	0	0	0.02
17,378	1977	7	1	0	15	0.02
17,379	1977	7	1	0	30	0.02
17,380	1977	7	1	0	45	0.02
17,381	1977	7	1	1	0	0.015
17,382	1977	7	1	1	15	0.015
17,383	1977	7	1	1	30	0.015
17,384	1977	7	1	1	45	0.015
17,385	1977	7	1	2	0	0
17,386	1977	7	1	2	15	0
17,387	1977	7	1	2	30	0
17,388	1977	7	1	2	45	0
17,389	1977	7	1	3	0	0
17,390	1977	7	1	3	15	0
17,391	1977	7	1	3	30	0
17,392	1977	7	1	3	45	0
17,393	1977	7	1	4	0	0
17,394	1977	7	1	4	15	0
17,395	1977	7	1	4	30	0
17,396	1977	7	1	4	45	0
17,397	1977	7	1	5	0	0
17,398	1977	7	1	5	15	0
17,399	1977	7	1	5	30	0
17,400	1977	7	1	5	45	0
17,401	1977	7	1	6	0	0
17,402	1977	7	1	6	15	0
17,403	1977	7	1	6	30	0
17,404	1977	7	1	6	45	0
17,405	1977	7	1	7	0	0
17,406	1977	7	1	7	15	0
17,407	1977	7	1	7	30	0
17,408	1977	7	1	7	45	0
17,409	1977	7	1	8	0	0
17,410	1977	7	1	8	15	0
17,411	1977	7	1	8	30	0
17,412	1977	7	1	8	45	0
17,413	1977	7	1	9	0	0
17,414	1977	7	1	9	15	0
17,415	1977	7	1	9	30	0
17,416	1977	7	1	9	45	0
17,417	1977	7	1	10	0	0
17,418	1977	7	1	10	15	0
17,419	1977	7	1	10	30	0
17,420	1977	7	1	10	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
17,421	1977	7	1	11	0	0
17,422	1977	7	1	11	15	0
17,423	1977	7	1	11	30	0
17,424	1977	7	1	11	45	0
17,425	1977	7	1	12	0	0
17,426	1977	7	1	12	15	0
17,427	1977	7	1	12	30	0
17,428	1977	7	1	12	45	0
17,429	1977	7	1	13	0	0
17,430	1977	7	1	13	15	0
17,431	1977	7	1	13	30	0
17,432	1977	7	1	13	45	0
17,433	1977	7	1	14	0	0
17,434	1977	7	1	14	15	0
17,435	1977	7	1	14	30	0
17,436	1977	7	1	14	45	0
17,437	1977	7	1	15	0	0
17,438	1977	7	1	15	15	0
17,439	1977	7	1	15	30	0
17,440	1977	7	1	15	45	0
17,441	1977	7	1	16	0	0
17,442	1977	7	1	16	15	0
17,443	1977	7	1	16	30	0
17,444	1977	7	1	16	45	0
17,445	1977	7	1	17	0	0
17,446	1977	7	1	17	15	0
17,447	1977	7	1	17	30	0
17,448	1977	7	1	17	45	0
17,449	1977	7	1	18	0	0
17,450	1977	7	1	18	15	0
17,451	1977	7	1	18	30	0
17,452	1977	7	1	18	45	0
17,453	1977	7	1	19	0	0
17,454	1977	7	1	19	15	0
17,455	1977	7	1	19	30	0
17,456	1977	7	1	19	45	0
17,457	1977	7	1	20	0	0
17,458	1977	7	1	20	15	0
17,459	1977	7	1	20	30	0
17,460	1977	7	1	20	45	0
17,461	1977	7	1	21	0	0
17,462	1977	7	1	21	15	0
17,463	1977	7	1	21	30	0
17,464	1977	7	1	21	45	0
17,465	1977	7	1	22	0	0
17,466	1977	7	1	22	15	0
17,467	1977	7	1	22	30	0
17,468	1977	7	1	22	45	0
17,469	1977	7	1	23	0	0
17,470	1977	7	1	23	15	0
17,471	1977	7	1	23	30	0
17,472	1977	7	1	23	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
17,473	1977	7	2	0	0	0
17,474	1977	7	2	0	15	0
17,475	1977	7	2	0	30	0
17,476	1977	7	2	0	45	0
17,477	1977	7	2	1	0	0
17,478	1977	7	2	1	15	0
17,479	1977	7	2	1	30	0
17,480	1977	7	2	1	45	0
17,481	1977	7	2	2	0	0
17,482	1977	7	2	2	15	0
17,483	1977	7	2	2	30	0
17,484	1977	7	2	2	45	0
17,485	1977	7	2	3	0	0
17,486	1977	7	2	3	15	0
17,487	1977	7	2	3	30	0
17,488	1977	7	2	3	45	0
17,489	1977	7	2	4	0	0
17,490	1977	7	2	4	15	0
17,491	1977	7	2	4	30	0
17,492	1977	7	2	4	45	0
17,493	1977	7	2	5	0	0
17,494	1977	7	2	5	15	0
17,495	1977	7	2	5	30	0
17,496	1977	7	2	5	45	0
17,497	1977	7	2	6	0	0
17,498	1977	7	2	6	15	0
17,499	1977	7	2	6	30	0
17,500	1977	7	2	6	45	0
17,501	1977	7	2	7	0	0
17,502	1977	7	2	7	15	0
17,503	1977	7	2	7	30	0
17,504	1977	7	2	7	45	0
17,505	1977	7	2	8	0	0
17,506	1977	7	2	8	15	0
17,507	1977	7	2	8	30	0
17,508	1977	7	2	8	45	0
17,509	1977	7	2	9	0	0
17,510	1977	7	2	9	15	0
17,511	1977	7	2	9	30	0
17,512	1977	7	2	9	45	0
17,513	1977	7	2	10	0	0
17,514	1977	7	2	10	15	0
17,515	1977	7	2	10	30	0
17,516	1977	7	2	10	45	0
17,517	1977	7	2	11	0	0
17,518	1977	7	2	11	15	0
17,519	1977	7	2	11	30	0
17,520	1977	7	2	11	45	0
17,521	1977	7	2	12	0	0
17,522	1977	7	2	12	15	0
17,523	1977	7	2	12	30	0
17,524	1977	7	2	12	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
17,525	1977	7	2	13	0	0
17,526	1977	7	2	13	15	0
17,527	1977	7	2	13	30	0
17,528	1977	7	2	13	45	0
17,529	1977	7	2	14	0	0
17,530	1977	7	2	14	15	0
17,531	1977	7	2	14	30	0
17,532	1977	7	2	14	45	0
17,533	1977	7	2	15	0	0
17,534	1977	7	2	15	15	0
17,535	1977	7	2	15	30	0
17,536	1977	7	2	15	45	0
17,537	1977	7	2	16	0	0
17,538	1977	7	2	16	15	0
17,539	1977	7	2	16	30	0
17,540	1977	7	2	16	45	0
17,541	1977	7	2	17	0	0
17,542	1977	7	2	17	15	0
17,543	1977	7	2	17	30	0
17,544	1977	7	2	17	45	0
17,545	1977	7	2	18	0	0
17,546	1977	7	2	18	15	0
17,547	1977	7	2	18	30	0
17,548	1977	7	2	18	45	0
17,549	1977	7	2	19	0	0
17,550	1977	7	2	19	15	0
17,551	1977	7	2	19	30	0
17,552	1977	7	2	19	45	0
17,553	1977	7	2	20	0	0
17,554	1977	7	2	20	15	0
17,555	1977	7	2	20	30	0
17,556	1977	7	2	20	45	0
17,557	1977	7	2	21	0	0
17,558	1977	7	2	21	15	0
17,559	1977	7	2	21	30	0
17,560	1977	7	2	21	45	0
17,561	1977	7	2	22	0	0
17,562	1977	7	2	22	15	0
17,563	1977	7	2	22	30	0
17,564	1977	7	2	22	45	0
17,565	1977	7	2	23	0	0
17,566	1977	7	2	23	15	0
17,567	1977	7	2	23	30	0
17,568	1977	7	2	23	45	0
17,569	1977	7	3	0	0	0
17,570	1977	7	3	0	15	0
17,571	1977	7	3	0	30	0
17,572	1977	7	3	0	45	0
17,573	1977	7	3	1	0	0
17,574	1977	7	3	1	15	0
17,575	1977	7	3	1	30	0
17,576	1977	7	3	1	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
17,577	1977	7	3	2	0	0
17,578	1977	7	3	2	15	0
17,579	1977	7	3	2	30	0
17,580	1977	7	3	2	45	0
17,581	1977	7	3	3	0	0
17,582	1977	7	3	3	15	0
17,583	1977	7	3	3	30	0
17,584	1977	7	3	3	45	0
17,585	1977	7	3	4	0	0
17,586	1977	7	3	4	15	0
17,587	1977	7	3	4	30	0
17,588	1977	7	3	4	45	0
17,589	1977	7	3	5	0	0
17,590	1977	7	3	5	15	0
17,591	1977	7	3	5	30	0
17,592	1977	7	3	5	45	0
17,593	1977	7	3	6	0	0
17,594	1977	7	3	6	15	0
17,595	1977	7	3	6	30	0
17,596	1977	7	3	6	45	0
17,597	1977	7	3	7	0	0
17,598	1977	7	3	7	15	0
17,599	1977	7	3	7	30	0
17,600	1977	7	3	7	45	0
17,601	1977	7	3	8	0	0
17,602	1977	7	3	8	15	0
17,603	1977	7	3	8	30	0
17,604	1977	7	3	8	45	0
17,605	1977	7	3	9	0	0
17,606	1977	7	3	9	15	0
17,607	1977	7	3	9	30	0
17,608	1977	7	3	9	45	0
17,609	1977	7	3	10	0	0
17,610	1977	7	3	10	15	0
17,611	1977	7	3	10	30	0
17,612	1977	7	3	10	45	0
17,613	1977	7	3	11	0	0
17,614	1977	7	3	11	15	0
17,615	1977	7	3	11	30	0
17,616	1977	7	3	11	45	0
17,617	1977	7	3	12	0	0
17,618	1977	7	3	12	15	0
17,619	1977	7	3	12	30	0
17,620	1977	7	3	12	45	0
17,621	1977	7	3	13	0	0
17,622	1977	7	3	13	15	0
17,623	1977	7	3	13	30	0
17,624	1977	7	3	13	45	0
17,625	1977	7	3	14	0	0
17,626	1977	7	3	14	15	0
17,627	1977	7	3	14	30	0
17,628	1977	7	3	14	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
17,629	1977	7	3	15	0	0
17,630	1977	7	3	15	15	0
17,631	1977	7	3	15	30	0
17,632	1977	7	3	15	45	0
17,633	1977	7	3	16	0	0
17,634	1977	7	3	16	15	0
17,635	1977	7	3	16	30	0
17,636	1977	7	3	16	45	0
17,637	1977	7	3	17	0	0
17,638	1977	7	3	17	15	0
17,639	1977	7	3	17	30	0
17,640	1977	7	3	17	45	0
17,641	1977	7	3	18	0	0
17,642	1977	7	3	18	15	0
17,643	1977	7	3	18	30	0
17,644	1977	7	3	18	45	0
17,645	1977	7	3	19	0	0
17,646	1977	7	3	19	15	0
17,647	1977	7	3	19	30	0
17,648	1977	7	3	19	45	0
17,649	1977	7	3	20	0	0
17,650	1977	7	3	20	15	0
17,651	1977	7	3	20	30	0
17,652	1977	7	3	20	45	0
17,653	1977	7	3	21	0	0
17,654	1977	7	3	21	15	0
17,655	1977	7	3	21	30	0
17,656	1977	7	3	21	45	0
17,657	1977	7	3	22	0	0
17,658	1977	7	3	22	15	0
17,659	1977	7	3	22	30	0
17,660	1977	7	3	22	45	0
17,661	1977	7	3	23	0	0
17,662	1977	7	3	23	15	0
17,663	1977	7	3	23	30	0
17,664	1977	7	3	23	45	0
17,665	1977	7	4	0	0	0
17,666	1977	7	4	0	15	0
17,667	1977	7	4	0	30	0
17,668	1977	7	4	0	45	0
17,669	1977	7	4	1	0	0
17,670	1977	7	4	1	15	0
17,671	1977	7	4	1	30	0
17,672	1977	7	4	1	45	0
17,673	1977	7	4	2	0	0.005
17,674	1977	7	4	2	15	0.005
17,675	1977	7	4	2	30	0.005
17,676	1977	7	4	2	45	0.005
17,677	1977	7	4	3	0	0
17,678	1977	7	4	3	15	0
17,679	1977	7	4	3	30	0
17,680	1977	7	4	3	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
17,681	1977	7	4	4	0	0
17,682	1977	7	4	4	15	0
17,683	1977	7	4	4	30	0
17,684	1977	7	4	4	45	0
17,685	1977	7	4	5	0	0.0025
17,686	1977	7	4	5	15	0.0025
17,687	1977	7	4	5	30	0.0025
17,688	1977	7	4	5	45	0.0025
17,689	1977	7	4	6	0	0
17,690	1977	7	4	6	15	0
17,691	1977	7	4	6	30	0
17,692	1977	7	4	6	45	0
17,693	1977	7	4	7	0	0.045
17,694	1977	7	4	7	15	0.045
17,695	1977	7	4	7	30	0.045
17,696	1977	7	4	7	45	0.045
17,697	1977	7	4	8	0	0.0275
17,698	1977	7	4	8	15	0.0275
17,699	1977	7	4	8	30	0.0275
17,700	1977	7	4	8	45	0.0275
17,701	1977	7	4	9	0	0.0025
17,702	1977	7	4	9	15	0.0025
17,703	1977	7	4	9	30	0.0025
17,704	1977	7	4	9	45	0.0025
17,705	1977	7	4	10	0	0
17,706	1977	7	4	10	15	0
17,707	1977	7	4	10	30	0
17,708	1977	7	4	10	45	0
17,709	1977	7	4	11	0	0
17,710	1977	7	4	11	15	0
17,711	1977	7	4	11	30	0
17,712	1977	7	4	11	45	0
17,713	1977	7	4	12	0	0
17,714	1977	7	4	12	15	0
17,715	1977	7	4	12	30	0
17,716	1977	7	4	12	45	0
17,717	1977	7	4	13	0	0
17,718	1977	7	4	13	15	0
17,719	1977	7	4	13	30	0
17,720	1977	7	4	13	45	0
17,721	1977	7	4	14	0	0
17,722	1977	7	4	14	15	0
17,723	1977	7	4	14	30	0
17,724	1977	7	4	14	45	0
17,725	1977	7	4	15	0	0
17,726	1977	7	4	15	15	0
17,727	1977	7	4	15	30	0
17,728	1977	7	4	15	45	0
17,729	1977	7	4	16	0	0
17,730	1977	7	4	16	15	0
17,731	1977	7	4	16	30	0
17,732	1977	7	4	16	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
17,733	1977	7	4	17	0	0
17,734	1977	7	4	17	15	0
17,735	1977	7	4	17	30	0
17,736	1977	7	4	17	45	0
17,737	1977	7	4	18	0	0
17,738	1977	7	4	18	15	0
17,739	1977	7	4	18	30	0
17,740	1977	7	4	18	45	0
17,741	1977	7	4	19	0	0.0025
17,742	1977	7	4	19	15	0.0025
17,743	1977	7	4	19	30	0.0025
17,744	1977	7	4	19	45	0.0025
17,745	1977	7	4	20	0	0.0025
17,746	1977	7	4	20	15	0.0025
17,747	1977	7	4	20	30	0.0025
17,748	1977	7	4	20	45	0.0025
17,749	1977	7	4	21	0	0.005
17,750	1977	7	4	21	15	0.005
17,751	1977	7	4	21	30	0.005
17,752	1977	7	4	21	45	0.005
17,753	1977	7	4	22	0	0
17,754	1977	7	4	22	15	0
17,755	1977	7	4	22	30	0
17,756	1977	7	4	22	45	0
17,757	1977	7	4	23	0	0
17,758	1977	7	4	23	15	0
17,759	1977	7	4	23	30	0
17,760	1977	7	4	23	45	0
17,761	1977	7	5	0	0	0
17,762	1977	7	5	0	15	0
17,763	1977	7	5	0	30	0
17,764	1977	7	5	0	45	0
17,765	1977	7	5	1	0	0
17,766	1977	7	5	1	15	0
17,767	1977	7	5	1	30	0
17,768	1977	7	5	1	45	0
17,769	1977	7	5	2	0	0
17,770	1977	7	5	2	15	0
17,771	1977	7	5	2	30	0
17,772	1977	7	5	2	45	0
17,773	1977	7	5	3	0	0.005
17,774	1977	7	5	3	15	0.005
17,775	1977	7	5	3	30	0.005
17,776	1977	7	5	3	45	0.005
17,777	1977	7	5	4	0	0.0025
17,778	1977	7	5	4	15	0.0025
17,779	1977	7	5	4	30	0.0025
17,780	1977	7	5	4	45	0.0025
17,781	1977	7	5	5	0	0
17,782	1977	7	5	5	15	0
17,783	1977	7	5	5	30	0
17,784	1977	7	5	5	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
17,785	1977	7	5	6	0	0
17,786	1977	7	5	6	15	0
17,787	1977	7	5	6	30	0
17,788	1977	7	5	6	45	0
17,789	1977	7	5	7	0	0
17,790	1977	7	5	7	15	0
17,791	1977	7	5	7	30	0
17,792	1977	7	5	7	45	0
17,793	1977	7	5	8	0	0
17,794	1977	7	5	8	15	0
17,795	1977	7	5	8	30	0
17,796	1977	7	5	8	45	0
17,797	1977	7	5	9	0	0
17,798	1977	7	5	9	15	0
17,799	1977	7	5	9	30	0
17,800	1977	7	5	9	45	0
17,801	1977	7	5	10	0	0
17,802	1977	7	5	10	15	0
17,803	1977	7	5	10	30	0
17,804	1977	7	5	10	45	0
17,805	1977	7	5	11	0	0
17,806	1977	7	5	11	15	0
17,807	1977	7	5	11	30	0
17,808	1977	7	5	11	45	0
17,809	1977	7	5	12	0	0
17,810	1977	7	5	12	15	0
17,811	1977	7	5	12	30	0
17,812	1977	7	5	12	45	0
17,813	1977	7	5	13	0	0
17,814	1977	7	5	13	15	0
17,815	1977	7	5	13	30	0
17,816	1977	7	5	13	45	0
17,817	1977	7	5	14	0	0
17,818	1977	7	5	14	15	0
17,819	1977	7	5	14	30	0
17,820	1977	7	5	14	45	0
17,821	1977	7	5	15	0	0
17,822	1977	7	5	15	15	0
17,823	1977	7	5	15	30	0
17,824	1977	7	5	15	45	0
17,825	1977	7	5	16	0	0
17,826	1977	7	5	16	15	0
17,827	1977	7	5	16	30	0
17,828	1977	7	5	16	45	0
17,829	1977	7	5	17	0	0
17,830	1977	7	5	17	15	0
17,831	1977	7	5	17	30	0
17,832	1977	7	5	17	45	0
17,833	1977	7	5	18	0	0
17,834	1977	7	5	18	15	0
17,835	1977	7	5	18	30	0
17,836	1977	7	5	18	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
17,837	1977	7	5	19	0	0
17,838	1977	7	5	19	15	0
17,839	1977	7	5	19	30	0
17,840	1977	7	5	19	45	0
17,841	1977	7	5	20	0	0
17,842	1977	7	5	20	15	0
17,843	1977	7	5	20	30	0
17,844	1977	7	5	20	45	0
17,845	1977	7	5	21	0	0
17,846	1977	7	5	21	15	0
17,847	1977	7	5	21	30	0
17,848	1977	7	5	21	45	0
17,849	1977	7	5	22	0	0
17,850	1977	7	5	22	15	0
17,851	1977	7	5	22	30	0
17,852	1977	7	5	22	45	0
17,853	1977	7	5	23	0	0
17,854	1977	7	5	23	15	0
17,855	1977	7	5	23	30	0
17,856	1977	7	5	23	45	0
17,857	1977	7	6	0	0	0
17,858	1977	7	6	0	15	0
17,859	1977	7	6	0	30	0
17,860	1977	7	6	0	45	0
17,861	1977	7	6	1	0	0
17,862	1977	7	6	1	15	0
17,863	1977	7	6	1	30	0
17,864	1977	7	6	1	45	0
17,865	1977	7	6	2	0	0
17,866	1977	7	6	2	15	0
17,867	1977	7	6	2	30	0
17,868	1977	7	6	2	45	0
17,869	1977	7	6	3	0	0
17,870	1977	7	6	3	15	0
17,871	1977	7	6	3	30	0
17,872	1977	7	6	3	45	0
17,873	1977	7	6	4	0	0
17,874	1977	7	6	4	15	0
17,875	1977	7	6	4	30	0
17,876	1977	7	6	4	45	0
17,877	1977	7	6	5	0	0
17,878	1977	7	6	5	15	0
17,879	1977	7	6	5	30	0
17,880	1977	7	6	5	45	0
17,881	1977	7	6	6	0	0
17,882	1977	7	6	6	15	0
17,883	1977	7	6	6	30	0
17,884	1977	7	6	6	45	0
17,885	1977	7	6	7	0	0
17,886	1977	7	6	7	15	0
17,887	1977	7	6	7	30	0
17,888	1977	7	6	7	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
17,889	1977	7	6	8	0	0
17,890	1977	7	6	8	15	0
17,891	1977	7	6	8	30	0
17,892	1977	7	6	8	45	0
17,893	1977	7	6	9	0	0
17,894	1977	7	6	9	15	0
17,895	1977	7	6	9	30	0
17,896	1977	7	6	9	45	0
17,897	1977	7	6	10	0	0
17,898	1977	7	6	10	15	0
17,899	1977	7	6	10	30	0
17,900	1977	7	6	10	45	0
17,901	1977	7	6	11	0	0
17,902	1977	7	6	11	15	0
17,903	1977	7	6	11	30	0
17,904	1977	7	6	11	45	0
17,905	1977	7	6	12	0	0
17,906	1977	7	6	12	15	0
17,907	1977	7	6	12	30	0
17,908	1977	7	6	12	45	0
17,909	1977	7	6	13	0	0
17,910	1977	7	6	13	15	0
17,911	1977	7	6	13	30	0
17,912	1977	7	6	13	45	0
17,913	1977	7	6	14	0	0
17,914	1977	7	6	14	15	0
17,915	1977	7	6	14	30	0
17,916	1977	7	6	14	45	0
17,917	1977	7	6	15	0	0
17,918	1977	7	6	15	15	0
17,919	1977	7	6	15	30	0
17,920	1977	7	6	15	45	0
17,921	1977	7	6	16	0	0
17,922	1977	7	6	16	15	0
17,923	1977	7	6	16	30	0
17,924	1977	7	6	16	45	0
17,925	1977	7	6	17	0	0
17,926	1977	7	6	17	15	0
17,927	1977	7	6	17	30	0
17,928	1977	7	6	17	45	0
17,929	1977	7	6	18	0	0
17,930	1977	7	6	18	15	0
17,931	1977	7	6	18	30	0
17,932	1977	7	6	18	45	0
17,933	1977	7	6	19	0	0
17,934	1977	7	6	19	15	0
17,935	1977	7	6	19	30	0
17,936	1977	7	6	19	45	0
17,937	1977	7	6	20	0	0
17,938	1977	7	6	20	15	0
17,939	1977	7	6	20	30	0
17,940	1977	7	6	20	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
17,941	1977	7	6	21	0	0
17,942	1977	7	6	21	15	0
17,943	1977	7	6	21	30	0
17,944	1977	7	6	21	45	0
17,945	1977	7	6	22	0	0
17,946	1977	7	6	22	15	0
17,947	1977	7	6	22	30	0
17,948	1977	7	6	22	45	0
17,949	1977	7	6	23	0	0
17,950	1977	7	6	23	15	0
17,951	1977	7	6	23	30	0
17,952	1977	7	6	23	45	0
17,953	1977	7	7	0	0	0
17,954	1977	7	7	0	15	0
17,955	1977	7	7	0	30	0
17,956	1977	7	7	0	45	0
17,957	1977	7	7	1	0	0
17,958	1977	7	7	1	15	0
17,959	1977	7	7	1	30	0
17,960	1977	7	7	1	45	0
17,961	1977	7	7	2	0	0
17,962	1977	7	7	2	15	0
17,963	1977	7	7	2	30	0
17,964	1977	7	7	2	45	0
17,965	1977	7	7	3	0	0
17,966	1977	7	7	3	15	0
17,967	1977	7	7	3	30	0
17,968	1977	7	7	3	45	0
17,969	1977	7	7	4	0	0
17,970	1977	7	7	4	15	0
17,971	1977	7	7	4	30	0
17,972	1977	7	7	4	45	0
17,973	1977	7	7	5	0	0
17,974	1977	7	7	5	15	0
17,975	1977	7	7	5	30	0
17,976	1977	7	7	5	45	0
17,977	1977	7	7	6	0	0
17,978	1977	7	7	6	15	0
17,979	1977	7	7	6	30	0
17,980	1977	7	7	6	45	0
17,981	1977	7	7	7	0	0
17,982	1977	7	7	7	15	0
17,983	1977	7	7	7	30	0
17,984	1977	7	7	7	45	0
17,985	1977	7	7	8	0	0
17,986	1977	7	7	8	15	0
17,987	1977	7	7	8	30	0
17,988	1977	7	7	8	45	0
17,989	1977	7	7	9	0	0
17,990	1977	7	7	9	15	0
17,991	1977	7	7	9	30	0
17,992	1977	7	7	9	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
17,993	1977	7	7	10	0	0
17,994	1977	7	7	10	15	0
17,995	1977	7	7	10	30	0
17,996	1977	7	7	10	45	0
17,997	1977	7	7	11	0	0
17,998	1977	7	7	11	15	0
17,999	1977	7	7	11	30	0
18,000	1977	7	7	11	45	0
18,001	1977	7	7	12	0	0
18,002	1977	7	7	12	15	0
18,003	1977	7	7	12	30	0
18,004	1977	7	7	12	45	0
18,005	1977	7	7	13	0	0
18,006	1977	7	7	13	15	0
18,007	1977	7	7	13	30	0
18,008	1977	7	7	13	45	0
18,009	1977	7	7	14	0	0
18,010	1977	7	7	14	15	0
18,011	1977	7	7	14	30	0
18,012	1977	7	7	14	45	0
18,013	1977	7	7	15	0	0
18,014	1977	7	7	15	15	0
18,015	1977	7	7	15	30	0
18,016	1977	7	7	15	45	0
18,017	1977	7	7	16	0	0
18,018	1977	7	7	16	15	0
18,019	1977	7	7	16	30	0
18,020	1977	7	7	16	45	0
18,021	1977	7	7	17	0	0
18,022	1977	7	7	17	15	0
18,023	1977	7	7	17	30	0
18,024	1977	7	7	17	45	0
18,025	1977	7	7	18	0	0.0025
18,026	1977	7	7	18	15	0.0025
18,027	1977	7	7	18	30	0.0025
18,028	1977	7	7	18	45	0.0025
18,029	1977	7	7	19	0	0
18,030	1977	7	7	19	15	0
18,031	1977	7	7	19	30	0
18,032	1977	7	7	19	45	0
18,033	1977	7	7	20	0	0
18,034	1977	7	7	20	15	0
18,035	1977	7	7	20	30	0
18,036	1977	7	7	20	45	0
18,037	1977	7	7	21	0	0
18,038	1977	7	7	21	15	0
18,039	1977	7	7	21	30	0
18,040	1977	7	7	21	45	0
18,041	1977	7	7	22	0	0.0225
18,042	1977	7	7	22	15	0.0225
18,043	1977	7	7	22	30	0.0225
18,044	1977	7	7	22	45	0.0225

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
18,045	1977	7	7	23	0	0
18,046	1977	7	7	23	15	0
18,047	1977	7	7	23	30	0
18,048	1977	7	7	23	45	0
18,049	1977	7	8	0	0	0
18,050	1977	7	8	0	15	0
18,051	1977	7	8	0	30	0
18,052	1977	7	8	0	45	0
18,053	1977	7	8	1	0	0
18,054	1977	7	8	1	15	0
18,055	1977	7	8	1	30	0
18,056	1977	7	8	1	45	0
18,057	1977	7	8	2	0	0
18,058	1977	7	8	2	15	0
18,059	1977	7	8	2	30	0
18,060	1977	7	8	2	45	0
18,061	1977	7	8	3	0	0
18,062	1977	7	8	3	15	0
18,063	1977	7	8	3	30	0
18,064	1977	7	8	3	45	0
18,065	1977	7	8	4	0	0
18,066	1977	7	8	4	15	0
18,067	1977	7	8	4	30	0
18,068	1977	7	8	4	45	0
18,069	1977	7	8	5	0	0
18,070	1977	7	8	5	15	0
18,071	1977	7	8	5	30	0
18,072	1977	7	8	5	45	0
18,073	1977	7	8	6	0	0
18,074	1977	7	8	6	15	0
18,075	1977	7	8	6	30	0
18,076	1977	7	8	6	45	0
18,077	1977	7	8	7	0	0
18,078	1977	7	8	7	15	0
18,079	1977	7	8	7	30	0
18,080	1977	7	8	7	45	0
18,081	1977	7	8	8	0	0
18,082	1977	7	8	8	15	0
18,083	1977	7	8	8	30	0
18,084	1977	7	8	8	45	0
18,085	1977	7	8	9	0	0
18,086	1977	7	8	9	15	0
18,087	1977	7	8	9	30	0
18,088	1977	7	8	9	45	0
18,089	1977	7	8	10	0	0
18,090	1977	7	8	10	15	0
18,091	1977	7	8	10	30	0
18,092	1977	7	8	10	45	0
18,093	1977	7	8	11	0	0
18,094	1977	7	8	11	15	0
18,095	1977	7	8	11	30	0
18,096	1977	7	8	11	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
18,097	1977	7	8	12	0	0
18,098	1977	7	8	12	15	0
18,099	1977	7	8	12	30	0
18,100	1977	7	8	12	45	0
18,101	1977	7	8	13	0	0
18,102	1977	7	8	13	15	0
18,103	1977	7	8	13	30	0
18,104	1977	7	8	13	45	0
18,105	1977	7	8	14	0	0
18,106	1977	7	8	14	15	0
18,107	1977	7	8	14	30	0
18,108	1977	7	8	14	45	0
18,109	1977	7	8	15	0	0
18,110	1977	7	8	15	15	0
18,111	1977	7	8	15	30	0
18,112	1977	7	8	15	45	0
18,113	1977	7	8	16	0	0
18,114	1977	7	8	16	15	0
18,115	1977	7	8	16	30	0
18,116	1977	7	8	16	45	0
18,117	1977	7	8	17	0	0
18,118	1977	7	8	17	15	0
18,119	1977	7	8	17	30	0
18,120	1977	7	8	17	45	0
18,121	1977	7	8	18	0	0
18,122	1977	7	8	18	15	0
18,123	1977	7	8	18	30	0
18,124	1977	7	8	18	45	0
18,125	1977	7	8	19	0	0
18,126	1977	7	8	19	15	0
18,127	1977	7	8	19	30	0
18,128	1977	7	8	19	45	0
18,129	1977	7	8	20	0	0
18,130	1977	7	8	20	15	0
18,131	1977	7	8	20	30	0
18,132	1977	7	8	20	45	0
18,133	1977	7	8	21	0	0
18,134	1977	7	8	21	15	0
18,135	1977	7	8	21	30	0
18,136	1977	7	8	21	45	0
18,137	1977	7	8	22	0	0
18,138	1977	7	8	22	15	0
18,139	1977	7	8	22	30	0
18,140	1977	7	8	22	45	0
18,141	1977	7	8	23	0	0
18,142	1977	7	8	23	15	0
18,143	1977	7	8	23	30	0
18,144	1977	7	8	23	45	0
18,145	1977	7	9	0	0	0
18,146	1977	7	9	0	15	0
18,147	1977	7	9	0	30	0
18,148	1977	7	9	0	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
18,149	1977	7	9	1	0	0
18,150	1977	7	9	1	15	0
18,151	1977	7	9	1	30	0
18,152	1977	7	9	1	45	0
18,153	1977	7	9	2	0	0
18,154	1977	7	9	2	15	0
18,155	1977	7	9	2	30	0
18,156	1977	7	9	2	45	0
18,157	1977	7	9	3	0	0
18,158	1977	7	9	3	15	0
18,159	1977	7	9	3	30	0
18,160	1977	7	9	3	45	0
18,161	1977	7	9	4	0	0
18,162	1977	7	9	4	15	0
18,163	1977	7	9	4	30	0
18,164	1977	7	9	4	45	0
18,165	1977	7	9	5	0	0
18,166	1977	7	9	5	15	0
18,167	1977	7	9	5	30	0
18,168	1977	7	9	5	45	0
18,169	1977	7	9	6	0	0
18,170	1977	7	9	6	15	0
18,171	1977	7	9	6	30	0
18,172	1977	7	9	6	45	0
18,173	1977	7	9	7	0	0
18,174	1977	7	9	7	15	0
18,175	1977	7	9	7	30	0
18,176	1977	7	9	7	45	0
18,177	1977	7	9	8	0	0
18,178	1977	7	9	8	15	0
18,179	1977	7	9	8	30	0
18,180	1977	7	9	8	45	0
18,181	1977	7	9	9	0	0
18,182	1977	7	9	9	15	0
18,183	1977	7	9	9	30	0
18,184	1977	7	9	9	45	0
18,185	1977	7	9	10	0	0
18,186	1977	7	9	10	15	0
18,187	1977	7	9	10	30	0
18,188	1977	7	9	10	45	0
18,189	1977	7	9	11	0	0
18,190	1977	7	9	11	15	0
18,191	1977	7	9	11	30	0
18,192	1977	7	9	11	45	0
18,193	1977	7	9	12	0	0
18,194	1977	7	9	12	15	0
18,195	1977	7	9	12	30	0
18,196	1977	7	9	12	45	0
18,197	1977	7	9	13	0	0
18,198	1977	7	9	13	15	0
18,199	1977	7	9	13	30	0
18,200	1977	7	9	13	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
18,201	1977	7	9	14	0	0
18,202	1977	7	9	14	15	0
18,203	1977	7	9	14	30	0
18,204	1977	7	9	14	45	0
18,205	1977	7	9	15	0	0
18,206	1977	7	9	15	15	0
18,207	1977	7	9	15	30	0
18,208	1977	7	9	15	45	0
18,209	1977	7	9	16	0	0
18,210	1977	7	9	16	15	0
18,211	1977	7	9	16	30	0
18,212	1977	7	9	16	45	0
18,213	1977	7	9	17	0	0
18,214	1977	7	9	17	15	0
18,215	1977	7	9	17	30	0
18,216	1977	7	9	17	45	0
18,217	1977	7	9	18	0	0
18,218	1977	7	9	18	15	0
18,219	1977	7	9	18	30	0
18,220	1977	7	9	18	45	0
18,221	1977	7	9	19	0	0
18,222	1977	7	9	19	15	0
18,223	1977	7	9	19	30	0
18,224	1977	7	9	19	45	0
18,225	1977	7	9	20	0	0
18,226	1977	7	9	20	15	0
18,227	1977	7	9	20	30	0
18,228	1977	7	9	20	45	0
18,229	1977	7	9	21	0	0
18,230	1977	7	9	21	15	0
18,231	1977	7	9	21	30	0
18,232	1977	7	9	21	45	0
18,233	1977	7	9	22	0	0
18,234	1977	7	9	22	15	0
18,235	1977	7	9	22	30	0
18,236	1977	7	9	22	45	0
18,237	1977	7	9	23	0	0
18,238	1977	7	9	23	15	0
18,239	1977	7	9	23	30	0
18,240	1977	7	9	23	45	0
18,241	1977	7	10	0	0	0
18,242	1977	7	10	0	15	0
18,243	1977	7	10	0	30	0
18,244	1977	7	10	0	45	0
18,245	1977	7	10	1	0	0
18,246	1977	7	10	1	15	0
18,247	1977	7	10	1	30	0
18,248	1977	7	10	1	45	0
18,249	1977	7	10	2	0	0
18,250	1977	7	10	2	15	0
18,251	1977	7	10	2	30	0
18,252	1977	7	10	2	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
18,253	1977	7	10	3	0	0
18,254	1977	7	10	3	15	0
18,255	1977	7	10	3	30	0
18,256	1977	7	10	3	45	0
18,257	1977	7	10	4	0	0
18,258	1977	7	10	4	15	0
18,259	1977	7	10	4	30	0
18,260	1977	7	10	4	45	0
18,261	1977	7	10	5	0	0
18,262	1977	7	10	5	15	0
18,263	1977	7	10	5	30	0
18,264	1977	7	10	5	45	0
18,265	1977	7	10	6	0	0
18,266	1977	7	10	6	15	0
18,267	1977	7	10	6	30	0
18,268	1977	7	10	6	45	0
18,269	1977	7	10	7	0	0
18,270	1977	7	10	7	15	0
18,271	1977	7	10	7	30	0
18,272	1977	7	10	7	45	0
18,273	1977	7	10	8	0	0
18,274	1977	7	10	8	15	0
18,275	1977	7	10	8	30	0
18,276	1977	7	10	8	45	0
18,277	1977	7	10	9	0	0
18,278	1977	7	10	9	15	0
18,279	1977	7	10	9	30	0
18,280	1977	7	10	9	45	0
18,281	1977	7	10	10	0	0
18,282	1977	7	10	10	15	0
18,283	1977	7	10	10	30	0
18,284	1977	7	10	10	45	0
18,285	1977	7	10	11	0	0
18,286	1977	7	10	11	15	0
18,287	1977	7	10	11	30	0
18,288	1977	7	10	11	45	0
18,289	1977	7	10	12	0	0
18,290	1977	7	10	12	15	0
18,291	1977	7	10	12	30	0
18,292	1977	7	10	12	45	0
18,293	1977	7	10	13	0	0
18,294	1977	7	10	13	15	0
18,295	1977	7	10	13	30	0
18,296	1977	7	10	13	45	0
18,297	1977	7	10	14	0	0
18,298	1977	7	10	14	15	0
18,299	1977	7	10	14	30	0
18,300	1977	7	10	14	45	0
18,301	1977	7	10	15	0	0
18,302	1977	7	10	15	15	0
18,303	1977	7	10	15	30	0
18,304	1977	7	10	15	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
18,305	1977	7	10	16	0	0
18,306	1977	7	10	16	15	0
18,307	1977	7	10	16	30	0
18,308	1977	7	10	16	45	0
18,309	1977	7	10	17	0	0
18,310	1977	7	10	17	15	0
18,311	1977	7	10	17	30	0
18,312	1977	7	10	17	45	0
18,313	1977	7	10	18	0	0
18,314	1977	7	10	18	15	0
18,315	1977	7	10	18	30	0
18,316	1977	7	10	18	45	0
18,317	1977	7	10	19	0	0
18,318	1977	7	10	19	15	0
18,319	1977	7	10	19	30	0
18,320	1977	7	10	19	45	0
18,321	1977	7	10	20	0	0
18,322	1977	7	10	20	15	0
18,323	1977	7	10	20	30	0
18,324	1977	7	10	20	45	0
18,325	1977	7	10	21	0	0
18,326	1977	7	10	21	15	0
18,327	1977	7	10	21	30	0
18,328	1977	7	10	21	45	0
18,329	1977	7	10	22	0	0
18,330	1977	7	10	22	15	0
18,331	1977	7	10	22	30	0
18,332	1977	7	10	22	45	0
18,333	1977	7	10	23	0	0
18,334	1977	7	10	23	15	0
18,335	1977	7	10	23	30	0
18,336	1977	7	10	23	45	0
18,337	1977	7	11	0	0	0
18,338	1977	7	11	0	15	0
18,339	1977	7	11	0	30	0
18,340	1977	7	11	0	45	0
18,341	1977	7	11	1	0	0
18,342	1977	7	11	1	15	0
18,343	1977	7	11	1	30	0
18,344	1977	7	11	1	45	0
18,345	1977	7	11	2	0	0
18,346	1977	7	11	2	15	0
18,347	1977	7	11	2	30	0
18,348	1977	7	11	2	45	0
18,349	1977	7	11	3	0	0
18,350	1977	7	11	3	15	0
18,351	1977	7	11	3	30	0
18,352	1977	7	11	3	45	0
18,353	1977	7	11	4	0	0
18,354	1977	7	11	4	15	0
18,355	1977	7	11	4	30	0
18,356	1977	7	11	4	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
18,357	1977	7	11	5	0	0
18,358	1977	7	11	5	15	0
18,359	1977	7	11	5	30	0
18,360	1977	7	11	5	45	0
18,361	1977	7	11	6	0	0
18,362	1977	7	11	6	15	0
18,363	1977	7	11	6	30	0
18,364	1977	7	11	6	45	0
18,365	1977	7	11	7	0	0
18,366	1977	7	11	7	15	0
18,367	1977	7	11	7	30	0
18,368	1977	7	11	7	45	0
18,369	1977	7	11	8	0	0
18,370	1977	7	11	8	15	0
18,371	1977	7	11	8	30	0
18,372	1977	7	11	8	45	0
18,373	1977	7	11	9	0	0
18,374	1977	7	11	9	15	0
18,375	1977	7	11	9	30	0
18,376	1977	7	11	9	45	0
18,377	1977	7	11	10	0	0
18,378	1977	7	11	10	15	0
18,379	1977	7	11	10	30	0
18,380	1977	7	11	10	45	0
18,381	1977	7	11	11	0	0
18,382	1977	7	11	11	15	0
18,383	1977	7	11	11	30	0
18,384	1977	7	11	11	45	0
18,385	1977	7	11	12	0	0
18,386	1977	7	11	12	15	0
18,387	1977	7	11	12	30	0
18,388	1977	7	11	12	45	0
18,389	1977	7	11	13	0	0
18,390	1977	7	11	13	15	0
18,391	1977	7	11	13	30	0
18,392	1977	7	11	13	45	0
18,393	1977	7	11	14	0	0
18,394	1977	7	11	14	15	0
18,395	1977	7	11	14	30	0
18,396	1977	7	11	14	45	0
18,397	1977	7	11	15	0	0
18,398	1977	7	11	15	15	0
18,399	1977	7	11	15	30	0
18,400	1977	7	11	15	45	0
18,401	1977	7	11	16	0	0
18,402	1977	7	11	16	15	0
18,403	1977	7	11	16	30	0
18,404	1977	7	11	16	45	0
18,405	1977	7	11	17	0	0
18,406	1977	7	11	17	15	0
18,407	1977	7	11	17	30	0
18,408	1977	7	11	17	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
18,409	1977	7	11	18	0	0
18,410	1977	7	11	18	15	0
18,411	1977	7	11	18	30	0
18,412	1977	7	11	18	45	0
18,413	1977	7	11	19	0	0
18,414	1977	7	11	19	15	0
18,415	1977	7	11	19	30	0
18,416	1977	7	11	19	45	0
18,417	1977	7	11	20	0	0.0025
18,418	1977	7	11	20	15	0.0025
18,419	1977	7	11	20	30	0.0025
18,420	1977	7	11	20	45	0.0025
18,421	1977	7	11	21	0	0
18,422	1977	7	11	21	15	0
18,423	1977	7	11	21	30	0
18,424	1977	7	11	21	45	0
18,425	1977	7	11	22	0	0.0025
18,426	1977	7	11	22	15	0.0025
18,427	1977	7	11	22	30	0.0025
18,428	1977	7	11	22	45	0.0025
18,429	1977	7	11	23	0	0.0025
18,430	1977	7	11	23	15	0.0025
18,431	1977	7	11	23	30	0.0025
18,432	1977	7	11	23	45	0.0025
18,433	1977	7	12	0	0	0
18,434	1977	7	12	0	15	0
18,435	1977	7	12	0	30	0
18,436	1977	7	12	0	45	0
18,437	1977	7	12	1	0	0
18,438	1977	7	12	1	15	0
18,439	1977	7	12	1	30	0
18,440	1977	7	12	1	45	0
18,441	1977	7	12	2	0	0
18,442	1977	7	12	2	15	0
18,443	1977	7	12	2	30	0
18,444	1977	7	12	2	45	0
18,445	1977	7	12	3	0	0
18,446	1977	7	12	3	15	0
18,447	1977	7	12	3	30	0
18,448	1977	7	12	3	45	0
18,449	1977	7	12	4	0	0
18,450	1977	7	12	4	15	0
18,451	1977	7	12	4	30	0
18,452	1977	7	12	4	45	0
18,453	1977	7	12	5	0	0
18,454	1977	7	12	5	15	0
18,455	1977	7	12	5	30	0
18,456	1977	7	12	5	45	0
18,457	1977	7	12	6	0	0
18,458	1977	7	12	6	15	0
18,459	1977	7	12	6	30	0
18,460	1977	7	12	6	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
18,461	1977	7	12	7	0	0
18,462	1977	7	12	7	15	0
18,463	1977	7	12	7	30	0
18,464	1977	7	12	7	45	0
18,465	1977	7	12	8	0	0
18,466	1977	7	12	8	15	0
18,467	1977	7	12	8	30	0
18,468	1977	7	12	8	45	0
18,469	1977	7	12	9	0	0
18,470	1977	7	12	9	15	0
18,471	1977	7	12	9	30	0
18,472	1977	7	12	9	45	0
18,473	1977	7	12	10	0	0
18,474	1977	7	12	10	15	0
18,475	1977	7	12	10	30	0
18,476	1977	7	12	10	45	0
18,477	1977	7	12	11	0	0
18,478	1977	7	12	11	15	0
18,479	1977	7	12	11	30	0
18,480	1977	7	12	11	45	0
18,481	1977	7	12	12	0	0
18,482	1977	7	12	12	15	0
18,483	1977	7	12	12	30	0
18,484	1977	7	12	12	45	0
18,485	1977	7	12	13	0	0
18,486	1977	7	12	13	15	0
18,487	1977	7	12	13	30	0
18,488	1977	7	12	13	45	0
18,489	1977	7	12	14	0	0
18,490	1977	7	12	14	15	0
18,491	1977	7	12	14	30	0
18,492	1977	7	12	14	45	0
18,493	1977	7	12	15	0	0
18,494	1977	7	12	15	15	0
18,495	1977	7	12	15	30	0
18,496	1977	7	12	15	45	0
18,497	1977	7	12	16	0	0
18,498	1977	7	12	16	15	0
18,499	1977	7	12	16	30	0
18,500	1977	7	12	16	45	0
18,501	1977	7	12	17	0	0
18,502	1977	7	12	17	15	0
18,503	1977	7	12	17	30	0
18,504	1977	7	12	17	45	0
18,505	1977	7	12	18	0	0
18,506	1977	7	12	18	15	0
18,507	1977	7	12	18	30	0
18,508	1977	7	12	18	45	0
18,509	1977	7	12	19	0	0
18,510	1977	7	12	19	15	0
18,511	1977	7	12	19	30	0
18,512	1977	7	12	19	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
18,513	1977	7	12	20	0	0
18,514	1977	7	12	20	15	0
18,515	1977	7	12	20	30	0
18,516	1977	7	12	20	45	0
18,517	1977	7	12	21	0	0.02
18,518	1977	7	12	21	15	0.02
18,519	1977	7	12	21	30	0.02
18,520	1977	7	12	21	45	0.02
18,521	1977	7	12	22	0	0
18,522	1977	7	12	22	15	0
18,523	1977	7	12	22	30	0
18,524	1977	7	12	22	45	0
18,525	1977	7	12	23	0	0
18,526	1977	7	12	23	15	0
18,527	1977	7	12	23	30	0
18,528	1977	7	12	23	45	0
18,529	1977	7	13	0	0	0
18,530	1977	7	13	0	15	0
18,531	1977	7	13	0	30	0
18,532	1977	7	13	0	45	0
18,533	1977	7	13	1	0	0
18,534	1977	7	13	1	15	0
18,535	1977	7	13	1	30	0
18,536	1977	7	13	1	45	0
18,537	1977	7	13	2	0	0
18,538	1977	7	13	2	15	0
18,539	1977	7	13	2	30	0
18,540	1977	7	13	2	45	0
18,541	1977	7	13	3	0	0
18,542	1977	7	13	3	15	0
18,543	1977	7	13	3	30	0
18,544	1977	7	13	3	45	0
18,545	1977	7	13	4	0	0
18,546	1977	7	13	4	15	0
18,547	1977	7	13	4	30	0
18,548	1977	7	13	4	45	0
18,549	1977	7	13	5	0	0
18,550	1977	7	13	5	15	0
18,551	1977	7	13	5	30	0
18,552	1977	7	13	5	45	0
18,553	1977	7	13	6	0	0
18,554	1977	7	13	6	15	0
18,555	1977	7	13	6	30	0
18,556	1977	7	13	6	45	0
18,557	1977	7	13	7	0	0
18,558	1977	7	13	7	15	0
18,559	1977	7	13	7	30	0
18,560	1977	7	13	7	45	0
18,561	1977	7	13	8	0	0
18,562	1977	7	13	8	15	0
18,563	1977	7	13	8	30	0
18,564	1977	7	13	8	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
18,565	1977	7	13	9	0	0
18,566	1977	7	13	9	15	0
18,567	1977	7	13	9	30	0
18,568	1977	7	13	9	45	0
18,569	1977	7	13	10	0	0
18,570	1977	7	13	10	15	0
18,571	1977	7	13	10	30	0
18,572	1977	7	13	10	45	0
18,573	1977	7	13	11	0	0
18,574	1977	7	13	11	15	0
18,575	1977	7	13	11	30	0
18,576	1977	7	13	11	45	0
18,577	1977	7	13	12	0	0
18,578	1977	7	13	12	15	0
18,579	1977	7	13	12	30	0
18,580	1977	7	13	12	45	0
18,581	1977	7	13	13	0	0
18,582	1977	7	13	13	15	0
18,583	1977	7	13	13	30	0
18,584	1977	7	13	13	45	0
18,585	1977	7	13	14	0	0
18,586	1977	7	13	14	15	0
18,587	1977	7	13	14	30	0
18,588	1977	7	13	14	45	0
18,589	1977	7	13	15	0	0
18,590	1977	7	13	15	15	0
18,591	1977	7	13	15	30	0
18,592	1977	7	13	15	45	0
18,593	1977	7	13	16	0	0
18,594	1977	7	13	16	15	0
18,595	1977	7	13	16	30	0
18,596	1977	7	13	16	45	0
18,597	1977	7	13	17	0	0
18,598	1977	7	13	17	15	0
18,599	1977	7	13	17	30	0
18,600	1977	7	13	17	45	0
18,601	1977	7	13	18	0	0
18,602	1977	7	13	18	15	0
18,603	1977	7	13	18	30	0
18,604	1977	7	13	18	45	0
18,605	1977	7	13	19	0	0
18,606	1977	7	13	19	15	0
18,607	1977	7	13	19	30	0
18,608	1977	7	13	19	45	0
18,609	1977	7	13	20	0	0
18,610	1977	7	13	20	15	0
18,611	1977	7	13	20	30	0
18,612	1977	7	13	20	45	0
18,613	1977	7	13	21	0	0
18,614	1977	7	13	21	15	0
18,615	1977	7	13	21	30	0
18,616	1977	7	13	21	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
18,617	1977	7	13	22	0	0
18,618	1977	7	13	22	15	0
18,619	1977	7	13	22	30	0
18,620	1977	7	13	22	45	0
18,621	1977	7	13	23	0	0
18,622	1977	7	13	23	15	0
18,623	1977	7	13	23	30	0
18,624	1977	7	13	23	45	0
18,625	1977	7	14	0	0	0
18,626	1977	7	14	0	15	0
18,627	1977	7	14	0	30	0
18,628	1977	7	14	0	45	0
18,629	1977	7	14	1	0	0
18,630	1977	7	14	1	15	0
18,631	1977	7	14	1	30	0
18,632	1977	7	14	1	45	0
18,633	1977	7	14	2	0	0
18,634	1977	7	14	2	15	0
18,635	1977	7	14	2	30	0
18,636	1977	7	14	2	45	0
18,637	1977	7	14	3	0	0
18,638	1977	7	14	3	15	0
18,639	1977	7	14	3	30	0
18,640	1977	7	14	3	45	0
18,641	1977	7	14	4	0	0
18,642	1977	7	14	4	15	0
18,643	1977	7	14	4	30	0
18,644	1977	7	14	4	45	0
18,645	1977	7	14	5	0	0
18,646	1977	7	14	5	15	0
18,647	1977	7	14	5	30	0
18,648	1977	7	14	5	45	0
18,649	1977	7	14	6	0	0
18,650	1977	7	14	6	15	0
18,651	1977	7	14	6	30	0
18,652	1977	7	14	6	45	0
18,653	1977	7	14	7	0	0
18,654	1977	7	14	7	15	0
18,655	1977	7	14	7	30	0
18,656	1977	7	14	7	45	0
18,657	1977	7	14	8	0	0
18,658	1977	7	14	8	15	0
18,659	1977	7	14	8	30	0
18,660	1977	7	14	8	45	0
18,661	1977	7	14	9	0	0
18,662	1977	7	14	9	15	0
18,663	1977	7	14	9	30	0
18,664	1977	7	14	9	45	0
18,665	1977	7	14	10	0	0
18,666	1977	7	14	10	15	0
18,667	1977	7	14	10	30	0
18,668	1977	7	14	10	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
18,669	1977	7	14	11	0	0
18,670	1977	7	14	11	15	0
18,671	1977	7	14	11	30	0
18,672	1977	7	14	11	45	0
18,673	1977	7	14	12	0	0
18,674	1977	7	14	12	15	0
18,675	1977	7	14	12	30	0
18,676	1977	7	14	12	45	0
18,677	1977	7	14	13	0	0
18,678	1977	7	14	13	15	0
18,679	1977	7	14	13	30	0
18,680	1977	7	14	13	45	0
18,681	1977	7	14	14	0	0
18,682	1977	7	14	14	15	0
18,683	1977	7	14	14	30	0
18,684	1977	7	14	14	45	0
18,685	1977	7	14	15	0	0
18,686	1977	7	14	15	15	0
18,687	1977	7	14	15	30	0
18,688	1977	7	14	15	45	0
18,689	1977	7	14	16	0	0
18,690	1977	7	14	16	15	0
18,691	1977	7	14	16	30	0
18,692	1977	7	14	16	45	0
18,693	1977	7	14	17	0	0
18,694	1977	7	14	17	15	0
18,695	1977	7	14	17	30	0
18,696	1977	7	14	17	45	0
18,697	1977	7	14	18	0	0
18,698	1977	7	14	18	15	0
18,699	1977	7	14	18	30	0
18,700	1977	7	14	18	45	0
18,701	1977	7	14	19	0	0
18,702	1977	7	14	19	15	0
18,703	1977	7	14	19	30	0
18,704	1977	7	14	19	45	0
18,705	1977	7	14	20	0	0
18,706	1977	7	14	20	15	0
18,707	1977	7	14	20	30	0
18,708	1977	7	14	20	45	0
18,709	1977	7	14	21	0	0
18,710	1977	7	14	21	15	0
18,711	1977	7	14	21	30	0
18,712	1977	7	14	21	45	0
18,713	1977	7	14	22	0	0
18,714	1977	7	14	22	15	0
18,715	1977	7	14	22	30	0
18,716	1977	7	14	22	45	0
18,717	1977	7	14	23	0	0
18,718	1977	7	14	23	15	0
18,719	1977	7	14	23	30	0
18,720	1977	7	14	23	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
18,721	1977	7	15	0	0	0
18,722	1977	7	15	0	15	0
18,723	1977	7	15	0	30	0
18,724	1977	7	15	0	45	0
18,725	1977	7	15	1	0	0
18,726	1977	7	15	1	15	0
18,727	1977	7	15	1	30	0
18,728	1977	7	15	1	45	0
18,729	1977	7	15	2	0	0
18,730	1977	7	15	2	15	0
18,731	1977	7	15	2	30	0
18,732	1977	7	15	2	45	0
18,733	1977	7	15	3	0	0
18,734	1977	7	15	3	15	0
18,735	1977	7	15	3	30	0
18,736	1977	7	15	3	45	0
18,737	1977	7	15	4	0	0
18,738	1977	7	15	4	15	0
18,739	1977	7	15	4	30	0
18,740	1977	7	15	4	45	0
18,741	1977	7	15	5	0	0
18,742	1977	7	15	5	15	0
18,743	1977	7	15	5	30	0
18,744	1977	7	15	5	45	0
18,745	1977	7	15	6	0	0
18,746	1977	7	15	6	15	0
18,747	1977	7	15	6	30	0
18,748	1977	7	15	6	45	0
18,749	1977	7	15	7	0	0
18,750	1977	7	15	7	15	0
18,751	1977	7	15	7	30	0
18,752	1977	7	15	7	45	0
18,753	1977	7	15	8	0	0
18,754	1977	7	15	8	15	0
18,755	1977	7	15	8	30	0
18,756	1977	7	15	8	45	0
18,757	1977	7	15	9	0	0
18,758	1977	7	15	9	15	0
18,759	1977	7	15	9	30	0
18,760	1977	7	15	9	45	0
18,761	1977	7	15	10	0	0
18,762	1977	7	15	10	15	0
18,763	1977	7	15	10	30	0
18,764	1977	7	15	10	45	0
18,765	1977	7	15	11	0	0
18,766	1977	7	15	11	15	0
18,767	1977	7	15	11	30	0
18,768	1977	7	15	11	45	0
18,769	1977	7	15	12	0	0
18,770	1977	7	15	12	15	0
18,771	1977	7	15	12	30	0
18,772	1977	7	15	12	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
18,773	1977	7	15	13	0	0
18,774	1977	7	15	13	15	0
18,775	1977	7	15	13	30	0
18,776	1977	7	15	13	45	0
18,777	1977	7	15	14	0	0.0075
18,778	1977	7	15	14	15	0.0075
18,779	1977	7	15	14	30	0.0075
18,780	1977	7	15	14	45	0.0075
18,781	1977	7	15	15	0	0
18,782	1977	7	15	15	15	0
18,783	1977	7	15	15	30	0
18,784	1977	7	15	15	45	0
18,785	1977	7	15	16	0	0
18,786	1977	7	15	16	15	0
18,787	1977	7	15	16	30	0
18,788	1977	7	15	16	45	0
18,789	1977	7	15	17	0	0
18,790	1977	7	15	17	15	0
18,791	1977	7	15	17	30	0
18,792	1977	7	15	17	45	0
18,793	1977	7	15	18	0	0
18,794	1977	7	15	18	15	0
18,795	1977	7	15	18	30	0
18,796	1977	7	15	18	45	0
18,797	1977	7	15	19	0	0
18,798	1977	7	15	19	15	0
18,799	1977	7	15	19	30	0
18,800	1977	7	15	19	45	0
18,801	1977	7	15	20	0	0
18,802	1977	7	15	20	15	0
18,803	1977	7	15	20	30	0
18,804	1977	7	15	20	45	0
18,805	1977	7	15	21	0	0
18,806	1977	7	15	21	15	0
18,807	1977	7	15	21	30	0
18,808	1977	7	15	21	45	0
18,809	1977	7	15	22	0	0
18,810	1977	7	15	22	15	0
18,811	1977	7	15	22	30	0
18,812	1977	7	15	22	45	0
18,813	1977	7	15	23	0	0
18,814	1977	7	15	23	15	0
18,815	1977	7	15	23	30	0
18,816	1977	7	15	23	45	0
18,817	1977	7	16	0	0	0
18,818	1977	7	16	0	15	0
18,819	1977	7	16	0	30	0
18,820	1977	7	16	0	45	0
18,821	1977	7	16	1	0	0
18,822	1977	7	16	1	15	0
18,823	1977	7	16	1	30	0
18,824	1977	7	16	1	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
18,825	1977	7	16	2	0	0
18,826	1977	7	16	2	15	0
18,827	1977	7	16	2	30	0
18,828	1977	7	16	2	45	0
18,829	1977	7	16	3	0	0
18,830	1977	7	16	3	15	0
18,831	1977	7	16	3	30	0
18,832	1977	7	16	3	45	0
18,833	1977	7	16	4	0	0
18,834	1977	7	16	4	15	0
18,835	1977	7	16	4	30	0
18,836	1977	7	16	4	45	0
18,837	1977	7	16	5	0	0
18,838	1977	7	16	5	15	0
18,839	1977	7	16	5	30	0
18,840	1977	7	16	5	45	0
18,841	1977	7	16	6	0	0
18,842	1977	7	16	6	15	0
18,843	1977	7	16	6	30	0
18,844	1977	7	16	6	45	0
18,845	1977	7	16	7	0	0
18,846	1977	7	16	7	15	0
18,847	1977	7	16	7	30	0
18,848	1977	7	16	7	45	0
18,849	1977	7	16	8	0	0
18,850	1977	7	16	8	15	0
18,851	1977	7	16	8	30	0
18,852	1977	7	16	8	45	0
18,853	1977	7	16	9	0	0
18,854	1977	7	16	9	15	0
18,855	1977	7	16	9	30	0
18,856	1977	7	16	9	45	0
18,857	1977	7	16	10	0	0
18,858	1977	7	16	10	15	0
18,859	1977	7	16	10	30	0
18,860	1977	7	16	10	45	0
18,861	1977	7	16	11	0	0
18,862	1977	7	16	11	15	0
18,863	1977	7	16	11	30	0
18,864	1977	7	16	11	45	0
18,865	1977	7	16	12	0	0
18,866	1977	7	16	12	15	0
18,867	1977	7	16	12	30	0
18,868	1977	7	16	12	45	0
18,869	1977	7	16	13	0	0
18,870	1977	7	16	13	15	0
18,871	1977	7	16	13	30	0
18,872	1977	7	16	13	45	0
18,873	1977	7	16	14	0	0
18,874	1977	7	16	14	15	0
18,875	1977	7	16	14	30	0
18,876	1977	7	16	14	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
18,877	1977	7	16	15	0	0
18,878	1977	7	16	15	15	0
18,879	1977	7	16	15	30	0
18,880	1977	7	16	15	45	0
18,881	1977	7	16	16	0	0
18,882	1977	7	16	16	15	0
18,883	1977	7	16	16	30	0
18,884	1977	7	16	16	45	0
18,885	1977	7	16	17	0	0
18,886	1977	7	16	17	15	0
18,887	1977	7	16	17	30	0
18,888	1977	7	16	17	45	0
18,889	1977	7	16	18	0	0
18,890	1977	7	16	18	15	0
18,891	1977	7	16	18	30	0
18,892	1977	7	16	18	45	0
18,893	1977	7	16	19	0	0
18,894	1977	7	16	19	15	0
18,895	1977	7	16	19	30	0
18,896	1977	7	16	19	45	0
18,897	1977	7	16	20	0	0
18,898	1977	7	16	20	15	0
18,899	1977	7	16	20	30	0
18,900	1977	7	16	20	45	0
18,901	1977	7	16	21	0	0.025
18,902	1977	7	16	21	15	0.025
18,903	1977	7	16	21	30	0.025
18,904	1977	7	16	21	45	0.025
18,905	1977	7	16	22	0	0.0175
18,906	1977	7	16	22	15	0.0175
18,907	1977	7	16	22	30	0.0175
18,908	1977	7	16	22	45	0.0175
18,909	1977	7	16	23	0	0.0025
18,910	1977	7	16	23	15	0.0025
18,911	1977	7	16	23	30	0.0025
18,912	1977	7	16	23	45	0.0025
18,913	1977	7	17	0	0	0
18,914	1977	7	17	0	15	0
18,915	1977	7	17	0	30	0
18,916	1977	7	17	0	45	0
18,917	1977	7	17	1	0	0
18,918	1977	7	17	1	15	0
18,919	1977	7	17	1	30	0
18,920	1977	7	17	1	45	0
18,921	1977	7	17	2	0	0.0075
18,922	1977	7	17	2	15	0.0075
18,923	1977	7	17	2	30	0.0075
18,924	1977	7	17	2	45	0.0075
18,925	1977	7	17	3	0	0
18,926	1977	7	17	3	15	0
18,927	1977	7	17	3	30	0
18,928	1977	7	17	3	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
18,929	1977	7	17	4	0	0
18,930	1977	7	17	4	15	0
18,931	1977	7	17	4	30	0
18,932	1977	7	17	4	45	0
18,933	1977	7	17	5	0	0
18,934	1977	7	17	5	15	0
18,935	1977	7	17	5	30	0
18,936	1977	7	17	5	45	0
18,937	1977	7	17	6	0	0
18,938	1977	7	17	6	15	0
18,939	1977	7	17	6	30	0
18,940	1977	7	17	6	45	0
18,941	1977	7	17	7	0	0
18,942	1977	7	17	7	15	0
18,943	1977	7	17	7	30	0
18,944	1977	7	17	7	45	0
18,945	1977	7	17	8	0	0
18,946	1977	7	17	8	15	0
18,947	1977	7	17	8	30	0
18,948	1977	7	17	8	45	0
18,949	1977	7	17	9	0	0
18,950	1977	7	17	9	15	0
18,951	1977	7	17	9	30	0
18,952	1977	7	17	9	45	0
18,953	1977	7	17	10	0	0
18,954	1977	7	17	10	15	0
18,955	1977	7	17	10	30	0
18,956	1977	7	17	10	45	0
18,957	1977	7	17	11	0	0
18,958	1977	7	17	11	15	0
18,959	1977	7	17	11	30	0
18,960	1977	7	17	11	45	0
18,961	1977	7	17	12	0	0
18,962	1977	7	17	12	15	0
18,963	1977	7	17	12	30	0
18,964	1977	7	17	12	45	0
18,965	1977	7	17	13	0	0
18,966	1977	7	17	13	15	0
18,967	1977	7	17	13	30	0
18,968	1977	7	17	13	45	0
18,969	1977	7	17	14	0	0
18,970	1977	7	17	14	15	0
18,971	1977	7	17	14	30	0
18,972	1977	7	17	14	45	0
18,973	1977	7	17	15	0	0
18,974	1977	7	17	15	15	0
18,975	1977	7	17	15	30	0
18,976	1977	7	17	15	45	0
18,977	1977	7	17	16	0	0
18,978	1977	7	17	16	15	0
18,979	1977	7	17	16	30	0
18,980	1977	7	17	16	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
18,981	1977	7	17	17	0	0
18,982	1977	7	17	17	15	0
18,983	1977	7	17	17	30	0
18,984	1977	7	17	17	45	0
18,985	1977	7	17	18	0	0
18,986	1977	7	17	18	15	0
18,987	1977	7	17	18	30	0
18,988	1977	7	17	18	45	0
18,989	1977	7	17	19	0	0
18,990	1977	7	17	19	15	0
18,991	1977	7	17	19	30	0
18,992	1977	7	17	19	45	0
18,993	1977	7	17	20	0	0
18,994	1977	7	17	20	15	0
18,995	1977	7	17	20	30	0
18,996	1977	7	17	20	45	0
18,997	1977	7	17	21	0	0
18,998	1977	7	17	21	15	0
18,999	1977	7	17	21	30	0
19,000	1977	7	17	21	45	0
19,001	1977	7	17	22	0	0
19,002	1977	7	17	22	15	0
19,003	1977	7	17	22	30	0
19,004	1977	7	17	22	45	0
19,005	1977	7	17	23	0	0
19,006	1977	7	17	23	15	0
19,007	1977	7	17	23	30	0
19,008	1977	7	17	23	45	0
19,009	1977	7	18	0	0	0
19,010	1977	7	18	0	15	0
19,011	1977	7	18	0	30	0
19,012	1977	7	18	0	45	0
19,013	1977	7	18	1	0	0
19,014	1977	7	18	1	15	0
19,015	1977	7	18	1	30	0
19,016	1977	7	18	1	45	0
19,017	1977	7	18	2	0	0
19,018	1977	7	18	2	15	0
19,019	1977	7	18	2	30	0
19,020	1977	7	18	2	45	0
19,021	1977	7	18	3	0	0
19,022	1977	7	18	3	15	0
19,023	1977	7	18	3	30	0
19,024	1977	7	18	3	45	0
19,025	1977	7	18	4	0	0
19,026	1977	7	18	4	15	0
19,027	1977	7	18	4	30	0
19,028	1977	7	18	4	45	0
19,029	1977	7	18	5	0	0
19,030	1977	7	18	5	15	0
19,031	1977	7	18	5	30	0
19,032	1977	7	18	5	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
19,033	1977	7	18	6	0	0
19,034	1977	7	18	6	15	0
19,035	1977	7	18	6	30	0
19,036	1977	7	18	6	45	0
19,037	1977	7	18	7	0	0
19,038	1977	7	18	7	15	0
19,039	1977	7	18	7	30	0
19,040	1977	7	18	7	45	0
19,041	1977	7	18	8	0	0
19,042	1977	7	18	8	15	0
19,043	1977	7	18	8	30	0
19,044	1977	7	18	8	45	0
19,045	1977	7	18	9	0	0
19,046	1977	7	18	9	15	0
19,047	1977	7	18	9	30	0
19,048	1977	7	18	9	45	0
19,049	1977	7	18	10	0	0
19,050	1977	7	18	10	15	0
19,051	1977	7	18	10	30	0
19,052	1977	7	18	10	45	0
19,053	1977	7	18	11	0	0
19,054	1977	7	18	11	15	0
19,055	1977	7	18	11	30	0
19,056	1977	7	18	11	45	0
19,057	1977	7	18	12	0	0
19,058	1977	7	18	12	15	0
19,059	1977	7	18	12	30	0
19,060	1977	7	18	12	45	0
19,061	1977	7	18	13	0	0
19,062	1977	7	18	13	15	0
19,063	1977	7	18	13	30	0
19,064	1977	7	18	13	45	0
19,065	1977	7	18	14	0	0
19,066	1977	7	18	14	15	0
19,067	1977	7	18	14	30	0
19,068	1977	7	18	14	45	0
19,069	1977	7	18	15	0	0
19,070	1977	7	18	15	15	0
19,071	1977	7	18	15	30	0
19,072	1977	7	18	15	45	0
19,073	1977	7	18	16	0	0
19,074	1977	7	18	16	15	0
19,075	1977	7	18	16	30	0
19,076	1977	7	18	16	45	0
19,077	1977	7	18	17	0	0
19,078	1977	7	18	17	15	0
19,079	1977	7	18	17	30	0
19,080	1977	7	18	17	45	0
19,081	1977	7	18	18	0	0
19,082	1977	7	18	18	15	0
19,083	1977	7	18	18	30	0
19,084	1977	7	18	18	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
19,085	1977	7	18	19	0	0.04
19,086	1977	7	18	19	15	0.04
19,087	1977	7	18	19	30	0.04
19,088	1977	7	18	19	45	0.04
19,089	1977	7	18	20	0	0
19,090	1977	7	18	20	15	0
19,091	1977	7	18	20	30	0
19,092	1977	7	18	20	45	0
19,093	1977	7	18	21	0	0.005
19,094	1977	7	18	21	15	0.005
19,095	1977	7	18	21	30	0.005
19,096	1977	7	18	21	45	0.005
19,097	1977	7	18	22	0	0
19,098	1977	7	18	22	15	0
19,099	1977	7	18	22	30	0
19,100	1977	7	18	22	45	0
19,101	1977	7	18	23	0	0
19,102	1977	7	18	23	15	0
19,103	1977	7	18	23	30	0
19,104	1977	7	18	23	45	0
19,105	1977	7	19	0	0	0
19,106	1977	7	19	0	15	0
19,107	1977	7	19	0	30	0
19,108	1977	7	19	0	45	0
19,109	1977	7	19	1	0	0
19,110	1977	7	19	1	15	0
19,111	1977	7	19	1	30	0
19,112	1977	7	19	1	45	0
19,113	1977	7	19	2	0	0
19,114	1977	7	19	2	15	0
19,115	1977	7	19	2	30	0
19,116	1977	7	19	2	45	0
19,117	1977	7	19	3	0	0
19,118	1977	7	19	3	15	0
19,119	1977	7	19	3	30	0
19,120	1977	7	19	3	45	0
19,121	1977	7	19	4	0	0
19,122	1977	7	19	4	15	0
19,123	1977	7	19	4	30	0
19,124	1977	7	19	4	45	0
19,125	1977	7	19	5	0	0
19,126	1977	7	19	5	15	0
19,127	1977	7	19	5	30	0
19,128	1977	7	19	5	45	0
19,129	1977	7	19	6	0	0
19,130	1977	7	19	6	15	0
19,131	1977	7	19	6	30	0
19,132	1977	7	19	6	45	0
19,133	1977	7	19	7	0	0
19,134	1977	7	19	7	15	0
19,135	1977	7	19	7	30	0
19,136	1977	7	19	7	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
19,137	1977	7	19	8	0	0
19,138	1977	7	19	8	15	0
19,139	1977	7	19	8	30	0
19,140	1977	7	19	8	45	0
19,141	1977	7	19	9	0	0
19,142	1977	7	19	9	15	0
19,143	1977	7	19	9	30	0
19,144	1977	7	19	9	45	0
19,145	1977	7	19	10	0	0.05
19,146	1977	7	19	10	15	0.05
19,147	1977	7	19	10	30	0.05
19,148	1977	7	19	10	45	0.05
19,149	1977	7	19	11	0	0.14
19,150	1977	7	19	11	15	0.14
19,151	1977	7	19	11	30	0.14
19,152	1977	7	19	11	45	0.14
19,153	1977	7	19	12	0	0.0075
19,154	1977	7	19	12	15	0.0075
19,155	1977	7	19	12	30	0.0075
19,156	1977	7	19	12	45	0.0075
19,157	1977	7	19	13	0	0
19,158	1977	7	19	13	15	0
19,159	1977	7	19	13	30	0
19,160	1977	7	19	13	45	0
19,161	1977	7	19	14	0	0
19,162	1977	7	19	14	15	0
19,163	1977	7	19	14	30	0
19,164	1977	7	19	14	45	0
19,165	1977	7	19	15	0	0
19,166	1977	7	19	15	15	0
19,167	1977	7	19	15	30	0
19,168	1977	7	19	15	45	0
19,169	1977	7	19	16	0	0
19,170	1977	7	19	16	15	0
19,171	1977	7	19	16	30	0
19,172	1977	7	19	16	45	0
19,173	1977	7	19	17	0	0
19,174	1977	7	19	17	15	0
19,175	1977	7	19	17	30	0
19,176	1977	7	19	17	45	0
19,177	1977	7	19	18	0	0
19,178	1977	7	19	18	15	0
19,179	1977	7	19	18	30	0
19,180	1977	7	19	18	45	0
19,181	1977	7	19	19	0	0
19,182	1977	7	19	19	15	0
19,183	1977	7	19	19	30	0
19,184	1977	7	19	19	45	0
19,185	1977	7	19	20	0	0
19,186	1977	7	19	20	15	0
19,187	1977	7	19	20	30	0
19,188	1977	7	19	20	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
19,189	1977	7	19	21	0	0
19,190	1977	7	19	21	15	0
19,191	1977	7	19	21	30	0
19,192	1977	7	19	21	45	0
19,193	1977	7	19	22	0	0
19,194	1977	7	19	22	15	0
19,195	1977	7	19	22	30	0
19,196	1977	7	19	22	45	0
19,197	1977	7	19	23	0	0
19,198	1977	7	19	23	15	0
19,199	1977	7	19	23	30	0
19,200	1977	7	19	23	45	0
19,201	1977	7	20	0	0	0
19,202	1977	7	20	0	15	0
19,203	1977	7	20	0	30	0
19,204	1977	7	20	0	45	0
19,205	1977	7	20	1	0	0
19,206	1977	7	20	1	15	0
19,207	1977	7	20	1	30	0
19,208	1977	7	20	1	45	0
19,209	1977	7	20	2	0	0
19,210	1977	7	20	2	15	0
19,211	1977	7	20	2	30	0
19,212	1977	7	20	2	45	0
19,213	1977	7	20	3	0	0
19,214	1977	7	20	3	15	0
19,215	1977	7	20	3	30	0
19,216	1977	7	20	3	45	0
19,217	1977	7	20	4	0	0
19,218	1977	7	20	4	15	0
19,219	1977	7	20	4	30	0
19,220	1977	7	20	4	45	0
19,221	1977	7	20	5	0	0
19,222	1977	7	20	5	15	0
19,223	1977	7	20	5	30	0
19,224	1977	7	20	5	45	0
19,225	1977	7	20	6	0	0
19,226	1977	7	20	6	15	0
19,227	1977	7	20	6	30	0
19,228	1977	7	20	6	45	0
19,229	1977	7	20	7	0	0
19,230	1977	7	20	7	15	0
19,231	1977	7	20	7	30	0
19,232	1977	7	20	7	45	0
19,233	1977	7	20	8	0	0
19,234	1977	7	20	8	15	0
19,235	1977	7	20	8	30	0
19,236	1977	7	20	8	45	0
19,237	1977	7	20	9	0	0
19,238	1977	7	20	9	15	0
19,239	1977	7	20	9	30	0
19,240	1977	7	20	9	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
19,241	1977	7	20	10	0	0
19,242	1977	7	20	10	15	0
19,243	1977	7	20	10	30	0
19,244	1977	7	20	10	45	0
19,245	1977	7	20	11	0	0
19,246	1977	7	20	11	15	0
19,247	1977	7	20	11	30	0
19,248	1977	7	20	11	45	0
19,249	1977	7	20	12	0	0
19,250	1977	7	20	12	15	0
19,251	1977	7	20	12	30	0
19,252	1977	7	20	12	45	0
19,253	1977	7	20	13	0	0
19,254	1977	7	20	13	15	0
19,255	1977	7	20	13	30	0
19,256	1977	7	20	13	45	0
19,257	1977	7	20	14	0	0
19,258	1977	7	20	14	15	0
19,259	1977	7	20	14	30	0
19,260	1977	7	20	14	45	0
19,261	1977	7	20	15	0	0
19,262	1977	7	20	15	15	0
19,263	1977	7	20	15	30	0
19,264	1977	7	20	15	45	0
19,265	1977	7	20	16	0	0
19,266	1977	7	20	16	15	0
19,267	1977	7	20	16	30	0
19,268	1977	7	20	16	45	0
19,269	1977	7	20	17	0	0
19,270	1977	7	20	17	15	0
19,271	1977	7	20	17	30	0
19,272	1977	7	20	17	45	0
19,273	1977	7	20	18	0	0
19,274	1977	7	20	18	15	0
19,275	1977	7	20	18	30	0
19,276	1977	7	20	18	45	0
19,277	1977	7	20	19	0	0
19,278	1977	7	20	19	15	0
19,279	1977	7	20	19	30	0
19,280	1977	7	20	19	45	0
19,281	1977	7	20	20	0	0
19,282	1977	7	20	20	15	0
19,283	1977	7	20	20	30	0
19,284	1977	7	20	20	45	0
19,285	1977	7	20	21	0	0
19,286	1977	7	20	21	15	0
19,287	1977	7	20	21	30	0
19,288	1977	7	20	21	45	0
19,289	1977	7	20	22	0	0
19,290	1977	7	20	22	15	0
19,291	1977	7	20	22	30	0
19,292	1977	7	20	22	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
19,293	1977	7	20	23	0	0
19,294	1977	7	20	23	15	0
19,295	1977	7	20	23	30	0
19,296	1977	7	20	23	45	0
19,297	1977	7	21	0	0	0
19,298	1977	7	21	0	15	0
19,299	1977	7	21	0	30	0
19,300	1977	7	21	0	45	0
19,301	1977	7	21	1	0	0
19,302	1977	7	21	1	15	0
19,303	1977	7	21	1	30	0
19,304	1977	7	21	1	45	0
19,305	1977	7	21	2	0	0
19,306	1977	7	21	2	15	0
19,307	1977	7	21	2	30	0
19,308	1977	7	21	2	45	0
19,309	1977	7	21	3	0	0
19,310	1977	7	21	3	15	0
19,311	1977	7	21	3	30	0
19,312	1977	7	21	3	45	0
19,313	1977	7	21	4	0	0
19,314	1977	7	21	4	15	0
19,315	1977	7	21	4	30	0
19,316	1977	7	21	4	45	0
19,317	1977	7	21	5	0	0
19,318	1977	7	21	5	15	0
19,319	1977	7	21	5	30	0
19,320	1977	7	21	5	45	0
19,321	1977	7	21	6	0	0
19,322	1977	7	21	6	15	0
19,323	1977	7	21	6	30	0
19,324	1977	7	21	6	45	0
19,325	1977	7	21	7	0	0
19,326	1977	7	21	7	15	0
19,327	1977	7	21	7	30	0
19,328	1977	7	21	7	45	0
19,329	1977	7	21	8	0	0
19,330	1977	7	21	8	15	0
19,331	1977	7	21	8	30	0
19,332	1977	7	21	8	45	0
19,333	1977	7	21	9	0	0
19,334	1977	7	21	9	15	0
19,335	1977	7	21	9	30	0
19,336	1977	7	21	9	45	0
19,337	1977	7	21	10	0	0
19,338	1977	7	21	10	15	0
19,339	1977	7	21	10	30	0
19,340	1977	7	21	10	45	0
19,341	1977	7	21	11	0	0
19,342	1977	7	21	11	15	0
19,343	1977	7	21	11	30	0
19,344	1977	7	21	11	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
19,345	1977	7	21	12	0	0
19,346	1977	7	21	12	15	0
19,347	1977	7	21	12	30	0
19,348	1977	7	21	12	45	0
19,349	1977	7	21	13	0	0
19,350	1977	7	21	13	15	0
19,351	1977	7	21	13	30	0
19,352	1977	7	21	13	45	0
19,353	1977	7	21	14	0	0
19,354	1977	7	21	14	15	0
19,355	1977	7	21	14	30	0
19,356	1977	7	21	14	45	0
19,357	1977	7	21	15	0	0
19,358	1977	7	21	15	15	0
19,359	1977	7	21	15	30	0
19,360	1977	7	21	15	45	0
19,361	1977	7	21	16	0	0
19,362	1977	7	21	16	15	0
19,363	1977	7	21	16	30	0
19,364	1977	7	21	16	45	0
19,365	1977	7	21	17	0	0
19,366	1977	7	21	17	15	0
19,367	1977	7	21	17	30	0
19,368	1977	7	21	17	45	0
19,369	1977	7	21	18	0	0
19,370	1977	7	21	18	15	0
19,371	1977	7	21	18	30	0
19,372	1977	7	21	18	45	0
19,373	1977	7	21	19	0	0
19,374	1977	7	21	19	15	0
19,375	1977	7	21	19	30	0
19,376	1977	7	21	19	45	0
19,377	1977	7	21	20	0	0.0025
19,378	1977	7	21	20	15	0.0025
19,379	1977	7	21	20	30	0.0025
19,380	1977	7	21	20	45	0.0025
19,381	1977	7	21	21	0	0
19,382	1977	7	21	21	15	0
19,383	1977	7	21	21	30	0
19,384	1977	7	21	21	45	0
19,385	1977	7	21	22	0	0
19,386	1977	7	21	22	15	0
19,387	1977	7	21	22	30	0
19,388	1977	7	21	22	45	0
19,389	1977	7	21	23	0	0
19,390	1977	7	21	23	15	0
19,391	1977	7	21	23	30	0
19,392	1977	7	21	23	45	0
19,393	1977	7	22	0	0	0
19,394	1977	7	22	0	15	0
19,395	1977	7	22	0	30	0
19,396	1977	7	22	0	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
19,397	1977	7	22	1	0	0
19,398	1977	7	22	1	15	0
19,399	1977	7	22	1	30	0
19,400	1977	7	22	1	45	0
19,401	1977	7	22	2	0	0
19,402	1977	7	22	2	15	0
19,403	1977	7	22	2	30	0
19,404	1977	7	22	2	45	0
19,405	1977	7	22	3	0	0
19,406	1977	7	22	3	15	0
19,407	1977	7	22	3	30	0
19,408	1977	7	22	3	45	0
19,409	1977	7	22	4	0	0
19,410	1977	7	22	4	15	0
19,411	1977	7	22	4	30	0
19,412	1977	7	22	4	45	0
19,413	1977	7	22	5	0	0
19,414	1977	7	22	5	15	0
19,415	1977	7	22	5	30	0
19,416	1977	7	22	5	45	0
19,417	1977	7	22	6	0	0
19,418	1977	7	22	6	15	0
19,419	1977	7	22	6	30	0
19,420	1977	7	22	6	45	0
19,421	1977	7	22	7	0	0
19,422	1977	7	22	7	15	0
19,423	1977	7	22	7	30	0
19,424	1977	7	22	7	45	0
19,425	1977	7	22	8	0	0
19,426	1977	7	22	8	15	0
19,427	1977	7	22	8	30	0
19,428	1977	7	22	8	45	0
19,429	1977	7	22	9	0	0
19,430	1977	7	22	9	15	0
19,431	1977	7	22	9	30	0
19,432	1977	7	22	9	45	0
19,433	1977	7	22	10	0	0
19,434	1977	7	22	10	15	0
19,435	1977	7	22	10	30	0
19,436	1977	7	22	10	45	0
19,437	1977	7	22	11	0	0
19,438	1977	7	22	11	15	0
19,439	1977	7	22	11	30	0
19,440	1977	7	22	11	45	0
19,441	1977	7	22	12	0	0
19,442	1977	7	22	12	15	0
19,443	1977	7	22	12	30	0
19,444	1977	7	22	12	45	0
19,445	1977	7	22	13	0	0
19,446	1977	7	22	13	15	0
19,447	1977	7	22	13	30	0
19,448	1977	7	22	13	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
19,449	1977	7	22	14	0	0
19,450	1977	7	22	14	15	0
19,451	1977	7	22	14	30	0
19,452	1977	7	22	14	45	0
19,453	1977	7	22	15	0	0
19,454	1977	7	22	15	15	0
19,455	1977	7	22	15	30	0
19,456	1977	7	22	15	45	0
19,457	1977	7	22	16	0	0
19,458	1977	7	22	16	15	0
19,459	1977	7	22	16	30	0
19,460	1977	7	22	16	45	0
19,461	1977	7	22	17	0	0
19,462	1977	7	22	17	15	0
19,463	1977	7	22	17	30	0
19,464	1977	7	22	17	45	0
19,465	1977	7	22	18	0	0
19,466	1977	7	22	18	15	0
19,467	1977	7	22	18	30	0
19,468	1977	7	22	18	45	0
19,469	1977	7	22	19	0	0
19,470	1977	7	22	19	15	0
19,471	1977	7	22	19	30	0
19,472	1977	7	22	19	45	0
19,473	1977	7	22	20	0	0
19,474	1977	7	22	20	15	0
19,475	1977	7	22	20	30	0
19,476	1977	7	22	20	45	0
19,477	1977	7	22	21	0	0
19,478	1977	7	22	21	15	0
19,479	1977	7	22	21	30	0
19,480	1977	7	22	21	45	0
19,481	1977	7	22	22	0	0
19,482	1977	7	22	22	15	0
19,483	1977	7	22	22	30	0
19,484	1977	7	22	22	45	0
19,485	1977	7	22	23	0	0
19,486	1977	7	22	23	15	0
19,487	1977	7	22	23	30	0
19,488	1977	7	22	23	45	0
19,489	1977	7	23	0	0	0
19,490	1977	7	23	0	15	0
19,491	1977	7	23	0	30	0
19,492	1977	7	23	0	45	0
19,493	1977	7	23	1	0	0
19,494	1977	7	23	1	15	0
19,495	1977	7	23	1	30	0
19,496	1977	7	23	1	45	0
19,497	1977	7	23	2	0	0
19,498	1977	7	23	2	15	0
19,499	1977	7	23	2	30	0
19,500	1977	7	23	2	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
19,501	1977	7	23	3	0	0
19,502	1977	7	23	3	15	0
19,503	1977	7	23	3	30	0
19,504	1977	7	23	3	45	0
19,505	1977	7	23	4	0	0
19,506	1977	7	23	4	15	0
19,507	1977	7	23	4	30	0
19,508	1977	7	23	4	45	0
19,509	1977	7	23	5	0	0
19,510	1977	7	23	5	15	0
19,511	1977	7	23	5	30	0
19,512	1977	7	23	5	45	0
19,513	1977	7	23	6	0	0
19,514	1977	7	23	6	15	0
19,515	1977	7	23	6	30	0
19,516	1977	7	23	6	45	0
19,517	1977	7	23	7	0	0
19,518	1977	7	23	7	15	0
19,519	1977	7	23	7	30	0
19,520	1977	7	23	7	45	0
19,521	1977	7	23	8	0	0
19,522	1977	7	23	8	15	0
19,523	1977	7	23	8	30	0
19,524	1977	7	23	8	45	0
19,525	1977	7	23	9	0	0
19,526	1977	7	23	9	15	0
19,527	1977	7	23	9	30	0
19,528	1977	7	23	9	45	0
19,529	1977	7	23	10	0	0
19,530	1977	7	23	10	15	0
19,531	1977	7	23	10	30	0
19,532	1977	7	23	10	45	0
19,533	1977	7	23	11	0	0
19,534	1977	7	23	11	15	0
19,535	1977	7	23	11	30	0
19,536	1977	7	23	11	45	0
19,537	1977	7	23	12	0	0
19,538	1977	7	23	12	15	0
19,539	1977	7	23	12	30	0
19,540	1977	7	23	12	45	0
19,541	1977	7	23	13	0	0
19,542	1977	7	23	13	15	0
19,543	1977	7	23	13	30	0
19,544	1977	7	23	13	45	0
19,545	1977	7	23	14	0	0
19,546	1977	7	23	14	15	0
19,547	1977	7	23	14	30	0
19,548	1977	7	23	14	45	0
19,549	1977	7	23	15	0	0
19,550	1977	7	23	15	15	0
19,551	1977	7	23	15	30	0
19,552	1977	7	23	15	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
19,553	1977	7	23	16	0	0
19,554	1977	7	23	16	15	0
19,555	1977	7	23	16	30	0
19,556	1977	7	23	16	45	0
19,557	1977	7	23	17	0	0
19,558	1977	7	23	17	15	0
19,559	1977	7	23	17	30	0
19,560	1977	7	23	17	45	0
19,561	1977	7	23	18	0	0
19,562	1977	7	23	18	15	0
19,563	1977	7	23	18	30	0
19,564	1977	7	23	18	45	0
19,565	1977	7	23	19	0	0
19,566	1977	7	23	19	15	0
19,567	1977	7	23	19	30	0
19,568	1977	7	23	19	45	0
19,569	1977	7	23	20	0	0
19,570	1977	7	23	20	15	0
19,571	1977	7	23	20	30	0
19,572	1977	7	23	20	45	0
19,573	1977	7	23	21	0	0
19,574	1977	7	23	21	15	0
19,575	1977	7	23	21	30	0
19,576	1977	7	23	21	45	0
19,577	1977	7	23	22	0	0
19,578	1977	7	23	22	15	0
19,579	1977	7	23	22	30	0
19,580	1977	7	23	22	45	0
19,581	1977	7	23	23	0	0
19,582	1977	7	23	23	15	0
19,583	1977	7	23	23	30	0
19,584	1977	7	23	23	45	0
19,585	1977	7	24	0	0	0
19,586	1977	7	24	0	15	0
19,587	1977	7	24	0	30	0
19,588	1977	7	24	0	45	0
19,589	1977	7	24	1	0	0
19,590	1977	7	24	1	15	0
19,591	1977	7	24	1	30	0
19,592	1977	7	24	1	45	0
19,593	1977	7	24	2	0	0
19,594	1977	7	24	2	15	0
19,595	1977	7	24	2	30	0
19,596	1977	7	24	2	45	0
19,597	1977	7	24	3	0	0
19,598	1977	7	24	3	15	0
19,599	1977	7	24	3	30	0
19,600	1977	7	24	3	45	0
19,601	1977	7	24	4	0	0
19,602	1977	7	24	4	15	0
19,603	1977	7	24	4	30	0
19,604	1977	7	24	4	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
19,605	1977	7	24	5	0	0
19,606	1977	7	24	5	15	0
19,607	1977	7	24	5	30	0
19,608	1977	7	24	5	45	0
19,609	1977	7	24	6	0	0
19,610	1977	7	24	6	15	0
19,611	1977	7	24	6	30	0
19,612	1977	7	24	6	45	0
19,613	1977	7	24	7	0	0
19,614	1977	7	24	7	15	0
19,615	1977	7	24	7	30	0
19,616	1977	7	24	7	45	0
19,617	1977	7	24	8	0	0
19,618	1977	7	24	8	15	0
19,619	1977	7	24	8	30	0
19,620	1977	7	24	8	45	0
19,621	1977	7	24	9	0	0
19,622	1977	7	24	9	15	0
19,623	1977	7	24	9	30	0
19,624	1977	7	24	9	45	0
19,625	1977	7	24	10	0	0
19,626	1977	7	24	10	15	0
19,627	1977	7	24	10	30	0
19,628	1977	7	24	10	45	0
19,629	1977	7	24	11	0	0
19,630	1977	7	24	11	15	0
19,631	1977	7	24	11	30	0
19,632	1977	7	24	11	45	0
19,633	1977	7	24	12	0	0
19,634	1977	7	24	12	15	0
19,635	1977	7	24	12	30	0
19,636	1977	7	24	12	45	0
19,637	1977	7	24	13	0	0
19,638	1977	7	24	13	15	0
19,639	1977	7	24	13	30	0
19,640	1977	7	24	13	45	0
19,641	1977	7	24	14	0	0
19,642	1977	7	24	14	15	0
19,643	1977	7	24	14	30	0
19,644	1977	7	24	14	45	0
19,645	1977	7	24	15	0	0
19,646	1977	7	24	15	15	0
19,647	1977	7	24	15	30	0
19,648	1977	7	24	15	45	0
19,649	1977	7	24	16	0	0
19,650	1977	7	24	16	15	0
19,651	1977	7	24	16	30	0
19,652	1977	7	24	16	45	0
19,653	1977	7	24	17	0	0
19,654	1977	7	24	17	15	0
19,655	1977	7	24	17	30	0
19,656	1977	7	24	17	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
19,657	1977	7	24	18	0	0
19,658	1977	7	24	18	15	0
19,659	1977	7	24	18	30	0
19,660	1977	7	24	18	45	0
19,661	1977	7	24	19	0	0
19,662	1977	7	24	19	15	0
19,663	1977	7	24	19	30	0
19,664	1977	7	24	19	45	0
19,665	1977	7	24	20	0	0
19,666	1977	7	24	20	15	0
19,667	1977	7	24	20	30	0
19,668	1977	7	24	20	45	0
19,669	1977	7	24	21	0	0
19,670	1977	7	24	21	15	0
19,671	1977	7	24	21	30	0
19,672	1977	7	24	21	45	0
19,673	1977	7	24	22	0	0
19,674	1977	7	24	22	15	0
19,675	1977	7	24	22	30	0
19,676	1977	7	24	22	45	0
19,677	1977	7	24	23	0	0
19,678	1977	7	24	23	15	0
19,679	1977	7	24	23	30	0
19,680	1977	7	24	23	45	0
19,681	1977	7	25	0	0	0
19,682	1977	7	25	0	15	0
19,683	1977	7	25	0	30	0
19,684	1977	7	25	0	45	0
19,685	1977	7	25	1	0	0
19,686	1977	7	25	1	15	0
19,687	1977	7	25	1	30	0
19,688	1977	7	25	1	45	0
19,689	1977	7	25	2	0	0
19,690	1977	7	25	2	15	0
19,691	1977	7	25	2	30	0
19,692	1977	7	25	2	45	0
19,693	1977	7	25	3	0	0
19,694	1977	7	25	3	15	0
19,695	1977	7	25	3	30	0
19,696	1977	7	25	3	45	0
19,697	1977	7	25	4	0	0
19,698	1977	7	25	4	15	0
19,699	1977	7	25	4	30	0
19,700	1977	7	25	4	45	0
19,701	1977	7	25	5	0	0.0675
19,702	1977	7	25	5	15	0.0675
19,703	1977	7	25	5	30	0.0675
19,704	1977	7	25	5	45	0.0675
19,705	1977	7	25	6	0	0.005
19,706	1977	7	25	6	15	0.005
19,707	1977	7	25	6	30	0.005
19,708	1977	7	25	6	45	0.005

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
19,709	1977	7	25	7	0	0
19,710	1977	7	25	7	15	0
19,711	1977	7	25	7	30	0
19,712	1977	7	25	7	45	0
19,713	1977	7	25	8	0	0
19,714	1977	7	25	8	15	0
19,715	1977	7	25	8	30	0
19,716	1977	7	25	8	45	0
19,717	1977	7	25	9	0	0
19,718	1977	7	25	9	15	0
19,719	1977	7	25	9	30	0
19,720	1977	7	25	9	45	0
19,721	1977	7	25	10	0	0
19,722	1977	7	25	10	15	0
19,723	1977	7	25	10	30	0
19,724	1977	7	25	10	45	0
19,725	1977	7	25	11	0	0
19,726	1977	7	25	11	15	0
19,727	1977	7	25	11	30	0
19,728	1977	7	25	11	45	0
19,729	1977	7	25	12	0	0
19,730	1977	7	25	12	15	0
19,731	1977	7	25	12	30	0
19,732	1977	7	25	12	45	0
19,733	1977	7	25	13	0	0
19,734	1977	7	25	13	15	0
19,735	1977	7	25	13	30	0
19,736	1977	7	25	13	45	0
19,737	1977	7	25	14	0	0
19,738	1977	7	25	14	15	0
19,739	1977	7	25	14	30	0
19,740	1977	7	25	14	45	0
19,741	1977	7	25	15	0	0
19,742	1977	7	25	15	15	0
19,743	1977	7	25	15	30	0
19,744	1977	7	25	15	45	0
19,745	1977	7	25	16	0	0
19,746	1977	7	25	16	15	0
19,747	1977	7	25	16	30	0
19,748	1977	7	25	16	45	0
19,749	1977	7	25	17	0	0
19,750	1977	7	25	17	15	0
19,751	1977	7	25	17	30	0
19,752	1977	7	25	17	45	0
19,753	1977	7	25	18	0	0
19,754	1977	7	25	18	15	0
19,755	1977	7	25	18	30	0
19,756	1977	7	25	18	45	0
19,757	1977	7	25	19	0	0
19,758	1977	7	25	19	15	0
19,759	1977	7	25	19	30	0
19,760	1977	7	25	19	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
19,761	1977	7	25	20	0	0
19,762	1977	7	25	20	15	0
19,763	1977	7	25	20	30	0
19,764	1977	7	25	20	45	0
19,765	1977	7	25	21	0	0
19,766	1977	7	25	21	15	0
19,767	1977	7	25	21	30	0
19,768	1977	7	25	21	45	0
19,769	1977	7	25	22	0	0
19,770	1977	7	25	22	15	0
19,771	1977	7	25	22	30	0
19,772	1977	7	25	22	45	0
19,773	1977	7	25	23	0	0
19,774	1977	7	25	23	15	0
19,775	1977	7	25	23	30	0
19,776	1977	7	25	23	45	0
19,777	1977	7	26	0	0	0
19,778	1977	7	26	0	15	0
19,779	1977	7	26	0	30	0
19,780	1977	7	26	0	45	0
19,781	1977	7	26	1	0	0
19,782	1977	7	26	1	15	0
19,783	1977	7	26	1	30	0
19,784	1977	7	26	1	45	0
19,785	1977	7	26	2	0	0
19,786	1977	7	26	2	15	0
19,787	1977	7	26	2	30	0
19,788	1977	7	26	2	45	0
19,789	1977	7	26	3	0	0
19,790	1977	7	26	3	15	0
19,791	1977	7	26	3	30	0
19,792	1977	7	26	3	45	0
19,793	1977	7	26	4	0	0
19,794	1977	7	26	4	15	0
19,795	1977	7	26	4	30	0
19,796	1977	7	26	4	45	0
19,797	1977	7	26	5	0	0
19,798	1977	7	26	5	15	0
19,799	1977	7	26	5	30	0
19,800	1977	7	26	5	45	0
19,801	1977	7	26	6	0	0
19,802	1977	7	26	6	15	0
19,803	1977	7	26	6	30	0
19,804	1977	7	26	6	45	0
19,805	1977	7	26	7	0	0
19,806	1977	7	26	7	15	0
19,807	1977	7	26	7	30	0
19,808	1977	7	26	7	45	0
19,809	1977	7	26	8	0	0
19,810	1977	7	26	8	15	0
19,811	1977	7	26	8	30	0
19,812	1977	7	26	8	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
19,813	1977	7	26	9	0	0
19,814	1977	7	26	9	15	0
19,815	1977	7	26	9	30	0
19,816	1977	7	26	9	45	0
19,817	1977	7	26	10	0	0
19,818	1977	7	26	10	15	0
19,819	1977	7	26	10	30	0
19,820	1977	7	26	10	45	0
19,821	1977	7	26	11	0	0
19,822	1977	7	26	11	15	0
19,823	1977	7	26	11	30	0
19,824	1977	7	26	11	45	0
19,825	1977	7	26	12	0	0
19,826	1977	7	26	12	15	0
19,827	1977	7	26	12	30	0
19,828	1977	7	26	12	45	0
19,829	1977	7	26	13	0	0
19,830	1977	7	26	13	15	0
19,831	1977	7	26	13	30	0
19,832	1977	7	26	13	45	0
19,833	1977	7	26	14	0	0
19,834	1977	7	26	14	15	0
19,835	1977	7	26	14	30	0
19,836	1977	7	26	14	45	0
19,837	1977	7	26	15	0	0
19,838	1977	7	26	15	15	0
19,839	1977	7	26	15	30	0
19,840	1977	7	26	15	45	0
19,841	1977	7	26	16	0	0
19,842	1977	7	26	16	15	0
19,843	1977	7	26	16	30	0
19,844	1977	7	26	16	45	0
19,845	1977	7	26	17	0	0
19,846	1977	7	26	17	15	0
19,847	1977	7	26	17	30	0
19,848	1977	7	26	17	45	0
19,849	1977	7	26	18	0	0
19,850	1977	7	26	18	15	0
19,851	1977	7	26	18	30	0
19,852	1977	7	26	18	45	0
19,853	1977	7	26	19	0	0
19,854	1977	7	26	19	15	0
19,855	1977	7	26	19	30	0
19,856	1977	7	26	19	45	0
19,857	1977	7	26	20	0	0
19,858	1977	7	26	20	15	0
19,859	1977	7	26	20	30	0
19,860	1977	7	26	20	45	0
19,861	1977	7	26	21	0	0
19,862	1977	7	26	21	15	0
19,863	1977	7	26	21	30	0
19,864	1977	7	26	21	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
19,865	1977	7	26	22	0	0
19,866	1977	7	26	22	15	0
19,867	1977	7	26	22	30	0
19,868	1977	7	26	22	45	0
19,869	1977	7	26	23	0	0
19,870	1977	7	26	23	15	0
19,871	1977	7	26	23	30	0
19,872	1977	7	26	23	45	0
19,873	1977	7	27	0	0	0
19,874	1977	7	27	0	15	0
19,875	1977	7	27	0	30	0
19,876	1977	7	27	0	45	0
19,877	1977	7	27	1	0	0
19,878	1977	7	27	1	15	0
19,879	1977	7	27	1	30	0
19,880	1977	7	27	1	45	0
19,881	1977	7	27	2	0	0
19,882	1977	7	27	2	15	0
19,883	1977	7	27	2	30	0
19,884	1977	7	27	2	45	0
19,885	1977	7	27	3	0	0
19,886	1977	7	27	3	15	0
19,887	1977	7	27	3	30	0
19,888	1977	7	27	3	45	0
19,889	1977	7	27	4	0	0
19,890	1977	7	27	4	15	0
19,891	1977	7	27	4	30	0
19,892	1977	7	27	4	45	0
19,893	1977	7	27	5	0	0
19,894	1977	7	27	5	15	0
19,895	1977	7	27	5	30	0
19,896	1977	7	27	5	45	0
19,897	1977	7	27	6	0	0
19,898	1977	7	27	6	15	0
19,899	1977	7	27	6	30	0
19,900	1977	7	27	6	45	0
19,901	1977	7	27	7	0	0
19,902	1977	7	27	7	15	0
19,903	1977	7	27	7	30	0
19,904	1977	7	27	7	45	0
19,905	1977	7	27	8	0	0
19,906	1977	7	27	8	15	0
19,907	1977	7	27	8	30	0
19,908	1977	7	27	8	45	0
19,909	1977	7	27	9	0	0
19,910	1977	7	27	9	15	0
19,911	1977	7	27	9	30	0
19,912	1977	7	27	9	45	0
19,913	1977	7	27	10	0	0
19,914	1977	7	27	10	15	0
19,915	1977	7	27	10	30	0
19,916	1977	7	27	10	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
19,917	1977	7	27	11	0	0
19,918	1977	7	27	11	15	0
19,919	1977	7	27	11	30	0
19,920	1977	7	27	11	45	0
19,921	1977	7	27	12	0	0
19,922	1977	7	27	12	15	0
19,923	1977	7	27	12	30	0
19,924	1977	7	27	12	45	0
19,925	1977	7	27	13	0	0
19,926	1977	7	27	13	15	0
19,927	1977	7	27	13	30	0
19,928	1977	7	27	13	45	0
19,929	1977	7	27	14	0	0
19,930	1977	7	27	14	15	0
19,931	1977	7	27	14	30	0
19,932	1977	7	27	14	45	0
19,933	1977	7	27	15	0	0
19,934	1977	7	27	15	15	0
19,935	1977	7	27	15	30	0
19,936	1977	7	27	15	45	0
19,937	1977	7	27	16	0	0
19,938	1977	7	27	16	15	0
19,939	1977	7	27	16	30	0
19,940	1977	7	27	16	45	0
19,941	1977	7	27	17	0	0
19,942	1977	7	27	17	15	0
19,943	1977	7	27	17	30	0
19,944	1977	7	27	17	45	0
19,945	1977	7	27	18	0	0
19,946	1977	7	27	18	15	0
19,947	1977	7	27	18	30	0
19,948	1977	7	27	18	45	0
19,949	1977	7	27	19	0	0
19,950	1977	7	27	19	15	0
19,951	1977	7	27	19	30	0
19,952	1977	7	27	19	45	0
19,953	1977	7	27	20	0	0
19,954	1977	7	27	20	15	0
19,955	1977	7	27	20	30	0
19,956	1977	7	27	20	45	0
19,957	1977	7	27	21	0	0
19,958	1977	7	27	21	15	0
19,959	1977	7	27	21	30	0
19,960	1977	7	27	21	45	0
19,961	1977	7	27	22	0	0
19,962	1977	7	27	22	15	0
19,963	1977	7	27	22	30	0
19,964	1977	7	27	22	45	0
19,965	1977	7	27	23	0	0
19,966	1977	7	27	23	15	0
19,967	1977	7	27	23	30	0
19,968	1977	7	27	23	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
19,969	1977	7	28	0	0	0
19,970	1977	7	28	0	15	0
19,971	1977	7	28	0	30	0
19,972	1977	7	28	0	45	0
19,973	1977	7	28	1	0	0
19,974	1977	7	28	1	15	0
19,975	1977	7	28	1	30	0
19,976	1977	7	28	1	45	0
19,977	1977	7	28	2	0	0
19,978	1977	7	28	2	15	0
19,979	1977	7	28	2	30	0
19,980	1977	7	28	2	45	0
19,981	1977	7	28	3	0	0
19,982	1977	7	28	3	15	0
19,983	1977	7	28	3	30	0
19,984	1977	7	28	3	45	0
19,985	1977	7	28	4	0	0
19,986	1977	7	28	4	15	0
19,987	1977	7	28	4	30	0
19,988	1977	7	28	4	45	0
19,989	1977	7	28	5	0	0
19,990	1977	7	28	5	15	0
19,991	1977	7	28	5	30	0
19,992	1977	7	28	5	45	0
19,993	1977	7	28	6	0	0
19,994	1977	7	28	6	15	0
19,995	1977	7	28	6	30	0
19,996	1977	7	28	6	45	0
19,997	1977	7	28	7	0	0
19,998	1977	7	28	7	15	0
19,999	1977	7	28	7	30	0
20,000	1977	7	28	7	45	0
20,001	1977	7	28	8	0	0
20,002	1977	7	28	8	15	0
20,003	1977	7	28	8	30	0
20,004	1977	7	28	8	45	0
20,005	1977	7	28	9	0	0
20,006	1977	7	28	9	15	0
20,007	1977	7	28	9	30	0
20,008	1977	7	28	9	45	0
20,009	1977	7	28	10	0	0
20,010	1977	7	28	10	15	0
20,011	1977	7	28	10	30	0
20,012	1977	7	28	10	45	0
20,013	1977	7	28	11	0	0
20,014	1977	7	28	11	15	0
20,015	1977	7	28	11	30	0
20,016	1977	7	28	11	45	0
20,017	1977	7	28	12	0	0
20,018	1977	7	28	12	15	0
20,019	1977	7	28	12	30	0
20,020	1977	7	28	12	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
20,021	1977	7	28	13	0	0
20,022	1977	7	28	13	15	0
20,023	1977	7	28	13	30	0
20,024	1977	7	28	13	45	0
20,025	1977	7	28	14	0	0
20,026	1977	7	28	14	15	0
20,027	1977	7	28	14	30	0
20,028	1977	7	28	14	45	0
20,029	1977	7	28	15	0	0
20,030	1977	7	28	15	15	0
20,031	1977	7	28	15	30	0
20,032	1977	7	28	15	45	0
20,033	1977	7	28	16	0	0
20,034	1977	7	28	16	15	0
20,035	1977	7	28	16	30	0
20,036	1977	7	28	16	45	0
20,037	1977	7	28	17	0	0
20,038	1977	7	28	17	15	0
20,039	1977	7	28	17	30	0
20,040	1977	7	28	17	45	0
20,041	1977	7	28	18	0	0
20,042	1977	7	28	18	15	0
20,043	1977	7	28	18	30	0
20,044	1977	7	28	18	45	0
20,045	1977	7	28	19	0	0
20,046	1977	7	28	19	15	0
20,047	1977	7	28	19	30	0
20,048	1977	7	28	19	45	0
20,049	1977	7	28	20	0	0
20,050	1977	7	28	20	15	0
20,051	1977	7	28	20	30	0
20,052	1977	7	28	20	45	0
20,053	1977	7	28	21	0	0
20,054	1977	7	28	21	15	0
20,055	1977	7	28	21	30	0
20,056	1977	7	28	21	45	0
20,057	1977	7	28	22	0	0
20,058	1977	7	28	22	15	0
20,059	1977	7	28	22	30	0
20,060	1977	7	28	22	45	0
20,061	1977	7	28	23	0	0
20,062	1977	7	28	23	15	0
20,063	1977	7	28	23	30	0
20,064	1977	7	28	23	45	0
20,065	1977	7	29	0	0	0
20,066	1977	7	29	0	15	0
20,067	1977	7	29	0	30	0
20,068	1977	7	29	0	45	0
20,069	1977	7	29	1	0	0
20,070	1977	7	29	1	15	0
20,071	1977	7	29	1	30	0
20,072	1977	7	29	1	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
20,073	1977	7	29	2	0	0
20,074	1977	7	29	2	15	0
20,075	1977	7	29	2	30	0
20,076	1977	7	29	2	45	0
20,077	1977	7	29	3	0	0
20,078	1977	7	29	3	15	0
20,079	1977	7	29	3	30	0
20,080	1977	7	29	3	45	0
20,081	1977	7	29	4	0	0
20,082	1977	7	29	4	15	0
20,083	1977	7	29	4	30	0
20,084	1977	7	29	4	45	0
20,085	1977	7	29	5	0	0
20,086	1977	7	29	5	15	0
20,087	1977	7	29	5	30	0
20,088	1977	7	29	5	45	0
20,089	1977	7	29	6	0	0
20,090	1977	7	29	6	15	0
20,091	1977	7	29	6	30	0
20,092	1977	7	29	6	45	0
20,093	1977	7	29	7	0	0
20,094	1977	7	29	7	15	0
20,095	1977	7	29	7	30	0
20,096	1977	7	29	7	45	0
20,097	1977	7	29	8	0	0
20,098	1977	7	29	8	15	0
20,099	1977	7	29	8	30	0
20,100	1977	7	29	8	45	0
20,101	1977	7	29	9	0	0
20,102	1977	7	29	9	15	0
20,103	1977	7	29	9	30	0
20,104	1977	7	29	9	45	0
20,105	1977	7	29	10	0	0
20,106	1977	7	29	10	15	0
20,107	1977	7	29	10	30	0
20,108	1977	7	29	10	45	0
20,109	1977	7	29	11	0	0
20,110	1977	7	29	11	15	0
20,111	1977	7	29	11	30	0
20,112	1977	7	29	11	45	0
20,113	1977	7	29	12	0	0
20,114	1977	7	29	12	15	0
20,115	1977	7	29	12	30	0
20,116	1977	7	29	12	45	0
20,117	1977	7	29	13	0	0
20,118	1977	7	29	13	15	0
20,119	1977	7	29	13	30	0
20,120	1977	7	29	13	45	0
20,121	1977	7	29	14	0	0
20,122	1977	7	29	14	15	0
20,123	1977	7	29	14	30	0
20,124	1977	7	29	14	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
20,125	1977	7	29	15	0	0
20,126	1977	7	29	15	15	0
20,127	1977	7	29	15	30	0
20,128	1977	7	29	15	45	0
20,129	1977	7	29	16	0	0
20,130	1977	7	29	16	15	0
20,131	1977	7	29	16	30	0
20,132	1977	7	29	16	45	0
20,133	1977	7	29	17	0	0.01
20,134	1977	7	29	17	15	0.01
20,135	1977	7	29	17	30	0.01
20,136	1977	7	29	17	45	0.01
20,137	1977	7	29	18	0	0.24
20,138	1977	7	29	18	15	0.24
20,139	1977	7	29	18	30	0.24
20,140	1977	7	29	18	45	0.24
20,141	1977	7	29	19	0	0.01
20,142	1977	7	29	19	15	0.01
20,143	1977	7	29	19	30	0.01
20,144	1977	7	29	19	45	0.01
20,145	1977	7	29	20	0	0
20,146	1977	7	29	20	15	0
20,147	1977	7	29	20	30	0
20,148	1977	7	29	20	45	0
20,149	1977	7	29	21	0	0
20,150	1977	7	29	21	15	0
20,151	1977	7	29	21	30	0
20,152	1977	7	29	21	45	0
20,153	1977	7	29	22	0	0
20,154	1977	7	29	22	15	0
20,155	1977	7	29	22	30	0
20,156	1977	7	29	22	45	0
20,157	1977	7	29	23	0	0
20,158	1977	7	29	23	15	0
20,159	1977	7	29	23	30	0
20,160	1977	7	29	23	45	0
20,161	1977	7	30	0	0	0
20,162	1977	7	30	0	15	0
20,163	1977	7	30	0	30	0
20,164	1977	7	30	0	45	0
20,165	1977	7	30	1	0	0
20,166	1977	7	30	1	15	0
20,167	1977	7	30	1	30	0
20,168	1977	7	30	1	45	0
20,169	1977	7	30	2	0	0
20,170	1977	7	30	2	15	0
20,171	1977	7	30	2	30	0
20,172	1977	7	30	2	45	0
20,173	1977	7	30	3	0	0
20,174	1977	7	30	3	15	0
20,175	1977	7	30	3	30	0
20,176	1977	7	30	3	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
20,177	1977	7	30	4	0	0
20,178	1977	7	30	4	15	0
20,179	1977	7	30	4	30	0
20,180	1977	7	30	4	45	0
20,181	1977	7	30	5	0	0
20,182	1977	7	30	5	15	0
20,183	1977	7	30	5	30	0
20,184	1977	7	30	5	45	0
20,185	1977	7	30	6	0	0
20,186	1977	7	30	6	15	0
20,187	1977	7	30	6	30	0
20,188	1977	7	30	6	45	0
20,189	1977	7	30	7	0	0
20,190	1977	7	30	7	15	0
20,191	1977	7	30	7	30	0
20,192	1977	7	30	7	45	0
20,193	1977	7	30	8	0	0
20,194	1977	7	30	8	15	0
20,195	1977	7	30	8	30	0
20,196	1977	7	30	8	45	0
20,197	1977	7	30	9	0	0
20,198	1977	7	30	9	15	0
20,199	1977	7	30	9	30	0
20,200	1977	7	30	9	45	0
20,201	1977	7	30	10	0	0
20,202	1977	7	30	10	15	0
20,203	1977	7	30	10	30	0
20,204	1977	7	30	10	45	0
20,205	1977	7	30	11	0	0
20,206	1977	7	30	11	15	0
20,207	1977	7	30	11	30	0
20,208	1977	7	30	11	45	0
20,209	1977	7	30	12	0	0
20,210	1977	7	30	12	15	0
20,211	1977	7	30	12	30	0
20,212	1977	7	30	12	45	0
20,213	1977	7	30	13	0	0
20,214	1977	7	30	13	15	0
20,215	1977	7	30	13	30	0
20,216	1977	7	30	13	45	0
20,217	1977	7	30	14	0	0
20,218	1977	7	30	14	15	0
20,219	1977	7	30	14	30	0
20,220	1977	7	30	14	45	0
20,221	1977	7	30	15	0	0
20,222	1977	7	30	15	15	0
20,223	1977	7	30	15	30	0
20,224	1977	7	30	15	45	0
20,225	1977	7	30	16	0	0
20,226	1977	7	30	16	15	0
20,227	1977	7	30	16	30	0
20,228	1977	7	30	16	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
20,229	1977	7	30	17	0	0
20,230	1977	7	30	17	15	0
20,231	1977	7	30	17	30	0
20,232	1977	7	30	17	45	0
20,233	1977	7	30	18	0	0
20,234	1977	7	30	18	15	0
20,235	1977	7	30	18	30	0
20,236	1977	7	30	18	45	0
20,237	1977	7	30	19	0	0
20,238	1977	7	30	19	15	0
20,239	1977	7	30	19	30	0
20,240	1977	7	30	19	45	0
20,241	1977	7	30	20	0	0
20,242	1977	7	30	20	15	0
20,243	1977	7	30	20	30	0
20,244	1977	7	30	20	45	0
20,245	1977	7	30	21	0	0
20,246	1977	7	30	21	15	0
20,247	1977	7	30	21	30	0
20,248	1977	7	30	21	45	0
20,249	1977	7	30	22	0	0
20,250	1977	7	30	22	15	0
20,251	1977	7	30	22	30	0
20,252	1977	7	30	22	45	0
20,253	1977	7	30	23	0	0
20,254	1977	7	30	23	15	0
20,255	1977	7	30	23	30	0
20,256	1977	7	30	23	45	0
20,257	1977	7	31	0	0	0
20,258	1977	7	31	0	15	0
20,259	1977	7	31	0	30	0
20,260	1977	7	31	0	45	0
20,261	1977	7	31	1	0	0
20,262	1977	7	31	1	15	0
20,263	1977	7	31	1	30	0
20,264	1977	7	31	1	45	0
20,265	1977	7	31	2	0	0
20,266	1977	7	31	2	15	0
20,267	1977	7	31	2	30	0
20,268	1977	7	31	2	45	0
20,269	1977	7	31	3	0	0
20,270	1977	7	31	3	15	0
20,271	1977	7	31	3	30	0
20,272	1977	7	31	3	45	0
20,273	1977	7	31	4	0	0
20,274	1977	7	31	4	15	0
20,275	1977	7	31	4	30	0
20,276	1977	7	31	4	45	0
20,277	1977	7	31	5	0	0
20,278	1977	7	31	5	15	0
20,279	1977	7	31	5	30	0
20,280	1977	7	31	5	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
20,281	1977	7	31	6	0	0
20,282	1977	7	31	6	15	0
20,283	1977	7	31	6	30	0
20,284	1977	7	31	6	45	0
20,285	1977	7	31	7	0	0
20,286	1977	7	31	7	15	0
20,287	1977	7	31	7	30	0
20,288	1977	7	31	7	45	0
20,289	1977	7	31	8	0	0
20,290	1977	7	31	8	15	0
20,291	1977	7	31	8	30	0
20,292	1977	7	31	8	45	0
20,293	1977	7	31	9	0	0
20,294	1977	7	31	9	15	0
20,295	1977	7	31	9	30	0
20,296	1977	7	31	9	45	0
20,297	1977	7	31	10	0	0
20,298	1977	7	31	10	15	0
20,299	1977	7	31	10	30	0
20,300	1977	7	31	10	45	0
20,301	1977	7	31	11	0	0
20,302	1977	7	31	11	15	0
20,303	1977	7	31	11	30	0
20,304	1977	7	31	11	45	0
20,305	1977	7	31	12	0	0
20,306	1977	7	31	12	15	0
20,307	1977	7	31	12	30	0
20,308	1977	7	31	12	45	0
20,309	1977	7	31	13	0	0
20,310	1977	7	31	13	15	0
20,311	1977	7	31	13	30	0
20,312	1977	7	31	13	45	0
20,313	1977	7	31	14	0	0
20,314	1977	7	31	14	15	0
20,315	1977	7	31	14	30	0
20,316	1977	7	31	14	45	0
20,317	1977	7	31	15	0	0
20,318	1977	7	31	15	15	0
20,319	1977	7	31	15	30	0
20,320	1977	7	31	15	45	0
20,321	1977	7	31	16	0	0
20,322	1977	7	31	16	15	0
20,323	1977	7	31	16	30	0
20,324	1977	7	31	16	45	0
20,325	1977	7	31	17	0	0
20,326	1977	7	31	17	15	0
20,327	1977	7	31	17	30	0
20,328	1977	7	31	17	45	0
20,329	1977	7	31	18	0	0
20,330	1977	7	31	18	15	0
20,331	1977	7	31	18	30	0
20,332	1977	7	31	18	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
20,333	1977	7	31	19	0	0
20,334	1977	7	31	19	15	0
20,335	1977	7	31	19	30	0
20,336	1977	7	31	19	45	0
20,337	1977	7	31	20	0	0
20,338	1977	7	31	20	15	0
20,339	1977	7	31	20	30	0
20,340	1977	7	31	20	45	0
20,341	1977	7	31	21	0	0
20,342	1977	7	31	21	15	0
20,343	1977	7	31	21	30	0
20,344	1977	7	31	21	45	0
20,345	1977	7	31	22	0	0
20,346	1977	7	31	22	15	0
20,347	1977	7	31	22	30	0
20,348	1977	7	31	22	45	0
20,349	1977	7	31	23	0	0.0425
20,350	1977	7	31	23	15	0.0425
20,351	1977	7	31	23	30	0.0425
20,352	1977	7	31	23	45	0.0425
20,353	1977	8	1	0	0	0
20,354	1977	8	1	0	15	0
20,355	1977	8	1	0	30	0
20,356	1977	8	1	0	45	0
20,357	1977	8	1	1	0	0
20,358	1977	8	1	1	15	0
20,359	1977	8	1	1	30	0
20,360	1977	8	1	1	45	0
20,361	1977	8	1	2	0	0
20,362	1977	8	1	2	15	0
20,363	1977	8	1	2	30	0
20,364	1977	8	1	2	45	0
20,365	1977	8	1	3	0	0
20,366	1977	8	1	3	15	0
20,367	1977	8	1	3	30	0
20,368	1977	8	1	3	45	0
20,369	1977	8	1	4	0	0
20,370	1977	8	1	4	15	0
20,371	1977	8	1	4	30	0
20,372	1977	8	1	4	45	0
20,373	1977	8	1	5	0	0
20,374	1977	8	1	5	15	0
20,375	1977	8	1	5	30	0
20,376	1977	8	1	5	45	0
20,377	1977	8	1	6	0	0
20,378	1977	8	1	6	15	0
20,379	1977	8	1	6	30	0
20,380	1977	8	1	6	45	0
20,381	1977	8	1	7	0	0
20,382	1977	8	1	7	15	0
20,383	1977	8	1	7	30	0
20,384	1977	8	1	7	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
20,385	1977	8	1	8	0	0
20,386	1977	8	1	8	15	0
20,387	1977	8	1	8	30	0
20,388	1977	8	1	8	45	0
20,389	1977	8	1	9	0	0
20,390	1977	8	1	9	15	0
20,391	1977	8	1	9	30	0
20,392	1977	8	1	9	45	0
20,393	1977	8	1	10	0	0
20,394	1977	8	1	10	15	0
20,395	1977	8	1	10	30	0
20,396	1977	8	1	10	45	0
20,397	1977	8	1	11	0	0
20,398	1977	8	1	11	15	0
20,399	1977	8	1	11	30	0
20,400	1977	8	1	11	45	0
20,401	1977	8	1	12	0	0
20,402	1977	8	1	12	15	0
20,403	1977	8	1	12	30	0
20,404	1977	8	1	12	45	0
20,405	1977	8	1	13	0	0
20,406	1977	8	1	13	15	0
20,407	1977	8	1	13	30	0
20,408	1977	8	1	13	45	0
20,409	1977	8	1	14	0	0
20,410	1977	8	1	14	15	0
20,411	1977	8	1	14	30	0
20,412	1977	8	1	14	45	0
20,413	1977	8	1	15	0	0
20,414	1977	8	1	15	15	0
20,415	1977	8	1	15	30	0
20,416	1977	8	1	15	45	0
20,417	1977	8	1	16	0	0
20,418	1977	8	1	16	15	0
20,419	1977	8	1	16	30	0
20,420	1977	8	1	16	45	0
20,421	1977	8	1	17	0	0
20,422	1977	8	1	17	15	0
20,423	1977	8	1	17	30	0
20,424	1977	8	1	17	45	0
20,425	1977	8	1	18	0	0
20,426	1977	8	1	18	15	0
20,427	1977	8	1	18	30	0
20,428	1977	8	1	18	45	0
20,429	1977	8	1	19	0	0
20,430	1977	8	1	19	15	0
20,431	1977	8	1	19	30	0
20,432	1977	8	1	19	45	0
20,433	1977	8	1	20	0	0
20,434	1977	8	1	20	15	0
20,435	1977	8	1	20	30	0
20,436	1977	8	1	20	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
20,437	1977	8	1	21	0	0
20,438	1977	8	1	21	15	0
20,439	1977	8	1	21	30	0
20,440	1977	8	1	21	45	0
20,441	1977	8	1	22	0	0
20,442	1977	8	1	22	15	0
20,443	1977	8	1	22	30	0
20,444	1977	8	1	22	45	0
20,445	1977	8	1	23	0	0
20,446	1977	8	1	23	15	0
20,447	1977	8	1	23	30	0
20,448	1977	8	1	23	45	0
20,449	1977	8	2	0	0	0
20,450	1977	8	2	0	15	0
20,451	1977	8	2	0	30	0
20,452	1977	8	2	0	45	0
20,453	1977	8	2	1	0	0
20,454	1977	8	2	1	15	0
20,455	1977	8	2	1	30	0
20,456	1977	8	2	1	45	0
20,457	1977	8	2	2	0	0
20,458	1977	8	2	2	15	0
20,459	1977	8	2	2	30	0
20,460	1977	8	2	2	45	0
20,461	1977	8	2	3	0	0
20,462	1977	8	2	3	15	0
20,463	1977	8	2	3	30	0
20,464	1977	8	2	3	45	0
20,465	1977	8	2	4	0	0
20,466	1977	8	2	4	15	0
20,467	1977	8	2	4	30	0
20,468	1977	8	2	4	45	0
20,469	1977	8	2	5	0	0
20,470	1977	8	2	5	15	0
20,471	1977	8	2	5	30	0
20,472	1977	8	2	5	45	0
20,473	1977	8	2	6	0	0
20,474	1977	8	2	6	15	0
20,475	1977	8	2	6	30	0
20,476	1977	8	2	6	45	0
20,477	1977	8	2	7	0	0
20,478	1977	8	2	7	15	0
20,479	1977	8	2	7	30	0
20,480	1977	8	2	7	45	0
20,481	1977	8	2	8	0	0
20,482	1977	8	2	8	15	0
20,483	1977	8	2	8	30	0
20,484	1977	8	2	8	45	0
20,485	1977	8	2	9	0	0
20,486	1977	8	2	9	15	0
20,487	1977	8	2	9	30	0
20,488	1977	8	2	9	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
20,489	1977	8	2	10	0	0
20,490	1977	8	2	10	15	0
20,491	1977	8	2	10	30	0
20,492	1977	8	2	10	45	0
20,493	1977	8	2	11	0	0
20,494	1977	8	2	11	15	0
20,495	1977	8	2	11	30	0
20,496	1977	8	2	11	45	0
20,497	1977	8	2	12	0	0
20,498	1977	8	2	12	15	0
20,499	1977	8	2	12	30	0
20,500	1977	8	2	12	45	0
20,501	1977	8	2	13	0	0
20,502	1977	8	2	13	15	0
20,503	1977	8	2	13	30	0
20,504	1977	8	2	13	45	0
20,505	1977	8	2	14	0	0
20,506	1977	8	2	14	15	0
20,507	1977	8	2	14	30	0
20,508	1977	8	2	14	45	0
20,509	1977	8	2	15	0	0
20,510	1977	8	2	15	15	0
20,511	1977	8	2	15	30	0
20,512	1977	8	2	15	45	0
20,513	1977	8	2	16	0	0
20,514	1977	8	2	16	15	0
20,515	1977	8	2	16	30	0
20,516	1977	8	2	16	45	0
20,517	1977	8	2	17	0	0
20,518	1977	8	2	17	15	0
20,519	1977	8	2	17	30	0
20,520	1977	8	2	17	45	0
20,521	1977	8	2	18	0	0
20,522	1977	8	2	18	15	0
20,523	1977	8	2	18	30	0
20,524	1977	8	2	18	45	0
20,525	1977	8	2	19	0	0
20,526	1977	8	2	19	15	0
20,527	1977	8	2	19	30	0
20,528	1977	8	2	19	45	0
20,529	1977	8	2	20	0	0
20,530	1977	8	2	20	15	0
20,531	1977	8	2	20	30	0
20,532	1977	8	2	20	45	0
20,533	1977	8	2	21	0	0
20,534	1977	8	2	21	15	0
20,535	1977	8	2	21	30	0
20,536	1977	8	2	21	45	0
20,537	1977	8	2	22	0	0
20,538	1977	8	2	22	15	0
20,539	1977	8	2	22	30	0
20,540	1977	8	2	22	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
20,541	1977	8	2	23	0	0
20,542	1977	8	2	23	15	0
20,543	1977	8	2	23	30	0
20,544	1977	8	2	23	45	0
20,545	1977	8	3	0	0	0
20,546	1977	8	3	0	15	0
20,547	1977	8	3	0	30	0
20,548	1977	8	3	0	45	0
20,549	1977	8	3	1	0	0
20,550	1977	8	3	1	15	0
20,551	1977	8	3	1	30	0
20,552	1977	8	3	1	45	0
20,553	1977	8	3	2	0	0
20,554	1977	8	3	2	15	0
20,555	1977	8	3	2	30	0
20,556	1977	8	3	2	45	0
20,557	1977	8	3	3	0	0
20,558	1977	8	3	3	15	0
20,559	1977	8	3	3	30	0
20,560	1977	8	3	3	45	0
20,561	1977	8	3	4	0	0
20,562	1977	8	3	4	15	0
20,563	1977	8	3	4	30	0
20,564	1977	8	3	4	45	0
20,565	1977	8	3	5	0	0
20,566	1977	8	3	5	15	0
20,567	1977	8	3	5	30	0
20,568	1977	8	3	5	45	0
20,569	1977	8	3	6	0	0
20,570	1977	8	3	6	15	0
20,571	1977	8	3	6	30	0
20,572	1977	8	3	6	45	0
20,573	1977	8	3	7	0	0
20,574	1977	8	3	7	15	0
20,575	1977	8	3	7	30	0
20,576	1977	8	3	7	45	0
20,577	1977	8	3	8	0	0
20,578	1977	8	3	8	15	0
20,579	1977	8	3	8	30	0
20,580	1977	8	3	8	45	0
20,581	1977	8	3	9	0	0
20,582	1977	8	3	9	15	0
20,583	1977	8	3	9	30	0
20,584	1977	8	3	9	45	0
20,585	1977	8	3	10	0	0
20,586	1977	8	3	10	15	0
20,587	1977	8	3	10	30	0
20,588	1977	8	3	10	45	0
20,589	1977	8	3	11	0	0
20,590	1977	8	3	11	15	0
20,591	1977	8	3	11	30	0
20,592	1977	8	3	11	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
20,593	1977	8	3	12	0	0
20,594	1977	8	3	12	15	0
20,595	1977	8	3	12	30	0
20,596	1977	8	3	12	45	0
20,597	1977	8	3	13	0	0
20,598	1977	8	3	13	15	0
20,599	1977	8	3	13	30	0
20,600	1977	8	3	13	45	0
20,601	1977	8	3	14	0	0
20,602	1977	8	3	14	15	0
20,603	1977	8	3	14	30	0
20,604	1977	8	3	14	45	0
20,605	1977	8	3	15	0	0
20,606	1977	8	3	15	15	0
20,607	1977	8	3	15	30	0
20,608	1977	8	3	15	45	0
20,609	1977	8	3	16	0	0
20,610	1977	8	3	16	15	0
20,611	1977	8	3	16	30	0
20,612	1977	8	3	16	45	0
20,613	1977	8	3	17	0	0
20,614	1977	8	3	17	15	0
20,615	1977	8	3	17	30	0
20,616	1977	8	3	17	45	0
20,617	1977	8	3	18	0	0
20,618	1977	8	3	18	15	0
20,619	1977	8	3	18	30	0
20,620	1977	8	3	18	45	0
20,621	1977	8	3	19	0	0
20,622	1977	8	3	19	15	0
20,623	1977	8	3	19	30	0
20,624	1977	8	3	19	45	0
20,625	1977	8	3	20	0	0
20,626	1977	8	3	20	15	0
20,627	1977	8	3	20	30	0
20,628	1977	8	3	20	45	0
20,629	1977	8	3	21	0	0
20,630	1977	8	3	21	15	0
20,631	1977	8	3	21	30	0
20,632	1977	8	3	21	45	0
20,633	1977	8	3	22	0	0
20,634	1977	8	3	22	15	0
20,635	1977	8	3	22	30	0
20,636	1977	8	3	22	45	0
20,637	1977	8	3	23	0	0
20,638	1977	8	3	23	15	0
20,639	1977	8	3	23	30	0
20,640	1977	8	3	23	45	0
20,641	1977	8	4	0	0	0
20,642	1977	8	4	0	15	0
20,643	1977	8	4	0	30	0
20,644	1977	8	4	0	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
20,645	1977	8	4	1	0	0
20,646	1977	8	4	1	15	0
20,647	1977	8	4	1	30	0
20,648	1977	8	4	1	45	0
20,649	1977	8	4	2	0	0
20,650	1977	8	4	2	15	0
20,651	1977	8	4	2	30	0
20,652	1977	8	4	2	45	0
20,653	1977	8	4	3	0	0
20,654	1977	8	4	3	15	0
20,655	1977	8	4	3	30	0
20,656	1977	8	4	3	45	0
20,657	1977	8	4	4	0	0
20,658	1977	8	4	4	15	0
20,659	1977	8	4	4	30	0
20,660	1977	8	4	4	45	0
20,661	1977	8	4	5	0	0
20,662	1977	8	4	5	15	0
20,663	1977	8	4	5	30	0
20,664	1977	8	4	5	45	0
20,665	1977	8	4	6	0	0
20,666	1977	8	4	6	15	0
20,667	1977	8	4	6	30	0
20,668	1977	8	4	6	45	0
20,669	1977	8	4	7	0	0
20,670	1977	8	4	7	15	0
20,671	1977	8	4	7	30	0
20,672	1977	8	4	7	45	0
20,673	1977	8	4	8	0	0
20,674	1977	8	4	8	15	0
20,675	1977	8	4	8	30	0
20,676	1977	8	4	8	45	0
20,677	1977	8	4	9	0	0
20,678	1977	8	4	9	15	0
20,679	1977	8	4	9	30	0
20,680	1977	8	4	9	45	0
20,681	1977	8	4	10	0	0
20,682	1977	8	4	10	15	0
20,683	1977	8	4	10	30	0
20,684	1977	8	4	10	45	0
20,685	1977	8	4	11	0	0
20,686	1977	8	4	11	15	0
20,687	1977	8	4	11	30	0
20,688	1977	8	4	11	45	0
20,689	1977	8	4	12	0	0
20,690	1977	8	4	12	15	0
20,691	1977	8	4	12	30	0
20,692	1977	8	4	12	45	0
20,693	1977	8	4	13	0	0
20,694	1977	8	4	13	15	0
20,695	1977	8	4	13	30	0
20,696	1977	8	4	13	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
20,697	1977	8	4	14	0	0
20,698	1977	8	4	14	15	0
20,699	1977	8	4	14	30	0
20,700	1977	8	4	14	45	0
20,701	1977	8	4	15	0	0
20,702	1977	8	4	15	15	0
20,703	1977	8	4	15	30	0
20,704	1977	8	4	15	45	0
20,705	1977	8	4	16	0	0
20,706	1977	8	4	16	15	0
20,707	1977	8	4	16	30	0
20,708	1977	8	4	16	45	0
20,709	1977	8	4	17	0	0
20,710	1977	8	4	17	15	0
20,711	1977	8	4	17	30	0
20,712	1977	8	4	17	45	0
20,713	1977	8	4	18	0	0
20,714	1977	8	4	18	15	0
20,715	1977	8	4	18	30	0
20,716	1977	8	4	18	45	0
20,717	1977	8	4	19	0	0
20,718	1977	8	4	19	15	0
20,719	1977	8	4	19	30	0
20,720	1977	8	4	19	45	0
20,721	1977	8	4	20	0	0
20,722	1977	8	4	20	15	0
20,723	1977	8	4	20	30	0
20,724	1977	8	4	20	45	0
20,725	1977	8	4	21	0	0
20,726	1977	8	4	21	15	0
20,727	1977	8	4	21	30	0
20,728	1977	8	4	21	45	0
20,729	1977	8	4	22	0	0
20,730	1977	8	4	22	15	0
20,731	1977	8	4	22	30	0
20,732	1977	8	4	22	45	0
20,733	1977	8	4	23	0	0
20,734	1977	8	4	23	15	0
20,735	1977	8	4	23	30	0
20,736	1977	8	4	23	45	0
20,737	1977	8	5	0	0	0
20,738	1977	8	5	0	15	0
20,739	1977	8	5	0	30	0
20,740	1977	8	5	0	45	0
20,741	1977	8	5	1	0	0
20,742	1977	8	5	1	15	0
20,743	1977	8	5	1	30	0
20,744	1977	8	5	1	45	0
20,745	1977	8	5	2	0	0
20,746	1977	8	5	2	15	0
20,747	1977	8	5	2	30	0
20,748	1977	8	5	2	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
20,749	1977	8	5	3	0	0
20,750	1977	8	5	3	15	0
20,751	1977	8	5	3	30	0
20,752	1977	8	5	3	45	0
20,753	1977	8	5	4	0	0
20,754	1977	8	5	4	15	0
20,755	1977	8	5	4	30	0
20,756	1977	8	5	4	45	0
20,757	1977	8	5	5	0	0
20,758	1977	8	5	5	15	0
20,759	1977	8	5	5	30	0
20,760	1977	8	5	5	45	0
20,761	1977	8	5	6	0	0
20,762	1977	8	5	6	15	0
20,763	1977	8	5	6	30	0
20,764	1977	8	5	6	45	0
20,765	1977	8	5	7	0	0.1725
20,766	1977	8	5	7	15	0.1725
20,767	1977	8	5	7	30	0.1725
20,768	1977	8	5	7	45	0.1725
20,769	1977	8	5	8	0	0.0025
20,770	1977	8	5	8	15	0.0025
20,771	1977	8	5	8	30	0.0025
20,772	1977	8	5	8	45	0.0025
20,773	1977	8	5	9	0	0
20,774	1977	8	5	9	15	0
20,775	1977	8	5	9	30	0
20,776	1977	8	5	9	45	0
20,777	1977	8	5	10	0	0.0075
20,778	1977	8	5	10	15	0.0075
20,779	1977	8	5	10	30	0.0075
20,780	1977	8	5	10	45	0.0075
20,781	1977	8	5	11	0	0
20,782	1977	8	5	11	15	0
20,783	1977	8	5	11	30	0
20,784	1977	8	5	11	45	0
20,785	1977	8	5	12	0	0
20,786	1977	8	5	12	15	0
20,787	1977	8	5	12	30	0
20,788	1977	8	5	12	45	0
20,789	1977	8	5	13	0	0
20,790	1977	8	5	13	15	0
20,791	1977	8	5	13	30	0
20,792	1977	8	5	13	45	0
20,793	1977	8	5	14	0	0
20,794	1977	8	5	14	15	0
20,795	1977	8	5	14	30	0
20,796	1977	8	5	14	45	0
20,797	1977	8	5	15	0	0
20,798	1977	8	5	15	15	0
20,799	1977	8	5	15	30	0
20,800	1977	8	5	15	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
20,801	1977	8	5	16	0	0
20,802	1977	8	5	16	15	0
20,803	1977	8	5	16	30	0
20,804	1977	8	5	16	45	0
20,805	1977	8	5	17	0	0
20,806	1977	8	5	17	15	0
20,807	1977	8	5	17	30	0
20,808	1977	8	5	17	45	0
20,809	1977	8	5	18	0	0
20,810	1977	8	5	18	15	0
20,811	1977	8	5	18	30	0
20,812	1977	8	5	18	45	0
20,813	1977	8	5	19	0	0
20,814	1977	8	5	19	15	0
20,815	1977	8	5	19	30	0
20,816	1977	8	5	19	45	0
20,817	1977	8	5	20	0	0
20,818	1977	8	5	20	15	0
20,819	1977	8	5	20	30	0
20,820	1977	8	5	20	45	0
20,821	1977	8	5	21	0	0
20,822	1977	8	5	21	15	0
20,823	1977	8	5	21	30	0
20,824	1977	8	5	21	45	0
20,825	1977	8	5	22	0	0
20,826	1977	8	5	22	15	0
20,827	1977	8	5	22	30	0
20,828	1977	8	5	22	45	0
20,829	1977	8	5	23	0	0
20,830	1977	8	5	23	15	0
20,831	1977	8	5	23	30	0
20,832	1977	8	5	23	45	0
20,833	1977	8	6	0	0	0
20,834	1977	8	6	0	15	0
20,835	1977	8	6	0	30	0
20,836	1977	8	6	0	45	0
20,837	1977	8	6	1	0	0
20,838	1977	8	6	1	15	0
20,839	1977	8	6	1	30	0
20,840	1977	8	6	1	45	0
20,841	1977	8	6	2	0	0
20,842	1977	8	6	2	15	0
20,843	1977	8	6	2	30	0
20,844	1977	8	6	2	45	0
20,845	1977	8	6	3	0	0.0075
20,846	1977	8	6	3	15	0.0075
20,847	1977	8	6	3	30	0.0075
20,848	1977	8	6	3	45	0.0075
20,849	1977	8	6	4	0	0.0025
20,850	1977	8	6	4	15	0.0025
20,851	1977	8	6	4	30	0.0025
20,852	1977	8	6	4	45	0.0025

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
20,853	1977	8	6	5	0	0.005
20,854	1977	8	6	5	15	0.005
20,855	1977	8	6	5	30	0.005
20,856	1977	8	6	5	45	0.005
20,857	1977	8	6	6	0	0.0025
20,858	1977	8	6	6	15	0.0025
20,859	1977	8	6	6	30	0.0025
20,860	1977	8	6	6	45	0.0025
20,861	1977	8	6	7	0	0.01
20,862	1977	8	6	7	15	0.01
20,863	1977	8	6	7	30	0.01
20,864	1977	8	6	7	45	0.01
20,865	1977	8	6	8	0	0
20,866	1977	8	6	8	15	0
20,867	1977	8	6	8	30	0
20,868	1977	8	6	8	45	0
20,869	1977	8	6	9	0	0.0225
20,870	1977	8	6	9	15	0.0225
20,871	1977	8	6	9	30	0.0225
20,872	1977	8	6	9	45	0.0225
20,873	1977	8	6	10	0	0.0025
20,874	1977	8	6	10	15	0.0025
20,875	1977	8	6	10	30	0.0025
20,876	1977	8	6	10	45	0.0025
20,877	1977	8	6	11	0	0.0075
20,878	1977	8	6	11	15	0.0075
20,879	1977	8	6	11	30	0.0075
20,880	1977	8	6	11	45	0.0075
20,881	1977	8	6	12	0	0.035
20,882	1977	8	6	12	15	0.035
20,883	1977	8	6	12	30	0.035
20,884	1977	8	6	12	45	0.035
20,885	1977	8	6	13	0	0
20,886	1977	8	6	13	15	0
20,887	1977	8	6	13	30	0
20,888	1977	8	6	13	45	0
20,889	1977	8	6	14	0	0
20,890	1977	8	6	14	15	0
20,891	1977	8	6	14	30	0
20,892	1977	8	6	14	45	0
20,893	1977	8	6	15	0	0
20,894	1977	8	6	15	15	0
20,895	1977	8	6	15	30	0
20,896	1977	8	6	15	45	0
20,897	1977	8	6	16	0	0
20,898	1977	8	6	16	15	0
20,899	1977	8	6	16	30	0
20,900	1977	8	6	16	45	0
20,901	1977	8	6	17	0	0
20,902	1977	8	6	17	15	0
20,903	1977	8	6	17	30	0
20,904	1977	8	6	17	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
20,905	1977	8	6	18	0	0
20,906	1977	8	6	18	15	0
20,907	1977	8	6	18	30	0
20,908	1977	8	6	18	45	0
20,909	1977	8	6	19	0	0
20,910	1977	8	6	19	15	0
20,911	1977	8	6	19	30	0
20,912	1977	8	6	19	45	0
20,913	1977	8	6	20	0	0
20,914	1977	8	6	20	15	0
20,915	1977	8	6	20	30	0
20,916	1977	8	6	20	45	0
20,917	1977	8	6	21	0	0
20,918	1977	8	6	21	15	0
20,919	1977	8	6	21	30	0
20,920	1977	8	6	21	45	0
20,921	1977	8	6	22	0	0.005
20,922	1977	8	6	22	15	0.005
20,923	1977	8	6	22	30	0.005
20,924	1977	8	6	22	45	0.005
20,925	1977	8	6	23	0	0.005
20,926	1977	8	6	23	15	0.005
20,927	1977	8	6	23	30	0.005
20,928	1977	8	6	23	45	0.005
20,929	1977	8	7	0	0	0.07
20,930	1977	8	7	0	15	0.07
20,931	1977	8	7	0	30	0.07
20,932	1977	8	7	0	45	0.07
20,933	1977	8	7	1	0	0.0175
20,934	1977	8	7	1	15	0.0175
20,935	1977	8	7	1	30	0.0175
20,936	1977	8	7	1	45	0.0175
20,937	1977	8	7	2	0	0.0025
20,938	1977	8	7	2	15	0.0025
20,939	1977	8	7	2	30	0.0025
20,940	1977	8	7	2	45	0.0025
20,941	1977	8	7	3	0	0
20,942	1977	8	7	3	15	0
20,943	1977	8	7	3	30	0
20,944	1977	8	7	3	45	0
20,945	1977	8	7	4	0	0.0025
20,946	1977	8	7	4	15	0.0025
20,947	1977	8	7	4	30	0.0025
20,948	1977	8	7	4	45	0.0025
20,949	1977	8	7	5	0	0
20,950	1977	8	7	5	15	0
20,951	1977	8	7	5	30	0
20,952	1977	8	7	5	45	0
20,953	1977	8	7	6	0	0
20,954	1977	8	7	6	15	0
20,955	1977	8	7	6	30	0
20,956	1977	8	7	6	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
20,957	1977	8	7	7	0	0
20,958	1977	8	7	7	15	0
20,959	1977	8	7	7	30	0
20,960	1977	8	7	7	45	0
20,961	1977	8	7	8	0	0
20,962	1977	8	7	8	15	0
20,963	1977	8	7	8	30	0
20,964	1977	8	7	8	45	0
20,965	1977	8	7	9	0	0
20,966	1977	8	7	9	15	0
20,967	1977	8	7	9	30	0
20,968	1977	8	7	9	45	0
20,969	1977	8	7	10	0	0
20,970	1977	8	7	10	15	0
20,971	1977	8	7	10	30	0
20,972	1977	8	7	10	45	0
20,973	1977	8	7	11	0	0
20,974	1977	8	7	11	15	0
20,975	1977	8	7	11	30	0
20,976	1977	8	7	11	45	0
20,977	1977	8	7	12	0	0
20,978	1977	8	7	12	15	0
20,979	1977	8	7	12	30	0
20,980	1977	8	7	12	45	0
20,981	1977	8	7	13	0	0
20,982	1977	8	7	13	15	0
20,983	1977	8	7	13	30	0
20,984	1977	8	7	13	45	0
20,985	1977	8	7	14	0	0.005
20,986	1977	8	7	14	15	0.005
20,987	1977	8	7	14	30	0.005
20,988	1977	8	7	14	45	0.005
20,989	1977	8	7	15	0	0
20,990	1977	8	7	15	15	0
20,991	1977	8	7	15	30	0
20,992	1977	8	7	15	45	0
20,993	1977	8	7	16	0	0
20,994	1977	8	7	16	15	0
20,995	1977	8	7	16	30	0
20,996	1977	8	7	16	45	0
20,997	1977	8	7	17	0	0
20,998	1977	8	7	17	15	0
20,999	1977	8	7	17	30	0
21,000	1977	8	7	17	45	0
21,001	1977	8	7	18	0	0
21,002	1977	8	7	18	15	0
21,003	1977	8	7	18	30	0
21,004	1977	8	7	18	45	0
21,005	1977	8	7	19	0	0
21,006	1977	8	7	19	15	0
21,007	1977	8	7	19	30	0
21,008	1977	8	7	19	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
21,009	1977	8	7	20	0	0
21,010	1977	8	7	20	15	0
21,011	1977	8	7	20	30	0
21,012	1977	8	7	20	45	0
21,013	1977	8	7	21	0	0
21,014	1977	8	7	21	15	0
21,015	1977	8	7	21	30	0
21,016	1977	8	7	21	45	0
21,017	1977	8	7	22	0	0
21,018	1977	8	7	22	15	0
21,019	1977	8	7	22	30	0
21,020	1977	8	7	22	45	0
21,021	1977	8	7	23	0	0
21,022	1977	8	7	23	15	0
21,023	1977	8	7	23	30	0
21,024	1977	8	7	23	45	0
21,025	1977	8	8	0	0	0
21,026	1977	8	8	0	15	0
21,027	1977	8	8	0	30	0
21,028	1977	8	8	0	45	0
21,029	1977	8	8	1	0	0
21,030	1977	8	8	1	15	0
21,031	1977	8	8	1	30	0
21,032	1977	8	8	1	45	0
21,033	1977	8	8	2	0	0
21,034	1977	8	8	2	15	0
21,035	1977	8	8	2	30	0
21,036	1977	8	8	2	45	0
21,037	1977	8	8	3	0	0
21,038	1977	8	8	3	15	0
21,039	1977	8	8	3	30	0
21,040	1977	8	8	3	45	0
21,041	1977	8	8	4	0	0
21,042	1977	8	8	4	15	0
21,043	1977	8	8	4	30	0
21,044	1977	8	8	4	45	0
21,045	1977	8	8	5	0	0
21,046	1977	8	8	5	15	0
21,047	1977	8	8	5	30	0
21,048	1977	8	8	5	45	0
21,049	1977	8	8	6	0	0
21,050	1977	8	8	6	15	0
21,051	1977	8	8	6	30	0
21,052	1977	8	8	6	45	0
21,053	1977	8	8	7	0	0
21,054	1977	8	8	7	15	0
21,055	1977	8	8	7	30	0
21,056	1977	8	8	7	45	0
21,057	1977	8	8	8	0	0
21,058	1977	8	8	8	15	0
21,059	1977	8	8	8	30	0
21,060	1977	8	8	8	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
21,061	1977	8	8	9	0	0
21,062	1977	8	8	9	15	0
21,063	1977	8	8	9	30	0
21,064	1977	8	8	9	45	0
21,065	1977	8	8	10	0	0
21,066	1977	8	8	10	15	0
21,067	1977	8	8	10	30	0
21,068	1977	8	8	10	45	0
21,069	1977	8	8	11	0	0
21,070	1977	8	8	11	15	0
21,071	1977	8	8	11	30	0
21,072	1977	8	8	11	45	0
21,073	1977	8	8	12	0	0
21,074	1977	8	8	12	15	0
21,075	1977	8	8	12	30	0
21,076	1977	8	8	12	45	0
21,077	1977	8	8	13	0	0.045
21,078	1977	8	8	13	15	0.045
21,079	1977	8	8	13	30	0.045
21,080	1977	8	8	13	45	0.045
21,081	1977	8	8	14	0	0.005
21,082	1977	8	8	14	15	0.005
21,083	1977	8	8	14	30	0.005
21,084	1977	8	8	14	45	0.005
21,085	1977	8	8	15	0	0
21,086	1977	8	8	15	15	0
21,087	1977	8	8	15	30	0
21,088	1977	8	8	15	45	0
21,089	1977	8	8	16	0	0
21,090	1977	8	8	16	15	0
21,091	1977	8	8	16	30	0
21,092	1977	8	8	16	45	0
21,093	1977	8	8	17	0	0
21,094	1977	8	8	17	15	0
21,095	1977	8	8	17	30	0
21,096	1977	8	8	17	45	0
21,097	1977	8	8	18	0	0
21,098	1977	8	8	18	15	0
21,099	1977	8	8	18	30	0
21,100	1977	8	8	18	45	0
21,101	1977	8	8	19	0	0
21,102	1977	8	8	19	15	0
21,103	1977	8	8	19	30	0
21,104	1977	8	8	19	45	0
21,105	1977	8	8	20	0	0
21,106	1977	8	8	20	15	0
21,107	1977	8	8	20	30	0
21,108	1977	8	8	20	45	0
21,109	1977	8	8	21	0	0
21,110	1977	8	8	21	15	0
21,111	1977	8	8	21	30	0
21,112	1977	8	8	21	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
21,113	1977	8	8	22	0	0
21,114	1977	8	8	22	15	0
21,115	1977	8	8	22	30	0
21,116	1977	8	8	22	45	0
21,117	1977	8	8	23	0	0
21,118	1977	8	8	23	15	0
21,119	1977	8	8	23	30	0
21,120	1977	8	8	23	45	0
21,121	1977	8	9	0	0	0
21,122	1977	8	9	0	15	0
21,123	1977	8	9	0	30	0
21,124	1977	8	9	0	45	0
21,125	1977	8	9	1	0	0
21,126	1977	8	9	1	15	0
21,127	1977	8	9	1	30	0
21,128	1977	8	9	1	45	0
21,129	1977	8	9	2	0	0
21,130	1977	8	9	2	15	0
21,131	1977	8	9	2	30	0
21,132	1977	8	9	2	45	0
21,133	1977	8	9	3	0	0
21,134	1977	8	9	3	15	0
21,135	1977	8	9	3	30	0
21,136	1977	8	9	3	45	0
21,137	1977	8	9	4	0	0
21,138	1977	8	9	4	15	0
21,139	1977	8	9	4	30	0
21,140	1977	8	9	4	45	0
21,141	1977	8	9	5	0	0
21,142	1977	8	9	5	15	0
21,143	1977	8	9	5	30	0
21,144	1977	8	9	5	45	0
21,145	1977	8	9	6	0	0
21,146	1977	8	9	6	15	0
21,147	1977	8	9	6	30	0
21,148	1977	8	9	6	45	0
21,149	1977	8	9	7	0	0
21,150	1977	8	9	7	15	0
21,151	1977	8	9	7	30	0
21,152	1977	8	9	7	45	0
21,153	1977	8	9	8	0	0
21,154	1977	8	9	8	15	0
21,155	1977	8	9	8	30	0
21,156	1977	8	9	8	45	0
21,157	1977	8	9	9	0	0
21,158	1977	8	9	9	15	0
21,159	1977	8	9	9	30	0
21,160	1977	8	9	9	45	0
21,161	1977	8	9	10	0	0
21,162	1977	8	9	10	15	0
21,163	1977	8	9	10	30	0
21,164	1977	8	9	10	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
21,165	1977	8	9	11	0	0
21,166	1977	8	9	11	15	0
21,167	1977	8	9	11	30	0
21,168	1977	8	9	11	45	0
21,169	1977	8	9	12	0	0
21,170	1977	8	9	12	15	0
21,171	1977	8	9	12	30	0
21,172	1977	8	9	12	45	0
21,173	1977	8	9	13	0	0
21,174	1977	8	9	13	15	0
21,175	1977	8	9	13	30	0
21,176	1977	8	9	13	45	0
21,177	1977	8	9	14	0	0
21,178	1977	8	9	14	15	0
21,179	1977	8	9	14	30	0
21,180	1977	8	9	14	45	0
21,181	1977	8	9	15	0	0
21,182	1977	8	9	15	15	0
21,183	1977	8	9	15	30	0
21,184	1977	8	9	15	45	0
21,185	1977	8	9	16	0	0
21,186	1977	8	9	16	15	0
21,187	1977	8	9	16	30	0
21,188	1977	8	9	16	45	0
21,189	1977	8	9	17	0	0
21,190	1977	8	9	17	15	0
21,191	1977	8	9	17	30	0
21,192	1977	8	9	17	45	0
21,193	1977	8	9	18	0	0
21,194	1977	8	9	18	15	0
21,195	1977	8	9	18	30	0
21,196	1977	8	9	18	45	0
21,197	1977	8	9	19	0	0
21,198	1977	8	9	19	15	0
21,199	1977	8	9	19	30	0
21,200	1977	8	9	19	45	0
21,201	1977	8	9	20	0	0
21,202	1977	8	9	20	15	0
21,203	1977	8	9	20	30	0
21,204	1977	8	9	20	45	0
21,205	1977	8	9	21	0	0
21,206	1977	8	9	21	15	0
21,207	1977	8	9	21	30	0
21,208	1977	8	9	21	45	0
21,209	1977	8	9	22	0	0
21,210	1977	8	9	22	15	0
21,211	1977	8	9	22	30	0
21,212	1977	8	9	22	45	0
21,213	1977	8	9	23	0	0
21,214	1977	8	9	23	15	0
21,215	1977	8	9	23	30	0
21,216	1977	8	9	23	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
21,217	1977	8	10	0	0	0
21,218	1977	8	10	0	15	0
21,219	1977	8	10	0	30	0
21,220	1977	8	10	0	45	0
21,221	1977	8	10	1	0	0
21,222	1977	8	10	1	15	0
21,223	1977	8	10	1	30	0
21,224	1977	8	10	1	45	0
21,225	1977	8	10	2	0	0.0025
21,226	1977	8	10	2	15	0.0025
21,227	1977	8	10	2	30	0.0025
21,228	1977	8	10	2	45	0.0025
21,229	1977	8	10	3	0	0
21,230	1977	8	10	3	15	0
21,231	1977	8	10	3	30	0
21,232	1977	8	10	3	45	0
21,233	1977	8	10	4	0	0
21,234	1977	8	10	4	15	0
21,235	1977	8	10	4	30	0
21,236	1977	8	10	4	45	0
21,237	1977	8	10	5	0	0
21,238	1977	8	10	5	15	0
21,239	1977	8	10	5	30	0
21,240	1977	8	10	5	45	0
21,241	1977	8	10	6	0	0
21,242	1977	8	10	6	15	0
21,243	1977	8	10	6	30	0
21,244	1977	8	10	6	45	0
21,245	1977	8	10	7	0	0
21,246	1977	8	10	7	15	0
21,247	1977	8	10	7	30	0
21,248	1977	8	10	7	45	0
21,249	1977	8	10	8	0	0
21,250	1977	8	10	8	15	0
21,251	1977	8	10	8	30	0
21,252	1977	8	10	8	45	0
21,253	1977	8	10	9	0	0
21,254	1977	8	10	9	15	0
21,255	1977	8	10	9	30	0
21,256	1977	8	10	9	45	0
21,257	1977	8	10	10	0	0.03
21,258	1977	8	10	10	15	0.03
21,259	1977	8	10	10	30	0.03
21,260	1977	8	10	10	45	0.03
21,261	1977	8	10	11	0	0
21,262	1977	8	10	11	15	0
21,263	1977	8	10	11	30	0
21,264	1977	8	10	11	45	0
21,265	1977	8	10	12	0	0.0175
21,266	1977	8	10	12	15	0.0175
21,267	1977	8	10	12	30	0.0175
21,268	1977	8	10	12	45	0.0175

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
21,269	1977	8	10	13	0	0.0025
21,270	1977	8	10	13	15	0.0025
21,271	1977	8	10	13	30	0.0025
21,272	1977	8	10	13	45	0.0025
21,273	1977	8	10	14	0	0
21,274	1977	8	10	14	15	0
21,275	1977	8	10	14	30	0
21,276	1977	8	10	14	45	0
21,277	1977	8	10	15	0	0
21,278	1977	8	10	15	15	0
21,279	1977	8	10	15	30	0
21,280	1977	8	10	15	45	0
21,281	1977	8	10	16	0	0
21,282	1977	8	10	16	15	0
21,283	1977	8	10	16	30	0
21,284	1977	8	10	16	45	0
21,285	1977	8	10	17	0	0
21,286	1977	8	10	17	15	0
21,287	1977	8	10	17	30	0
21,288	1977	8	10	17	45	0
21,289	1977	8	10	18	0	0
21,290	1977	8	10	18	15	0
21,291	1977	8	10	18	30	0
21,292	1977	8	10	18	45	0
21,293	1977	8	10	19	0	0
21,294	1977	8	10	19	15	0
21,295	1977	8	10	19	30	0
21,296	1977	8	10	19	45	0
21,297	1977	8	10	20	0	0
21,298	1977	8	10	20	15	0
21,299	1977	8	10	20	30	0
21,300	1977	8	10	20	45	0
21,301	1977	8	10	21	0	0
21,302	1977	8	10	21	15	0
21,303	1977	8	10	21	30	0
21,304	1977	8	10	21	45	0
21,305	1977	8	10	22	0	0
21,306	1977	8	10	22	15	0
21,307	1977	8	10	22	30	0
21,308	1977	8	10	22	45	0
21,309	1977	8	10	23	0	0
21,310	1977	8	10	23	15	0
21,311	1977	8	10	23	30	0
21,312	1977	8	10	23	45	0
21,313	1977	8	11	0	0	0
21,314	1977	8	11	0	15	0
21,315	1977	8	11	0	30	0
21,316	1977	8	11	0	45	0
21,317	1977	8	11	1	0	0
21,318	1977	8	11	1	15	0
21,319	1977	8	11	1	30	0
21,320	1977	8	11	1	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
21,321	1977	8	11	2	0	0
21,322	1977	8	11	2	15	0
21,323	1977	8	11	2	30	0
21,324	1977	8	11	2	45	0
21,325	1977	8	11	3	0	0
21,326	1977	8	11	3	15	0
21,327	1977	8	11	3	30	0
21,328	1977	8	11	3	45	0
21,329	1977	8	11	4	0	0
21,330	1977	8	11	4	15	0
21,331	1977	8	11	4	30	0
21,332	1977	8	11	4	45	0
21,333	1977	8	11	5	0	0
21,334	1977	8	11	5	15	0
21,335	1977	8	11	5	30	0
21,336	1977	8	11	5	45	0
21,337	1977	8	11	6	0	0
21,338	1977	8	11	6	15	0
21,339	1977	8	11	6	30	0
21,340	1977	8	11	6	45	0
21,341	1977	8	11	7	0	0
21,342	1977	8	11	7	15	0
21,343	1977	8	11	7	30	0
21,344	1977	8	11	7	45	0
21,345	1977	8	11	8	0	0
21,346	1977	8	11	8	15	0
21,347	1977	8	11	8	30	0
21,348	1977	8	11	8	45	0
21,349	1977	8	11	9	0	0
21,350	1977	8	11	9	15	0
21,351	1977	8	11	9	30	0
21,352	1977	8	11	9	45	0
21,353	1977	8	11	10	0	0
21,354	1977	8	11	10	15	0
21,355	1977	8	11	10	30	0
21,356	1977	8	11	10	45	0
21,357	1977	8	11	11	0	0
21,358	1977	8	11	11	15	0
21,359	1977	8	11	11	30	0
21,360	1977	8	11	11	45	0
21,361	1977	8	11	12	0	0
21,362	1977	8	11	12	15	0
21,363	1977	8	11	12	30	0
21,364	1977	8	11	12	45	0
21,365	1977	8	11	13	0	0
21,366	1977	8	11	13	15	0
21,367	1977	8	11	13	30	0
21,368	1977	8	11	13	45	0
21,369	1977	8	11	14	0	0
21,370	1977	8	11	14	15	0
21,371	1977	8	11	14	30	0
21,372	1977	8	11	14	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
21,373	1977	8	11	15	0	0
21,374	1977	8	11	15	15	0
21,375	1977	8	11	15	30	0
21,376	1977	8	11	15	45	0
21,377	1977	8	11	16	0	0
21,378	1977	8	11	16	15	0
21,379	1977	8	11	16	30	0
21,380	1977	8	11	16	45	0
21,381	1977	8	11	17	0	0
21,382	1977	8	11	17	15	0
21,383	1977	8	11	17	30	0
21,384	1977	8	11	17	45	0
21,385	1977	8	11	18	0	0
21,386	1977	8	11	18	15	0
21,387	1977	8	11	18	30	0
21,388	1977	8	11	18	45	0
21,389	1977	8	11	19	0	0
21,390	1977	8	11	19	15	0
21,391	1977	8	11	19	30	0
21,392	1977	8	11	19	45	0
21,393	1977	8	11	20	0	0
21,394	1977	8	11	20	15	0
21,395	1977	8	11	20	30	0
21,396	1977	8	11	20	45	0
21,397	1977	8	11	21	0	0.065
21,398	1977	8	11	21	15	0.065
21,399	1977	8	11	21	30	0.065
21,400	1977	8	11	21	45	0.065
21,401	1977	8	11	22	0	0.02
21,402	1977	8	11	22	15	0.02
21,403	1977	8	11	22	30	0.02
21,404	1977	8	11	22	45	0.02
21,405	1977	8	11	23	0	0.0025
21,406	1977	8	11	23	15	0.0025
21,407	1977	8	11	23	30	0.0025
21,408	1977	8	11	23	45	0.0025
21,409	1977	8	12	0	0	0.0025
21,410	1977	8	12	0	15	0.0025
21,411	1977	8	12	0	30	0.0025
21,412	1977	8	12	0	45	0.0025
21,413	1977	8	12	1	0	0.0025
21,414	1977	8	12	1	15	0.0025
21,415	1977	8	12	1	30	0.0025
21,416	1977	8	12	1	45	0.0025
21,417	1977	8	12	2	0	0.0275
21,418	1977	8	12	2	15	0.0275
21,419	1977	8	12	2	30	0.0275
21,420	1977	8	12	2	45	0.0275
21,421	1977	8	12	3	0	0.055
21,422	1977	8	12	3	15	0.055
21,423	1977	8	12	3	30	0.055
21,424	1977	8	12	3	45	0.055

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
21,425	1977	8	12	4	0	0.005
21,426	1977	8	12	4	15	0.005
21,427	1977	8	12	4	30	0.005
21,428	1977	8	12	4	45	0.005
21,429	1977	8	12	5	0	0
21,430	1977	8	12	5	15	0
21,431	1977	8	12	5	30	0
21,432	1977	8	12	5	45	0
21,433	1977	8	12	6	0	0
21,434	1977	8	12	6	15	0
21,435	1977	8	12	6	30	0
21,436	1977	8	12	6	45	0
21,437	1977	8	12	7	0	0
21,438	1977	8	12	7	15	0
21,439	1977	8	12	7	30	0
21,440	1977	8	12	7	45	0
21,441	1977	8	12	8	0	0
21,442	1977	8	12	8	15	0
21,443	1977	8	12	8	30	0
21,444	1977	8	12	8	45	0
21,445	1977	8	12	9	0	0
21,446	1977	8	12	9	15	0
21,447	1977	8	12	9	30	0
21,448	1977	8	12	9	45	0
21,449	1977	8	12	10	0	0
21,450	1977	8	12	10	15	0
21,451	1977	8	12	10	30	0
21,452	1977	8	12	10	45	0
21,453	1977	8	12	11	0	0
21,454	1977	8	12	11	15	0
21,455	1977	8	12	11	30	0
21,456	1977	8	12	11	45	0
21,457	1977	8	12	12	0	0
21,458	1977	8	12	12	15	0
21,459	1977	8	12	12	30	0
21,460	1977	8	12	12	45	0
21,461	1977	8	12	13	0	0
21,462	1977	8	12	13	15	0
21,463	1977	8	12	13	30	0
21,464	1977	8	12	13	45	0
21,465	1977	8	12	14	0	0
21,466	1977	8	12	14	15	0
21,467	1977	8	12	14	30	0
21,468	1977	8	12	14	45	0
21,469	1977	8	12	15	0	0
21,470	1977	8	12	15	15	0
21,471	1977	8	12	15	30	0
21,472	1977	8	12	15	45	0
21,473	1977	8	12	16	0	0
21,474	1977	8	12	16	15	0
21,475	1977	8	12	16	30	0
21,476	1977	8	12	16	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
21,477	1977	8	12	17	0	0
21,478	1977	8	12	17	15	0
21,479	1977	8	12	17	30	0
21,480	1977	8	12	17	45	0
21,481	1977	8	12	18	0	0
21,482	1977	8	12	18	15	0
21,483	1977	8	12	18	30	0
21,484	1977	8	12	18	45	0
21,485	1977	8	12	19	0	0
21,486	1977	8	12	19	15	0
21,487	1977	8	12	19	30	0
21,488	1977	8	12	19	45	0
21,489	1977	8	12	20	0	0
21,490	1977	8	12	20	15	0
21,491	1977	8	12	20	30	0
21,492	1977	8	12	20	45	0
21,493	1977	8	12	21	0	0
21,494	1977	8	12	21	15	0
21,495	1977	8	12	21	30	0
21,496	1977	8	12	21	45	0
21,497	1977	8	12	22	0	0
21,498	1977	8	12	22	15	0
21,499	1977	8	12	22	30	0
21,500	1977	8	12	22	45	0
21,501	1977	8	12	23	0	0
21,502	1977	8	12	23	15	0
21,503	1977	8	12	23	30	0
21,504	1977	8	12	23	45	0
21,505	1977	8	13	0	0	0
21,506	1977	8	13	0	15	0
21,507	1977	8	13	0	30	0
21,508	1977	8	13	0	45	0
21,509	1977	8	13	1	0	0
21,510	1977	8	13	1	15	0
21,511	1977	8	13	1	30	0
21,512	1977	8	13	1	45	0
21,513	1977	8	13	2	0	0
21,514	1977	8	13	2	15	0
21,515	1977	8	13	2	30	0
21,516	1977	8	13	2	45	0
21,517	1977	8	13	3	0	0
21,518	1977	8	13	3	15	0
21,519	1977	8	13	3	30	0
21,520	1977	8	13	3	45	0
21,521	1977	8	13	4	0	0
21,522	1977	8	13	4	15	0
21,523	1977	8	13	4	30	0
21,524	1977	8	13	4	45	0
21,525	1977	8	13	5	0	0
21,526	1977	8	13	5	15	0
21,527	1977	8	13	5	30	0
21,528	1977	8	13	5	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
21,529	1977	8	13	6	0	0
21,530	1977	8	13	6	15	0
21,531	1977	8	13	6	30	0
21,532	1977	8	13	6	45	0
21,533	1977	8	13	7	0	0
21,534	1977	8	13	7	15	0
21,535	1977	8	13	7	30	0
21,536	1977	8	13	7	45	0
21,537	1977	8	13	8	0	0
21,538	1977	8	13	8	15	0
21,539	1977	8	13	8	30	0
21,540	1977	8	13	8	45	0
21,541	1977	8	13	9	0	0
21,542	1977	8	13	9	15	0
21,543	1977	8	13	9	30	0
21,544	1977	8	13	9	45	0
21,545	1977	8	13	10	0	0
21,546	1977	8	13	10	15	0
21,547	1977	8	13	10	30	0
21,548	1977	8	13	10	45	0
21,549	1977	8	13	11	0	0
21,550	1977	8	13	11	15	0
21,551	1977	8	13	11	30	0
21,552	1977	8	13	11	45	0
21,553	1977	8	13	12	0	0
21,554	1977	8	13	12	15	0
21,555	1977	8	13	12	30	0
21,556	1977	8	13	12	45	0
21,557	1977	8	13	13	0	0
21,558	1977	8	13	13	15	0
21,559	1977	8	13	13	30	0
21,560	1977	8	13	13	45	0
21,561	1977	8	13	14	0	0
21,562	1977	8	13	14	15	0
21,563	1977	8	13	14	30	0
21,564	1977	8	13	14	45	0
21,565	1977	8	13	15	0	0
21,566	1977	8	13	15	15	0
21,567	1977	8	13	15	30	0
21,568	1977	8	13	15	45	0
21,569	1977	8	13	16	0	0
21,570	1977	8	13	16	15	0
21,571	1977	8	13	16	30	0
21,572	1977	8	13	16	45	0
21,573	1977	8	13	17	0	0
21,574	1977	8	13	17	15	0
21,575	1977	8	13	17	30	0
21,576	1977	8	13	17	45	0
21,577	1977	8	13	18	0	0
21,578	1977	8	13	18	15	0
21,579	1977	8	13	18	30	0
21,580	1977	8	13	18	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
21,581	1977	8	13	19	0	0
21,582	1977	8	13	19	15	0
21,583	1977	8	13	19	30	0
21,584	1977	8	13	19	45	0
21,585	1977	8	13	20	0	0.0375
21,586	1977	8	13	20	15	0.0375
21,587	1977	8	13	20	30	0.0375
21,588	1977	8	13	20	45	0.0375
21,589	1977	8	13	21	0	0.015
21,590	1977	8	13	21	15	0.015
21,591	1977	8	13	21	30	0.015
21,592	1977	8	13	21	45	0.015
21,593	1977	8	13	22	0	0.0025
21,594	1977	8	13	22	15	0.0025
21,595	1977	8	13	22	30	0.0025
21,596	1977	8	13	22	45	0.0025
21,597	1977	8	13	23	0	0
21,598	1977	8	13	23	15	0
21,599	1977	8	13	23	30	0
21,600	1977	8	13	23	45	0
21,601	1977	8	14	0	0	0
21,602	1977	8	14	0	15	0
21,603	1977	8	14	0	30	0
21,604	1977	8	14	0	45	0
21,605	1977	8	14	1	0	0
21,606	1977	8	14	1	15	0
21,607	1977	8	14	1	30	0
21,608	1977	8	14	1	45	0
21,609	1977	8	14	2	0	0
21,610	1977	8	14	2	15	0
21,611	1977	8	14	2	30	0
21,612	1977	8	14	2	45	0
21,613	1977	8	14	3	0	0
21,614	1977	8	14	3	15	0
21,615	1977	8	14	3	30	0
21,616	1977	8	14	3	45	0
21,617	1977	8	14	4	0	0
21,618	1977	8	14	4	15	0
21,619	1977	8	14	4	30	0
21,620	1977	8	14	4	45	0
21,621	1977	8	14	5	0	0
21,622	1977	8	14	5	15	0
21,623	1977	8	14	5	30	0
21,624	1977	8	14	5	45	0
21,625	1977	8	14	6	0	0
21,626	1977	8	14	6	15	0
21,627	1977	8	14	6	30	0
21,628	1977	8	14	6	45	0
21,629	1977	8	14	7	0	0
21,630	1977	8	14	7	15	0
21,631	1977	8	14	7	30	0
21,632	1977	8	14	7	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
21,633	1977	8	14	8	0	0
21,634	1977	8	14	8	15	0
21,635	1977	8	14	8	30	0
21,636	1977	8	14	8	45	0
21,637	1977	8	14	9	0	0
21,638	1977	8	14	9	15	0
21,639	1977	8	14	9	30	0
21,640	1977	8	14	9	45	0
21,641	1977	8	14	10	0	0
21,642	1977	8	14	10	15	0
21,643	1977	8	14	10	30	0
21,644	1977	8	14	10	45	0
21,645	1977	8	14	11	0	0
21,646	1977	8	14	11	15	0
21,647	1977	8	14	11	30	0
21,648	1977	8	14	11	45	0
21,649	1977	8	14	12	0	0
21,650	1977	8	14	12	15	0
21,651	1977	8	14	12	30	0
21,652	1977	8	14	12	45	0
21,653	1977	8	14	13	0	0
21,654	1977	8	14	13	15	0
21,655	1977	8	14	13	30	0
21,656	1977	8	14	13	45	0
21,657	1977	8	14	14	0	0
21,658	1977	8	14	14	15	0
21,659	1977	8	14	14	30	0
21,660	1977	8	14	14	45	0
21,661	1977	8	14	15	0	0
21,662	1977	8	14	15	15	0
21,663	1977	8	14	15	30	0
21,664	1977	8	14	15	45	0
21,665	1977	8	14	16	0	0
21,666	1977	8	14	16	15	0
21,667	1977	8	14	16	30	0
21,668	1977	8	14	16	45	0
21,669	1977	8	14	17	0	0
21,670	1977	8	14	17	15	0
21,671	1977	8	14	17	30	0
21,672	1977	8	14	17	45	0
21,673	1977	8	14	18	0	0
21,674	1977	8	14	18	15	0
21,675	1977	8	14	18	30	0
21,676	1977	8	14	18	45	0
21,677	1977	8	14	19	0	0
21,678	1977	8	14	19	15	0
21,679	1977	8	14	19	30	0
21,680	1977	8	14	19	45	0
21,681	1977	8	14	20	0	0
21,682	1977	8	14	20	15	0
21,683	1977	8	14	20	30	0
21,684	1977	8	14	20	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
21,685	1977	8	14	21	0	0
21,686	1977	8	14	21	15	0
21,687	1977	8	14	21	30	0
21,688	1977	8	14	21	45	0
21,689	1977	8	14	22	0	0
21,690	1977	8	14	22	15	0
21,691	1977	8	14	22	30	0
21,692	1977	8	14	22	45	0
21,693	1977	8	14	23	0	0
21,694	1977	8	14	23	15	0
21,695	1977	8	14	23	30	0
21,696	1977	8	14	23	45	0
21,697	1977	8	15	0	0	0
21,698	1977	8	15	0	15	0
21,699	1977	8	15	0	30	0
21,700	1977	8	15	0	45	0
21,701	1977	8	15	1	0	0
21,702	1977	8	15	1	15	0
21,703	1977	8	15	1	30	0
21,704	1977	8	15	1	45	0
21,705	1977	8	15	2	0	0
21,706	1977	8	15	2	15	0
21,707	1977	8	15	2	30	0
21,708	1977	8	15	2	45	0
21,709	1977	8	15	3	0	0
21,710	1977	8	15	3	15	0
21,711	1977	8	15	3	30	0
21,712	1977	8	15	3	45	0
21,713	1977	8	15	4	0	0
21,714	1977	8	15	4	15	0
21,715	1977	8	15	4	30	0
21,716	1977	8	15	4	45	0
21,717	1977	8	15	5	0	0
21,718	1977	8	15	5	15	0
21,719	1977	8	15	5	30	0
21,720	1977	8	15	5	45	0
21,721	1977	8	15	6	0	0
21,722	1977	8	15	6	15	0
21,723	1977	8	15	6	30	0
21,724	1977	8	15	6	45	0
21,725	1977	8	15	7	0	0
21,726	1977	8	15	7	15	0
21,727	1977	8	15	7	30	0
21,728	1977	8	15	7	45	0
21,729	1977	8	15	8	0	0
21,730	1977	8	15	8	15	0
21,731	1977	8	15	8	30	0
21,732	1977	8	15	8	45	0
21,733	1977	8	15	9	0	0
21,734	1977	8	15	9	15	0
21,735	1977	8	15	9	30	0
21,736	1977	8	15	9	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
21,737	1977	8	15	10	0	0
21,738	1977	8	15	10	15	0
21,739	1977	8	15	10	30	0
21,740	1977	8	15	10	45	0
21,741	1977	8	15	11	0	0
21,742	1977	8	15	11	15	0
21,743	1977	8	15	11	30	0
21,744	1977	8	15	11	45	0
21,745	1977	8	15	12	0	0
21,746	1977	8	15	12	15	0
21,747	1977	8	15	12	30	0
21,748	1977	8	15	12	45	0
21,749	1977	8	15	13	0	0
21,750	1977	8	15	13	15	0
21,751	1977	8	15	13	30	0
21,752	1977	8	15	13	45	0
21,753	1977	8	15	14	0	0
21,754	1977	8	15	14	15	0
21,755	1977	8	15	14	30	0
21,756	1977	8	15	14	45	0
21,757	1977	8	15	15	0	0
21,758	1977	8	15	15	15	0
21,759	1977	8	15	15	30	0
21,760	1977	8	15	15	45	0
21,761	1977	8	15	16	0	0
21,762	1977	8	15	16	15	0
21,763	1977	8	15	16	30	0
21,764	1977	8	15	16	45	0
21,765	1977	8	15	17	0	0
21,766	1977	8	15	17	15	0
21,767	1977	8	15	17	30	0
21,768	1977	8	15	17	45	0
21,769	1977	8	15	18	0	0
21,770	1977	8	15	18	15	0
21,771	1977	8	15	18	30	0
21,772	1977	8	15	18	45	0
21,773	1977	8	15	19	0	0
21,774	1977	8	15	19	15	0
21,775	1977	8	15	19	30	0
21,776	1977	8	15	19	45	0
21,777	1977	8	15	20	0	0
21,778	1977	8	15	20	15	0
21,779	1977	8	15	20	30	0
21,780	1977	8	15	20	45	0
21,781	1977	8	15	21	0	0
21,782	1977	8	15	21	15	0
21,783	1977	8	15	21	30	0
21,784	1977	8	15	21	45	0
21,785	1977	8	15	22	0	0
21,786	1977	8	15	22	15	0
21,787	1977	8	15	22	30	0
21,788	1977	8	15	22	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
21,789	1977	8	15	23	0	0
21,790	1977	8	15	23	15	0
21,791	1977	8	15	23	30	0
21,792	1977	8	15	23	45	0
21,793	1977	8	16	0	0	0
21,794	1977	8	16	0	15	0
21,795	1977	8	16	0	30	0
21,796	1977	8	16	0	45	0
21,797	1977	8	16	1	0	0
21,798	1977	8	16	1	15	0
21,799	1977	8	16	1	30	0
21,800	1977	8	16	1	45	0
21,801	1977	8	16	2	0	0
21,802	1977	8	16	2	15	0
21,803	1977	8	16	2	30	0
21,804	1977	8	16	2	45	0
21,805	1977	8	16	3	0	0
21,806	1977	8	16	3	15	0
21,807	1977	8	16	3	30	0
21,808	1977	8	16	3	45	0
21,809	1977	8	16	4	0	0
21,810	1977	8	16	4	15	0
21,811	1977	8	16	4	30	0
21,812	1977	8	16	4	45	0
21,813	1977	8	16	5	0	0
21,814	1977	8	16	5	15	0
21,815	1977	8	16	5	30	0
21,816	1977	8	16	5	45	0
21,817	1977	8	16	6	0	0
21,818	1977	8	16	6	15	0
21,819	1977	8	16	6	30	0
21,820	1977	8	16	6	45	0
21,821	1977	8	16	7	0	0
21,822	1977	8	16	7	15	0
21,823	1977	8	16	7	30	0
21,824	1977	8	16	7	45	0
21,825	1977	8	16	8	0	0
21,826	1977	8	16	8	15	0
21,827	1977	8	16	8	30	0
21,828	1977	8	16	8	45	0
21,829	1977	8	16	9	0	0
21,830	1977	8	16	9	15	0
21,831	1977	8	16	9	30	0
21,832	1977	8	16	9	45	0
21,833	1977	8	16	10	0	0
21,834	1977	8	16	10	15	0
21,835	1977	8	16	10	30	0
21,836	1977	8	16	10	45	0
21,837	1977	8	16	11	0	0
21,838	1977	8	16	11	15	0
21,839	1977	8	16	11	30	0
21,840	1977	8	16	11	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
21,841	1977	8	16	12	0	0
21,842	1977	8	16	12	15	0
21,843	1977	8	16	12	30	0
21,844	1977	8	16	12	45	0
21,845	1977	8	16	13	0	0
21,846	1977	8	16	13	15	0
21,847	1977	8	16	13	30	0
21,848	1977	8	16	13	45	0
21,849	1977	8	16	14	0	0
21,850	1977	8	16	14	15	0
21,851	1977	8	16	14	30	0
21,852	1977	8	16	14	45	0
21,853	1977	8	16	15	0	0
21,854	1977	8	16	15	15	0
21,855	1977	8	16	15	30	0
21,856	1977	8	16	15	45	0
21,857	1977	8	16	16	0	0
21,858	1977	8	16	16	15	0
21,859	1977	8	16	16	30	0
21,860	1977	8	16	16	45	0
21,861	1977	8	16	17	0	0.0025
21,862	1977	8	16	17	15	0.0025
21,863	1977	8	16	17	30	0.0025
21,864	1977	8	16	17	45	0.0025
21,865	1977	8	16	18	0	0.0075
21,866	1977	8	16	18	15	0.0075
21,867	1977	8	16	18	30	0.0075
21,868	1977	8	16	18	45	0.0075
21,869	1977	8	16	19	0	0
21,870	1977	8	16	19	15	0
21,871	1977	8	16	19	30	0
21,872	1977	8	16	19	45	0
21,873	1977	8	16	20	0	0
21,874	1977	8	16	20	15	0
21,875	1977	8	16	20	30	0
21,876	1977	8	16	20	45	0
21,877	1977	8	16	21	0	0
21,878	1977	8	16	21	15	0
21,879	1977	8	16	21	30	0
21,880	1977	8	16	21	45	0
21,881	1977	8	16	22	0	0
21,882	1977	8	16	22	15	0
21,883	1977	8	16	22	30	0
21,884	1977	8	16	22	45	0
21,885	1977	8	16	23	0	0
21,886	1977	8	16	23	15	0
21,887	1977	8	16	23	30	0
21,888	1977	8	16	23	45	0
21,889	1977	8	17	0	0	0
21,890	1977	8	17	0	15	0
21,891	1977	8	17	0	30	0
21,892	1977	8	17	0	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
21,893	1977	8	17	1	0	0
21,894	1977	8	17	1	15	0
21,895	1977	8	17	1	30	0
21,896	1977	8	17	1	45	0
21,897	1977	8	17	2	0	0.0425
21,898	1977	8	17	2	15	0.0425
21,899	1977	8	17	2	30	0.0425
21,900	1977	8	17	2	45	0.0425
21,901	1977	8	17	3	0	0.0025
21,902	1977	8	17	3	15	0.0025
21,903	1977	8	17	3	30	0.0025
21,904	1977	8	17	3	45	0.0025
21,905	1977	8	17	4	0	0
21,906	1977	8	17	4	15	0
21,907	1977	8	17	4	30	0
21,908	1977	8	17	4	45	0
21,909	1977	8	17	5	0	0
21,910	1977	8	17	5	15	0
21,911	1977	8	17	5	30	0
21,912	1977	8	17	5	45	0
21,913	1977	8	17	6	0	0
21,914	1977	8	17	6	15	0
21,915	1977	8	17	6	30	0
21,916	1977	8	17	6	45	0
21,917	1977	8	17	7	0	0
21,918	1977	8	17	7	15	0
21,919	1977	8	17	7	30	0
21,920	1977	8	17	7	45	0
21,921	1977	8	17	8	0	0
21,922	1977	8	17	8	15	0
21,923	1977	8	17	8	30	0
21,924	1977	8	17	8	45	0
21,925	1977	8	17	9	0	0
21,926	1977	8	17	9	15	0
21,927	1977	8	17	9	30	0
21,928	1977	8	17	9	45	0
21,929	1977	8	17	10	0	0
21,930	1977	8	17	10	15	0
21,931	1977	8	17	10	30	0
21,932	1977	8	17	10	45	0
21,933	1977	8	17	11	0	0
21,934	1977	8	17	11	15	0
21,935	1977	8	17	11	30	0
21,936	1977	8	17	11	45	0
21,937	1977	8	17	12	0	0
21,938	1977	8	17	12	15	0
21,939	1977	8	17	12	30	0
21,940	1977	8	17	12	45	0
21,941	1977	8	17	13	0	0
21,942	1977	8	17	13	15	0
21,943	1977	8	17	13	30	0
21,944	1977	8	17	13	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
21,945	1977	8	17	14	0	0
21,946	1977	8	17	14	15	0
21,947	1977	8	17	14	30	0
21,948	1977	8	17	14	45	0
21,949	1977	8	17	15	0	0
21,950	1977	8	17	15	15	0
21,951	1977	8	17	15	30	0
21,952	1977	8	17	15	45	0
21,953	1977	8	17	16	0	0
21,954	1977	8	17	16	15	0
21,955	1977	8	17	16	30	0
21,956	1977	8	17	16	45	0
21,957	1977	8	17	17	0	0
21,958	1977	8	17	17	15	0
21,959	1977	8	17	17	30	0
21,960	1977	8	17	17	45	0
21,961	1977	8	17	18	0	0
21,962	1977	8	17	18	15	0
21,963	1977	8	17	18	30	0
21,964	1977	8	17	18	45	0
21,965	1977	8	17	19	0	0
21,966	1977	8	17	19	15	0
21,967	1977	8	17	19	30	0
21,968	1977	8	17	19	45	0
21,969	1977	8	17	20	0	0
21,970	1977	8	17	20	15	0
21,971	1977	8	17	20	30	0
21,972	1977	8	17	20	45	0
21,973	1977	8	17	21	0	0
21,974	1977	8	17	21	15	0
21,975	1977	8	17	21	30	0
21,976	1977	8	17	21	45	0
21,977	1977	8	17	22	0	0
21,978	1977	8	17	22	15	0
21,979	1977	8	17	22	30	0
21,980	1977	8	17	22	45	0
21,981	1977	8	17	23	0	0
21,982	1977	8	17	23	15	0
21,983	1977	8	17	23	30	0
21,984	1977	8	17	23	45	0
21,985	1977	8	18	0	0	0
21,986	1977	8	18	0	15	0
21,987	1977	8	18	0	30	0
21,988	1977	8	18	0	45	0
21,989	1977	8	18	1	0	0
21,990	1977	8	18	1	15	0
21,991	1977	8	18	1	30	0
21,992	1977	8	18	1	45	0
21,993	1977	8	18	2	0	0
21,994	1977	8	18	2	15	0
21,995	1977	8	18	2	30	0
21,996	1977	8	18	2	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
21,997	1977	8	18	3	0	0
21,998	1977	8	18	3	15	0
21,999	1977	8	18	3	30	0
22,000	1977	8	18	3	45	0
22,001	1977	8	18	4	0	0
22,002	1977	8	18	4	15	0
22,003	1977	8	18	4	30	0
22,004	1977	8	18	4	45	0
22,005	1977	8	18	5	0	0
22,006	1977	8	18	5	15	0
22,007	1977	8	18	5	30	0
22,008	1977	8	18	5	45	0
22,009	1977	8	18	6	0	0
22,010	1977	8	18	6	15	0
22,011	1977	8	18	6	30	0
22,012	1977	8	18	6	45	0
22,013	1977	8	18	7	0	0
22,014	1977	8	18	7	15	0
22,015	1977	8	18	7	30	0
22,016	1977	8	18	7	45	0
22,017	1977	8	18	8	0	0
22,018	1977	8	18	8	15	0
22,019	1977	8	18	8	30	0
22,020	1977	8	18	8	45	0
22,021	1977	8	18	9	0	0
22,022	1977	8	18	9	15	0
22,023	1977	8	18	9	30	0
22,024	1977	8	18	9	45	0
22,025	1977	8	18	10	0	0
22,026	1977	8	18	10	15	0
22,027	1977	8	18	10	30	0
22,028	1977	8	18	10	45	0
22,029	1977	8	18	11	0	0
22,030	1977	8	18	11	15	0
22,031	1977	8	18	11	30	0
22,032	1977	8	18	11	45	0
22,033	1977	8	18	12	0	0
22,034	1977	8	18	12	15	0
22,035	1977	8	18	12	30	0
22,036	1977	8	18	12	45	0
22,037	1977	8	18	13	0	0
22,038	1977	8	18	13	15	0
22,039	1977	8	18	13	30	0
22,040	1977	8	18	13	45	0
22,041	1977	8	18	14	0	0
22,042	1977	8	18	14	15	0
22,043	1977	8	18	14	30	0
22,044	1977	8	18	14	45	0
22,045	1977	8	18	15	0	0
22,046	1977	8	18	15	15	0
22,047	1977	8	18	15	30	0
22,048	1977	8	18	15	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
22,049	1977	8	18	16	0	0
22,050	1977	8	18	16	15	0
22,051	1977	8	18	16	30	0
22,052	1977	8	18	16	45	0
22,053	1977	8	18	17	0	0
22,054	1977	8	18	17	15	0
22,055	1977	8	18	17	30	0
22,056	1977	8	18	17	45	0
22,057	1977	8	18	18	0	0
22,058	1977	8	18	18	15	0
22,059	1977	8	18	18	30	0
22,060	1977	8	18	18	45	0
22,061	1977	8	18	19	0	0
22,062	1977	8	18	19	15	0
22,063	1977	8	18	19	30	0
22,064	1977	8	18	19	45	0
22,065	1977	8	18	20	0	0
22,066	1977	8	18	20	15	0
22,067	1977	8	18	20	30	0
22,068	1977	8	18	20	45	0
22,069	1977	8	18	21	0	0
22,070	1977	8	18	21	15	0
22,071	1977	8	18	21	30	0
22,072	1977	8	18	21	45	0
22,073	1977	8	18	22	0	0
22,074	1977	8	18	22	15	0
22,075	1977	8	18	22	30	0
22,076	1977	8	18	22	45	0
22,077	1977	8	18	23	0	0
22,078	1977	8	18	23	15	0
22,079	1977	8	18	23	30	0
22,080	1977	8	18	23	45	0
22,081	1977	8	19	0	0	0
22,082	1977	8	19	0	15	0
22,083	1977	8	19	0	30	0
22,084	1977	8	19	0	45	0
22,085	1977	8	19	1	0	0
22,086	1977	8	19	1	15	0
22,087	1977	8	19	1	30	0
22,088	1977	8	19	1	45	0
22,089	1977	8	19	2	0	0
22,090	1977	8	19	2	15	0
22,091	1977	8	19	2	30	0
22,092	1977	8	19	2	45	0
22,093	1977	8	19	3	0	0
22,094	1977	8	19	3	15	0
22,095	1977	8	19	3	30	0
22,096	1977	8	19	3	45	0
22,097	1977	8	19	4	0	0
22,098	1977	8	19	4	15	0
22,099	1977	8	19	4	30	0
22,100	1977	8	19	4	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
22,101	1977	8	19	5	0	0
22,102	1977	8	19	5	15	0
22,103	1977	8	19	5	30	0
22,104	1977	8	19	5	45	0
22,105	1977	8	19	6	0	0
22,106	1977	8	19	6	15	0
22,107	1977	8	19	6	30	0
22,108	1977	8	19	6	45	0
22,109	1977	8	19	7	0	0
22,110	1977	8	19	7	15	0
22,111	1977	8	19	7	30	0
22,112	1977	8	19	7	45	0
22,113	1977	8	19	8	0	0
22,114	1977	8	19	8	15	0
22,115	1977	8	19	8	30	0
22,116	1977	8	19	8	45	0
22,117	1977	8	19	9	0	0
22,118	1977	8	19	9	15	0
22,119	1977	8	19	9	30	0
22,120	1977	8	19	9	45	0
22,121	1977	8	19	10	0	0
22,122	1977	8	19	10	15	0
22,123	1977	8	19	10	30	0
22,124	1977	8	19	10	45	0
22,125	1977	8	19	11	0	0
22,126	1977	8	19	11	15	0
22,127	1977	8	19	11	30	0
22,128	1977	8	19	11	45	0
22,129	1977	8	19	12	0	0
22,130	1977	8	19	12	15	0
22,131	1977	8	19	12	30	0
22,132	1977	8	19	12	45	0
22,133	1977	8	19	13	0	0
22,134	1977	8	19	13	15	0
22,135	1977	8	19	13	30	0
22,136	1977	8	19	13	45	0
22,137	1977	8	19	14	0	0
22,138	1977	8	19	14	15	0
22,139	1977	8	19	14	30	0
22,140	1977	8	19	14	45	0
22,141	1977	8	19	15	0	0
22,142	1977	8	19	15	15	0
22,143	1977	8	19	15	30	0
22,144	1977	8	19	15	45	0
22,145	1977	8	19	16	0	0
22,146	1977	8	19	16	15	0
22,147	1977	8	19	16	30	0
22,148	1977	8	19	16	45	0
22,149	1977	8	19	17	0	0
22,150	1977	8	19	17	15	0
22,151	1977	8	19	17	30	0
22,152	1977	8	19	17	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
22,153	1977	8	19	18	0	0
22,154	1977	8	19	18	15	0
22,155	1977	8	19	18	30	0
22,156	1977	8	19	18	45	0
22,157	1977	8	19	19	0	0
22,158	1977	8	19	19	15	0
22,159	1977	8	19	19	30	0
22,160	1977	8	19	19	45	0
22,161	1977	8	19	20	0	0
22,162	1977	8	19	20	15	0
22,163	1977	8	19	20	30	0
22,164	1977	8	19	20	45	0
22,165	1977	8	19	21	0	0
22,166	1977	8	19	21	15	0
22,167	1977	8	19	21	30	0
22,168	1977	8	19	21	45	0
22,169	1977	8	19	22	0	0
22,170	1977	8	19	22	15	0
22,171	1977	8	19	22	30	0
22,172	1977	8	19	22	45	0
22,173	1977	8	19	23	0	0
22,174	1977	8	19	23	15	0
22,175	1977	8	19	23	30	0
22,176	1977	8	19	23	45	0
22,177	1977	8	20	0	0	0
22,178	1977	8	20	0	15	0
22,179	1977	8	20	0	30	0
22,180	1977	8	20	0	45	0
22,181	1977	8	20	1	0	0
22,182	1977	8	20	1	15	0
22,183	1977	8	20	1	30	0
22,184	1977	8	20	1	45	0
22,185	1977	8	20	2	0	0
22,186	1977	8	20	2	15	0
22,187	1977	8	20	2	30	0
22,188	1977	8	20	2	45	0
22,189	1977	8	20	3	0	0
22,190	1977	8	20	3	15	0
22,191	1977	8	20	3	30	0
22,192	1977	8	20	3	45	0
22,193	1977	8	20	4	0	0
22,194	1977	8	20	4	15	0
22,195	1977	8	20	4	30	0
22,196	1977	8	20	4	45	0
22,197	1977	8	20	5	0	0
22,198	1977	8	20	5	15	0
22,199	1977	8	20	5	30	0
22,200	1977	8	20	5	45	0
22,201	1977	8	20	6	0	0
22,202	1977	8	20	6	15	0
22,203	1977	8	20	6	30	0
22,204	1977	8	20	6	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
22,205	1977	8	20	7	0	0
22,206	1977	8	20	7	15	0
22,207	1977	8	20	7	30	0
22,208	1977	8	20	7	45	0
22,209	1977	8	20	8	0	0
22,210	1977	8	20	8	15	0
22,211	1977	8	20	8	30	0
22,212	1977	8	20	8	45	0
22,213	1977	8	20	9	0	0
22,214	1977	8	20	9	15	0
22,215	1977	8	20	9	30	0
22,216	1977	8	20	9	45	0
22,217	1977	8	20	10	0	0
22,218	1977	8	20	10	15	0
22,219	1977	8	20	10	30	0
22,220	1977	8	20	10	45	0
22,221	1977	8	20	11	0	0
22,222	1977	8	20	11	15	0
22,223	1977	8	20	11	30	0
22,224	1977	8	20	11	45	0
22,225	1977	8	20	12	0	0
22,226	1977	8	20	12	15	0
22,227	1977	8	20	12	30	0
22,228	1977	8	20	12	45	0
22,229	1977	8	20	13	0	0
22,230	1977	8	20	13	15	0
22,231	1977	8	20	13	30	0
22,232	1977	8	20	13	45	0
22,233	1977	8	20	14	0	0
22,234	1977	8	20	14	15	0
22,235	1977	8	20	14	30	0
22,236	1977	8	20	14	45	0
22,237	1977	8	20	15	0	0
22,238	1977	8	20	15	15	0
22,239	1977	8	20	15	30	0
22,240	1977	8	20	15	45	0
22,241	1977	8	20	16	0	0
22,242	1977	8	20	16	15	0
22,243	1977	8	20	16	30	0
22,244	1977	8	20	16	45	0
22,245	1977	8	20	17	0	0
22,246	1977	8	20	17	15	0
22,247	1977	8	20	17	30	0
22,248	1977	8	20	17	45	0
22,249	1977	8	20	18	0	0
22,250	1977	8	20	18	15	0
22,251	1977	8	20	18	30	0
22,252	1977	8	20	18	45	0
22,253	1977	8	20	19	0	0
22,254	1977	8	20	19	15	0
22,255	1977	8	20	19	30	0
22,256	1977	8	20	19	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
22,257	1977	8	20	20	0	0
22,258	1977	8	20	20	15	0
22,259	1977	8	20	20	30	0
22,260	1977	8	20	20	45	0
22,261	1977	8	20	21	0	0
22,262	1977	8	20	21	15	0
22,263	1977	8	20	21	30	0
22,264	1977	8	20	21	45	0
22,265	1977	8	20	22	0	0
22,266	1977	8	20	22	15	0
22,267	1977	8	20	22	30	0
22,268	1977	8	20	22	45	0
22,269	1977	8	20	23	0	0
22,270	1977	8	20	23	15	0
22,271	1977	8	20	23	30	0
22,272	1977	8	20	23	45	0
22,273	1977	8	21	0	0	0
22,274	1977	8	21	0	15	0
22,275	1977	8	21	0	30	0
22,276	1977	8	21	0	45	0
22,277	1977	8	21	1	0	0
22,278	1977	8	21	1	15	0
22,279	1977	8	21	1	30	0
22,280	1977	8	21	1	45	0
22,281	1977	8	21	2	0	0
22,282	1977	8	21	2	15	0
22,283	1977	8	21	2	30	0
22,284	1977	8	21	2	45	0
22,285	1977	8	21	3	0	0
22,286	1977	8	21	3	15	0
22,287	1977	8	21	3	30	0
22,288	1977	8	21	3	45	0
22,289	1977	8	21	4	0	0
22,290	1977	8	21	4	15	0
22,291	1977	8	21	4	30	0
22,292	1977	8	21	4	45	0
22,293	1977	8	21	5	0	0.0025
22,294	1977	8	21	5	15	0.0025
22,295	1977	8	21	5	30	0.0025
22,296	1977	8	21	5	45	0.0025
22,297	1977	8	21	6	0	0.01
22,298	1977	8	21	6	15	0.01
22,299	1977	8	21	6	30	0.01
22,300	1977	8	21	6	45	0.01
22,301	1977	8	21	7	0	0
22,302	1977	8	21	7	15	0
22,303	1977	8	21	7	30	0
22,304	1977	8	21	7	45	0
22,305	1977	8	21	8	0	0
22,306	1977	8	21	8	15	0
22,307	1977	8	21	8	30	0
22,308	1977	8	21	8	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
22,309	1977	8	21	9	0	0
22,310	1977	8	21	9	15	0
22,311	1977	8	21	9	30	0
22,312	1977	8	21	9	45	0
22,313	1977	8	21	10	0	0
22,314	1977	8	21	10	15	0
22,315	1977	8	21	10	30	0
22,316	1977	8	21	10	45	0
22,317	1977	8	21	11	0	0
22,318	1977	8	21	11	15	0
22,319	1977	8	21	11	30	0
22,320	1977	8	21	11	45	0
22,321	1977	8	21	12	0	0
22,322	1977	8	21	12	15	0
22,323	1977	8	21	12	30	0
22,324	1977	8	21	12	45	0
22,325	1977	8	21	13	0	0
22,326	1977	8	21	13	15	0
22,327	1977	8	21	13	30	0
22,328	1977	8	21	13	45	0
22,329	1977	8	21	14	0	0.0025
22,330	1977	8	21	14	15	0.0025
22,331	1977	8	21	14	30	0.0025
22,332	1977	8	21	14	45	0.0025
22,333	1977	8	21	15	0	0.0875
22,334	1977	8	21	15	15	0.0875
22,335	1977	8	21	15	30	0.0875
22,336	1977	8	21	15	45	0.0875
22,337	1977	8	21	16	0	0.025
22,338	1977	8	21	16	15	0.025
22,339	1977	8	21	16	30	0.025
22,340	1977	8	21	16	45	0.025
22,341	1977	8	21	17	0	0.01
22,342	1977	8	21	17	15	0.01
22,343	1977	8	21	17	30	0.01
22,344	1977	8	21	17	45	0.01
22,345	1977	8	21	18	0	0.005
22,346	1977	8	21	18	15	0.005
22,347	1977	8	21	18	30	0.005
22,348	1977	8	21	18	45	0.005
22,349	1977	8	21	19	0	0.0025
22,350	1977	8	21	19	15	0.0025
22,351	1977	8	21	19	30	0.0025
22,352	1977	8	21	19	45	0.0025
22,353	1977	8	21	20	0	0
22,354	1977	8	21	20	15	0
22,355	1977	8	21	20	30	0
22,356	1977	8	21	20	45	0
22,357	1977	8	21	21	0	0
22,358	1977	8	21	21	15	0
22,359	1977	8	21	21	30	0
22,360	1977	8	21	21	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
22,361	1977	8	21	22	0	0
22,362	1977	8	21	22	15	0
22,363	1977	8	21	22	30	0
22,364	1977	8	21	22	45	0
22,365	1977	8	21	23	0	0
22,366	1977	8	21	23	15	0
22,367	1977	8	21	23	30	0
22,368	1977	8	21	23	45	0
22,369	1977	8	22	0	0	0.005
22,370	1977	8	22	0	15	0.005
22,371	1977	8	22	0	30	0.005
22,372	1977	8	22	0	45	0.005
22,373	1977	8	22	1	0	0.0025
22,374	1977	8	22	1	15	0.0025
22,375	1977	8	22	1	30	0.0025
22,376	1977	8	22	1	45	0.0025
22,377	1977	8	22	2	0	0
22,378	1977	8	22	2	15	0
22,379	1977	8	22	2	30	0
22,380	1977	8	22	2	45	0
22,381	1977	8	22	3	0	0
22,382	1977	8	22	3	15	0
22,383	1977	8	22	3	30	0
22,384	1977	8	22	3	45	0
22,385	1977	8	22	4	0	0.01
22,386	1977	8	22	4	15	0.01
22,387	1977	8	22	4	30	0.01
22,388	1977	8	22	4	45	0.01
22,389	1977	8	22	5	0	0
22,390	1977	8	22	5	15	0
22,391	1977	8	22	5	30	0
22,392	1977	8	22	5	45	0
22,393	1977	8	22	6	0	0
22,394	1977	8	22	6	15	0
22,395	1977	8	22	6	30	0
22,396	1977	8	22	6	45	0
22,397	1977	8	22	7	0	0
22,398	1977	8	22	7	15	0
22,399	1977	8	22	7	30	0
22,400	1977	8	22	7	45	0
22,401	1977	8	22	8	0	0
22,402	1977	8	22	8	15	0
22,403	1977	8	22	8	30	0
22,404	1977	8	22	8	45	0
22,405	1977	8	22	9	0	0
22,406	1977	8	22	9	15	0
22,407	1977	8	22	9	30	0
22,408	1977	8	22	9	45	0
22,409	1977	8	22	10	0	0
22,410	1977	8	22	10	15	0
22,411	1977	8	22	10	30	0
22,412	1977	8	22	10	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
22,413	1977	8	22	11	0	0
22,414	1977	8	22	11	15	0
22,415	1977	8	22	11	30	0
22,416	1977	8	22	11	45	0
22,417	1977	8	22	12	0	0
22,418	1977	8	22	12	15	0
22,419	1977	8	22	12	30	0
22,420	1977	8	22	12	45	0
22,421	1977	8	22	13	0	0
22,422	1977	8	22	13	15	0
22,423	1977	8	22	13	30	0
22,424	1977	8	22	13	45	0
22,425	1977	8	22	14	0	0
22,426	1977	8	22	14	15	0
22,427	1977	8	22	14	30	0
22,428	1977	8	22	14	45	0
22,429	1977	8	22	15	0	0
22,430	1977	8	22	15	15	0
22,431	1977	8	22	15	30	0
22,432	1977	8	22	15	45	0
22,433	1977	8	22	16	0	0
22,434	1977	8	22	16	15	0
22,435	1977	8	22	16	30	0
22,436	1977	8	22	16	45	0
22,437	1977	8	22	17	0	0
22,438	1977	8	22	17	15	0
22,439	1977	8	22	17	30	0
22,440	1977	8	22	17	45	0
22,441	1977	8	22	18	0	0
22,442	1977	8	22	18	15	0
22,443	1977	8	22	18	30	0
22,444	1977	8	22	18	45	0
22,445	1977	8	22	19	0	0
22,446	1977	8	22	19	15	0
22,447	1977	8	22	19	30	0
22,448	1977	8	22	19	45	0
22,449	1977	8	22	20	0	0
22,450	1977	8	22	20	15	0
22,451	1977	8	22	20	30	0
22,452	1977	8	22	20	45	0
22,453	1977	8	22	21	0	0
22,454	1977	8	22	21	15	0
22,455	1977	8	22	21	30	0
22,456	1977	8	22	21	45	0
22,457	1977	8	22	22	0	0
22,458	1977	8	22	22	15	0
22,459	1977	8	22	22	30	0
22,460	1977	8	22	22	45	0
22,461	1977	8	22	23	0	0
22,462	1977	8	22	23	15	0
22,463	1977	8	22	23	30	0
22,464	1977	8	22	23	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
22,465	1977	8	23	0	0	0
22,466	1977	8	23	0	15	0
22,467	1977	8	23	0	30	0
22,468	1977	8	23	0	45	0
22,469	1977	8	23	1	0	0
22,470	1977	8	23	1	15	0
22,471	1977	8	23	1	30	0
22,472	1977	8	23	1	45	0
22,473	1977	8	23	2	0	0
22,474	1977	8	23	2	15	0
22,475	1977	8	23	2	30	0
22,476	1977	8	23	2	45	0
22,477	1977	8	23	3	0	0
22,478	1977	8	23	3	15	0
22,479	1977	8	23	3	30	0
22,480	1977	8	23	3	45	0
22,481	1977	8	23	4	0	0
22,482	1977	8	23	4	15	0
22,483	1977	8	23	4	30	0
22,484	1977	8	23	4	45	0
22,485	1977	8	23	5	0	0
22,486	1977	8	23	5	15	0
22,487	1977	8	23	5	30	0
22,488	1977	8	23	5	45	0
22,489	1977	8	23	6	0	0
22,490	1977	8	23	6	15	0
22,491	1977	8	23	6	30	0
22,492	1977	8	23	6	45	0
22,493	1977	8	23	7	0	0
22,494	1977	8	23	7	15	0
22,495	1977	8	23	7	30	0
22,496	1977	8	23	7	45	0
22,497	1977	8	23	8	0	0
22,498	1977	8	23	8	15	0
22,499	1977	8	23	8	30	0
22,500	1977	8	23	8	45	0
22,501	1977	8	23	9	0	0
22,502	1977	8	23	9	15	0
22,503	1977	8	23	9	30	0
22,504	1977	8	23	9	45	0
22,505	1977	8	23	10	0	0
22,506	1977	8	23	10	15	0
22,507	1977	8	23	10	30	0
22,508	1977	8	23	10	45	0
22,509	1977	8	23	11	0	0
22,510	1977	8	23	11	15	0
22,511	1977	8	23	11	30	0
22,512	1977	8	23	11	45	0
22,513	1977	8	23	12	0	0
22,514	1977	8	23	12	15	0
22,515	1977	8	23	12	30	0
22,516	1977	8	23	12	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
22,517	1977	8	23	13	0	0
22,518	1977	8	23	13	15	0
22,519	1977	8	23	13	30	0
22,520	1977	8	23	13	45	0
22,521	1977	8	23	14	0	0
22,522	1977	8	23	14	15	0
22,523	1977	8	23	14	30	0
22,524	1977	8	23	14	45	0
22,525	1977	8	23	15	0	0
22,526	1977	8	23	15	15	0
22,527	1977	8	23	15	30	0
22,528	1977	8	23	15	45	0
22,529	1977	8	23	16	0	0
22,530	1977	8	23	16	15	0
22,531	1977	8	23	16	30	0
22,532	1977	8	23	16	45	0
22,533	1977	8	23	17	0	0
22,534	1977	8	23	17	15	0
22,535	1977	8	23	17	30	0
22,536	1977	8	23	17	45	0
22,537	1977	8	23	18	0	0
22,538	1977	8	23	18	15	0
22,539	1977	8	23	18	30	0
22,540	1977	8	23	18	45	0
22,541	1977	8	23	19	0	0
22,542	1977	8	23	19	15	0
22,543	1977	8	23	19	30	0
22,544	1977	8	23	19	45	0
22,545	1977	8	23	20	0	0
22,546	1977	8	23	20	15	0
22,547	1977	8	23	20	30	0
22,548	1977	8	23	20	45	0
22,549	1977	8	23	21	0	0
22,550	1977	8	23	21	15	0
22,551	1977	8	23	21	30	0
22,552	1977	8	23	21	45	0
22,553	1977	8	23	22	0	0
22,554	1977	8	23	22	15	0
22,555	1977	8	23	22	30	0
22,556	1977	8	23	22	45	0
22,557	1977	8	23	23	0	0
22,558	1977	8	23	23	15	0
22,559	1977	8	23	23	30	0
22,560	1977	8	23	23	45	0
22,561	1977	8	24	0	0	0
22,562	1977	8	24	0	15	0
22,563	1977	8	24	0	30	0
22,564	1977	8	24	0	45	0
22,565	1977	8	24	1	0	0
22,566	1977	8	24	1	15	0
22,567	1977	8	24	1	30	0
22,568	1977	8	24	1	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
22,569	1977	8	24	2	0	0
22,570	1977	8	24	2	15	0
22,571	1977	8	24	2	30	0
22,572	1977	8	24	2	45	0
22,573	1977	8	24	3	0	0
22,574	1977	8	24	3	15	0
22,575	1977	8	24	3	30	0
22,576	1977	8	24	3	45	0
22,577	1977	8	24	4	0	0
22,578	1977	8	24	4	15	0
22,579	1977	8	24	4	30	0
22,580	1977	8	24	4	45	0
22,581	1977	8	24	5	0	0
22,582	1977	8	24	5	15	0
22,583	1977	8	24	5	30	0
22,584	1977	8	24	5	45	0
22,585	1977	8	24	6	0	0
22,586	1977	8	24	6	15	0
22,587	1977	8	24	6	30	0
22,588	1977	8	24	6	45	0
22,589	1977	8	24	7	0	0
22,590	1977	8	24	7	15	0
22,591	1977	8	24	7	30	0
22,592	1977	8	24	7	45	0
22,593	1977	8	24	8	0	0
22,594	1977	8	24	8	15	0
22,595	1977	8	24	8	30	0
22,596	1977	8	24	8	45	0
22,597	1977	8	24	9	0	0
22,598	1977	8	24	9	15	0
22,599	1977	8	24	9	30	0
22,600	1977	8	24	9	45	0
22,601	1977	8	24	10	0	0
22,602	1977	8	24	10	15	0
22,603	1977	8	24	10	30	0
22,604	1977	8	24	10	45	0
22,605	1977	8	24	11	0	0
22,606	1977	8	24	11	15	0
22,607	1977	8	24	11	30	0
22,608	1977	8	24	11	45	0
22,609	1977	8	24	12	0	0.0025
22,610	1977	8	24	12	15	0.0025
22,611	1977	8	24	12	30	0.0025
22,612	1977	8	24	12	45	0.0025
22,613	1977	8	24	13	0	0.0025
22,614	1977	8	24	13	15	0.0025
22,615	1977	8	24	13	30	0.0025
22,616	1977	8	24	13	45	0.0025
22,617	1977	8	24	14	0	0
22,618	1977	8	24	14	15	0
22,619	1977	8	24	14	30	0
22,620	1977	8	24	14	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
22,621	1977	8	24	15	0	0
22,622	1977	8	24	15	15	0
22,623	1977	8	24	15	30	0
22,624	1977	8	24	15	45	0
22,625	1977	8	24	16	0	0
22,626	1977	8	24	16	15	0
22,627	1977	8	24	16	30	0
22,628	1977	8	24	16	45	0
22,629	1977	8	24	17	0	0
22,630	1977	8	24	17	15	0
22,631	1977	8	24	17	30	0
22,632	1977	8	24	17	45	0
22,633	1977	8	24	18	0	0
22,634	1977	8	24	18	15	0
22,635	1977	8	24	18	30	0
22,636	1977	8	24	18	45	0
22,637	1977	8	24	19	0	0
22,638	1977	8	24	19	15	0
22,639	1977	8	24	19	30	0
22,640	1977	8	24	19	45	0
22,641	1977	8	24	20	0	0
22,642	1977	8	24	20	15	0
22,643	1977	8	24	20	30	0
22,644	1977	8	24	20	45	0
22,645	1977	8	24	21	0	0
22,646	1977	8	24	21	15	0
22,647	1977	8	24	21	30	0
22,648	1977	8	24	21	45	0
22,649	1977	8	24	22	0	0
22,650	1977	8	24	22	15	0
22,651	1977	8	24	22	30	0
22,652	1977	8	24	22	45	0
22,653	1977	8	24	23	0	0
22,654	1977	8	24	23	15	0
22,655	1977	8	24	23	30	0
22,656	1977	8	24	23	45	0
22,657	1977	8	25	0	0	0
22,658	1977	8	25	0	15	0
22,659	1977	8	25	0	30	0
22,660	1977	8	25	0	45	0
22,661	1977	8	25	1	0	0
22,662	1977	8	25	1	15	0
22,663	1977	8	25	1	30	0
22,664	1977	8	25	1	45	0
22,665	1977	8	25	2	0	0
22,666	1977	8	25	2	15	0
22,667	1977	8	25	2	30	0
22,668	1977	8	25	2	45	0
22,669	1977	8	25	3	0	0
22,670	1977	8	25	3	15	0
22,671	1977	8	25	3	30	0
22,672	1977	8	25	3	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
22,673	1977	8	25	4	0	0
22,674	1977	8	25	4	15	0
22,675	1977	8	25	4	30	0
22,676	1977	8	25	4	45	0
22,677	1977	8	25	5	0	0
22,678	1977	8	25	5	15	0
22,679	1977	8	25	5	30	0
22,680	1977	8	25	5	45	0
22,681	1977	8	25	6	0	0
22,682	1977	8	25	6	15	0
22,683	1977	8	25	6	30	0
22,684	1977	8	25	6	45	0
22,685	1977	8	25	7	0	0
22,686	1977	8	25	7	15	0
22,687	1977	8	25	7	30	0
22,688	1977	8	25	7	45	0
22,689	1977	8	25	8	0	0
22,690	1977	8	25	8	15	0
22,691	1977	8	25	8	30	0
22,692	1977	8	25	8	45	0
22,693	1977	8	25	9	0	0
22,694	1977	8	25	9	15	0
22,695	1977	8	25	9	30	0
22,696	1977	8	25	9	45	0
22,697	1977	8	25	10	0	0
22,698	1977	8	25	10	15	0
22,699	1977	8	25	10	30	0
22,700	1977	8	25	10	45	0
22,701	1977	8	25	11	0	0
22,702	1977	8	25	11	15	0
22,703	1977	8	25	11	30	0
22,704	1977	8	25	11	45	0
22,705	1977	8	25	12	0	0
22,706	1977	8	25	12	15	0
22,707	1977	8	25	12	30	0
22,708	1977	8	25	12	45	0
22,709	1977	8	25	13	0	0
22,710	1977	8	25	13	15	0
22,711	1977	8	25	13	30	0
22,712	1977	8	25	13	45	0
22,713	1977	8	25	14	0	0
22,714	1977	8	25	14	15	0
22,715	1977	8	25	14	30	0
22,716	1977	8	25	14	45	0
22,717	1977	8	25	15	0	0
22,718	1977	8	25	15	15	0
22,719	1977	8	25	15	30	0
22,720	1977	8	25	15	45	0
22,721	1977	8	25	16	0	0
22,722	1977	8	25	16	15	0
22,723	1977	8	25	16	30	0
22,724	1977	8	25	16	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
22,725	1977	8	25	17	0	0
22,726	1977	8	25	17	15	0
22,727	1977	8	25	17	30	0
22,728	1977	8	25	17	45	0
22,729	1977	8	25	18	0	0
22,730	1977	8	25	18	15	0
22,731	1977	8	25	18	30	0
22,732	1977	8	25	18	45	0
22,733	1977	8	25	19	0	0
22,734	1977	8	25	19	15	0
22,735	1977	8	25	19	30	0
22,736	1977	8	25	19	45	0
22,737	1977	8	25	20	0	0
22,738	1977	8	25	20	15	0
22,739	1977	8	25	20	30	0
22,740	1977	8	25	20	45	0
22,741	1977	8	25	21	0	0
22,742	1977	8	25	21	15	0
22,743	1977	8	25	21	30	0
22,744	1977	8	25	21	45	0
22,745	1977	8	25	22	0	0
22,746	1977	8	25	22	15	0
22,747	1977	8	25	22	30	0
22,748	1977	8	25	22	45	0
22,749	1977	8	25	23	0	0
22,750	1977	8	25	23	15	0
22,751	1977	8	25	23	30	0
22,752	1977	8	25	23	45	0
22,753	1977	8	26	0	0	0
22,754	1977	8	26	0	15	0
22,755	1977	8	26	0	30	0
22,756	1977	8	26	0	45	0
22,757	1977	8	26	1	0	0
22,758	1977	8	26	1	15	0
22,759	1977	8	26	1	30	0
22,760	1977	8	26	1	45	0
22,761	1977	8	26	2	0	0
22,762	1977	8	26	2	15	0
22,763	1977	8	26	2	30	0
22,764	1977	8	26	2	45	0
22,765	1977	8	26	3	0	0
22,766	1977	8	26	3	15	0
22,767	1977	8	26	3	30	0
22,768	1977	8	26	3	45	0
22,769	1977	8	26	4	0	0
22,770	1977	8	26	4	15	0
22,771	1977	8	26	4	30	0
22,772	1977	8	26	4	45	0
22,773	1977	8	26	5	0	0
22,774	1977	8	26	5	15	0
22,775	1977	8	26	5	30	0
22,776	1977	8	26	5	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
22,777	1977	8	26	6	0	0
22,778	1977	8	26	6	15	0
22,779	1977	8	26	6	30	0
22,780	1977	8	26	6	45	0
22,781	1977	8	26	7	0	0
22,782	1977	8	26	7	15	0
22,783	1977	8	26	7	30	0
22,784	1977	8	26	7	45	0
22,785	1977	8	26	8	0	0
22,786	1977	8	26	8	15	0
22,787	1977	8	26	8	30	0
22,788	1977	8	26	8	45	0
22,789	1977	8	26	9	0	0
22,790	1977	8	26	9	15	0
22,791	1977	8	26	9	30	0
22,792	1977	8	26	9	45	0
22,793	1977	8	26	10	0	0
22,794	1977	8	26	10	15	0
22,795	1977	8	26	10	30	0
22,796	1977	8	26	10	45	0
22,797	1977	8	26	11	0	0
22,798	1977	8	26	11	15	0
22,799	1977	8	26	11	30	0
22,800	1977	8	26	11	45	0
22,801	1977	8	26	12	0	0
22,802	1977	8	26	12	15	0
22,803	1977	8	26	12	30	0
22,804	1977	8	26	12	45	0
22,805	1977	8	26	13	0	0
22,806	1977	8	26	13	15	0
22,807	1977	8	26	13	30	0
22,808	1977	8	26	13	45	0
22,809	1977	8	26	14	0	0
22,810	1977	8	26	14	15	0
22,811	1977	8	26	14	30	0
22,812	1977	8	26	14	45	0
22,813	1977	8	26	15	0	0
22,814	1977	8	26	15	15	0
22,815	1977	8	26	15	30	0
22,816	1977	8	26	15	45	0
22,817	1977	8	26	16	0	0
22,818	1977	8	26	16	15	0
22,819	1977	8	26	16	30	0
22,820	1977	8	26	16	45	0
22,821	1977	8	26	17	0	0
22,822	1977	8	26	17	15	0
22,823	1977	8	26	17	30	0
22,824	1977	8	26	17	45	0
22,825	1977	8	26	18	0	0
22,826	1977	8	26	18	15	0
22,827	1977	8	26	18	30	0
22,828	1977	8	26	18	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
22,829	1977	8	26	19	0	0
22,830	1977	8	26	19	15	0
22,831	1977	8	26	19	30	0
22,832	1977	8	26	19	45	0
22,833	1977	8	26	20	0	0
22,834	1977	8	26	20	15	0
22,835	1977	8	26	20	30	0
22,836	1977	8	26	20	45	0
22,837	1977	8	26	21	0	0
22,838	1977	8	26	21	15	0
22,839	1977	8	26	21	30	0
22,840	1977	8	26	21	45	0
22,841	1977	8	26	22	0	0
22,842	1977	8	26	22	15	0
22,843	1977	8	26	22	30	0
22,844	1977	8	26	22	45	0
22,845	1977	8	26	23	0	0
22,846	1977	8	26	23	15	0
22,847	1977	8	26	23	30	0
22,848	1977	8	26	23	45	0
22,849	1977	8	27	0	0	0
22,850	1977	8	27	0	15	0
22,851	1977	8	27	0	30	0
22,852	1977	8	27	0	45	0
22,853	1977	8	27	1	0	0
22,854	1977	8	27	1	15	0
22,855	1977	8	27	1	30	0
22,856	1977	8	27	1	45	0
22,857	1977	8	27	2	0	0
22,858	1977	8	27	2	15	0
22,859	1977	8	27	2	30	0
22,860	1977	8	27	2	45	0
22,861	1977	8	27	3	0	0
22,862	1977	8	27	3	15	0
22,863	1977	8	27	3	30	0
22,864	1977	8	27	3	45	0
22,865	1977	8	27	4	0	0
22,866	1977	8	27	4	15	0
22,867	1977	8	27	4	30	0
22,868	1977	8	27	4	45	0
22,869	1977	8	27	5	0	0
22,870	1977	8	27	5	15	0
22,871	1977	8	27	5	30	0
22,872	1977	8	27	5	45	0
22,873	1977	8	27	6	0	0
22,874	1977	8	27	6	15	0
22,875	1977	8	27	6	30	0
22,876	1977	8	27	6	45	0
22,877	1977	8	27	7	0	0
22,878	1977	8	27	7	15	0
22,879	1977	8	27	7	30	0
22,880	1977	8	27	7	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
22,881	1977	8	27	8	0	0
22,882	1977	8	27	8	15	0
22,883	1977	8	27	8	30	0
22,884	1977	8	27	8	45	0
22,885	1977	8	27	9	0	0
22,886	1977	8	27	9	15	0
22,887	1977	8	27	9	30	0
22,888	1977	8	27	9	45	0
22,889	1977	8	27	10	0	0
22,890	1977	8	27	10	15	0
22,891	1977	8	27	10	30	0
22,892	1977	8	27	10	45	0
22,893	1977	8	27	11	0	0
22,894	1977	8	27	11	15	0
22,895	1977	8	27	11	30	0
22,896	1977	8	27	11	45	0
22,897	1977	8	27	12	0	0
22,898	1977	8	27	12	15	0
22,899	1977	8	27	12	30	0
22,900	1977	8	27	12	45	0
22,901	1977	8	27	13	0	0
22,902	1977	8	27	13	15	0
22,903	1977	8	27	13	30	0
22,904	1977	8	27	13	45	0
22,905	1977	8	27	14	0	0
22,906	1977	8	27	14	15	0
22,907	1977	8	27	14	30	0
22,908	1977	8	27	14	45	0
22,909	1977	8	27	15	0	0
22,910	1977	8	27	15	15	0
22,911	1977	8	27	15	30	0
22,912	1977	8	27	15	45	0
22,913	1977	8	27	16	0	0
22,914	1977	8	27	16	15	0
22,915	1977	8	27	16	30	0
22,916	1977	8	27	16	45	0
22,917	1977	8	27	17	0	0
22,918	1977	8	27	17	15	0
22,919	1977	8	27	17	30	0
22,920	1977	8	27	17	45	0
22,921	1977	8	27	18	0	0
22,922	1977	8	27	18	15	0
22,923	1977	8	27	18	30	0
22,924	1977	8	27	18	45	0
22,925	1977	8	27	19	0	0
22,926	1977	8	27	19	15	0
22,927	1977	8	27	19	30	0
22,928	1977	8	27	19	45	0
22,929	1977	8	27	20	0	0
22,930	1977	8	27	20	15	0
22,931	1977	8	27	20	30	0
22,932	1977	8	27	20	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
22,933	1977	8	27	21	0	0
22,934	1977	8	27	21	15	0
22,935	1977	8	27	21	30	0
22,936	1977	8	27	21	45	0
22,937	1977	8	27	22	0	0
22,938	1977	8	27	22	15	0
22,939	1977	8	27	22	30	0
22,940	1977	8	27	22	45	0
22,941	1977	8	27	23	0	0
22,942	1977	8	27	23	15	0
22,943	1977	8	27	23	30	0
22,944	1977	8	27	23	45	0
22,945	1977	8	28	0	0	0
22,946	1977	8	28	0	15	0
22,947	1977	8	28	0	30	0
22,948	1977	8	28	0	45	0
22,949	1977	8	28	1	0	0
22,950	1977	8	28	1	15	0
22,951	1977	8	28	1	30	0
22,952	1977	8	28	1	45	0
22,953	1977	8	28	2	0	0
22,954	1977	8	28	2	15	0
22,955	1977	8	28	2	30	0
22,956	1977	8	28	2	45	0
22,957	1977	8	28	3	0	0
22,958	1977	8	28	3	15	0
22,959	1977	8	28	3	30	0
22,960	1977	8	28	3	45	0
22,961	1977	8	28	4	0	0
22,962	1977	8	28	4	15	0
22,963	1977	8	28	4	30	0
22,964	1977	8	28	4	45	0
22,965	1977	8	28	5	0	0
22,966	1977	8	28	5	15	0
22,967	1977	8	28	5	30	0
22,968	1977	8	28	5	45	0
22,969	1977	8	28	6	0	0
22,970	1977	8	28	6	15	0
22,971	1977	8	28	6	30	0
22,972	1977	8	28	6	45	0
22,973	1977	8	28	7	0	0
22,974	1977	8	28	7	15	0
22,975	1977	8	28	7	30	0
22,976	1977	8	28	7	45	0
22,977	1977	8	28	8	0	0
22,978	1977	8	28	8	15	0
22,979	1977	8	28	8	30	0
22,980	1977	8	28	8	45	0
22,981	1977	8	28	9	0	0
22,982	1977	8	28	9	15	0
22,983	1977	8	28	9	30	0
22,984	1977	8	28	9	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
22,985	1977	8	28	10	0	0
22,986	1977	8	28	10	15	0
22,987	1977	8	28	10	30	0
22,988	1977	8	28	10	45	0
22,989	1977	8	28	11	0	0
22,990	1977	8	28	11	15	0
22,991	1977	8	28	11	30	0
22,992	1977	8	28	11	45	0
22,993	1977	8	28	12	0	0
22,994	1977	8	28	12	15	0
22,995	1977	8	28	12	30	0
22,996	1977	8	28	12	45	0
22,997	1977	8	28	13	0	0
22,998	1977	8	28	13	15	0
22,999	1977	8	28	13	30	0
23,000	1977	8	28	13	45	0
23,001	1977	8	28	14	0	0
23,002	1977	8	28	14	15	0
23,003	1977	8	28	14	30	0
23,004	1977	8	28	14	45	0
23,005	1977	8	28	15	0	0
23,006	1977	8	28	15	15	0
23,007	1977	8	28	15	30	0
23,008	1977	8	28	15	45	0
23,009	1977	8	28	16	0	0
23,010	1977	8	28	16	15	0
23,011	1977	8	28	16	30	0
23,012	1977	8	28	16	45	0
23,013	1977	8	28	17	0	0
23,014	1977	8	28	17	15	0
23,015	1977	8	28	17	30	0
23,016	1977	8	28	17	45	0
23,017	1977	8	28	18	0	0
23,018	1977	8	28	18	15	0
23,019	1977	8	28	18	30	0
23,020	1977	8	28	18	45	0
23,021	1977	8	28	19	0	0
23,022	1977	8	28	19	15	0
23,023	1977	8	28	19	30	0
23,024	1977	8	28	19	45	0
23,025	1977	8	28	20	0	0
23,026	1977	8	28	20	15	0
23,027	1977	8	28	20	30	0
23,028	1977	8	28	20	45	0
23,029	1977	8	28	21	0	0
23,030	1977	8	28	21	15	0
23,031	1977	8	28	21	30	0
23,032	1977	8	28	21	45	0
23,033	1977	8	28	22	0	0
23,034	1977	8	28	22	15	0
23,035	1977	8	28	22	30	0
23,036	1977	8	28	22	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
23,037	1977	8	28	23	0	0
23,038	1977	8	28	23	15	0
23,039	1977	8	28	23	30	0
23,040	1977	8	28	23	45	0
23,041	1977	8	29	0	0	0
23,042	1977	8	29	0	15	0
23,043	1977	8	29	0	30	0
23,044	1977	8	29	0	45	0
23,045	1977	8	29	1	0	0
23,046	1977	8	29	1	15	0
23,047	1977	8	29	1	30	0
23,048	1977	8	29	1	45	0
23,049	1977	8	29	2	0	0
23,050	1977	8	29	2	15	0
23,051	1977	8	29	2	30	0
23,052	1977	8	29	2	45	0
23,053	1977	8	29	3	0	0
23,054	1977	8	29	3	15	0
23,055	1977	8	29	3	30	0
23,056	1977	8	29	3	45	0
23,057	1977	8	29	4	0	0
23,058	1977	8	29	4	15	0
23,059	1977	8	29	4	30	0
23,060	1977	8	29	4	45	0
23,061	1977	8	29	5	0	0
23,062	1977	8	29	5	15	0
23,063	1977	8	29	5	30	0
23,064	1977	8	29	5	45	0
23,065	1977	8	29	6	0	0
23,066	1977	8	29	6	15	0
23,067	1977	8	29	6	30	0
23,068	1977	8	29	6	45	0
23,069	1977	8	29	7	0	0
23,070	1977	8	29	7	15	0
23,071	1977	8	29	7	30	0
23,072	1977	8	29	7	45	0
23,073	1977	8	29	8	0	0
23,074	1977	8	29	8	15	0
23,075	1977	8	29	8	30	0
23,076	1977	8	29	8	45	0
23,077	1977	8	29	9	0	0
23,078	1977	8	29	9	15	0
23,079	1977	8	29	9	30	0
23,080	1977	8	29	9	45	0
23,081	1977	8	29	10	0	0
23,082	1977	8	29	10	15	0
23,083	1977	8	29	10	30	0
23,084	1977	8	29	10	45	0
23,085	1977	8	29	11	0	0
23,086	1977	8	29	11	15	0
23,087	1977	8	29	11	30	0
23,088	1977	8	29	11	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
23,089	1977	8	29	12	0	0
23,090	1977	8	29	12	15	0
23,091	1977	8	29	12	30	0
23,092	1977	8	29	12	45	0
23,093	1977	8	29	13	0	0
23,094	1977	8	29	13	15	0
23,095	1977	8	29	13	30	0
23,096	1977	8	29	13	45	0
23,097	1977	8	29	14	0	0.025
23,098	1977	8	29	14	15	0.025
23,099	1977	8	29	14	30	0.025
23,100	1977	8	29	14	45	0.025
23,101	1977	8	29	15	0	0
23,102	1977	8	29	15	15	0
23,103	1977	8	29	15	30	0
23,104	1977	8	29	15	45	0
23,105	1977	8	29	16	0	0
23,106	1977	8	29	16	15	0
23,107	1977	8	29	16	30	0
23,108	1977	8	29	16	45	0
23,109	1977	8	29	17	0	0
23,110	1977	8	29	17	15	0
23,111	1977	8	29	17	30	0
23,112	1977	8	29	17	45	0
23,113	1977	8	29	18	0	0.01
23,114	1977	8	29	18	15	0.01
23,115	1977	8	29	18	30	0.01
23,116	1977	8	29	18	45	0.01
23,117	1977	8	29	19	0	0
23,118	1977	8	29	19	15	0
23,119	1977	8	29	19	30	0
23,120	1977	8	29	19	45	0
23,121	1977	8	29	20	0	0
23,122	1977	8	29	20	15	0
23,123	1977	8	29	20	30	0
23,124	1977	8	29	20	45	0
23,125	1977	8	29	21	0	0
23,126	1977	8	29	21	15	0
23,127	1977	8	29	21	30	0
23,128	1977	8	29	21	45	0
23,129	1977	8	29	22	0	0
23,130	1977	8	29	22	15	0
23,131	1977	8	29	22	30	0
23,132	1977	8	29	22	45	0
23,133	1977	8	29	23	0	0
23,134	1977	8	29	23	15	0
23,135	1977	8	29	23	30	0
23,136	1977	8	29	23	45	0
23,137	1977	8	30	0	0	0
23,138	1977	8	30	0	15	0
23,139	1977	8	30	0	30	0
23,140	1977	8	30	0	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
23,141	1977	8	30	1	0	0
23,142	1977	8	30	1	15	0
23,143	1977	8	30	1	30	0
23,144	1977	8	30	1	45	0
23,145	1977	8	30	2	0	0
23,146	1977	8	30	2	15	0
23,147	1977	8	30	2	30	0
23,148	1977	8	30	2	45	0
23,149	1977	8	30	3	0	0
23,150	1977	8	30	3	15	0
23,151	1977	8	30	3	30	0
23,152	1977	8	30	3	45	0
23,153	1977	8	30	4	0	0
23,154	1977	8	30	4	15	0
23,155	1977	8	30	4	30	0
23,156	1977	8	30	4	45	0
23,157	1977	8	30	5	0	0
23,158	1977	8	30	5	15	0
23,159	1977	8	30	5	30	0
23,160	1977	8	30	5	45	0
23,161	1977	8	30	6	0	0
23,162	1977	8	30	6	15	0
23,163	1977	8	30	6	30	0
23,164	1977	8	30	6	45	0
23,165	1977	8	30	7	0	0
23,166	1977	8	30	7	15	0
23,167	1977	8	30	7	30	0
23,168	1977	8	30	7	45	0
23,169	1977	8	30	8	0	0
23,170	1977	8	30	8	15	0
23,171	1977	8	30	8	30	0
23,172	1977	8	30	8	45	0
23,173	1977	8	30	9	0	0
23,174	1977	8	30	9	15	0
23,175	1977	8	30	9	30	0
23,176	1977	8	30	9	45	0
23,177	1977	8	30	10	0	0
23,178	1977	8	30	10	15	0
23,179	1977	8	30	10	30	0
23,180	1977	8	30	10	45	0
23,181	1977	8	30	11	0	0
23,182	1977	8	30	11	15	0
23,183	1977	8	30	11	30	0
23,184	1977	8	30	11	45	0
23,185	1977	8	30	12	0	0
23,186	1977	8	30	12	15	0
23,187	1977	8	30	12	30	0
23,188	1977	8	30	12	45	0
23,189	1977	8	30	13	0	0
23,190	1977	8	30	13	15	0
23,191	1977	8	30	13	30	0
23,192	1977	8	30	13	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
23,193	1977	8	30	14	0	0
23,194	1977	8	30	14	15	0
23,195	1977	8	30	14	30	0
23,196	1977	8	30	14	45	0
23,197	1977	8	30	15	0	0
23,198	1977	8	30	15	15	0
23,199	1977	8	30	15	30	0
23,200	1977	8	30	15	45	0
23,201	1977	8	30	16	0	0
23,202	1977	8	30	16	15	0
23,203	1977	8	30	16	30	0
23,204	1977	8	30	16	45	0
23,205	1977	8	30	17	0	0
23,206	1977	8	30	17	15	0
23,207	1977	8	30	17	30	0
23,208	1977	8	30	17	45	0
23,209	1977	8	30	18	0	0
23,210	1977	8	30	18	15	0
23,211	1977	8	30	18	30	0
23,212	1977	8	30	18	45	0
23,213	1977	8	30	19	0	0
23,214	1977	8	30	19	15	0
23,215	1977	8	30	19	30	0
23,216	1977	8	30	19	45	0
23,217	1977	8	30	20	0	0
23,218	1977	8	30	20	15	0
23,219	1977	8	30	20	30	0
23,220	1977	8	30	20	45	0
23,221	1977	8	30	21	0	0
23,222	1977	8	30	21	15	0
23,223	1977	8	30	21	30	0
23,224	1977	8	30	21	45	0
23,225	1977	8	30	22	0	0
23,226	1977	8	30	22	15	0
23,227	1977	8	30	22	30	0
23,228	1977	8	30	22	45	0
23,229	1977	8	30	23	0	0
23,230	1977	8	30	23	15	0
23,231	1977	8	30	23	30	0
23,232	1977	8	30	23	45	0
23,233	1977	8	31	0	0	0
23,234	1977	8	31	0	15	0
23,235	1977	8	31	0	30	0
23,236	1977	8	31	0	45	0
23,237	1977	8	31	1	0	0
23,238	1977	8	31	1	15	0
23,239	1977	8	31	1	30	0
23,240	1977	8	31	1	45	0
23,241	1977	8	31	2	0	0
23,242	1977	8	31	2	15	0
23,243	1977	8	31	2	30	0
23,244	1977	8	31	2	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
23,245	1977	8	31	3	0	0
23,246	1977	8	31	3	15	0
23,247	1977	8	31	3	30	0
23,248	1977	8	31	3	45	0
23,249	1977	8	31	4	0	0
23,250	1977	8	31	4	15	0
23,251	1977	8	31	4	30	0
23,252	1977	8	31	4	45	0
23,253	1977	8	31	5	0	0
23,254	1977	8	31	5	15	0
23,255	1977	8	31	5	30	0
23,256	1977	8	31	5	45	0
23,257	1977	8	31	6	0	0
23,258	1977	8	31	6	15	0
23,259	1977	8	31	6	30	0
23,260	1977	8	31	6	45	0
23,261	1977	8	31	7	0	0
23,262	1977	8	31	7	15	0
23,263	1977	8	31	7	30	0
23,264	1977	8	31	7	45	0
23,265	1977	8	31	8	0	0
23,266	1977	8	31	8	15	0
23,267	1977	8	31	8	30	0
23,268	1977	8	31	8	45	0
23,269	1977	8	31	9	0	0
23,270	1977	8	31	9	15	0
23,271	1977	8	31	9	30	0
23,272	1977	8	31	9	45	0
23,273	1977	8	31	10	0	0
23,274	1977	8	31	10	15	0
23,275	1977	8	31	10	30	0
23,276	1977	8	31	10	45	0
23,277	1977	8	31	11	0	0
23,278	1977	8	31	11	15	0
23,279	1977	8	31	11	30	0
23,280	1977	8	31	11	45	0
23,281	1977	8	31	12	0	0
23,282	1977	8	31	12	15	0
23,283	1977	8	31	12	30	0
23,284	1977	8	31	12	45	0
23,285	1977	8	31	13	0	0
23,286	1977	8	31	13	15	0
23,287	1977	8	31	13	30	0
23,288	1977	8	31	13	45	0
23,289	1977	8	31	14	0	0
23,290	1977	8	31	14	15	0
23,291	1977	8	31	14	30	0
23,292	1977	8	31	14	45	0
23,293	1977	8	31	15	0	0
23,294	1977	8	31	15	15	0
23,295	1977	8	31	15	30	0
23,296	1977	8	31	15	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
23,297	1977	8	31	16	0	0
23,298	1977	8	31	16	15	0
23,299	1977	8	31	16	30	0
23,300	1977	8	31	16	45	0
23,301	1977	8	31	17	0	0
23,302	1977	8	31	17	15	0
23,303	1977	8	31	17	30	0
23,304	1977	8	31	17	45	0
23,305	1977	8	31	18	0	0
23,306	1977	8	31	18	15	0
23,307	1977	8	31	18	30	0
23,308	1977	8	31	18	45	0
23,309	1977	8	31	19	0	0
23,310	1977	8	31	19	15	0
23,311	1977	8	31	19	30	0
23,312	1977	8	31	19	45	0
23,313	1977	8	31	20	0	0
23,314	1977	8	31	20	15	0
23,315	1977	8	31	20	30	0
23,316	1977	8	31	20	45	0
23,317	1977	8	31	21	0	0
23,318	1977	8	31	21	15	0
23,319	1977	8	31	21	30	0
23,320	1977	8	31	21	45	0
23,321	1977	8	31	22	0	0
23,322	1977	8	31	22	15	0
23,323	1977	8	31	22	30	0
23,324	1977	8	31	22	45	0
23,325	1977	8	31	23	0	0
23,326	1977	8	31	23	15	0
23,327	1977	8	31	23	30	0
23,328	1977	8	31	23	45	0
23,329	1977	9	1	0	0	0
23,330	1977	9	1	0	15	0
23,331	1977	9	1	0	30	0
23,332	1977	9	1	0	45	0
23,333	1977	9	1	1	0	0
23,334	1977	9	1	1	15	0
23,335	1977	9	1	1	30	0
23,336	1977	9	1	1	45	0
23,337	1977	9	1	2	0	0
23,338	1977	9	1	2	15	0
23,339	1977	9	1	2	30	0
23,340	1977	9	1	2	45	0
23,341	1977	9	1	3	0	0
23,342	1977	9	1	3	15	0
23,343	1977	9	1	3	30	0
23,344	1977	9	1	3	45	0
23,345	1977	9	1	4	0	0
23,346	1977	9	1	4	15	0
23,347	1977	9	1	4	30	0
23,348	1977	9	1	4	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
23,349	1977	9	1	5	0	0
23,350	1977	9	1	5	15	0
23,351	1977	9	1	5	30	0
23,352	1977	9	1	5	45	0
23,353	1977	9	1	6	0	0
23,354	1977	9	1	6	15	0
23,355	1977	9	1	6	30	0
23,356	1977	9	1	6	45	0
23,357	1977	9	1	7	0	0
23,358	1977	9	1	7	15	0
23,359	1977	9	1	7	30	0
23,360	1977	9	1	7	45	0
23,361	1977	9	1	8	0	0
23,362	1977	9	1	8	15	0
23,363	1977	9	1	8	30	0
23,364	1977	9	1	8	45	0
23,365	1977	9	1	9	0	0
23,366	1977	9	1	9	15	0
23,367	1977	9	1	9	30	0
23,368	1977	9	1	9	45	0
23,369	1977	9	1	10	0	0
23,370	1977	9	1	10	15	0
23,371	1977	9	1	10	30	0
23,372	1977	9	1	10	45	0
23,373	1977	9	1	11	0	0
23,374	1977	9	1	11	15	0
23,375	1977	9	1	11	30	0
23,376	1977	9	1	11	45	0
23,377	1977	9	1	12	0	0
23,378	1977	9	1	12	15	0
23,379	1977	9	1	12	30	0
23,380	1977	9	1	12	45	0
23,381	1977	9	1	13	0	0
23,382	1977	9	1	13	15	0
23,383	1977	9	1	13	30	0
23,384	1977	9	1	13	45	0
23,385	1977	9	1	14	0	0
23,386	1977	9	1	14	15	0
23,387	1977	9	1	14	30	0
23,388	1977	9	1	14	45	0
23,389	1977	9	1	15	0	0
23,390	1977	9	1	15	15	0
23,391	1977	9	1	15	30	0
23,392	1977	9	1	15	45	0
23,393	1977	9	1	16	0	0
23,394	1977	9	1	16	15	0
23,395	1977	9	1	16	30	0
23,396	1977	9	1	16	45	0
23,397	1977	9	1	17	0	0
23,398	1977	9	1	17	15	0
23,399	1977	9	1	17	30	0
23,400	1977	9	1	17	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
23,401	1977	9	1	18	0	0
23,402	1977	9	1	18	15	0
23,403	1977	9	1	18	30	0
23,404	1977	9	1	18	45	0
23,405	1977	9	1	19	0	0
23,406	1977	9	1	19	15	0
23,407	1977	9	1	19	30	0
23,408	1977	9	1	19	45	0
23,409	1977	9	1	20	0	0
23,410	1977	9	1	20	15	0
23,411	1977	9	1	20	30	0
23,412	1977	9	1	20	45	0
23,413	1977	9	1	21	0	0
23,414	1977	9	1	21	15	0
23,415	1977	9	1	21	30	0
23,416	1977	9	1	21	45	0
23,417	1977	9	1	22	0	0
23,418	1977	9	1	22	15	0
23,419	1977	9	1	22	30	0
23,420	1977	9	1	22	45	0
23,421	1977	9	1	23	0	0
23,422	1977	9	1	23	15	0
23,423	1977	9	1	23	30	0
23,424	1977	9	1	23	45	0
23,425	1977	9	2	0	0	0
23,426	1977	9	2	0	15	0
23,427	1977	9	2	0	30	0
23,428	1977	9	2	0	45	0
23,429	1977	9	2	1	0	0
23,430	1977	9	2	1	15	0
23,431	1977	9	2	1	30	0
23,432	1977	9	2	1	45	0
23,433	1977	9	2	2	0	0
23,434	1977	9	2	2	15	0
23,435	1977	9	2	2	30	0
23,436	1977	9	2	2	45	0
23,437	1977	9	2	3	0	0
23,438	1977	9	2	3	15	0
23,439	1977	9	2	3	30	0
23,440	1977	9	2	3	45	0
23,441	1977	9	2	4	0	0
23,442	1977	9	2	4	15	0
23,443	1977	9	2	4	30	0
23,444	1977	9	2	4	45	0
23,445	1977	9	2	5	0	0
23,446	1977	9	2	5	15	0
23,447	1977	9	2	5	30	0
23,448	1977	9	2	5	45	0
23,449	1977	9	2	6	0	0
23,450	1977	9	2	6	15	0
23,451	1977	9	2	6	30	0
23,452	1977	9	2	6	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
23,453	1977	9	2	7	0	0
23,454	1977	9	2	7	15	0
23,455	1977	9	2	7	30	0
23,456	1977	9	2	7	45	0
23,457	1977	9	2	8	0	0
23,458	1977	9	2	8	15	0
23,459	1977	9	2	8	30	0
23,460	1977	9	2	8	45	0
23,461	1977	9	2	9	0	0
23,462	1977	9	2	9	15	0
23,463	1977	9	2	9	30	0
23,464	1977	9	2	9	45	0
23,465	1977	9	2	10	0	0
23,466	1977	9	2	10	15	0
23,467	1977	9	2	10	30	0
23,468	1977	9	2	10	45	0
23,469	1977	9	2	11	0	0
23,470	1977	9	2	11	15	0
23,471	1977	9	2	11	30	0
23,472	1977	9	2	11	45	0
23,473	1977	9	2	12	0	0
23,474	1977	9	2	12	15	0
23,475	1977	9	2	12	30	0
23,476	1977	9	2	12	45	0
23,477	1977	9	2	13	0	0
23,478	1977	9	2	13	15	0
23,479	1977	9	2	13	30	0
23,480	1977	9	2	13	45	0
23,481	1977	9	2	14	0	0
23,482	1977	9	2	14	15	0
23,483	1977	9	2	14	30	0
23,484	1977	9	2	14	45	0
23,485	1977	9	2	15	0	0
23,486	1977	9	2	15	15	0
23,487	1977	9	2	15	30	0
23,488	1977	9	2	15	45	0
23,489	1977	9	2	16	0	0
23,490	1977	9	2	16	15	0
23,491	1977	9	2	16	30	0
23,492	1977	9	2	16	45	0
23,493	1977	9	2	17	0	0
23,494	1977	9	2	17	15	0
23,495	1977	9	2	17	30	0
23,496	1977	9	2	17	45	0
23,497	1977	9	2	18	0	0
23,498	1977	9	2	18	15	0
23,499	1977	9	2	18	30	0
23,500	1977	9	2	18	45	0
23,501	1977	9	2	19	0	0
23,502	1977	9	2	19	15	0
23,503	1977	9	2	19	30	0
23,504	1977	9	2	19	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
23,505	1977	9	2	20	0	0
23,506	1977	9	2	20	15	0
23,507	1977	9	2	20	30	0
23,508	1977	9	2	20	45	0
23,509	1977	9	2	21	0	0
23,510	1977	9	2	21	15	0
23,511	1977	9	2	21	30	0
23,512	1977	9	2	21	45	0
23,513	1977	9	2	22	0	0
23,514	1977	9	2	22	15	0
23,515	1977	9	2	22	30	0
23,516	1977	9	2	22	45	0
23,517	1977	9	2	23	0	0
23,518	1977	9	2	23	15	0
23,519	1977	9	2	23	30	0
23,520	1977	9	2	23	45	0
23,521	1977	9	3	0	0	0
23,522	1977	9	3	0	15	0
23,523	1977	9	3	0	30	0
23,524	1977	9	3	0	45	0
23,525	1977	9	3	1	0	0
23,526	1977	9	3	1	15	0
23,527	1977	9	3	1	30	0
23,528	1977	9	3	1	45	0
23,529	1977	9	3	2	0	0
23,530	1977	9	3	2	15	0
23,531	1977	9	3	2	30	0
23,532	1977	9	3	2	45	0
23,533	1977	9	3	3	0	0
23,534	1977	9	3	3	15	0
23,535	1977	9	3	3	30	0
23,536	1977	9	3	3	45	0
23,537	1977	9	3	4	0	0.0025
23,538	1977	9	3	4	15	0.0025
23,539	1977	9	3	4	30	0.0025
23,540	1977	9	3	4	45	0.0025
23,541	1977	9	3	5	0	0
23,542	1977	9	3	5	15	0
23,543	1977	9	3	5	30	0
23,544	1977	9	3	5	45	0
23,545	1977	9	3	6	0	0
23,546	1977	9	3	6	15	0
23,547	1977	9	3	6	30	0
23,548	1977	9	3	6	45	0
23,549	1977	9	3	7	0	0
23,550	1977	9	3	7	15	0
23,551	1977	9	3	7	30	0
23,552	1977	9	3	7	45	0
23,553	1977	9	3	8	0	0
23,554	1977	9	3	8	15	0
23,555	1977	9	3	8	30	0
23,556	1977	9	3	8	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
23,557	1977	9	3	9	0	0
23,558	1977	9	3	9	15	0
23,559	1977	9	3	9	30	0
23,560	1977	9	3	9	45	0
23,561	1977	9	3	10	0	0
23,562	1977	9	3	10	15	0
23,563	1977	9	3	10	30	0
23,564	1977	9	3	10	45	0
23,565	1977	9	3	11	0	0
23,566	1977	9	3	11	15	0
23,567	1977	9	3	11	30	0
23,568	1977	9	3	11	45	0
23,569	1977	9	3	12	0	0
23,570	1977	9	3	12	15	0
23,571	1977	9	3	12	30	0
23,572	1977	9	3	12	45	0
23,573	1977	9	3	13	0	0
23,574	1977	9	3	13	15	0
23,575	1977	9	3	13	30	0
23,576	1977	9	3	13	45	0
23,577	1977	9	3	14	0	0
23,578	1977	9	3	14	15	0
23,579	1977	9	3	14	30	0
23,580	1977	9	3	14	45	0
23,581	1977	9	3	15	0	0
23,582	1977	9	3	15	15	0
23,583	1977	9	3	15	30	0
23,584	1977	9	3	15	45	0
23,585	1977	9	3	16	0	0
23,586	1977	9	3	16	15	0
23,587	1977	9	3	16	30	0
23,588	1977	9	3	16	45	0
23,589	1977	9	3	17	0	0
23,590	1977	9	3	17	15	0
23,591	1977	9	3	17	30	0
23,592	1977	9	3	17	45	0
23,593	1977	9	3	18	0	0
23,594	1977	9	3	18	15	0
23,595	1977	9	3	18	30	0
23,596	1977	9	3	18	45	0
23,597	1977	9	3	19	0	0
23,598	1977	9	3	19	15	0
23,599	1977	9	3	19	30	0
23,600	1977	9	3	19	45	0
23,601	1977	9	3	20	0	0
23,602	1977	9	3	20	15	0
23,603	1977	9	3	20	30	0
23,604	1977	9	3	20	45	0
23,605	1977	9	3	21	0	0
23,606	1977	9	3	21	15	0
23,607	1977	9	3	21	30	0
23,608	1977	9	3	21	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
23,609	1977	9	3	22	0	0
23,610	1977	9	3	22	15	0
23,611	1977	9	3	22	30	0
23,612	1977	9	3	22	45	0
23,613	1977	9	3	23	0	0
23,614	1977	9	3	23	15	0
23,615	1977	9	3	23	30	0
23,616	1977	9	3	23	45	0
23,617	1977	9	4	0	0	0
23,618	1977	9	4	0	15	0
23,619	1977	9	4	0	30	0
23,620	1977	9	4	0	45	0
23,621	1977	9	4	1	0	0
23,622	1977	9	4	1	15	0
23,623	1977	9	4	1	30	0
23,624	1977	9	4	1	45	0
23,625	1977	9	4	2	0	0
23,626	1977	9	4	2	15	0
23,627	1977	9	4	2	30	0
23,628	1977	9	4	2	45	0
23,629	1977	9	4	3	0	0
23,630	1977	9	4	3	15	0
23,631	1977	9	4	3	30	0
23,632	1977	9	4	3	45	0
23,633	1977	9	4	4	0	0
23,634	1977	9	4	4	15	0
23,635	1977	9	4	4	30	0
23,636	1977	9	4	4	45	0
23,637	1977	9	4	5	0	0
23,638	1977	9	4	5	15	0
23,639	1977	9	4	5	30	0
23,640	1977	9	4	5	45	0
23,641	1977	9	4	6	0	0
23,642	1977	9	4	6	15	0
23,643	1977	9	4	6	30	0
23,644	1977	9	4	6	45	0
23,645	1977	9	4	7	0	0
23,646	1977	9	4	7	15	0
23,647	1977	9	4	7	30	0
23,648	1977	9	4	7	45	0
23,649	1977	9	4	8	0	0
23,650	1977	9	4	8	15	0
23,651	1977	9	4	8	30	0
23,652	1977	9	4	8	45	0
23,653	1977	9	4	9	0	0
23,654	1977	9	4	9	15	0
23,655	1977	9	4	9	30	0
23,656	1977	9	4	9	45	0
23,657	1977	9	4	10	0	0
23,658	1977	9	4	10	15	0
23,659	1977	9	4	10	30	0
23,660	1977	9	4	10	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
23,661	1977	9	4	11	0	0
23,662	1977	9	4	11	15	0
23,663	1977	9	4	11	30	0
23,664	1977	9	4	11	45	0
23,665	1977	9	4	12	0	0
23,666	1977	9	4	12	15	0
23,667	1977	9	4	12	30	0
23,668	1977	9	4	12	45	0
23,669	1977	9	4	13	0	0
23,670	1977	9	4	13	15	0
23,671	1977	9	4	13	30	0
23,672	1977	9	4	13	45	0
23,673	1977	9	4	14	0	0
23,674	1977	9	4	14	15	0
23,675	1977	9	4	14	30	0
23,676	1977	9	4	14	45	0
23,677	1977	9	4	15	0	0
23,678	1977	9	4	15	15	0
23,679	1977	9	4	15	30	0
23,680	1977	9	4	15	45	0
23,681	1977	9	4	16	0	0
23,682	1977	9	4	16	15	0
23,683	1977	9	4	16	30	0
23,684	1977	9	4	16	45	0
23,685	1977	9	4	17	0	0
23,686	1977	9	4	17	15	0
23,687	1977	9	4	17	30	0
23,688	1977	9	4	17	45	0
23,689	1977	9	4	18	0	0
23,690	1977	9	4	18	15	0
23,691	1977	9	4	18	30	0
23,692	1977	9	4	18	45	0
23,693	1977	9	4	19	0	0
23,694	1977	9	4	19	15	0
23,695	1977	9	4	19	30	0
23,696	1977	9	4	19	45	0
23,697	1977	9	4	20	0	0
23,698	1977	9	4	20	15	0
23,699	1977	9	4	20	30	0
23,700	1977	9	4	20	45	0
23,701	1977	9	4	21	0	0
23,702	1977	9	4	21	15	0
23,703	1977	9	4	21	30	0
23,704	1977	9	4	21	45	0
23,705	1977	9	4	22	0	0
23,706	1977	9	4	22	15	0
23,707	1977	9	4	22	30	0
23,708	1977	9	4	22	45	0
23,709	1977	9	4	23	0	0
23,710	1977	9	4	23	15	0
23,711	1977	9	4	23	30	0
23,712	1977	9	4	23	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
23,713	1977	9	5	0	0	0
23,714	1977	9	5	0	15	0
23,715	1977	9	5	0	30	0
23,716	1977	9	5	0	45	0
23,717	1977	9	5	1	0	0
23,718	1977	9	5	1	15	0
23,719	1977	9	5	1	30	0
23,720	1977	9	5	1	45	0
23,721	1977	9	5	2	0	0
23,722	1977	9	5	2	15	0
23,723	1977	9	5	2	30	0
23,724	1977	9	5	2	45	0
23,725	1977	9	5	3	0	0
23,726	1977	9	5	3	15	0
23,727	1977	9	5	3	30	0
23,728	1977	9	5	3	45	0
23,729	1977	9	5	4	0	0
23,730	1977	9	5	4	15	0
23,731	1977	9	5	4	30	0
23,732	1977	9	5	4	45	0
23,733	1977	9	5	5	0	0
23,734	1977	9	5	5	15	0
23,735	1977	9	5	5	30	0
23,736	1977	9	5	5	45	0
23,737	1977	9	5	6	0	0
23,738	1977	9	5	6	15	0
23,739	1977	9	5	6	30	0
23,740	1977	9	5	6	45	0
23,741	1977	9	5	7	0	0
23,742	1977	9	5	7	15	0
23,743	1977	9	5	7	30	0
23,744	1977	9	5	7	45	0
23,745	1977	9	5	8	0	0
23,746	1977	9	5	8	15	0
23,747	1977	9	5	8	30	0
23,748	1977	9	5	8	45	0
23,749	1977	9	5	9	0	0
23,750	1977	9	5	9	15	0
23,751	1977	9	5	9	30	0
23,752	1977	9	5	9	45	0
23,753	1977	9	5	10	0	0
23,754	1977	9	5	10	15	0
23,755	1977	9	5	10	30	0
23,756	1977	9	5	10	45	0
23,757	1977	9	5	11	0	0
23,758	1977	9	5	11	15	0
23,759	1977	9	5	11	30	0
23,760	1977	9	5	11	45	0
23,761	1977	9	5	12	0	0
23,762	1977	9	5	12	15	0
23,763	1977	9	5	12	30	0
23,764	1977	9	5	12	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
23,765	1977	9	5	13	0	0
23,766	1977	9	5	13	15	0
23,767	1977	9	5	13	30	0
23,768	1977	9	5	13	45	0
23,769	1977	9	5	14	0	0
23,770	1977	9	5	14	15	0
23,771	1977	9	5	14	30	0
23,772	1977	9	5	14	45	0
23,773	1977	9	5	15	0	0
23,774	1977	9	5	15	15	0
23,775	1977	9	5	15	30	0
23,776	1977	9	5	15	45	0
23,777	1977	9	5	16	0	0
23,778	1977	9	5	16	15	0
23,779	1977	9	5	16	30	0
23,780	1977	9	5	16	45	0
23,781	1977	9	5	17	0	0
23,782	1977	9	5	17	15	0
23,783	1977	9	5	17	30	0
23,784	1977	9	5	17	45	0
23,785	1977	9	5	18	0	0
23,786	1977	9	5	18	15	0
23,787	1977	9	5	18	30	0
23,788	1977	9	5	18	45	0
23,789	1977	9	5	19	0	0
23,790	1977	9	5	19	15	0
23,791	1977	9	5	19	30	0
23,792	1977	9	5	19	45	0
23,793	1977	9	5	20	0	0
23,794	1977	9	5	20	15	0
23,795	1977	9	5	20	30	0
23,796	1977	9	5	20	45	0
23,797	1977	9	5	21	0	0
23,798	1977	9	5	21	15	0
23,799	1977	9	5	21	30	0
23,800	1977	9	5	21	45	0
23,801	1977	9	5	22	0	0
23,802	1977	9	5	22	15	0
23,803	1977	9	5	22	30	0
23,804	1977	9	5	22	45	0
23,805	1977	9	5	23	0	0
23,806	1977	9	5	23	15	0
23,807	1977	9	5	23	30	0
23,808	1977	9	5	23	45	0
23,809	1977	9	6	0	0	0
23,810	1977	9	6	0	15	0
23,811	1977	9	6	0	30	0
23,812	1977	9	6	0	45	0
23,813	1977	9	6	1	0	0
23,814	1977	9	6	1	15	0
23,815	1977	9	6	1	30	0
23,816	1977	9	6	1	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
23,817	1977	9	6	2	0	0
23,818	1977	9	6	2	15	0
23,819	1977	9	6	2	30	0
23,820	1977	9	6	2	45	0
23,821	1977	9	6	3	0	0
23,822	1977	9	6	3	15	0
23,823	1977	9	6	3	30	0
23,824	1977	9	6	3	45	0
23,825	1977	9	6	4	0	0
23,826	1977	9	6	4	15	0
23,827	1977	9	6	4	30	0
23,828	1977	9	6	4	45	0
23,829	1977	9	6	5	0	0
23,830	1977	9	6	5	15	0
23,831	1977	9	6	5	30	0
23,832	1977	9	6	5	45	0
23,833	1977	9	6	6	0	0
23,834	1977	9	6	6	15	0
23,835	1977	9	6	6	30	0
23,836	1977	9	6	6	45	0
23,837	1977	9	6	7	0	0
23,838	1977	9	6	7	15	0
23,839	1977	9	6	7	30	0
23,840	1977	9	6	7	45	0
23,841	1977	9	6	8	0	0
23,842	1977	9	6	8	15	0
23,843	1977	9	6	8	30	0
23,844	1977	9	6	8	45	0
23,845	1977	9	6	9	0	0
23,846	1977	9	6	9	15	0
23,847	1977	9	6	9	30	0
23,848	1977	9	6	9	45	0
23,849	1977	9	6	10	0	0
23,850	1977	9	6	10	15	0
23,851	1977	9	6	10	30	0
23,852	1977	9	6	10	45	0
23,853	1977	9	6	11	0	0
23,854	1977	9	6	11	15	0
23,855	1977	9	6	11	30	0
23,856	1977	9	6	11	45	0
23,857	1977	9	6	12	0	0.095
23,858	1977	9	6	12	15	0.095
23,859	1977	9	6	12	30	0.095
23,860	1977	9	6	12	45	0.095
23,861	1977	9	6	13	0	0
23,862	1977	9	6	13	15	0
23,863	1977	9	6	13	30	0
23,864	1977	9	6	13	45	0
23,865	1977	9	6	14	0	0
23,866	1977	9	6	14	15	0
23,867	1977	9	6	14	30	0
23,868	1977	9	6	14	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
23,869	1977	9	6	15	0	0
23,870	1977	9	6	15	15	0
23,871	1977	9	6	15	30	0
23,872	1977	9	6	15	45	0
23,873	1977	9	6	16	0	0
23,874	1977	9	6	16	15	0
23,875	1977	9	6	16	30	0
23,876	1977	9	6	16	45	0
23,877	1977	9	6	17	0	0
23,878	1977	9	6	17	15	0
23,879	1977	9	6	17	30	0
23,880	1977	9	6	17	45	0
23,881	1977	9	6	18	0	0
23,882	1977	9	6	18	15	0
23,883	1977	9	6	18	30	0
23,884	1977	9	6	18	45	0
23,885	1977	9	6	19	0	0
23,886	1977	9	6	19	15	0
23,887	1977	9	6	19	30	0
23,888	1977	9	6	19	45	0
23,889	1977	9	6	20	0	0
23,890	1977	9	6	20	15	0
23,891	1977	9	6	20	30	0
23,892	1977	9	6	20	45	0
23,893	1977	9	6	21	0	0
23,894	1977	9	6	21	15	0
23,895	1977	9	6	21	30	0
23,896	1977	9	6	21	45	0
23,897	1977	9	6	22	0	0
23,898	1977	9	6	22	15	0
23,899	1977	9	6	22	30	0
23,900	1977	9	6	22	45	0
23,901	1977	9	6	23	0	0
23,902	1977	9	6	23	15	0
23,903	1977	9	6	23	30	0
23,904	1977	9	6	23	45	0
23,905	1977	9	7	0	0	0
23,906	1977	9	7	0	15	0
23,907	1977	9	7	0	30	0
23,908	1977	9	7	0	45	0
23,909	1977	9	7	1	0	0
23,910	1977	9	7	1	15	0
23,911	1977	9	7	1	30	0
23,912	1977	9	7	1	45	0
23,913	1977	9	7	2	0	0
23,914	1977	9	7	2	15	0
23,915	1977	9	7	2	30	0
23,916	1977	9	7	2	45	0
23,917	1977	9	7	3	0	0
23,918	1977	9	7	3	15	0
23,919	1977	9	7	3	30	0
23,920	1977	9	7	3	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
23,921	1977	9	7	4	0	0
23,922	1977	9	7	4	15	0
23,923	1977	9	7	4	30	0
23,924	1977	9	7	4	45	0
23,925	1977	9	7	5	0	0
23,926	1977	9	7	5	15	0
23,927	1977	9	7	5	30	0
23,928	1977	9	7	5	45	0
23,929	1977	9	7	6	0	0
23,930	1977	9	7	6	15	0
23,931	1977	9	7	6	30	0
23,932	1977	9	7	6	45	0
23,933	1977	9	7	7	0	0
23,934	1977	9	7	7	15	0
23,935	1977	9	7	7	30	0
23,936	1977	9	7	7	45	0
23,937	1977	9	7	8	0	0
23,938	1977	9	7	8	15	0
23,939	1977	9	7	8	30	0
23,940	1977	9	7	8	45	0
23,941	1977	9	7	9	0	0
23,942	1977	9	7	9	15	0
23,943	1977	9	7	9	30	0
23,944	1977	9	7	9	45	0
23,945	1977	9	7	10	0	0
23,946	1977	9	7	10	15	0
23,947	1977	9	7	10	30	0
23,948	1977	9	7	10	45	0
23,949	1977	9	7	11	0	0
23,950	1977	9	7	11	15	0
23,951	1977	9	7	11	30	0
23,952	1977	9	7	11	45	0
23,953	1977	9	7	12	0	0
23,954	1977	9	7	12	15	0
23,955	1977	9	7	12	30	0
23,956	1977	9	7	12	45	0
23,957	1977	9	7	13	0	0
23,958	1977	9	7	13	15	0
23,959	1977	9	7	13	30	0
23,960	1977	9	7	13	45	0
23,961	1977	9	7	14	0	0
23,962	1977	9	7	14	15	0
23,963	1977	9	7	14	30	0
23,964	1977	9	7	14	45	0
23,965	1977	9	7	15	0	0
23,966	1977	9	7	15	15	0
23,967	1977	9	7	15	30	0
23,968	1977	9	7	15	45	0
23,969	1977	9	7	16	0	0
23,970	1977	9	7	16	15	0
23,971	1977	9	7	16	30	0
23,972	1977	9	7	16	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
23,973	1977	9	7	17	0	0
23,974	1977	9	7	17	15	0
23,975	1977	9	7	17	30	0
23,976	1977	9	7	17	45	0
23,977	1977	9	7	18	0	0
23,978	1977	9	7	18	15	0
23,979	1977	9	7	18	30	0
23,980	1977	9	7	18	45	0
23,981	1977	9	7	19	0	0
23,982	1977	9	7	19	15	0
23,983	1977	9	7	19	30	0
23,984	1977	9	7	19	45	0
23,985	1977	9	7	20	0	0
23,986	1977	9	7	20	15	0
23,987	1977	9	7	20	30	0
23,988	1977	9	7	20	45	0
23,989	1977	9	7	21	0	0
23,990	1977	9	7	21	15	0
23,991	1977	9	7	21	30	0
23,992	1977	9	7	21	45	0
23,993	1977	9	7	22	0	0
23,994	1977	9	7	22	15	0
23,995	1977	9	7	22	30	0
23,996	1977	9	7	22	45	0
23,997	1977	9	7	23	0	0
23,998	1977	9	7	23	15	0
23,999	1977	9	7	23	30	0
24,000	1977	9	7	23	45	0
24,001	1977	9	8	0	0	0
24,002	1977	9	8	0	15	0
24,003	1977	9	8	0	30	0
24,004	1977	9	8	0	45	0
24,005	1977	9	8	1	0	0
24,006	1977	9	8	1	15	0
24,007	1977	9	8	1	30	0
24,008	1977	9	8	1	45	0
24,009	1977	9	8	2	0	0
24,010	1977	9	8	2	15	0
24,011	1977	9	8	2	30	0
24,012	1977	9	8	2	45	0
24,013	1977	9	8	3	0	0
24,014	1977	9	8	3	15	0
24,015	1977	9	8	3	30	0
24,016	1977	9	8	3	45	0
24,017	1977	9	8	4	0	0
24,018	1977	9	8	4	15	0
24,019	1977	9	8	4	30	0
24,020	1977	9	8	4	45	0
24,021	1977	9	8	5	0	0
24,022	1977	9	8	5	15	0
24,023	1977	9	8	5	30	0
24,024	1977	9	8	5	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
24,025	1977	9	8	6	0	0
24,026	1977	9	8	6	15	0
24,027	1977	9	8	6	30	0
24,028	1977	9	8	6	45	0
24,029	1977	9	8	7	0	0
24,030	1977	9	8	7	15	0
24,031	1977	9	8	7	30	0
24,032	1977	9	8	7	45	0
24,033	1977	9	8	8	0	0
24,034	1977	9	8	8	15	0
24,035	1977	9	8	8	30	0
24,036	1977	9	8	8	45	0
24,037	1977	9	8	9	0	0
24,038	1977	9	8	9	15	0
24,039	1977	9	8	9	30	0
24,040	1977	9	8	9	45	0
24,041	1977	9	8	10	0	0
24,042	1977	9	8	10	15	0
24,043	1977	9	8	10	30	0
24,044	1977	9	8	10	45	0
24,045	1977	9	8	11	0	0
24,046	1977	9	8	11	15	0
24,047	1977	9	8	11	30	0
24,048	1977	9	8	11	45	0
24,049	1977	9	8	12	0	0
24,050	1977	9	8	12	15	0
24,051	1977	9	8	12	30	0
24,052	1977	9	8	12	45	0
24,053	1977	9	8	13	0	0
24,054	1977	9	8	13	15	0
24,055	1977	9	8	13	30	0
24,056	1977	9	8	13	45	0
24,057	1977	9	8	14	0	0
24,058	1977	9	8	14	15	0
24,059	1977	9	8	14	30	0
24,060	1977	9	8	14	45	0
24,061	1977	9	8	15	0	0
24,062	1977	9	8	15	15	0
24,063	1977	9	8	15	30	0
24,064	1977	9	8	15	45	0
24,065	1977	9	8	16	0	0
24,066	1977	9	8	16	15	0
24,067	1977	9	8	16	30	0
24,068	1977	9	8	16	45	0
24,069	1977	9	8	17	0	0
24,070	1977	9	8	17	15	0
24,071	1977	9	8	17	30	0
24,072	1977	9	8	17	45	0
24,073	1977	9	8	18	0	0
24,074	1977	9	8	18	15	0
24,075	1977	9	8	18	30	0
24,076	1977	9	8	18	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
24,077	1977	9	8	19	0	0
24,078	1977	9	8	19	15	0
24,079	1977	9	8	19	30	0
24,080	1977	9	8	19	45	0
24,081	1977	9	8	20	0	0
24,082	1977	9	8	20	15	0
24,083	1977	9	8	20	30	0
24,084	1977	9	8	20	45	0
24,085	1977	9	8	21	0	0
24,086	1977	9	8	21	15	0
24,087	1977	9	8	21	30	0
24,088	1977	9	8	21	45	0
24,089	1977	9	8	22	0	0
24,090	1977	9	8	22	15	0
24,091	1977	9	8	22	30	0
24,092	1977	9	8	22	45	0
24,093	1977	9	8	23	0	0
24,094	1977	9	8	23	15	0
24,095	1977	9	8	23	30	0
24,096	1977	9	8	23	45	0
24,097	1977	9	9	0	0	0
24,098	1977	9	9	0	15	0
24,099	1977	9	9	0	30	0
24,100	1977	9	9	0	45	0
24,101	1977	9	9	1	0	0
24,102	1977	9	9	1	15	0
24,103	1977	9	9	1	30	0
24,104	1977	9	9	1	45	0
24,105	1977	9	9	2	0	0
24,106	1977	9	9	2	15	0
24,107	1977	9	9	2	30	0
24,108	1977	9	9	2	45	0
24,109	1977	9	9	3	0	0
24,110	1977	9	9	3	15	0
24,111	1977	9	9	3	30	0
24,112	1977	9	9	3	45	0
24,113	1977	9	9	4	0	0
24,114	1977	9	9	4	15	0
24,115	1977	9	9	4	30	0
24,116	1977	9	9	4	45	0
24,117	1977	9	9	5	0	0
24,118	1977	9	9	5	15	0
24,119	1977	9	9	5	30	0
24,120	1977	9	9	5	45	0
24,121	1977	9	9	6	0	0
24,122	1977	9	9	6	15	0
24,123	1977	9	9	6	30	0
24,124	1977	9	9	6	45	0
24,125	1977	9	9	7	0	0
24,126	1977	9	9	7	15	0
24,127	1977	9	9	7	30	0
24,128	1977	9	9	7	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
24,129	1977	9	9	8	0	0
24,130	1977	9	9	8	15	0
24,131	1977	9	9	8	30	0
24,132	1977	9	9	8	45	0
24,133	1977	9	9	9	0	0
24,134	1977	9	9	9	15	0
24,135	1977	9	9	9	30	0
24,136	1977	9	9	9	45	0
24,137	1977	9	9	10	0	0
24,138	1977	9	9	10	15	0
24,139	1977	9	9	10	30	0
24,140	1977	9	9	10	45	0
24,141	1977	9	9	11	0	0
24,142	1977	9	9	11	15	0
24,143	1977	9	9	11	30	0
24,144	1977	9	9	11	45	0
24,145	1977	9	9	12	0	0
24,146	1977	9	9	12	15	0
24,147	1977	9	9	12	30	0
24,148	1977	9	9	12	45	0
24,149	1977	9	9	13	0	0
24,150	1977	9	9	13	15	0
24,151	1977	9	9	13	30	0
24,152	1977	9	9	13	45	0
24,153	1977	9	9	14	0	0
24,154	1977	9	9	14	15	0
24,155	1977	9	9	14	30	0
24,156	1977	9	9	14	45	0
24,157	1977	9	9	15	0	0
24,158	1977	9	9	15	15	0
24,159	1977	9	9	15	30	0
24,160	1977	9	9	15	45	0
24,161	1977	9	9	16	0	0
24,162	1977	9	9	16	15	0
24,163	1977	9	9	16	30	0
24,164	1977	9	9	16	45	0
24,165	1977	9	9	17	0	0
24,166	1977	9	9	17	15	0
24,167	1977	9	9	17	30	0
24,168	1977	9	9	17	45	0
24,169	1977	9	9	18	0	0
24,170	1977	9	9	18	15	0
24,171	1977	9	9	18	30	0
24,172	1977	9	9	18	45	0
24,173	1977	9	9	19	0	0
24,174	1977	9	9	19	15	0
24,175	1977	9	9	19	30	0
24,176	1977	9	9	19	45	0
24,177	1977	9	9	20	0	0
24,178	1977	9	9	20	15	0
24,179	1977	9	9	20	30	0
24,180	1977	9	9	20	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
24,181	1977	9	9	21	0	0
24,182	1977	9	9	21	15	0
24,183	1977	9	9	21	30	0
24,184	1977	9	9	21	45	0
24,185	1977	9	9	22	0	0
24,186	1977	9	9	22	15	0
24,187	1977	9	9	22	30	0
24,188	1977	9	9	22	45	0
24,189	1977	9	9	23	0	0
24,190	1977	9	9	23	15	0
24,191	1977	9	9	23	30	0
24,192	1977	9	9	23	45	0
24,193	1977	9	10	0	0	0.03
24,194	1977	9	10	0	15	0.03
24,195	1977	9	10	0	30	0.03
24,196	1977	9	10	0	45	0.03
24,197	1977	9	10	1	0	0
24,198	1977	9	10	1	15	0
24,199	1977	9	10	1	30	0
24,200	1977	9	10	1	45	0
24,201	1977	9	10	2	0	0
24,202	1977	9	10	2	15	0
24,203	1977	9	10	2	30	0
24,204	1977	9	10	2	45	0
24,205	1977	9	10	3	0	0
24,206	1977	9	10	3	15	0
24,207	1977	9	10	3	30	0
24,208	1977	9	10	3	45	0
24,209	1977	9	10	4	0	0
24,210	1977	9	10	4	15	0
24,211	1977	9	10	4	30	0
24,212	1977	9	10	4	45	0
24,213	1977	9	10	5	0	0
24,214	1977	9	10	5	15	0
24,215	1977	9	10	5	30	0
24,216	1977	9	10	5	45	0
24,217	1977	9	10	6	0	0
24,218	1977	9	10	6	15	0
24,219	1977	9	10	6	30	0
24,220	1977	9	10	6	45	0
24,221	1977	9	10	7	0	0
24,222	1977	9	10	7	15	0
24,223	1977	9	10	7	30	0
24,224	1977	9	10	7	45	0
24,225	1977	9	10	8	0	0
24,226	1977	9	10	8	15	0
24,227	1977	9	10	8	30	0
24,228	1977	9	10	8	45	0
24,229	1977	9	10	9	0	0
24,230	1977	9	10	9	15	0
24,231	1977	9	10	9	30	0
24,232	1977	9	10	9	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
24,233	1977	9	10	10	0	0
24,234	1977	9	10	10	15	0
24,235	1977	9	10	10	30	0
24,236	1977	9	10	10	45	0
24,237	1977	9	10	11	0	0
24,238	1977	9	10	11	15	0
24,239	1977	9	10	11	30	0
24,240	1977	9	10	11	45	0
24,241	1977	9	10	12	0	0
24,242	1977	9	10	12	15	0
24,243	1977	9	10	12	30	0
24,244	1977	9	10	12	45	0
24,245	1977	9	10	13	0	0
24,246	1977	9	10	13	15	0
24,247	1977	9	10	13	30	0
24,248	1977	9	10	13	45	0
24,249	1977	9	10	14	0	0
24,250	1977	9	10	14	15	0
24,251	1977	9	10	14	30	0
24,252	1977	9	10	14	45	0
24,253	1977	9	10	15	0	0
24,254	1977	9	10	15	15	0
24,255	1977	9	10	15	30	0
24,256	1977	9	10	15	45	0
24,257	1977	9	10	16	0	0
24,258	1977	9	10	16	15	0
24,259	1977	9	10	16	30	0
24,260	1977	9	10	16	45	0
24,261	1977	9	10	17	0	0
24,262	1977	9	10	17	15	0
24,263	1977	9	10	17	30	0
24,264	1977	9	10	17	45	0
24,265	1977	9	10	18	0	0
24,266	1977	9	10	18	15	0
24,267	1977	9	10	18	30	0
24,268	1977	9	10	18	45	0
24,269	1977	9	10	19	0	0
24,270	1977	9	10	19	15	0
24,271	1977	9	10	19	30	0
24,272	1977	9	10	19	45	0
24,273	1977	9	10	20	0	0
24,274	1977	9	10	20	15	0
24,275	1977	9	10	20	30	0
24,276	1977	9	10	20	45	0
24,277	1977	9	10	21	0	0
24,278	1977	9	10	21	15	0
24,279	1977	9	10	21	30	0
24,280	1977	9	10	21	45	0
24,281	1977	9	10	22	0	0
24,282	1977	9	10	22	15	0
24,283	1977	9	10	22	30	0
24,284	1977	9	10	22	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
24,285	1977	9	10	23	0	0
24,286	1977	9	10	23	15	0
24,287	1977	9	10	23	30	0
24,288	1977	9	10	23	45	0
24,289	1977	9	11	0	0	0
24,290	1977	9	11	0	15	0
24,291	1977	9	11	0	30	0
24,292	1977	9	11	0	45	0
24,293	1977	9	11	1	0	0
24,294	1977	9	11	1	15	0
24,295	1977	9	11	1	30	0
24,296	1977	9	11	1	45	0
24,297	1977	9	11	2	0	0
24,298	1977	9	11	2	15	0
24,299	1977	9	11	2	30	0
24,300	1977	9	11	2	45	0
24,301	1977	9	11	3	0	0
24,302	1977	9	11	3	15	0
24,303	1977	9	11	3	30	0
24,304	1977	9	11	3	45	0
24,305	1977	9	11	4	0	0
24,306	1977	9	11	4	15	0
24,307	1977	9	11	4	30	0
24,308	1977	9	11	4	45	0
24,309	1977	9	11	5	0	0
24,310	1977	9	11	5	15	0
24,311	1977	9	11	5	30	0
24,312	1977	9	11	5	45	0
24,313	1977	9	11	6	0	0
24,314	1977	9	11	6	15	0
24,315	1977	9	11	6	30	0
24,316	1977	9	11	6	45	0
24,317	1977	9	11	7	0	0
24,318	1977	9	11	7	15	0
24,319	1977	9	11	7	30	0
24,320	1977	9	11	7	45	0
24,321	1977	9	11	8	0	0
24,322	1977	9	11	8	15	0
24,323	1977	9	11	8	30	0
24,324	1977	9	11	8	45	0
24,325	1977	9	11	9	0	0
24,326	1977	9	11	9	15	0
24,327	1977	9	11	9	30	0
24,328	1977	9	11	9	45	0
24,329	1977	9	11	10	0	0
24,330	1977	9	11	10	15	0
24,331	1977	9	11	10	30	0
24,332	1977	9	11	10	45	0
24,333	1977	9	11	11	0	0
24,334	1977	9	11	11	15	0
24,335	1977	9	11	11	30	0
24,336	1977	9	11	11	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
24,337	1977	9	11	12	0	0
24,338	1977	9	11	12	15	0
24,339	1977	9	11	12	30	0
24,340	1977	9	11	12	45	0
24,341	1977	9	11	13	0	0
24,342	1977	9	11	13	15	0
24,343	1977	9	11	13	30	0
24,344	1977	9	11	13	45	0
24,345	1977	9	11	14	0	0
24,346	1977	9	11	14	15	0
24,347	1977	9	11	14	30	0
24,348	1977	9	11	14	45	0
24,349	1977	9	11	15	0	0
24,350	1977	9	11	15	15	0
24,351	1977	9	11	15	30	0
24,352	1977	9	11	15	45	0
24,353	1977	9	11	16	0	0
24,354	1977	9	11	16	15	0
24,355	1977	9	11	16	30	0
24,356	1977	9	11	16	45	0
24,357	1977	9	11	17	0	0
24,358	1977	9	11	17	15	0
24,359	1977	9	11	17	30	0
24,360	1977	9	11	17	45	0
24,361	1977	9	11	18	0	0
24,362	1977	9	11	18	15	0
24,363	1977	9	11	18	30	0
24,364	1977	9	11	18	45	0
24,365	1977	9	11	19	0	0
24,366	1977	9	11	19	15	0
24,367	1977	9	11	19	30	0
24,368	1977	9	11	19	45	0
24,369	1977	9	11	20	0	0
24,370	1977	9	11	20	15	0
24,371	1977	9	11	20	30	0
24,372	1977	9	11	20	45	0
24,373	1977	9	11	21	0	0
24,374	1977	9	11	21	15	0
24,375	1977	9	11	21	30	0
24,376	1977	9	11	21	45	0
24,377	1977	9	11	22	0	0
24,378	1977	9	11	22	15	0
24,379	1977	9	11	22	30	0
24,380	1977	9	11	22	45	0
24,381	1977	9	11	23	0	0
24,382	1977	9	11	23	15	0
24,383	1977	9	11	23	30	0
24,384	1977	9	11	23	45	0
24,385	1977	9	12	0	0	0
24,386	1977	9	12	0	15	0
24,387	1977	9	12	0	30	0
24,388	1977	9	12	0	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
24,389	1977	9	12	1	0	0
24,390	1977	9	12	1	15	0
24,391	1977	9	12	1	30	0
24,392	1977	9	12	1	45	0
24,393	1977	9	12	2	0	0
24,394	1977	9	12	2	15	0
24,395	1977	9	12	2	30	0
24,396	1977	9	12	2	45	0
24,397	1977	9	12	3	0	0
24,398	1977	9	12	3	15	0
24,399	1977	9	12	3	30	0
24,400	1977	9	12	3	45	0
24,401	1977	9	12	4	0	0
24,402	1977	9	12	4	15	0
24,403	1977	9	12	4	30	0
24,404	1977	9	12	4	45	0
24,405	1977	9	12	5	0	0
24,406	1977	9	12	5	15	0
24,407	1977	9	12	5	30	0
24,408	1977	9	12	5	45	0
24,409	1977	9	12	6	0	0
24,410	1977	9	12	6	15	0
24,411	1977	9	12	6	30	0
24,412	1977	9	12	6	45	0
24,413	1977	9	12	7	0	0
24,414	1977	9	12	7	15	0
24,415	1977	9	12	7	30	0
24,416	1977	9	12	7	45	0
24,417	1977	9	12	8	0	0
24,418	1977	9	12	8	15	0
24,419	1977	9	12	8	30	0
24,420	1977	9	12	8	45	0
24,421	1977	9	12	9	0	0
24,422	1977	9	12	9	15	0
24,423	1977	9	12	9	30	0
24,424	1977	9	12	9	45	0
24,425	1977	9	12	10	0	0
24,426	1977	9	12	10	15	0
24,427	1977	9	12	10	30	0
24,428	1977	9	12	10	45	0
24,429	1977	9	12	11	0	0
24,430	1977	9	12	11	15	0
24,431	1977	9	12	11	30	0
24,432	1977	9	12	11	45	0
24,433	1977	9	12	12	0	0
24,434	1977	9	12	12	15	0
24,435	1977	9	12	12	30	0
24,436	1977	9	12	12	45	0
24,437	1977	9	12	13	0	0
24,438	1977	9	12	13	15	0
24,439	1977	9	12	13	30	0
24,440	1977	9	12	13	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
24,441	1977	9	12	14	0	0
24,442	1977	9	12	14	15	0
24,443	1977	9	12	14	30	0
24,444	1977	9	12	14	45	0
24,445	1977	9	12	15	0	0
24,446	1977	9	12	15	15	0
24,447	1977	9	12	15	30	0
24,448	1977	9	12	15	45	0
24,449	1977	9	12	16	0	0
24,450	1977	9	12	16	15	0
24,451	1977	9	12	16	30	0
24,452	1977	9	12	16	45	0
24,453	1977	9	12	17	0	0
24,454	1977	9	12	17	15	0
24,455	1977	9	12	17	30	0
24,456	1977	9	12	17	45	0
24,457	1977	9	12	18	0	0
24,458	1977	9	12	18	15	0
24,459	1977	9	12	18	30	0
24,460	1977	9	12	18	45	0
24,461	1977	9	12	19	0	0
24,462	1977	9	12	19	15	0
24,463	1977	9	12	19	30	0
24,464	1977	9	12	19	45	0
24,465	1977	9	12	20	0	0
24,466	1977	9	12	20	15	0
24,467	1977	9	12	20	30	0
24,468	1977	9	12	20	45	0
24,469	1977	9	12	21	0	0
24,470	1977	9	12	21	15	0
24,471	1977	9	12	21	30	0
24,472	1977	9	12	21	45	0
24,473	1977	9	12	22	0	0.005
24,474	1977	9	12	22	15	0.005
24,475	1977	9	12	22	30	0.005
24,476	1977	9	12	22	45	0.005
24,477	1977	9	12	23	0	0.0225
24,478	1977	9	12	23	15	0.0225
24,479	1977	9	12	23	30	0.0225
24,480	1977	9	12	23	45	0.0225
24,481	1977	9	13	0	0	0.015
24,482	1977	9	13	0	15	0.015
24,483	1977	9	13	0	30	0.015
24,484	1977	9	13	0	45	0.015
24,485	1977	9	13	1	0	0.0025
24,486	1977	9	13	1	15	0.0025
24,487	1977	9	13	1	30	0.0025
24,488	1977	9	13	1	45	0.0025
24,489	1977	9	13	2	0	0
24,490	1977	9	13	2	15	0
24,491	1977	9	13	2	30	0
24,492	1977	9	13	2	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
24,493	1977	9	13	3	0	0
24,494	1977	9	13	3	15	0
24,495	1977	9	13	3	30	0
24,496	1977	9	13	3	45	0
24,497	1977	9	13	4	0	0
24,498	1977	9	13	4	15	0
24,499	1977	9	13	4	30	0
24,500	1977	9	13	4	45	0
24,501	1977	9	13	5	0	0.0025
24,502	1977	9	13	5	15	0.0025
24,503	1977	9	13	5	30	0.0025
24,504	1977	9	13	5	45	0.0025
24,505	1977	9	13	6	0	0.035
24,506	1977	9	13	6	15	0.035
24,507	1977	9	13	6	30	0.035
24,508	1977	9	13	6	45	0.035
24,509	1977	9	13	7	0	0.005
24,510	1977	9	13	7	15	0.005
24,511	1977	9	13	7	30	0.005
24,512	1977	9	13	7	45	0.005
24,513	1977	9	13	8	0	0
24,514	1977	9	13	8	15	0
24,515	1977	9	13	8	30	0
24,516	1977	9	13	8	45	0
24,517	1977	9	13	9	0	0.0075
24,518	1977	9	13	9	15	0.0075
24,519	1977	9	13	9	30	0.0075
24,520	1977	9	13	9	45	0.0075
24,521	1977	9	13	10	0	0.0125
24,522	1977	9	13	10	15	0.0125
24,523	1977	9	13	10	30	0.0125
24,524	1977	9	13	10	45	0.0125
24,525	1977	9	13	11	0	0
24,526	1977	9	13	11	15	0
24,527	1977	9	13	11	30	0
24,528	1977	9	13	11	45	0
24,529	1977	9	13	12	0	0
24,530	1977	9	13	12	15	0
24,531	1977	9	13	12	30	0
24,532	1977	9	13	12	45	0
24,533	1977	9	13	13	0	0.02
24,534	1977	9	13	13	15	0.02
24,535	1977	9	13	13	30	0.02
24,536	1977	9	13	13	45	0.02
24,537	1977	9	13	14	0	0.005
24,538	1977	9	13	14	15	0.005
24,539	1977	9	13	14	30	0.005
24,540	1977	9	13	14	45	0.005
24,541	1977	9	13	15	0	0.015
24,542	1977	9	13	15	15	0.015
24,543	1977	9	13	15	30	0.015
24,544	1977	9	13	15	45	0.015

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
24,545	1977	9	13	16	0	0
24,546	1977	9	13	16	15	0
24,547	1977	9	13	16	30	0
24,548	1977	9	13	16	45	0
24,549	1977	9	13	17	0	0
24,550	1977	9	13	17	15	0
24,551	1977	9	13	17	30	0
24,552	1977	9	13	17	45	0
24,553	1977	9	13	18	0	0
24,554	1977	9	13	18	15	0
24,555	1977	9	13	18	30	0
24,556	1977	9	13	18	45	0
24,557	1977	9	13	19	0	0
24,558	1977	9	13	19	15	0
24,559	1977	9	13	19	30	0
24,560	1977	9	13	19	45	0
24,561	1977	9	13	20	0	0.045
24,562	1977	9	13	20	15	0.045
24,563	1977	9	13	20	30	0.045
24,564	1977	9	13	20	45	0.045
24,565	1977	9	13	21	0	0.005
24,566	1977	9	13	21	15	0.005
24,567	1977	9	13	21	30	0.005
24,568	1977	9	13	21	45	0.005
24,569	1977	9	13	22	0	0.005
24,570	1977	9	13	22	15	0.005
24,571	1977	9	13	22	30	0.005
24,572	1977	9	13	22	45	0.005
24,573	1977	9	13	23	0	0.0325
24,574	1977	9	13	23	15	0.0325
24,575	1977	9	13	23	30	0.0325
24,576	1977	9	13	23	45	0.0325
24,577	1977	9	14	0	0	0.07
24,578	1977	9	14	0	15	0.07
24,579	1977	9	14	0	30	0.07
24,580	1977	9	14	0	45	0.07
24,581	1977	9	14	1	0	0.0175
24,582	1977	9	14	1	15	0.0175
24,583	1977	9	14	1	30	0.0175
24,584	1977	9	14	1	45	0.0175
24,585	1977	9	14	2	0	0.01
24,586	1977	9	14	2	15	0.01
24,587	1977	9	14	2	30	0.01
24,588	1977	9	14	2	45	0.01
24,589	1977	9	14	3	0	0.0025
24,590	1977	9	14	3	15	0.0025
24,591	1977	9	14	3	30	0.0025
24,592	1977	9	14	3	45	0.0025
24,593	1977	9	14	4	0	0
24,594	1977	9	14	4	15	0
24,595	1977	9	14	4	30	0
24,596	1977	9	14	4	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
24,597	1977	9	14	5	0	0
24,598	1977	9	14	5	15	0
24,599	1977	9	14	5	30	0
24,600	1977	9	14	5	45	0
24,601	1977	9	14	6	0	0
24,602	1977	9	14	6	15	0
24,603	1977	9	14	6	30	0
24,604	1977	9	14	6	45	0
24,605	1977	9	14	7	0	0
24,606	1977	9	14	7	15	0
24,607	1977	9	14	7	30	0
24,608	1977	9	14	7	45	0
24,609	1977	9	14	8	0	0
24,610	1977	9	14	8	15	0
24,611	1977	9	14	8	30	0
24,612	1977	9	14	8	45	0
24,613	1977	9	14	9	0	0
24,614	1977	9	14	9	15	0
24,615	1977	9	14	9	30	0
24,616	1977	9	14	9	45	0
24,617	1977	9	14	10	0	0
24,618	1977	9	14	10	15	0
24,619	1977	9	14	10	30	0
24,620	1977	9	14	10	45	0
24,621	1977	9	14	11	0	0
24,622	1977	9	14	11	15	0
24,623	1977	9	14	11	30	0
24,624	1977	9	14	11	45	0
24,625	1977	9	14	12	0	0
24,626	1977	9	14	12	15	0
24,627	1977	9	14	12	30	0
24,628	1977	9	14	12	45	0
24,629	1977	9	14	13	0	0
24,630	1977	9	14	13	15	0
24,631	1977	9	14	13	30	0
24,632	1977	9	14	13	45	0
24,633	1977	9	14	14	0	0
24,634	1977	9	14	14	15	0
24,635	1977	9	14	14	30	0
24,636	1977	9	14	14	45	0
24,637	1977	9	14	15	0	0
24,638	1977	9	14	15	15	0
24,639	1977	9	14	15	30	0
24,640	1977	9	14	15	45	0
24,641	1977	9	14	16	0	0
24,642	1977	9	14	16	15	0
24,643	1977	9	14	16	30	0
24,644	1977	9	14	16	45	0
24,645	1977	9	14	17	0	0
24,646	1977	9	14	17	15	0
24,647	1977	9	14	17	30	0
24,648	1977	9	14	17	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
24,649	1977	9	14	18	0	0
24,650	1977	9	14	18	15	0
24,651	1977	9	14	18	30	0
24,652	1977	9	14	18	45	0
24,653	1977	9	14	19	0	0
24,654	1977	9	14	19	15	0
24,655	1977	9	14	19	30	0
24,656	1977	9	14	19	45	0
24,657	1977	9	14	20	0	0
24,658	1977	9	14	20	15	0
24,659	1977	9	14	20	30	0
24,660	1977	9	14	20	45	0
24,661	1977	9	14	21	0	0
24,662	1977	9	14	21	15	0
24,663	1977	9	14	21	30	0
24,664	1977	9	14	21	45	0
24,665	1977	9	14	22	0	0
24,666	1977	9	14	22	15	0
24,667	1977	9	14	22	30	0
24,668	1977	9	14	22	45	0
24,669	1977	9	14	23	0	0
24,670	1977	9	14	23	15	0
24,671	1977	9	14	23	30	0
24,672	1977	9	14	23	45	0
24,673	1977	9	15	0	0	0
24,674	1977	9	15	0	15	0
24,675	1977	9	15	0	30	0
24,676	1977	9	15	0	45	0
24,677	1977	9	15	1	0	0
24,678	1977	9	15	1	15	0
24,679	1977	9	15	1	30	0
24,680	1977	9	15	1	45	0
24,681	1977	9	15	2	0	0
24,682	1977	9	15	2	15	0
24,683	1977	9	15	2	30	0
24,684	1977	9	15	2	45	0
24,685	1977	9	15	3	0	0
24,686	1977	9	15	3	15	0
24,687	1977	9	15	3	30	0
24,688	1977	9	15	3	45	0
24,689	1977	9	15	4	0	0
24,690	1977	9	15	4	15	0
24,691	1977	9	15	4	30	0
24,692	1977	9	15	4	45	0
24,693	1977	9	15	5	0	0
24,694	1977	9	15	5	15	0
24,695	1977	9	15	5	30	0
24,696	1977	9	15	5	45	0
24,697	1977	9	15	6	0	0
24,698	1977	9	15	6	15	0
24,699	1977	9	15	6	30	0
24,700	1977	9	15	6	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
24,701	1977	9	15	7	0	0
24,702	1977	9	15	7	15	0
24,703	1977	9	15	7	30	0
24,704	1977	9	15	7	45	0
24,705	1977	9	15	8	0	0
24,706	1977	9	15	8	15	0
24,707	1977	9	15	8	30	0
24,708	1977	9	15	8	45	0
24,709	1977	9	15	9	0	0
24,710	1977	9	15	9	15	0
24,711	1977	9	15	9	30	0
24,712	1977	9	15	9	45	0
24,713	1977	9	15	10	0	0
24,714	1977	9	15	10	15	0
24,715	1977	9	15	10	30	0
24,716	1977	9	15	10	45	0
24,717	1977	9	15	11	0	0
24,718	1977	9	15	11	15	0
24,719	1977	9	15	11	30	0
24,720	1977	9	15	11	45	0
24,721	1977	9	15	12	0	0
24,722	1977	9	15	12	15	0
24,723	1977	9	15	12	30	0
24,724	1977	9	15	12	45	0
24,725	1977	9	15	13	0	0.01
24,726	1977	9	15	13	15	0.01
24,727	1977	9	15	13	30	0.01
24,728	1977	9	15	13	45	0.01
24,729	1977	9	15	14	0	0.025
24,730	1977	9	15	14	15	0.025
24,731	1977	9	15	14	30	0.025
24,732	1977	9	15	14	45	0.025
24,733	1977	9	15	15	0	0.0125
24,734	1977	9	15	15	15	0.0125
24,735	1977	9	15	15	30	0.0125
24,736	1977	9	15	15	45	0.0125
24,737	1977	9	15	16	0	0.005
24,738	1977	9	15	16	15	0.005
24,739	1977	9	15	16	30	0.005
24,740	1977	9	15	16	45	0.005
24,741	1977	9	15	17	0	0
24,742	1977	9	15	17	15	0
24,743	1977	9	15	17	30	0
24,744	1977	9	15	17	45	0
24,745	1977	9	15	18	0	0
24,746	1977	9	15	18	15	0
24,747	1977	9	15	18	30	0
24,748	1977	9	15	18	45	0
24,749	1977	9	15	19	0	0
24,750	1977	9	15	19	15	0
24,751	1977	9	15	19	30	0
24,752	1977	9	15	19	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
24,753	1977	9	15	20	0	0
24,754	1977	9	15	20	15	0
24,755	1977	9	15	20	30	0
24,756	1977	9	15	20	45	0
24,757	1977	9	15	21	0	0
24,758	1977	9	15	21	15	0
24,759	1977	9	15	21	30	0
24,760	1977	9	15	21	45	0
24,761	1977	9	15	22	0	0
24,762	1977	9	15	22	15	0
24,763	1977	9	15	22	30	0
24,764	1977	9	15	22	45	0
24,765	1977	9	15	23	0	0
24,766	1977	9	15	23	15	0
24,767	1977	9	15	23	30	0
24,768	1977	9	15	23	45	0
24,769	1977	9	16	0	0	0
24,770	1977	9	16	0	15	0
24,771	1977	9	16	0	30	0
24,772	1977	9	16	0	45	0
24,773	1977	9	16	1	0	0
24,774	1977	9	16	1	15	0
24,775	1977	9	16	1	30	0
24,776	1977	9	16	1	45	0
24,777	1977	9	16	2	0	0.005
24,778	1977	9	16	2	15	0.005
24,779	1977	9	16	2	30	0.005
24,780	1977	9	16	2	45	0.005
24,781	1977	9	16	3	0	0.025
24,782	1977	9	16	3	15	0.025
24,783	1977	9	16	3	30	0.025
24,784	1977	9	16	3	45	0.025
24,785	1977	9	16	4	0	0.035
24,786	1977	9	16	4	15	0.035
24,787	1977	9	16	4	30	0.035
24,788	1977	9	16	4	45	0.035
24,789	1977	9	16	5	0	0.005
24,790	1977	9	16	5	15	0.005
24,791	1977	9	16	5	30	0.005
24,792	1977	9	16	5	45	0.005
24,793	1977	9	16	6	0	0
24,794	1977	9	16	6	15	0
24,795	1977	9	16	6	30	0
24,796	1977	9	16	6	45	0
24,797	1977	9	16	7	0	0.005
24,798	1977	9	16	7	15	0.005
24,799	1977	9	16	7	30	0.005
24,800	1977	9	16	7	45	0.005
24,801	1977	9	16	8	0	0.005
24,802	1977	9	16	8	15	0.005
24,803	1977	9	16	8	30	0.005
24,804	1977	9	16	8	45	0.005

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
24,805	1977	9	16	9	0	0.005
24,806	1977	9	16	9	15	0.005
24,807	1977	9	16	9	30	0.005
24,808	1977	9	16	9	45	0.005
24,809	1977	9	16	10	0	0
24,810	1977	9	16	10	15	0
24,811	1977	9	16	10	30	0
24,812	1977	9	16	10	45	0
24,813	1977	9	16	11	0	0.0075
24,814	1977	9	16	11	15	0.0075
24,815	1977	9	16	11	30	0.0075
24,816	1977	9	16	11	45	0.0075
24,817	1977	9	16	12	0	0.0025
24,818	1977	9	16	12	15	0.0025
24,819	1977	9	16	12	30	0.0025
24,820	1977	9	16	12	45	0.0025
24,821	1977	9	16	13	0	0.0075
24,822	1977	9	16	13	15	0.0075
24,823	1977	9	16	13	30	0.0075
24,824	1977	9	16	13	45	0.0075
24,825	1977	9	16	14	0	0
24,826	1977	9	16	14	15	0
24,827	1977	9	16	14	30	0
24,828	1977	9	16	14	45	0
24,829	1977	9	16	15	0	0.0375
24,830	1977	9	16	15	15	0.0375
24,831	1977	9	16	15	30	0.0375
24,832	1977	9	16	15	45	0.0375
24,833	1977	9	16	16	0	0.0175
24,834	1977	9	16	16	15	0.0175
24,835	1977	9	16	16	30	0.0175
24,836	1977	9	16	16	45	0.0175
24,837	1977	9	16	17	0	0
24,838	1977	9	16	17	15	0
24,839	1977	9	16	17	30	0
24,840	1977	9	16	17	45	0
24,841	1977	9	16	18	0	0
24,842	1977	9	16	18	15	0
24,843	1977	9	16	18	30	0
24,844	1977	9	16	18	45	0
24,845	1977	9	16	19	0	0
24,846	1977	9	16	19	15	0
24,847	1977	9	16	19	30	0
24,848	1977	9	16	19	45	0
24,849	1977	9	16	20	0	0
24,850	1977	9	16	20	15	0
24,851	1977	9	16	20	30	0
24,852	1977	9	16	20	45	0
24,853	1977	9	16	21	0	0
24,854	1977	9	16	21	15	0
24,855	1977	9	16	21	30	0
24,856	1977	9	16	21	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
24,857	1977	9	16	22	0	0
24,858	1977	9	16	22	15	0
24,859	1977	9	16	22	30	0
24,860	1977	9	16	22	45	0
24,861	1977	9	16	23	0	0
24,862	1977	9	16	23	15	0
24,863	1977	9	16	23	30	0
24,864	1977	9	16	23	45	0
24,865	1977	9	17	0	0	0
24,866	1977	9	17	0	15	0
24,867	1977	9	17	0	30	0
24,868	1977	9	17	0	45	0
24,869	1977	9	17	1	0	0
24,870	1977	9	17	1	15	0
24,871	1977	9	17	1	30	0
24,872	1977	9	17	1	45	0
24,873	1977	9	17	2	0	0
24,874	1977	9	17	2	15	0
24,875	1977	9	17	2	30	0
24,876	1977	9	17	2	45	0
24,877	1977	9	17	3	0	0
24,878	1977	9	17	3	15	0
24,879	1977	9	17	3	30	0
24,880	1977	9	17	3	45	0
24,881	1977	9	17	4	0	0
24,882	1977	9	17	4	15	0
24,883	1977	9	17	4	30	0
24,884	1977	9	17	4	45	0
24,885	1977	9	17	5	0	0
24,886	1977	9	17	5	15	0
24,887	1977	9	17	5	30	0
24,888	1977	9	17	5	45	0
24,889	1977	9	17	6	0	0
24,890	1977	9	17	6	15	0
24,891	1977	9	17	6	30	0
24,892	1977	9	17	6	45	0
24,893	1977	9	17	7	0	0
24,894	1977	9	17	7	15	0
24,895	1977	9	17	7	30	0
24,896	1977	9	17	7	45	0
24,897	1977	9	17	8	0	0.0075
24,898	1977	9	17	8	15	0.0075
24,899	1977	9	17	8	30	0.0075
24,900	1977	9	17	8	45	0.0075
24,901	1977	9	17	9	0	0
24,902	1977	9	17	9	15	0
24,903	1977	9	17	9	30	0
24,904	1977	9	17	9	45	0
24,905	1977	9	17	10	0	0
24,906	1977	9	17	10	15	0
24,907	1977	9	17	10	30	0
24,908	1977	9	17	10	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
24,909	1977	9	17	11	0	0
24,910	1977	9	17	11	15	0
24,911	1977	9	17	11	30	0
24,912	1977	9	17	11	45	0
24,913	1977	9	17	12	0	0
24,914	1977	9	17	12	15	0
24,915	1977	9	17	12	30	0
24,916	1977	9	17	12	45	0
24,917	1977	9	17	13	0	0
24,918	1977	9	17	13	15	0
24,919	1977	9	17	13	30	0
24,920	1977	9	17	13	45	0
24,921	1977	9	17	14	0	0
24,922	1977	9	17	14	15	0
24,923	1977	9	17	14	30	0
24,924	1977	9	17	14	45	0
24,925	1977	9	17	15	0	0
24,926	1977	9	17	15	15	0
24,927	1977	9	17	15	30	0
24,928	1977	9	17	15	45	0
24,929	1977	9	17	16	0	0
24,930	1977	9	17	16	15	0
24,931	1977	9	17	16	30	0
24,932	1977	9	17	16	45	0
24,933	1977	9	17	17	0	0
24,934	1977	9	17	17	15	0
24,935	1977	9	17	17	30	0
24,936	1977	9	17	17	45	0
24,937	1977	9	17	18	0	0
24,938	1977	9	17	18	15	0
24,939	1977	9	17	18	30	0
24,940	1977	9	17	18	45	0
24,941	1977	9	17	19	0	0
24,942	1977	9	17	19	15	0
24,943	1977	9	17	19	30	0
24,944	1977	9	17	19	45	0
24,945	1977	9	17	20	0	0
24,946	1977	9	17	20	15	0
24,947	1977	9	17	20	30	0
24,948	1977	9	17	20	45	0
24,949	1977	9	17	21	0	0
24,950	1977	9	17	21	15	0
24,951	1977	9	17	21	30	0
24,952	1977	9	17	21	45	0
24,953	1977	9	17	22	0	0
24,954	1977	9	17	22	15	0
24,955	1977	9	17	22	30	0
24,956	1977	9	17	22	45	0
24,957	1977	9	17	23	0	0
24,958	1977	9	17	23	15	0
24,959	1977	9	17	23	30	0
24,960	1977	9	17	23	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
24,961	1977	9	18	0	0	0
24,962	1977	9	18	0	15	0
24,963	1977	9	18	0	30	0
24,964	1977	9	18	0	45	0
24,965	1977	9	18	1	0	0
24,966	1977	9	18	1	15	0
24,967	1977	9	18	1	30	0
24,968	1977	9	18	1	45	0
24,969	1977	9	18	2	0	0
24,970	1977	9	18	2	15	0
24,971	1977	9	18	2	30	0
24,972	1977	9	18	2	45	0
24,973	1977	9	18	3	0	0
24,974	1977	9	18	3	15	0
24,975	1977	9	18	3	30	0
24,976	1977	9	18	3	45	0
24,977	1977	9	18	4	0	0
24,978	1977	9	18	4	15	0
24,979	1977	9	18	4	30	0
24,980	1977	9	18	4	45	0
24,981	1977	9	18	5	0	0
24,982	1977	9	18	5	15	0
24,983	1977	9	18	5	30	0
24,984	1977	9	18	5	45	0
24,985	1977	9	18	6	0	0
24,986	1977	9	18	6	15	0
24,987	1977	9	18	6	30	0
24,988	1977	9	18	6	45	0
24,989	1977	9	18	7	0	0
24,990	1977	9	18	7	15	0
24,991	1977	9	18	7	30	0
24,992	1977	9	18	7	45	0
24,993	1977	9	18	8	0	0
24,994	1977	9	18	8	15	0
24,995	1977	9	18	8	30	0
24,996	1977	9	18	8	45	0
24,997	1977	9	18	9	0	0
24,998	1977	9	18	9	15	0
24,999	1977	9	18	9	30	0
25,000	1977	9	18	9	45	0
25,001	1977	9	18	10	0	0
25,002	1977	9	18	10	15	0
25,003	1977	9	18	10	30	0
25,004	1977	9	18	10	45	0
25,005	1977	9	18	11	0	0
25,006	1977	9	18	11	15	0
25,007	1977	9	18	11	30	0
25,008	1977	9	18	11	45	0
25,009	1977	9	18	12	0	0
25,010	1977	9	18	12	15	0
25,011	1977	9	18	12	30	0
25,012	1977	9	18	12	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
25,013	1977	9	18	13	0	0
25,014	1977	9	18	13	15	0
25,015	1977	9	18	13	30	0
25,016	1977	9	18	13	45	0
25,017	1977	9	18	14	0	0
25,018	1977	9	18	14	15	0
25,019	1977	9	18	14	30	0
25,020	1977	9	18	14	45	0
25,021	1977	9	18	15	0	0
25,022	1977	9	18	15	15	0
25,023	1977	9	18	15	30	0
25,024	1977	9	18	15	45	0
25,025	1977	9	18	16	0	0
25,026	1977	9	18	16	15	0
25,027	1977	9	18	16	30	0
25,028	1977	9	18	16	45	0
25,029	1977	9	18	17	0	0
25,030	1977	9	18	17	15	0
25,031	1977	9	18	17	30	0
25,032	1977	9	18	17	45	0
25,033	1977	9	18	18	0	0
25,034	1977	9	18	18	15	0
25,035	1977	9	18	18	30	0
25,036	1977	9	18	18	45	0
25,037	1977	9	18	19	0	0
25,038	1977	9	18	19	15	0
25,039	1977	9	18	19	30	0
25,040	1977	9	18	19	45	0
25,041	1977	9	18	20	0	0
25,042	1977	9	18	20	15	0
25,043	1977	9	18	20	30	0
25,044	1977	9	18	20	45	0
25,045	1977	9	18	21	0	0
25,046	1977	9	18	21	15	0
25,047	1977	9	18	21	30	0
25,048	1977	9	18	21	45	0
25,049	1977	9	18	22	0	0
25,050	1977	9	18	22	15	0
25,051	1977	9	18	22	30	0
25,052	1977	9	18	22	45	0
25,053	1977	9	18	23	0	0
25,054	1977	9	18	23	15	0
25,055	1977	9	18	23	30	0
25,056	1977	9	18	23	45	0
25,057	1977	9	19	0	0	0
25,058	1977	9	19	0	15	0
25,059	1977	9	19	0	30	0
25,060	1977	9	19	0	45	0
25,061	1977	9	19	1	0	0
25,062	1977	9	19	1	15	0
25,063	1977	9	19	1	30	0
25,064	1977	9	19	1	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
25,065	1977	9	19	2	0	0
25,066	1977	9	19	2	15	0
25,067	1977	9	19	2	30	0
25,068	1977	9	19	2	45	0
25,069	1977	9	19	3	0	0
25,070	1977	9	19	3	15	0
25,071	1977	9	19	3	30	0
25,072	1977	9	19	3	45	0
25,073	1977	9	19	4	0	0
25,074	1977	9	19	4	15	0
25,075	1977	9	19	4	30	0
25,076	1977	9	19	4	45	0
25,077	1977	9	19	5	0	0
25,078	1977	9	19	5	15	0
25,079	1977	9	19	5	30	0
25,080	1977	9	19	5	45	0
25,081	1977	9	19	6	0	0
25,082	1977	9	19	6	15	0
25,083	1977	9	19	6	30	0
25,084	1977	9	19	6	45	0
25,085	1977	9	19	7	0	0
25,086	1977	9	19	7	15	0
25,087	1977	9	19	7	30	0
25,088	1977	9	19	7	45	0
25,089	1977	9	19	8	0	0
25,090	1977	9	19	8	15	0
25,091	1977	9	19	8	30	0
25,092	1977	9	19	8	45	0
25,093	1977	9	19	9	0	0
25,094	1977	9	19	9	15	0
25,095	1977	9	19	9	30	0
25,096	1977	9	19	9	45	0
25,097	1977	9	19	10	0	0
25,098	1977	9	19	10	15	0
25,099	1977	9	19	10	30	0
25,100	1977	9	19	10	45	0
25,101	1977	9	19	11	0	0
25,102	1977	9	19	11	15	0
25,103	1977	9	19	11	30	0
25,104	1977	9	19	11	45	0
25,105	1977	9	19	12	0	0
25,106	1977	9	19	12	15	0
25,107	1977	9	19	12	30	0
25,108	1977	9	19	12	45	0
25,109	1977	9	19	13	0	0
25,110	1977	9	19	13	15	0
25,111	1977	9	19	13	30	0
25,112	1977	9	19	13	45	0
25,113	1977	9	19	14	0	0
25,114	1977	9	19	14	15	0
25,115	1977	9	19	14	30	0
25,116	1977	9	19	14	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
25,117	1977	9	19	15	0	0
25,118	1977	9	19	15	15	0
25,119	1977	9	19	15	30	0
25,120	1977	9	19	15	45	0
25,121	1977	9	19	16	0	0
25,122	1977	9	19	16	15	0
25,123	1977	9	19	16	30	0
25,124	1977	9	19	16	45	0
25,125	1977	9	19	17	0	0.005
25,126	1977	9	19	17	15	0.005
25,127	1977	9	19	17	30	0.005
25,128	1977	9	19	17	45	0.005
25,129	1977	9	19	18	0	0.005
25,130	1977	9	19	18	15	0.005
25,131	1977	9	19	18	30	0.005
25,132	1977	9	19	18	45	0.005
25,133	1977	9	19	19	0	0.0025
25,134	1977	9	19	19	15	0.0025
25,135	1977	9	19	19	30	0.0025
25,136	1977	9	19	19	45	0.0025
25,137	1977	9	19	20	0	0
25,138	1977	9	19	20	15	0
25,139	1977	9	19	20	30	0
25,140	1977	9	19	20	45	0
25,141	1977	9	19	21	0	0
25,142	1977	9	19	21	15	0
25,143	1977	9	19	21	30	0
25,144	1977	9	19	21	45	0
25,145	1977	9	19	22	0	0
25,146	1977	9	19	22	15	0
25,147	1977	9	19	22	30	0
25,148	1977	9	19	22	45	0
25,149	1977	9	19	23	0	0
25,150	1977	9	19	23	15	0
25,151	1977	9	19	23	30	0
25,152	1977	9	19	23	45	0
25,153	1977	9	20	0	0	0
25,154	1977	9	20	0	15	0
25,155	1977	9	20	0	30	0
25,156	1977	9	20	0	45	0
25,157	1977	9	20	1	0	0
25,158	1977	9	20	1	15	0
25,159	1977	9	20	1	30	0
25,160	1977	9	20	1	45	0
25,161	1977	9	20	2	0	0
25,162	1977	9	20	2	15	0
25,163	1977	9	20	2	30	0
25,164	1977	9	20	2	45	0
25,165	1977	9	20	3	0	0
25,166	1977	9	20	3	15	0
25,167	1977	9	20	3	30	0
25,168	1977	9	20	3	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
25,169	1977	9	20	4	0	0
25,170	1977	9	20	4	15	0
25,171	1977	9	20	4	30	0
25,172	1977	9	20	4	45	0
25,173	1977	9	20	5	0	0
25,174	1977	9	20	5	15	0
25,175	1977	9	20	5	30	0
25,176	1977	9	20	5	45	0
25,177	1977	9	20	6	0	0
25,178	1977	9	20	6	15	0
25,179	1977	9	20	6	30	0
25,180	1977	9	20	6	45	0
25,181	1977	9	20	7	0	0
25,182	1977	9	20	7	15	0
25,183	1977	9	20	7	30	0
25,184	1977	9	20	7	45	0
25,185	1977	9	20	8	0	0
25,186	1977	9	20	8	15	0
25,187	1977	9	20	8	30	0
25,188	1977	9	20	8	45	0
25,189	1977	9	20	9	0	0
25,190	1977	9	20	9	15	0
25,191	1977	9	20	9	30	0
25,192	1977	9	20	9	45	0
25,193	1977	9	20	10	0	0
25,194	1977	9	20	10	15	0
25,195	1977	9	20	10	30	0
25,196	1977	9	20	10	45	0
25,197	1977	9	20	11	0	0
25,198	1977	9	20	11	15	0
25,199	1977	9	20	11	30	0
25,200	1977	9	20	11	45	0
25,201	1977	9	20	12	0	0
25,202	1977	9	20	12	15	0
25,203	1977	9	20	12	30	0
25,204	1977	9	20	12	45	0
25,205	1977	9	20	13	0	0
25,206	1977	9	20	13	15	0
25,207	1977	9	20	13	30	0
25,208	1977	9	20	13	45	0
25,209	1977	9	20	14	0	0
25,210	1977	9	20	14	15	0
25,211	1977	9	20	14	30	0
25,212	1977	9	20	14	45	0
25,213	1977	9	20	15	0	0
25,214	1977	9	20	15	15	0
25,215	1977	9	20	15	30	0
25,216	1977	9	20	15	45	0
25,217	1977	9	20	16	0	0
25,218	1977	9	20	16	15	0
25,219	1977	9	20	16	30	0
25,220	1977	9	20	16	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
25,221	1977	9	20	17	0	0
25,222	1977	9	20	17	15	0
25,223	1977	9	20	17	30	0
25,224	1977	9	20	17	45	0
25,225	1977	9	20	18	0	0
25,226	1977	9	20	18	15	0
25,227	1977	9	20	18	30	0
25,228	1977	9	20	18	45	0
25,229	1977	9	20	19	0	0
25,230	1977	9	20	19	15	0
25,231	1977	9	20	19	30	0
25,232	1977	9	20	19	45	0
25,233	1977	9	20	20	0	0
25,234	1977	9	20	20	15	0
25,235	1977	9	20	20	30	0
25,236	1977	9	20	20	45	0
25,237	1977	9	20	21	0	0
25,238	1977	9	20	21	15	0
25,239	1977	9	20	21	30	0
25,240	1977	9	20	21	45	0
25,241	1977	9	20	22	0	0.0025
25,242	1977	9	20	22	15	0.0025
25,243	1977	9	20	22	30	0.0025
25,244	1977	9	20	22	45	0.0025
25,245	1977	9	20	23	0	0.005
25,246	1977	9	20	23	15	0.005
25,247	1977	9	20	23	30	0.005
25,248	1977	9	20	23	45	0.005
25,249	1977	9	21	0	0	0
25,250	1977	9	21	0	15	0
25,251	1977	9	21	0	30	0
25,252	1977	9	21	0	45	0
25,253	1977	9	21	1	0	0.0025
25,254	1977	9	21	1	15	0.0025
25,255	1977	9	21	1	30	0.0025
25,256	1977	9	21	1	45	0.0025
25,257	1977	9	21	2	0	0
25,258	1977	9	21	2	15	0
25,259	1977	9	21	2	30	0
25,260	1977	9	21	2	45	0
25,261	1977	9	21	3	0	0
25,262	1977	9	21	3	15	0
25,263	1977	9	21	3	30	0
25,264	1977	9	21	3	45	0
25,265	1977	9	21	4	0	0
25,266	1977	9	21	4	15	0
25,267	1977	9	21	4	30	0
25,268	1977	9	21	4	45	0
25,269	1977	9	21	5	0	0
25,270	1977	9	21	5	15	0
25,271	1977	9	21	5	30	0
25,272	1977	9	21	5	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
25,273	1977	9	21	6	0	0
25,274	1977	9	21	6	15	0
25,275	1977	9	21	6	30	0
25,276	1977	9	21	6	45	0
25,277	1977	9	21	7	0	0
25,278	1977	9	21	7	15	0
25,279	1977	9	21	7	30	0
25,280	1977	9	21	7	45	0
25,281	1977	9	21	8	0	0
25,282	1977	9	21	8	15	0
25,283	1977	9	21	8	30	0
25,284	1977	9	21	8	45	0
25,285	1977	9	21	9	0	0
25,286	1977	9	21	9	15	0
25,287	1977	9	21	9	30	0
25,288	1977	9	21	9	45	0
25,289	1977	9	21	10	0	0
25,290	1977	9	21	10	15	0
25,291	1977	9	21	10	30	0
25,292	1977	9	21	10	45	0
25,293	1977	9	21	11	0	0
25,294	1977	9	21	11	15	0
25,295	1977	9	21	11	30	0
25,296	1977	9	21	11	45	0
25,297	1977	9	21	12	0	0
25,298	1977	9	21	12	15	0
25,299	1977	9	21	12	30	0
25,300	1977	9	21	12	45	0
25,301	1977	9	21	13	0	0
25,302	1977	9	21	13	15	0
25,303	1977	9	21	13	30	0
25,304	1977	9	21	13	45	0
25,305	1977	9	21	14	0	0
25,306	1977	9	21	14	15	0
25,307	1977	9	21	14	30	0
25,308	1977	9	21	14	45	0
25,309	1977	9	21	15	0	0
25,310	1977	9	21	15	15	0
25,311	1977	9	21	15	30	0
25,312	1977	9	21	15	45	0
25,313	1977	9	21	16	0	0
25,314	1977	9	21	16	15	0
25,315	1977	9	21	16	30	0
25,316	1977	9	21	16	45	0
25,317	1977	9	21	17	0	0
25,318	1977	9	21	17	15	0
25,319	1977	9	21	17	30	0
25,320	1977	9	21	17	45	0
25,321	1977	9	21	18	0	0
25,322	1977	9	21	18	15	0
25,323	1977	9	21	18	30	0
25,324	1977	9	21	18	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
25,325	1977	9	21	19	0	0
25,326	1977	9	21	19	15	0
25,327	1977	9	21	19	30	0
25,328	1977	9	21	19	45	0
25,329	1977	9	21	20	0	0
25,330	1977	9	21	20	15	0
25,331	1977	9	21	20	30	0
25,332	1977	9	21	20	45	0
25,333	1977	9	21	21	0	0
25,334	1977	9	21	21	15	0
25,335	1977	9	21	21	30	0
25,336	1977	9	21	21	45	0
25,337	1977	9	21	22	0	0
25,338	1977	9	21	22	15	0
25,339	1977	9	21	22	30	0
25,340	1977	9	21	22	45	0
25,341	1977	9	21	23	0	0
25,342	1977	9	21	23	15	0
25,343	1977	9	21	23	30	0
25,344	1977	9	21	23	45	0
25,345	1977	9	22	0	0	0
25,346	1977	9	22	0	15	0
25,347	1977	9	22	0	30	0
25,348	1977	9	22	0	45	0
25,349	1977	9	22	1	0	0
25,350	1977	9	22	1	15	0
25,351	1977	9	22	1	30	0
25,352	1977	9	22	1	45	0
25,353	1977	9	22	2	0	0
25,354	1977	9	22	2	15	0
25,355	1977	9	22	2	30	0
25,356	1977	9	22	2	45	0
25,357	1977	9	22	3	0	0
25,358	1977	9	22	3	15	0
25,359	1977	9	22	3	30	0
25,360	1977	9	22	3	45	0
25,361	1977	9	22	4	0	0
25,362	1977	9	22	4	15	0
25,363	1977	9	22	4	30	0
25,364	1977	9	22	4	45	0
25,365	1977	9	22	5	0	0
25,366	1977	9	22	5	15	0
25,367	1977	9	22	5	30	0
25,368	1977	9	22	5	45	0
25,369	1977	9	22	6	0	0
25,370	1977	9	22	6	15	0
25,371	1977	9	22	6	30	0
25,372	1977	9	22	6	45	0
25,373	1977	9	22	7	0	0
25,374	1977	9	22	7	15	0
25,375	1977	9	22	7	30	0
25,376	1977	9	22	7	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
25,377	1977	9	22	8	0	0
25,378	1977	9	22	8	15	0
25,379	1977	9	22	8	30	0
25,380	1977	9	22	8	45	0
25,381	1977	9	22	9	0	0
25,382	1977	9	22	9	15	0
25,383	1977	9	22	9	30	0
25,384	1977	9	22	9	45	0
25,385	1977	9	22	10	0	0
25,386	1977	9	22	10	15	0
25,387	1977	9	22	10	30	0
25,388	1977	9	22	10	45	0
25,389	1977	9	22	11	0	0
25,390	1977	9	22	11	15	0
25,391	1977	9	22	11	30	0
25,392	1977	9	22	11	45	0
25,393	1977	9	22	12	0	0
25,394	1977	9	22	12	15	0
25,395	1977	9	22	12	30	0
25,396	1977	9	22	12	45	0
25,397	1977	9	22	13	0	0
25,398	1977	9	22	13	15	0
25,399	1977	9	22	13	30	0
25,400	1977	9	22	13	45	0
25,401	1977	9	22	14	0	0
25,402	1977	9	22	14	15	0
25,403	1977	9	22	14	30	0
25,404	1977	9	22	14	45	0
25,405	1977	9	22	15	0	0
25,406	1977	9	22	15	15	0
25,407	1977	9	22	15	30	0
25,408	1977	9	22	15	45	0
25,409	1977	9	22	16	0	0
25,410	1977	9	22	16	15	0
25,411	1977	9	22	16	30	0
25,412	1977	9	22	16	45	0
25,413	1977	9	22	17	0	0
25,414	1977	9	22	17	15	0
25,415	1977	9	22	17	30	0
25,416	1977	9	22	17	45	0
25,417	1977	9	22	18	0	0
25,418	1977	9	22	18	15	0
25,419	1977	9	22	18	30	0
25,420	1977	9	22	18	45	0
25,421	1977	9	22	19	0	0
25,422	1977	9	22	19	15	0
25,423	1977	9	22	19	30	0
25,424	1977	9	22	19	45	0
25,425	1977	9	22	20	0	0
25,426	1977	9	22	20	15	0
25,427	1977	9	22	20	30	0
25,428	1977	9	22	20	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
25,429	1977	9	22	21	0	0
25,430	1977	9	22	21	15	0
25,431	1977	9	22	21	30	0
25,432	1977	9	22	21	45	0
25,433	1977	9	22	22	0	0
25,434	1977	9	22	22	15	0
25,435	1977	9	22	22	30	0
25,436	1977	9	22	22	45	0
25,437	1977	9	22	23	0	0
25,438	1977	9	22	23	15	0
25,439	1977	9	22	23	30	0
25,440	1977	9	22	23	45	0
25,441	1977	9	23	0	0	0
25,442	1977	9	23	0	15	0
25,443	1977	9	23	0	30	0
25,444	1977	9	23	0	45	0
25,445	1977	9	23	1	0	0
25,446	1977	9	23	1	15	0
25,447	1977	9	23	1	30	0
25,448	1977	9	23	1	45	0
25,449	1977	9	23	2	0	0
25,450	1977	9	23	2	15	0
25,451	1977	9	23	2	30	0
25,452	1977	9	23	2	45	0
25,453	1977	9	23	3	0	0
25,454	1977	9	23	3	15	0
25,455	1977	9	23	3	30	0
25,456	1977	9	23	3	45	0
25,457	1977	9	23	4	0	0
25,458	1977	9	23	4	15	0
25,459	1977	9	23	4	30	0
25,460	1977	9	23	4	45	0
25,461	1977	9	23	5	0	0
25,462	1977	9	23	5	15	0
25,463	1977	9	23	5	30	0
25,464	1977	9	23	5	45	0
25,465	1977	9	23	6	0	0
25,466	1977	9	23	6	15	0
25,467	1977	9	23	6	30	0
25,468	1977	9	23	6	45	0
25,469	1977	9	23	7	0	0
25,470	1977	9	23	7	15	0
25,471	1977	9	23	7	30	0
25,472	1977	9	23	7	45	0
25,473	1977	9	23	8	0	0
25,474	1977	9	23	8	15	0
25,475	1977	9	23	8	30	0
25,476	1977	9	23	8	45	0
25,477	1977	9	23	9	0	0
25,478	1977	9	23	9	15	0
25,479	1977	9	23	9	30	0
25,480	1977	9	23	9	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
25,481	1977	9	23	10	0	0
25,482	1977	9	23	10	15	0
25,483	1977	9	23	10	30	0
25,484	1977	9	23	10	45	0
25,485	1977	9	23	11	0	0
25,486	1977	9	23	11	15	0
25,487	1977	9	23	11	30	0
25,488	1977	9	23	11	45	0
25,489	1977	9	23	12	0	0
25,490	1977	9	23	12	15	0
25,491	1977	9	23	12	30	0
25,492	1977	9	23	12	45	0
25,493	1977	9	23	13	0	0
25,494	1977	9	23	13	15	0
25,495	1977	9	23	13	30	0
25,496	1977	9	23	13	45	0
25,497	1977	9	23	14	0	0
25,498	1977	9	23	14	15	0
25,499	1977	9	23	14	30	0
25,500	1977	9	23	14	45	0
25,501	1977	9	23	15	0	0
25,502	1977	9	23	15	15	0
25,503	1977	9	23	15	30	0
25,504	1977	9	23	15	45	0
25,505	1977	9	23	16	0	0
25,506	1977	9	23	16	15	0
25,507	1977	9	23	16	30	0
25,508	1977	9	23	16	45	0
25,509	1977	9	23	17	0	0
25,510	1977	9	23	17	15	0
25,511	1977	9	23	17	30	0
25,512	1977	9	23	17	45	0
25,513	1977	9	23	18	0	0
25,514	1977	9	23	18	15	0
25,515	1977	9	23	18	30	0
25,516	1977	9	23	18	45	0
25,517	1977	9	23	19	0	0
25,518	1977	9	23	19	15	0
25,519	1977	9	23	19	30	0
25,520	1977	9	23	19	45	0
25,521	1977	9	23	20	0	0
25,522	1977	9	23	20	15	0
25,523	1977	9	23	20	30	0
25,524	1977	9	23	20	45	0
25,525	1977	9	23	21	0	0
25,526	1977	9	23	21	15	0
25,527	1977	9	23	21	30	0
25,528	1977	9	23	21	45	0
25,529	1977	9	23	22	0	0
25,530	1977	9	23	22	15	0
25,531	1977	9	23	22	30	0
25,532	1977	9	23	22	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
25,533	1977	9	23	23	0	0
25,534	1977	9	23	23	15	0
25,535	1977	9	23	23	30	0
25,536	1977	9	23	23	45	0
25,537	1977	9	24	0	0	0
25,538	1977	9	24	0	15	0
25,539	1977	9	24	0	30	0
25,540	1977	9	24	0	45	0
25,541	1977	9	24	1	0	0
25,542	1977	9	24	1	15	0
25,543	1977	9	24	1	30	0
25,544	1977	9	24	1	45	0
25,545	1977	9	24	2	0	0
25,546	1977	9	24	2	15	0
25,547	1977	9	24	2	30	0
25,548	1977	9	24	2	45	0
25,549	1977	9	24	3	0	0
25,550	1977	9	24	3	15	0
25,551	1977	9	24	3	30	0
25,552	1977	9	24	3	45	0
25,553	1977	9	24	4	0	0
25,554	1977	9	24	4	15	0
25,555	1977	9	24	4	30	0
25,556	1977	9	24	4	45	0
25,557	1977	9	24	5	0	0
25,558	1977	9	24	5	15	0
25,559	1977	9	24	5	30	0
25,560	1977	9	24	5	45	0
25,561	1977	9	24	6	0	0
25,562	1977	9	24	6	15	0
25,563	1977	9	24	6	30	0
25,564	1977	9	24	6	45	0
25,565	1977	9	24	7	0	0
25,566	1977	9	24	7	15	0
25,567	1977	9	24	7	30	0
25,568	1977	9	24	7	45	0
25,569	1977	9	24	8	0	0
25,570	1977	9	24	8	15	0
25,571	1977	9	24	8	30	0
25,572	1977	9	24	8	45	0
25,573	1977	9	24	9	0	0
25,574	1977	9	24	9	15	0
25,575	1977	9	24	9	30	0
25,576	1977	9	24	9	45	0
25,577	1977	9	24	10	0	0
25,578	1977	9	24	10	15	0
25,579	1977	9	24	10	30	0
25,580	1977	9	24	10	45	0
25,581	1977	9	24	11	0	0
25,582	1977	9	24	11	15	0
25,583	1977	9	24	11	30	0
25,584	1977	9	24	11	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
25,585	1977	9	24	12	0	0
25,586	1977	9	24	12	15	0
25,587	1977	9	24	12	30	0
25,588	1977	9	24	12	45	0
25,589	1977	9	24	13	0	0
25,590	1977	9	24	13	15	0
25,591	1977	9	24	13	30	0
25,592	1977	9	24	13	45	0
25,593	1977	9	24	14	0	0
25,594	1977	9	24	14	15	0
25,595	1977	9	24	14	30	0
25,596	1977	9	24	14	45	0
25,597	1977	9	24	15	0	0
25,598	1977	9	24	15	15	0
25,599	1977	9	24	15	30	0
25,600	1977	9	24	15	45	0
25,601	1977	9	24	16	0	0
25,602	1977	9	24	16	15	0
25,603	1977	9	24	16	30	0
25,604	1977	9	24	16	45	0
25,605	1977	9	24	17	0	0
25,606	1977	9	24	17	15	0
25,607	1977	9	24	17	30	0
25,608	1977	9	24	17	45	0
25,609	1977	9	24	18	0	0
25,610	1977	9	24	18	15	0
25,611	1977	9	24	18	30	0
25,612	1977	9	24	18	45	0
25,613	1977	9	24	19	0	0.02
25,614	1977	9	24	19	15	0.02
25,615	1977	9	24	19	30	0.02
25,616	1977	9	24	19	45	0.02
25,617	1977	9	24	20	0	0
25,618	1977	9	24	20	15	0
25,619	1977	9	24	20	30	0
25,620	1977	9	24	20	45	0
25,621	1977	9	24	21	0	0
25,622	1977	9	24	21	15	0
25,623	1977	9	24	21	30	0
25,624	1977	9	24	21	45	0
25,625	1977	9	24	22	0	0
25,626	1977	9	24	22	15	0
25,627	1977	9	24	22	30	0
25,628	1977	9	24	22	45	0
25,629	1977	9	24	23	0	0
25,630	1977	9	24	23	15	0
25,631	1977	9	24	23	30	0
25,632	1977	9	24	23	45	0
25,633	1977	9	25	0	0	0
25,634	1977	9	25	0	15	0
25,635	1977	9	25	0	30	0
25,636	1977	9	25	0	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
25,637	1977	9	25	1	0	0
25,638	1977	9	25	1	15	0
25,639	1977	9	25	1	30	0
25,640	1977	9	25	1	45	0
25,641	1977	9	25	2	0	0
25,642	1977	9	25	2	15	0
25,643	1977	9	25	2	30	0
25,644	1977	9	25	2	45	0
25,645	1977	9	25	3	0	0
25,646	1977	9	25	3	15	0
25,647	1977	9	25	3	30	0
25,648	1977	9	25	3	45	0
25,649	1977	9	25	4	0	0
25,650	1977	9	25	4	15	0
25,651	1977	9	25	4	30	0
25,652	1977	9	25	4	45	0
25,653	1977	9	25	5	0	0
25,654	1977	9	25	5	15	0
25,655	1977	9	25	5	30	0
25,656	1977	9	25	5	45	0
25,657	1977	9	25	6	0	0
25,658	1977	9	25	6	15	0
25,659	1977	9	25	6	30	0
25,660	1977	9	25	6	45	0
25,661	1977	9	25	7	0	0
25,662	1977	9	25	7	15	0
25,663	1977	9	25	7	30	0
25,664	1977	9	25	7	45	0
25,665	1977	9	25	8	0	0
25,666	1977	9	25	8	15	0
25,667	1977	9	25	8	30	0
25,668	1977	9	25	8	45	0
25,669	1977	9	25	9	0	0
25,670	1977	9	25	9	15	0
25,671	1977	9	25	9	30	0
25,672	1977	9	25	9	45	0
25,673	1977	9	25	10	0	0
25,674	1977	9	25	10	15	0
25,675	1977	9	25	10	30	0
25,676	1977	9	25	10	45	0
25,677	1977	9	25	11	0	0
25,678	1977	9	25	11	15	0
25,679	1977	9	25	11	30	0
25,680	1977	9	25	11	45	0
25,681	1977	9	25	12	0	0
25,682	1977	9	25	12	15	0
25,683	1977	9	25	12	30	0
25,684	1977	9	25	12	45	0
25,685	1977	9	25	13	0	0
25,686	1977	9	25	13	15	0
25,687	1977	9	25	13	30	0
25,688	1977	9	25	13	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
25,689	1977	9	25	14	0	0
25,690	1977	9	25	14	15	0
25,691	1977	9	25	14	30	0
25,692	1977	9	25	14	45	0
25,693	1977	9	25	15	0	0
25,694	1977	9	25	15	15	0
25,695	1977	9	25	15	30	0
25,696	1977	9	25	15	45	0
25,697	1977	9	25	16	0	0
25,698	1977	9	25	16	15	0
25,699	1977	9	25	16	30	0
25,700	1977	9	25	16	45	0
25,701	1977	9	25	17	0	0
25,702	1977	9	25	17	15	0
25,703	1977	9	25	17	30	0
25,704	1977	9	25	17	45	0
25,705	1977	9	25	18	0	0
25,706	1977	9	25	18	15	0
25,707	1977	9	25	18	30	0
25,708	1977	9	25	18	45	0
25,709	1977	9	25	19	0	0
25,710	1977	9	25	19	15	0
25,711	1977	9	25	19	30	0
25,712	1977	9	25	19	45	0
25,713	1977	9	25	20	0	0
25,714	1977	9	25	20	15	0
25,715	1977	9	25	20	30	0
25,716	1977	9	25	20	45	0
25,717	1977	9	25	21	0	0
25,718	1977	9	25	21	15	0
25,719	1977	9	25	21	30	0
25,720	1977	9	25	21	45	0
25,721	1977	9	25	22	0	0
25,722	1977	9	25	22	15	0
25,723	1977	9	25	22	30	0
25,724	1977	9	25	22	45	0
25,725	1977	9	25	23	0	0
25,726	1977	9	25	23	15	0
25,727	1977	9	25	23	30	0
25,728	1977	9	25	23	45	0
25,729	1977	9	26	0	0	0
25,730	1977	9	26	0	15	0
25,731	1977	9	26	0	30	0
25,732	1977	9	26	0	45	0
25,733	1977	9	26	1	0	0
25,734	1977	9	26	1	15	0
25,735	1977	9	26	1	30	0
25,736	1977	9	26	1	45	0
25,737	1977	9	26	2	0	0
25,738	1977	9	26	2	15	0
25,739	1977	9	26	2	30	0
25,740	1977	9	26	2	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
25,741	1977	9	26	3	0	0
25,742	1977	9	26	3	15	0
25,743	1977	9	26	3	30	0
25,744	1977	9	26	3	45	0
25,745	1977	9	26	4	0	0
25,746	1977	9	26	4	15	0
25,747	1977	9	26	4	30	0
25,748	1977	9	26	4	45	0
25,749	1977	9	26	5	0	0
25,750	1977	9	26	5	15	0
25,751	1977	9	26	5	30	0
25,752	1977	9	26	5	45	0
25,753	1977	9	26	6	0	0
25,754	1977	9	26	6	15	0
25,755	1977	9	26	6	30	0
25,756	1977	9	26	6	45	0
25,757	1977	9	26	7	0	0
25,758	1977	9	26	7	15	0
25,759	1977	9	26	7	30	0
25,760	1977	9	26	7	45	0
25,761	1977	9	26	8	0	0
25,762	1977	9	26	8	15	0
25,763	1977	9	26	8	30	0
25,764	1977	9	26	8	45	0
25,765	1977	9	26	9	0	0
25,766	1977	9	26	9	15	0
25,767	1977	9	26	9	30	0
25,768	1977	9	26	9	45	0
25,769	1977	9	26	10	0	0
25,770	1977	9	26	10	15	0
25,771	1977	9	26	10	30	0
25,772	1977	9	26	10	45	0
25,773	1977	9	26	11	0	0
25,774	1977	9	26	11	15	0
25,775	1977	9	26	11	30	0
25,776	1977	9	26	11	45	0
25,777	1977	9	26	12	0	0
25,778	1977	9	26	12	15	0
25,779	1977	9	26	12	30	0
25,780	1977	9	26	12	45	0
25,781	1977	9	26	13	0	0
25,782	1977	9	26	13	15	0
25,783	1977	9	26	13	30	0
25,784	1977	9	26	13	45	0
25,785	1977	9	26	14	0	0
25,786	1977	9	26	14	15	0
25,787	1977	9	26	14	30	0
25,788	1977	9	26	14	45	0
25,789	1977	9	26	15	0	0
25,790	1977	9	26	15	15	0
25,791	1977	9	26	15	30	0
25,792	1977	9	26	15	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
25,793	1977	9	26	16	0	0
25,794	1977	9	26	16	15	0
25,795	1977	9	26	16	30	0
25,796	1977	9	26	16	45	0
25,797	1977	9	26	17	0	0
25,798	1977	9	26	17	15	0
25,799	1977	9	26	17	30	0
25,800	1977	9	26	17	45	0
25,801	1977	9	26	18	0	0
25,802	1977	9	26	18	15	0
25,803	1977	9	26	18	30	0
25,804	1977	9	26	18	45	0
25,805	1977	9	26	19	0	0
25,806	1977	9	26	19	15	0
25,807	1977	9	26	19	30	0
25,808	1977	9	26	19	45	0
25,809	1977	9	26	20	0	0
25,810	1977	9	26	20	15	0
25,811	1977	9	26	20	30	0
25,812	1977	9	26	20	45	0
25,813	1977	9	26	21	0	0
25,814	1977	9	26	21	15	0
25,815	1977	9	26	21	30	0
25,816	1977	9	26	21	45	0
25,817	1977	9	26	22	0	0
25,818	1977	9	26	22	15	0
25,819	1977	9	26	22	30	0
25,820	1977	9	26	22	45	0
25,821	1977	9	26	23	0	0
25,822	1977	9	26	23	15	0
25,823	1977	9	26	23	30	0
25,824	1977	9	26	23	45	0
25,825	1977	9	27	0	0	0
25,826	1977	9	27	0	15	0
25,827	1977	9	27	0	30	0
25,828	1977	9	27	0	45	0
25,829	1977	9	27	1	0	0
25,830	1977	9	27	1	15	0
25,831	1977	9	27	1	30	0
25,832	1977	9	27	1	45	0
25,833	1977	9	27	2	0	0
25,834	1977	9	27	2	15	0
25,835	1977	9	27	2	30	0
25,836	1977	9	27	2	45	0
25,837	1977	9	27	3	0	0
25,838	1977	9	27	3	15	0
25,839	1977	9	27	3	30	0
25,840	1977	9	27	3	45	0
25,841	1977	9	27	4	0	0
25,842	1977	9	27	4	15	0
25,843	1977	9	27	4	30	0
25,844	1977	9	27	4	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
25,845	1977	9	27	5	0	0
25,846	1977	9	27	5	15	0
25,847	1977	9	27	5	30	0
25,848	1977	9	27	5	45	0
25,849	1977	9	27	6	0	0
25,850	1977	9	27	6	15	0
25,851	1977	9	27	6	30	0
25,852	1977	9	27	6	45	0
25,853	1977	9	27	7	0	0
25,854	1977	9	27	7	15	0
25,855	1977	9	27	7	30	0
25,856	1977	9	27	7	45	0
25,857	1977	9	27	8	0	0
25,858	1977	9	27	8	15	0
25,859	1977	9	27	8	30	0
25,860	1977	9	27	8	45	0
25,861	1977	9	27	9	0	0
25,862	1977	9	27	9	15	0
25,863	1977	9	27	9	30	0
25,864	1977	9	27	9	45	0
25,865	1977	9	27	10	0	0
25,866	1977	9	27	10	15	0
25,867	1977	9	27	10	30	0
25,868	1977	9	27	10	45	0
25,869	1977	9	27	11	0	0
25,870	1977	9	27	11	15	0
25,871	1977	9	27	11	30	0
25,872	1977	9	27	11	45	0
25,873	1977	9	27	12	0	0
25,874	1977	9	27	12	15	0
25,875	1977	9	27	12	30	0
25,876	1977	9	27	12	45	0
25,877	1977	9	27	13	0	0
25,878	1977	9	27	13	15	0
25,879	1977	9	27	13	30	0
25,880	1977	9	27	13	45	0
25,881	1977	9	27	14	0	0
25,882	1977	9	27	14	15	0
25,883	1977	9	27	14	30	0
25,884	1977	9	27	14	45	0
25,885	1977	9	27	15	0	0
25,886	1977	9	27	15	15	0
25,887	1977	9	27	15	30	0
25,888	1977	9	27	15	45	0
25,889	1977	9	27	16	0	0
25,890	1977	9	27	16	15	0
25,891	1977	9	27	16	30	0
25,892	1977	9	27	16	45	0
25,893	1977	9	27	17	0	0
25,894	1977	9	27	17	15	0
25,895	1977	9	27	17	30	0
25,896	1977	9	27	17	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
25,897	1977	9	27	18	0	0
25,898	1977	9	27	18	15	0
25,899	1977	9	27	18	30	0
25,900	1977	9	27	18	45	0
25,901	1977	9	27	19	0	0
25,902	1977	9	27	19	15	0
25,903	1977	9	27	19	30	0
25,904	1977	9	27	19	45	0
25,905	1977	9	27	20	0	0
25,906	1977	9	27	20	15	0
25,907	1977	9	27	20	30	0
25,908	1977	9	27	20	45	0
25,909	1977	9	27	21	0	0
25,910	1977	9	27	21	15	0
25,911	1977	9	27	21	30	0
25,912	1977	9	27	21	45	0
25,913	1977	9	27	22	0	0
25,914	1977	9	27	22	15	0
25,915	1977	9	27	22	30	0
25,916	1977	9	27	22	45	0
25,917	1977	9	27	23	0	0
25,918	1977	9	27	23	15	0
25,919	1977	9	27	23	30	0
25,920	1977	9	27	23	45	0
25,921	1977	9	28	0	0	0
25,922	1977	9	28	0	15	0
25,923	1977	9	28	0	30	0
25,924	1977	9	28	0	45	0
25,925	1977	9	28	1	0	0
25,926	1977	9	28	1	15	0
25,927	1977	9	28	1	30	0
25,928	1977	9	28	1	45	0
25,929	1977	9	28	2	0	0
25,930	1977	9	28	2	15	0
25,931	1977	9	28	2	30	0
25,932	1977	9	28	2	45	0
25,933	1977	9	28	3	0	0
25,934	1977	9	28	3	15	0
25,935	1977	9	28	3	30	0
25,936	1977	9	28	3	45	0
25,937	1977	9	28	4	0	0
25,938	1977	9	28	4	15	0
25,939	1977	9	28	4	30	0
25,940	1977	9	28	4	45	0
25,941	1977	9	28	5	0	0
25,942	1977	9	28	5	15	0
25,943	1977	9	28	5	30	0
25,944	1977	9	28	5	45	0
25,945	1977	9	28	6	0	0
25,946	1977	9	28	6	15	0
25,947	1977	9	28	6	30	0
25,948	1977	9	28	6	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
25,949	1977	9	28	7	0	0
25,950	1977	9	28	7	15	0
25,951	1977	9	28	7	30	0
25,952	1977	9	28	7	45	0
25,953	1977	9	28	8	0	0.0025
25,954	1977	9	28	8	15	0.0025
25,955	1977	9	28	8	30	0.0025
25,956	1977	9	28	8	45	0.0025
25,957	1977	9	28	9	0	0
25,958	1977	9	28	9	15	0
25,959	1977	9	28	9	30	0
25,960	1977	9	28	9	45	0
25,961	1977	9	28	10	0	0
25,962	1977	9	28	10	15	0
25,963	1977	9	28	10	30	0
25,964	1977	9	28	10	45	0
25,965	1977	9	28	11	0	0
25,966	1977	9	28	11	15	0
25,967	1977	9	28	11	30	0
25,968	1977	9	28	11	45	0
25,969	1977	9	28	12	0	0
25,970	1977	9	28	12	15	0
25,971	1977	9	28	12	30	0
25,972	1977	9	28	12	45	0
25,973	1977	9	28	13	0	0
25,974	1977	9	28	13	15	0
25,975	1977	9	28	13	30	0
25,976	1977	9	28	13	45	0
25,977	1977	9	28	14	0	0
25,978	1977	9	28	14	15	0
25,979	1977	9	28	14	30	0
25,980	1977	9	28	14	45	0
25,981	1977	9	28	15	0	0
25,982	1977	9	28	15	15	0
25,983	1977	9	28	15	30	0
25,984	1977	9	28	15	45	0
25,985	1977	9	28	16	0	0
25,986	1977	9	28	16	15	0
25,987	1977	9	28	16	30	0
25,988	1977	9	28	16	45	0
25,989	1977	9	28	17	0	0
25,990	1977	9	28	17	15	0
25,991	1977	9	28	17	30	0
25,992	1977	9	28	17	45	0
25,993	1977	9	28	18	0	0
25,994	1977	9	28	18	15	0
25,995	1977	9	28	18	30	0
25,996	1977	9	28	18	45	0
25,997	1977	9	28	19	0	0
25,998	1977	9	28	19	15	0
25,999	1977	9	28	19	30	0
26,000	1977	9	28	19	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
26,001	1977	9	28	20	0	0
26,002	1977	9	28	20	15	0
26,003	1977	9	28	20	30	0
26,004	1977	9	28	20	45	0
26,005	1977	9	28	21	0	0
26,006	1977	9	28	21	15	0
26,007	1977	9	28	21	30	0
26,008	1977	9	28	21	45	0
26,009	1977	9	28	22	0	0
26,010	1977	9	28	22	15	0
26,011	1977	9	28	22	30	0
26,012	1977	9	28	22	45	0
26,013	1977	9	28	23	0	0
26,014	1977	9	28	23	15	0
26,015	1977	9	28	23	30	0
26,016	1977	9	28	23	45	0
26,017	1977	9	29	0	0	0
26,018	1977	9	29	0	15	0
26,019	1977	9	29	0	30	0
26,020	1977	9	29	0	45	0
26,021	1977	9	29	1	0	0
26,022	1977	9	29	1	15	0
26,023	1977	9	29	1	30	0
26,024	1977	9	29	1	45	0
26,025	1977	9	29	2	0	0
26,026	1977	9	29	2	15	0
26,027	1977	9	29	2	30	0
26,028	1977	9	29	2	45	0
26,029	1977	9	29	3	0	0
26,030	1977	9	29	3	15	0
26,031	1977	9	29	3	30	0
26,032	1977	9	29	3	45	0
26,033	1977	9	29	4	0	0
26,034	1977	9	29	4	15	0
26,035	1977	9	29	4	30	0
26,036	1977	9	29	4	45	0
26,037	1977	9	29	5	0	0
26,038	1977	9	29	5	15	0
26,039	1977	9	29	5	30	0
26,040	1977	9	29	5	45	0
26,041	1977	9	29	6	0	0
26,042	1977	9	29	6	15	0
26,043	1977	9	29	6	30	0
26,044	1977	9	29	6	45	0
26,045	1977	9	29	7	0	0
26,046	1977	9	29	7	15	0
26,047	1977	9	29	7	30	0
26,048	1977	9	29	7	45	0
26,049	1977	9	29	8	0	0
26,050	1977	9	29	8	15	0
26,051	1977	9	29	8	30	0
26,052	1977	9	29	8	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
26,053	1977	9	29	9	0	0
26,054	1977	9	29	9	15	0
26,055	1977	9	29	9	30	0
26,056	1977	9	29	9	45	0
26,057	1977	9	29	10	0	0
26,058	1977	9	29	10	15	0
26,059	1977	9	29	10	30	0
26,060	1977	9	29	10	45	0
26,061	1977	9	29	11	0	0
26,062	1977	9	29	11	15	0
26,063	1977	9	29	11	30	0
26,064	1977	9	29	11	45	0
26,065	1977	9	29	12	0	0
26,066	1977	9	29	12	15	0
26,067	1977	9	29	12	30	0
26,068	1977	9	29	12	45	0
26,069	1977	9	29	13	0	0
26,070	1977	9	29	13	15	0
26,071	1977	9	29	13	30	0
26,072	1977	9	29	13	45	0
26,073	1977	9	29	14	0	0
26,074	1977	9	29	14	15	0
26,075	1977	9	29	14	30	0
26,076	1977	9	29	14	45	0
26,077	1977	9	29	15	0	0
26,078	1977	9	29	15	15	0
26,079	1977	9	29	15	30	0
26,080	1977	9	29	15	45	0
26,081	1977	9	29	16	0	0
26,082	1977	9	29	16	15	0
26,083	1977	9	29	16	30	0
26,084	1977	9	29	16	45	0
26,085	1977	9	29	17	0	0
26,086	1977	9	29	17	15	0
26,087	1977	9	29	17	30	0
26,088	1977	9	29	17	45	0
26,089	1977	9	29	18	0	0
26,090	1977	9	29	18	15	0
26,091	1977	9	29	18	30	0
26,092	1977	9	29	18	45	0
26,093	1977	9	29	19	0	0
26,094	1977	9	29	19	15	0
26,095	1977	9	29	19	30	0
26,096	1977	9	29	19	45	0
26,097	1977	9	29	20	0	0
26,098	1977	9	29	20	15	0
26,099	1977	9	29	20	30	0
26,100	1977	9	29	20	45	0
26,101	1977	9	29	21	0	0
26,102	1977	9	29	21	15	0
26,103	1977	9	29	21	30	0
26,104	1977	9	29	21	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
26,105	1977	9	29	22	0	0
26,106	1977	9	29	22	15	0
26,107	1977	9	29	22	30	0
26,108	1977	9	29	22	45	0
26,109	1977	9	29	23	0	0
26,110	1977	9	29	23	15	0
26,111	1977	9	29	23	30	0
26,112	1977	9	29	23	45	0
26,113	1977	9	30	0	0	0
26,114	1977	9	30	0	15	0
26,115	1977	9	30	0	30	0
26,116	1977	9	30	0	45	0
26,117	1977	9	30	1	0	0
26,118	1977	9	30	1	15	0
26,119	1977	9	30	1	30	0
26,120	1977	9	30	1	45	0
26,121	1977	9	30	2	0	0
26,122	1977	9	30	2	15	0
26,123	1977	9	30	2	30	0
26,124	1977	9	30	2	45	0
26,125	1977	9	30	3	0	0
26,126	1977	9	30	3	15	0
26,127	1977	9	30	3	30	0
26,128	1977	9	30	3	45	0
26,129	1977	9	30	4	0	0
26,130	1977	9	30	4	15	0
26,131	1977	9	30	4	30	0
26,132	1977	9	30	4	45	0
26,133	1977	9	30	5	0	0
26,134	1977	9	30	5	15	0
26,135	1977	9	30	5	30	0
26,136	1977	9	30	5	45	0
26,137	1977	9	30	6	0	0
26,138	1977	9	30	6	15	0
26,139	1977	9	30	6	30	0
26,140	1977	9	30	6	45	0
26,141	1977	9	30	7	0	0
26,142	1977	9	30	7	15	0
26,143	1977	9	30	7	30	0
26,144	1977	9	30	7	45	0
26,145	1977	9	30	8	0	0
26,146	1977	9	30	8	15	0
26,147	1977	9	30	8	30	0
26,148	1977	9	30	8	45	0
26,149	1977	9	30	9	0	0
26,150	1977	9	30	9	15	0
26,151	1977	9	30	9	30	0
26,152	1977	9	30	9	45	0
26,153	1977	9	30	10	0	0
26,154	1977	9	30	10	15	0
26,155	1977	9	30	10	30	0
26,156	1977	9	30	10	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
26,157	1977	9	30	11	0	0
26,158	1977	9	30	11	15	0
26,159	1977	9	30	11	30	0
26,160	1977	9	30	11	45	0
26,161	1977	9	30	12	0	0
26,162	1977	9	30	12	15	0
26,163	1977	9	30	12	30	0
26,164	1977	9	30	12	45	0
26,165	1977	9	30	13	0	0
26,166	1977	9	30	13	15	0
26,167	1977	9	30	13	30	0
26,168	1977	9	30	13	45	0
26,169	1977	9	30	14	0	0
26,170	1977	9	30	14	15	0
26,171	1977	9	30	14	30	0
26,172	1977	9	30	14	45	0
26,173	1977	9	30	15	0	0
26,174	1977	9	30	15	15	0
26,175	1977	9	30	15	30	0
26,176	1977	9	30	15	45	0
26,177	1977	9	30	16	0	0
26,178	1977	9	30	16	15	0
26,179	1977	9	30	16	30	0
26,180	1977	9	30	16	45	0
26,181	1977	9	30	17	0	0
26,182	1977	9	30	17	15	0
26,183	1977	9	30	17	30	0
26,184	1977	9	30	17	45	0
26,185	1977	9	30	18	0	0
26,186	1977	9	30	18	15	0
26,187	1977	9	30	18	30	0
26,188	1977	9	30	18	45	0
26,189	1977	9	30	19	0	0
26,190	1977	9	30	19	15	0
26,191	1977	9	30	19	30	0
26,192	1977	9	30	19	45	0
26,193	1977	9	30	20	0	0
26,194	1977	9	30	20	15	0
26,195	1977	9	30	20	30	0
26,196	1977	9	30	20	45	0
26,197	1977	9	30	21	0	0
26,198	1977	9	30	21	15	0
26,199	1977	9	30	21	30	0
26,200	1977	9	30	21	45	0
26,201	1977	9	30	22	0	0
26,202	1977	9	30	22	15	0
26,203	1977	9	30	22	30	0
26,204	1977	9	30	22	45	0
26,205	1977	9	30	23	0	0
26,206	1977	9	30	23	15	0
26,207	1977	9	30	23	30	0
26,208	1977	9	30	23	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
26,209	1977	10	1	0	0	0
26,210	1977	10	1	0	15	0
26,211	1977	10	1	0	30	0
26,212	1977	10	1	0	45	0
26,213	1977	10	1	1	0	0
26,214	1977	10	1	1	15	0
26,215	1977	10	1	1	30	0
26,216	1977	10	1	1	45	0
26,217	1977	10	1	2	0	0
26,218	1977	10	1	2	15	0
26,219	1977	10	1	2	30	0
26,220	1977	10	1	2	45	0
26,221	1977	10	1	3	0	0
26,222	1977	10	1	3	15	0
26,223	1977	10	1	3	30	0
26,224	1977	10	1	3	45	0
26,225	1977	10	1	4	0	0
26,226	1977	10	1	4	15	0
26,227	1977	10	1	4	30	0
26,228	1977	10	1	4	45	0
26,229	1977	10	1	5	0	0
26,230	1977	10	1	5	15	0
26,231	1977	10	1	5	30	0
26,232	1977	10	1	5	45	0
26,233	1977	10	1	6	0	0
26,234	1977	10	1	6	15	0
26,235	1977	10	1	6	30	0
26,236	1977	10	1	6	45	0
26,237	1977	10	1	7	0	0.0375
26,238	1977	10	1	7	15	0.0375
26,239	1977	10	1	7	30	0.0375
26,240	1977	10	1	7	45	0.0375
26,241	1977	10	1	8	0	0.0325
26,242	1977	10	1	8	15	0.0325
26,243	1977	10	1	8	30	0.0325
26,244	1977	10	1	8	45	0.0325
26,245	1977	10	1	9	0	0.0075
26,246	1977	10	1	9	15	0.0075
26,247	1977	10	1	9	30	0.0075
26,248	1977	10	1	9	45	0.0075
26,249	1977	10	1	10	0	0
26,250	1977	10	1	10	15	0
26,251	1977	10	1	10	30	0
26,252	1977	10	1	10	45	0
26,253	1977	10	1	11	0	0
26,254	1977	10	1	11	15	0
26,255	1977	10	1	11	30	0
26,256	1977	10	1	11	45	0
26,257	1977	10	1	12	0	0
26,258	1977	10	1	12	15	0
26,259	1977	10	1	12	30	0
26,260	1977	10	1	12	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
26,261	1977	10	1	13	0	0
26,262	1977	10	1	13	15	0
26,263	1977	10	1	13	30	0
26,264	1977	10	1	13	45	0
26,265	1977	10	1	14	0	0
26,266	1977	10	1	14	15	0
26,267	1977	10	1	14	30	0
26,268	1977	10	1	14	45	0
26,269	1977	10	1	15	0	0
26,270	1977	10	1	15	15	0
26,271	1977	10	1	15	30	0
26,272	1977	10	1	15	45	0
26,273	1977	10	1	16	0	0
26,274	1977	10	1	16	15	0
26,275	1977	10	1	16	30	0
26,276	1977	10	1	16	45	0
26,277	1977	10	1	17	0	0
26,278	1977	10	1	17	15	0
26,279	1977	10	1	17	30	0
26,280	1977	10	1	17	45	0
26,281	1977	10	1	18	0	0
26,282	1977	10	1	18	15	0
26,283	1977	10	1	18	30	0
26,284	1977	10	1	18	45	0
26,285	1977	10	1	19	0	0
26,286	1977	10	1	19	15	0
26,287	1977	10	1	19	30	0
26,288	1977	10	1	19	45	0
26,289	1977	10	1	20	0	0
26,290	1977	10	1	20	15	0
26,291	1977	10	1	20	30	0
26,292	1977	10	1	20	45	0
26,293	1977	10	1	21	0	0
26,294	1977	10	1	21	15	0
26,295	1977	10	1	21	30	0
26,296	1977	10	1	21	45	0
26,297	1977	10	1	22	0	0
26,298	1977	10	1	22	15	0
26,299	1977	10	1	22	30	0
26,300	1977	10	1	22	45	0
26,301	1977	10	1	23	0	0
26,302	1977	10	1	23	15	0
26,303	1977	10	1	23	30	0
26,304	1977	10	1	23	45	0
26,305	1977	10	2	0	0	0
26,306	1977	10	2	0	15	0
26,307	1977	10	2	0	30	0
26,308	1977	10	2	0	45	0
26,309	1977	10	2	1	0	0
26,310	1977	10	2	1	15	0
26,311	1977	10	2	1	30	0
26,312	1977	10	2	1	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
26,313	1977	10	2	2	0	0
26,314	1977	10	2	2	15	0
26,315	1977	10	2	2	30	0
26,316	1977	10	2	2	45	0
26,317	1977	10	2	3	0	0.005
26,318	1977	10	2	3	15	0.005
26,319	1977	10	2	3	30	0.005
26,320	1977	10	2	3	45	0.005
26,321	1977	10	2	4	0	0.0075
26,322	1977	10	2	4	15	0.0075
26,323	1977	10	2	4	30	0.0075
26,324	1977	10	2	4	45	0.0075
26,325	1977	10	2	5	0	0.0075
26,326	1977	10	2	5	15	0.0075
26,327	1977	10	2	5	30	0.0075
26,328	1977	10	2	5	45	0.0075
26,329	1977	10	2	6	0	0.005
26,330	1977	10	2	6	15	0.005
26,331	1977	10	2	6	30	0.005
26,332	1977	10	2	6	45	0.005
26,333	1977	10	2	7	0	0
26,334	1977	10	2	7	15	0
26,335	1977	10	2	7	30	0
26,336	1977	10	2	7	45	0
26,337	1977	10	2	8	0	0
26,338	1977	10	2	8	15	0
26,339	1977	10	2	8	30	0
26,340	1977	10	2	8	45	0
26,341	1977	10	2	9	0	0
26,342	1977	10	2	9	15	0
26,343	1977	10	2	9	30	0
26,344	1977	10	2	9	45	0
26,345	1977	10	2	10	0	0
26,346	1977	10	2	10	15	0
26,347	1977	10	2	10	30	0
26,348	1977	10	2	10	45	0
26,349	1977	10	2	11	0	0
26,350	1977	10	2	11	15	0
26,351	1977	10	2	11	30	0
26,352	1977	10	2	11	45	0
26,353	1977	10	2	12	0	0
26,354	1977	10	2	12	15	0
26,355	1977	10	2	12	30	0
26,356	1977	10	2	12	45	0
26,357	1977	10	2	13	0	0
26,358	1977	10	2	13	15	0
26,359	1977	10	2	13	30	0
26,360	1977	10	2	13	45	0
26,361	1977	10	2	14	0	0
26,362	1977	10	2	14	15	0
26,363	1977	10	2	14	30	0
26,364	1977	10	2	14	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
26,365	1977	10	2	15	0	0
26,366	1977	10	2	15	15	0
26,367	1977	10	2	15	30	0
26,368	1977	10	2	15	45	0
26,369	1977	10	2	16	0	0
26,370	1977	10	2	16	15	0
26,371	1977	10	2	16	30	0
26,372	1977	10	2	16	45	0
26,373	1977	10	2	17	0	0
26,374	1977	10	2	17	15	0
26,375	1977	10	2	17	30	0
26,376	1977	10	2	17	45	0
26,377	1977	10	2	18	0	0
26,378	1977	10	2	18	15	0
26,379	1977	10	2	18	30	0
26,380	1977	10	2	18	45	0
26,381	1977	10	2	19	0	0
26,382	1977	10	2	19	15	0
26,383	1977	10	2	19	30	0
26,384	1977	10	2	19	45	0
26,385	1977	10	2	20	0	0
26,386	1977	10	2	20	15	0
26,387	1977	10	2	20	30	0
26,388	1977	10	2	20	45	0
26,389	1977	10	2	21	0	0
26,390	1977	10	2	21	15	0
26,391	1977	10	2	21	30	0
26,392	1977	10	2	21	45	0
26,393	1977	10	2	22	0	0
26,394	1977	10	2	22	15	0
26,395	1977	10	2	22	30	0
26,396	1977	10	2	22	45	0
26,397	1977	10	2	23	0	0
26,398	1977	10	2	23	15	0
26,399	1977	10	2	23	30	0
26,400	1977	10	2	23	45	0
26,401	1977	10	3	0	0	0
26,402	1977	10	3	0	15	0
26,403	1977	10	3	0	30	0
26,404	1977	10	3	0	45	0
26,405	1977	10	3	1	0	0
26,406	1977	10	3	1	15	0
26,407	1977	10	3	1	30	0
26,408	1977	10	3	1	45	0
26,409	1977	10	3	2	0	0
26,410	1977	10	3	2	15	0
26,411	1977	10	3	2	30	0
26,412	1977	10	3	2	45	0
26,413	1977	10	3	3	0	0
26,414	1977	10	3	3	15	0
26,415	1977	10	3	3	30	0
26,416	1977	10	3	3	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
26,417	1977	10	3	4	0	0
26,418	1977	10	3	4	15	0
26,419	1977	10	3	4	30	0
26,420	1977	10	3	4	45	0
26,421	1977	10	3	5	0	0
26,422	1977	10	3	5	15	0
26,423	1977	10	3	5	30	0
26,424	1977	10	3	5	45	0
26,425	1977	10	3	6	0	0
26,426	1977	10	3	6	15	0
26,427	1977	10	3	6	30	0
26,428	1977	10	3	6	45	0
26,429	1977	10	3	7	0	0
26,430	1977	10	3	7	15	0
26,431	1977	10	3	7	30	0
26,432	1977	10	3	7	45	0
26,433	1977	10	3	8	0	0
26,434	1977	10	3	8	15	0
26,435	1977	10	3	8	30	0
26,436	1977	10	3	8	45	0
26,437	1977	10	3	9	0	0
26,438	1977	10	3	9	15	0
26,439	1977	10	3	9	30	0
26,440	1977	10	3	9	45	0
26,441	1977	10	3	10	0	0
26,442	1977	10	3	10	15	0
26,443	1977	10	3	10	30	0
26,444	1977	10	3	10	45	0
26,445	1977	10	3	11	0	0
26,446	1977	10	3	11	15	0
26,447	1977	10	3	11	30	0
26,448	1977	10	3	11	45	0
26,449	1977	10	3	12	0	0
26,450	1977	10	3	12	15	0
26,451	1977	10	3	12	30	0
26,452	1977	10	3	12	45	0
26,453	1977	10	3	13	0	0
26,454	1977	10	3	13	15	0
26,455	1977	10	3	13	30	0
26,456	1977	10	3	13	45	0
26,457	1977	10	3	14	0	0
26,458	1977	10	3	14	15	0
26,459	1977	10	3	14	30	0
26,460	1977	10	3	14	45	0
26,461	1977	10	3	15	0	0
26,462	1977	10	3	15	15	0
26,463	1977	10	3	15	30	0
26,464	1977	10	3	15	45	0
26,465	1977	10	3	16	0	0
26,466	1977	10	3	16	15	0
26,467	1977	10	3	16	30	0
26,468	1977	10	3	16	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
26,469	1977	10	3	17	0	0
26,470	1977	10	3	17	15	0
26,471	1977	10	3	17	30	0
26,472	1977	10	3	17	45	0
26,473	1977	10	3	18	0	0
26,474	1977	10	3	18	15	0
26,475	1977	10	3	18	30	0
26,476	1977	10	3	18	45	0
26,477	1977	10	3	19	0	0
26,478	1977	10	3	19	15	0
26,479	1977	10	3	19	30	0
26,480	1977	10	3	19	45	0
26,481	1977	10	3	20	0	0
26,482	1977	10	3	20	15	0
26,483	1977	10	3	20	30	0
26,484	1977	10	3	20	45	0
26,485	1977	10	3	21	0	0
26,486	1977	10	3	21	15	0
26,487	1977	10	3	21	30	0
26,488	1977	10	3	21	45	0
26,489	1977	10	3	22	0	0
26,490	1977	10	3	22	15	0
26,491	1977	10	3	22	30	0
26,492	1977	10	3	22	45	0
26,493	1977	10	3	23	0	0
26,494	1977	10	3	23	15	0
26,495	1977	10	3	23	30	0
26,496	1977	10	3	23	45	0
26,497	1977	10	4	0	0	0
26,498	1977	10	4	0	15	0
26,499	1977	10	4	0	30	0
26,500	1977	10	4	0	45	0
26,501	1977	10	4	1	0	0
26,502	1977	10	4	1	15	0
26,503	1977	10	4	1	30	0
26,504	1977	10	4	1	45	0
26,505	1977	10	4	2	0	0
26,506	1977	10	4	2	15	0
26,507	1977	10	4	2	30	0
26,508	1977	10	4	2	45	0
26,509	1977	10	4	3	0	0
26,510	1977	10	4	3	15	0
26,511	1977	10	4	3	30	0
26,512	1977	10	4	3	45	0
26,513	1977	10	4	4	0	0
26,514	1977	10	4	4	15	0
26,515	1977	10	4	4	30	0
26,516	1977	10	4	4	45	0
26,517	1977	10	4	5	0	0
26,518	1977	10	4	5	15	0
26,519	1977	10	4	5	30	0
26,520	1977	10	4	5	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
26,521	1977	10	4	6	0	0
26,522	1977	10	4	6	15	0
26,523	1977	10	4	6	30	0
26,524	1977	10	4	6	45	0
26,525	1977	10	4	7	0	0
26,526	1977	10	4	7	15	0
26,527	1977	10	4	7	30	0
26,528	1977	10	4	7	45	0
26,529	1977	10	4	8	0	0
26,530	1977	10	4	8	15	0
26,531	1977	10	4	8	30	0
26,532	1977	10	4	8	45	0
26,533	1977	10	4	9	0	0
26,534	1977	10	4	9	15	0
26,535	1977	10	4	9	30	0
26,536	1977	10	4	9	45	0
26,537	1977	10	4	10	0	0
26,538	1977	10	4	10	15	0
26,539	1977	10	4	10	30	0
26,540	1977	10	4	10	45	0
26,541	1977	10	4	11	0	0
26,542	1977	10	4	11	15	0
26,543	1977	10	4	11	30	0
26,544	1977	10	4	11	45	0
26,545	1977	10	4	12	0	0
26,546	1977	10	4	12	15	0
26,547	1977	10	4	12	30	0
26,548	1977	10	4	12	45	0
26,549	1977	10	4	13	0	0
26,550	1977	10	4	13	15	0
26,551	1977	10	4	13	30	0
26,552	1977	10	4	13	45	0
26,553	1977	10	4	14	0	0
26,554	1977	10	4	14	15	0
26,555	1977	10	4	14	30	0
26,556	1977	10	4	14	45	0
26,557	1977	10	4	15	0	0
26,558	1977	10	4	15	15	0
26,559	1977	10	4	15	30	0
26,560	1977	10	4	15	45	0
26,561	1977	10	4	16	0	0
26,562	1977	10	4	16	15	0
26,563	1977	10	4	16	30	0
26,564	1977	10	4	16	45	0
26,565	1977	10	4	17	0	0
26,566	1977	10	4	17	15	0
26,567	1977	10	4	17	30	0
26,568	1977	10	4	17	45	0
26,569	1977	10	4	18	0	0
26,570	1977	10	4	18	15	0
26,571	1977	10	4	18	30	0
26,572	1977	10	4	18	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
26,573	1977	10	4	19	0	0
26,574	1977	10	4	19	15	0
26,575	1977	10	4	19	30	0
26,576	1977	10	4	19	45	0
26,577	1977	10	4	20	0	0
26,578	1977	10	4	20	15	0
26,579	1977	10	4	20	30	0
26,580	1977	10	4	20	45	0
26,581	1977	10	4	21	0	0
26,582	1977	10	4	21	15	0
26,583	1977	10	4	21	30	0
26,584	1977	10	4	21	45	0
26,585	1977	10	4	22	0	0
26,586	1977	10	4	22	15	0
26,587	1977	10	4	22	30	0
26,588	1977	10	4	22	45	0
26,589	1977	10	4	23	0	0
26,590	1977	10	4	23	15	0
26,591	1977	10	4	23	30	0
26,592	1977	10	4	23	45	0
26,593	1977	10	5	0	0	0
26,594	1977	10	5	0	15	0
26,595	1977	10	5	0	30	0
26,596	1977	10	5	0	45	0
26,597	1977	10	5	1	0	0
26,598	1977	10	5	1	15	0
26,599	1977	10	5	1	30	0
26,600	1977	10	5	1	45	0
26,601	1977	10	5	2	0	0
26,602	1977	10	5	2	15	0
26,603	1977	10	5	2	30	0
26,604	1977	10	5	2	45	0
26,605	1977	10	5	3	0	0
26,606	1977	10	5	3	15	0
26,607	1977	10	5	3	30	0
26,608	1977	10	5	3	45	0
26,609	1977	10	5	4	0	0
26,610	1977	10	5	4	15	0
26,611	1977	10	5	4	30	0
26,612	1977	10	5	4	45	0
26,613	1977	10	5	5	0	0
26,614	1977	10	5	5	15	0
26,615	1977	10	5	5	30	0
26,616	1977	10	5	5	45	0
26,617	1977	10	5	6	0	0
26,618	1977	10	5	6	15	0
26,619	1977	10	5	6	30	0
26,620	1977	10	5	6	45	0
26,621	1977	10	5	7	0	0
26,622	1977	10	5	7	15	0
26,623	1977	10	5	7	30	0
26,624	1977	10	5	7	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
26,625	1977	10	5	8	0	0
26,626	1977	10	5	8	15	0
26,627	1977	10	5	8	30	0
26,628	1977	10	5	8	45	0
26,629	1977	10	5	9	0	0
26,630	1977	10	5	9	15	0
26,631	1977	10	5	9	30	0
26,632	1977	10	5	9	45	0
26,633	1977	10	5	10	0	0
26,634	1977	10	5	10	15	0
26,635	1977	10	5	10	30	0
26,636	1977	10	5	10	45	0
26,637	1977	10	5	11	0	0
26,638	1977	10	5	11	15	0
26,639	1977	10	5	11	30	0
26,640	1977	10	5	11	45	0
26,641	1977	10	5	12	0	0
26,642	1977	10	5	12	15	0
26,643	1977	10	5	12	30	0
26,644	1977	10	5	12	45	0
26,645	1977	10	5	13	0	0
26,646	1977	10	5	13	15	0
26,647	1977	10	5	13	30	0
26,648	1977	10	5	13	45	0
26,649	1977	10	5	14	0	0
26,650	1977	10	5	14	15	0
26,651	1977	10	5	14	30	0
26,652	1977	10	5	14	45	0
26,653	1977	10	5	15	0	0
26,654	1977	10	5	15	15	0
26,655	1977	10	5	15	30	0
26,656	1977	10	5	15	45	0
26,657	1977	10	5	16	0	0
26,658	1977	10	5	16	15	0
26,659	1977	10	5	16	30	0
26,660	1977	10	5	16	45	0
26,661	1977	10	5	17	0	0
26,662	1977	10	5	17	15	0
26,663	1977	10	5	17	30	0
26,664	1977	10	5	17	45	0
26,665	1977	10	5	18	0	0
26,666	1977	10	5	18	15	0
26,667	1977	10	5	18	30	0
26,668	1977	10	5	18	45	0
26,669	1977	10	5	19	0	0
26,670	1977	10	5	19	15	0
26,671	1977	10	5	19	30	0
26,672	1977	10	5	19	45	0
26,673	1977	10	5	20	0	0
26,674	1977	10	5	20	15	0
26,675	1977	10	5	20	30	0
26,676	1977	10	5	20	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
26,677	1977	10	5	21	0	0
26,678	1977	10	5	21	15	0
26,679	1977	10	5	21	30	0
26,680	1977	10	5	21	45	0
26,681	1977	10	5	22	0	0
26,682	1977	10	5	22	15	0
26,683	1977	10	5	22	30	0
26,684	1977	10	5	22	45	0
26,685	1977	10	5	23	0	0
26,686	1977	10	5	23	15	0
26,687	1977	10	5	23	30	0
26,688	1977	10	5	23	45	0
26,689	1977	10	6	0	0	0
26,690	1977	10	6	0	15	0
26,691	1977	10	6	0	30	0
26,692	1977	10	6	0	45	0
26,693	1977	10	6	1	0	0
26,694	1977	10	6	1	15	0
26,695	1977	10	6	1	30	0
26,696	1977	10	6	1	45	0
26,697	1977	10	6	2	0	0.015
26,698	1977	10	6	2	15	0.015
26,699	1977	10	6	2	30	0.015
26,700	1977	10	6	2	45	0.015
26,701	1977	10	6	3	0	0.01
26,702	1977	10	6	3	15	0.01
26,703	1977	10	6	3	30	0.01
26,704	1977	10	6	3	45	0.01
26,705	1977	10	6	4	0	0
26,706	1977	10	6	4	15	0
26,707	1977	10	6	4	30	0
26,708	1977	10	6	4	45	0
26,709	1977	10	6	5	0	0
26,710	1977	10	6	5	15	0
26,711	1977	10	6	5	30	0
26,712	1977	10	6	5	45	0
26,713	1977	10	6	6	0	0
26,714	1977	10	6	6	15	0
26,715	1977	10	6	6	30	0
26,716	1977	10	6	6	45	0
26,717	1977	10	6	7	0	0
26,718	1977	10	6	7	15	0
26,719	1977	10	6	7	30	0
26,720	1977	10	6	7	45	0
26,721	1977	10	6	8	0	0
26,722	1977	10	6	8	15	0
26,723	1977	10	6	8	30	0
26,724	1977	10	6	8	45	0
26,725	1977	10	6	9	0	0
26,726	1977	10	6	9	15	0
26,727	1977	10	6	9	30	0
26,728	1977	10	6	9	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
26,729	1977	10	6	10	0	0
26,730	1977	10	6	10	15	0
26,731	1977	10	6	10	30	0
26,732	1977	10	6	10	45	0
26,733	1977	10	6	11	0	0
26,734	1977	10	6	11	15	0
26,735	1977	10	6	11	30	0
26,736	1977	10	6	11	45	0
26,737	1977	10	6	12	0	0
26,738	1977	10	6	12	15	0
26,739	1977	10	6	12	30	0
26,740	1977	10	6	12	45	0
26,741	1977	10	6	13	0	0
26,742	1977	10	6	13	15	0
26,743	1977	10	6	13	30	0
26,744	1977	10	6	13	45	0
26,745	1977	10	6	14	0	0
26,746	1977	10	6	14	15	0
26,747	1977	10	6	14	30	0
26,748	1977	10	6	14	45	0
26,749	1977	10	6	15	0	0
26,750	1977	10	6	15	15	0
26,751	1977	10	6	15	30	0
26,752	1977	10	6	15	45	0
26,753	1977	10	6	16	0	0
26,754	1977	10	6	16	15	0
26,755	1977	10	6	16	30	0
26,756	1977	10	6	16	45	0
26,757	1977	10	6	17	0	0
26,758	1977	10	6	17	15	0
26,759	1977	10	6	17	30	0
26,760	1977	10	6	17	45	0
26,761	1977	10	6	18	0	0
26,762	1977	10	6	18	15	0
26,763	1977	10	6	18	30	0
26,764	1977	10	6	18	45	0
26,765	1977	10	6	19	0	0
26,766	1977	10	6	19	15	0
26,767	1977	10	6	19	30	0
26,768	1977	10	6	19	45	0
26,769	1977	10	6	20	0	0
26,770	1977	10	6	20	15	0
26,771	1977	10	6	20	30	0
26,772	1977	10	6	20	45	0
26,773	1977	10	6	21	0	0
26,774	1977	10	6	21	15	0
26,775	1977	10	6	21	30	0
26,776	1977	10	6	21	45	0
26,777	1977	10	6	22	0	0
26,778	1977	10	6	22	15	0
26,779	1977	10	6	22	30	0
26,780	1977	10	6	22	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
26,781	1977	10	6	23	0	0
26,782	1977	10	6	23	15	0
26,783	1977	10	6	23	30	0
26,784	1977	10	6	23	45	0
26,785	1977	10	7	0	0	0
26,786	1977	10	7	0	15	0
26,787	1977	10	7	0	30	0
26,788	1977	10	7	0	45	0
26,789	1977	10	7	1	0	0
26,790	1977	10	7	1	15	0
26,791	1977	10	7	1	30	0
26,792	1977	10	7	1	45	0
26,793	1977	10	7	2	0	0
26,794	1977	10	7	2	15	0
26,795	1977	10	7	2	30	0
26,796	1977	10	7	2	45	0
26,797	1977	10	7	3	0	0
26,798	1977	10	7	3	15	0
26,799	1977	10	7	3	30	0
26,800	1977	10	7	3	45	0
26,801	1977	10	7	4	0	0
26,802	1977	10	7	4	15	0
26,803	1977	10	7	4	30	0
26,804	1977	10	7	4	45	0
26,805	1977	10	7	5	0	0
26,806	1977	10	7	5	15	0
26,807	1977	10	7	5	30	0
26,808	1977	10	7	5	45	0
26,809	1977	10	7	6	0	0
26,810	1977	10	7	6	15	0
26,811	1977	10	7	6	30	0
26,812	1977	10	7	6	45	0
26,813	1977	10	7	7	0	0
26,814	1977	10	7	7	15	0
26,815	1977	10	7	7	30	0
26,816	1977	10	7	7	45	0
26,817	1977	10	7	8	0	0
26,818	1977	10	7	8	15	0
26,819	1977	10	7	8	30	0
26,820	1977	10	7	8	45	0
26,821	1977	10	7	9	0	0
26,822	1977	10	7	9	15	0
26,823	1977	10	7	9	30	0
26,824	1977	10	7	9	45	0
26,825	1977	10	7	10	0	0
26,826	1977	10	7	10	15	0
26,827	1977	10	7	10	30	0
26,828	1977	10	7	10	45	0
26,829	1977	10	7	11	0	0
26,830	1977	10	7	11	15	0
26,831	1977	10	7	11	30	0
26,832	1977	10	7	11	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
26,833	1977	10	7	12	0	0
26,834	1977	10	7	12	15	0
26,835	1977	10	7	12	30	0
26,836	1977	10	7	12	45	0
26,837	1977	10	7	13	0	0
26,838	1977	10	7	13	15	0
26,839	1977	10	7	13	30	0
26,840	1977	10	7	13	45	0
26,841	1977	10	7	14	0	0
26,842	1977	10	7	14	15	0
26,843	1977	10	7	14	30	0
26,844	1977	10	7	14	45	0
26,845	1977	10	7	15	0	0
26,846	1977	10	7	15	15	0
26,847	1977	10	7	15	30	0
26,848	1977	10	7	15	45	0
26,849	1977	10	7	16	0	0
26,850	1977	10	7	16	15	0
26,851	1977	10	7	16	30	0
26,852	1977	10	7	16	45	0
26,853	1977	10	7	17	0	0
26,854	1977	10	7	17	15	0
26,855	1977	10	7	17	30	0
26,856	1977	10	7	17	45	0
26,857	1977	10	7	18	0	0
26,858	1977	10	7	18	15	0
26,859	1977	10	7	18	30	0
26,860	1977	10	7	18	45	0
26,861	1977	10	7	19	0	0
26,862	1977	10	7	19	15	0
26,863	1977	10	7	19	30	0
26,864	1977	10	7	19	45	0
26,865	1977	10	7	20	0	0
26,866	1977	10	7	20	15	0
26,867	1977	10	7	20	30	0
26,868	1977	10	7	20	45	0
26,869	1977	10	7	21	0	0
26,870	1977	10	7	21	15	0
26,871	1977	10	7	21	30	0
26,872	1977	10	7	21	45	0
26,873	1977	10	7	22	0	0
26,874	1977	10	7	22	15	0
26,875	1977	10	7	22	30	0
26,876	1977	10	7	22	45	0
26,877	1977	10	7	23	0	0
26,878	1977	10	7	23	15	0
26,879	1977	10	7	23	30	0
26,880	1977	10	7	23	45	0
26,881	1977	10	8	0	0	0
26,882	1977	10	8	0	15	0
26,883	1977	10	8	0	30	0
26,884	1977	10	8	0	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
26,885	1977	10	8	1	0	0
26,886	1977	10	8	1	15	0
26,887	1977	10	8	1	30	0
26,888	1977	10	8	1	45	0
26,889	1977	10	8	2	0	0
26,890	1977	10	8	2	15	0
26,891	1977	10	8	2	30	0
26,892	1977	10	8	2	45	0
26,893	1977	10	8	3	0	0.015
26,894	1977	10	8	3	15	0.015
26,895	1977	10	8	3	30	0.015
26,896	1977	10	8	3	45	0.015
26,897	1977	10	8	4	0	0.0175
26,898	1977	10	8	4	15	0.0175
26,899	1977	10	8	4	30	0.0175
26,900	1977	10	8	4	45	0.0175
26,901	1977	10	8	5	0	0.0125
26,902	1977	10	8	5	15	0.0125
26,903	1977	10	8	5	30	0.0125
26,904	1977	10	8	5	45	0.0125
26,905	1977	10	8	6	0	0.0025
26,906	1977	10	8	6	15	0.0025
26,907	1977	10	8	6	30	0.0025
26,908	1977	10	8	6	45	0.0025
26,909	1977	10	8	7	0	0.005
26,910	1977	10	8	7	15	0.005
26,911	1977	10	8	7	30	0.005
26,912	1977	10	8	7	45	0.005
26,913	1977	10	8	8	0	0.0025
26,914	1977	10	8	8	15	0.0025
26,915	1977	10	8	8	30	0.0025
26,916	1977	10	8	8	45	0.0025
26,917	1977	10	8	9	0	0
26,918	1977	10	8	9	15	0
26,919	1977	10	8	9	30	0
26,920	1977	10	8	9	45	0
26,921	1977	10	8	10	0	0.005
26,922	1977	10	8	10	15	0.005
26,923	1977	10	8	10	30	0.005
26,924	1977	10	8	10	45	0.005
26,925	1977	10	8	11	0	0.0025
26,926	1977	10	8	11	15	0.0025
26,927	1977	10	8	11	30	0.0025
26,928	1977	10	8	11	45	0.0025
26,929	1977	10	8	12	0	0
26,930	1977	10	8	12	15	0
26,931	1977	10	8	12	30	0
26,932	1977	10	8	12	45	0
26,933	1977	10	8	13	0	0.0025
26,934	1977	10	8	13	15	0.0025
26,935	1977	10	8	13	30	0.0025
26,936	1977	10	8	13	45	0.0025

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
26,937	1977	10	8	14	0	0
26,938	1977	10	8	14	15	0
26,939	1977	10	8	14	30	0
26,940	1977	10	8	14	45	0
26,941	1977	10	8	15	0	0
26,942	1977	10	8	15	15	0
26,943	1977	10	8	15	30	0
26,944	1977	10	8	15	45	0
26,945	1977	10	8	16	0	0
26,946	1977	10	8	16	15	0
26,947	1977	10	8	16	30	0
26,948	1977	10	8	16	45	0
26,949	1977	10	8	17	0	0
26,950	1977	10	8	17	15	0
26,951	1977	10	8	17	30	0
26,952	1977	10	8	17	45	0
26,953	1977	10	8	18	0	0
26,954	1977	10	8	18	15	0
26,955	1977	10	8	18	30	0
26,956	1977	10	8	18	45	0
26,957	1977	10	8	19	0	0
26,958	1977	10	8	19	15	0
26,959	1977	10	8	19	30	0
26,960	1977	10	8	19	45	0
26,961	1977	10	8	20	0	0
26,962	1977	10	8	20	15	0
26,963	1977	10	8	20	30	0
26,964	1977	10	8	20	45	0
26,965	1977	10	8	21	0	0
26,966	1977	10	8	21	15	0
26,967	1977	10	8	21	30	0
26,968	1977	10	8	21	45	0
26,969	1977	10	8	22	0	0
26,970	1977	10	8	22	15	0
26,971	1977	10	8	22	30	0
26,972	1977	10	8	22	45	0
26,973	1977	10	8	23	0	0
26,974	1977	10	8	23	15	0
26,975	1977	10	8	23	30	0
26,976	1977	10	8	23	45	0
26,977	1977	10	9	0	0	0
26,978	1977	10	9	0	15	0
26,979	1977	10	9	0	30	0
26,980	1977	10	9	0	45	0
26,981	1977	10	9	1	0	0.0375
26,982	1977	10	9	1	15	0.0375
26,983	1977	10	9	1	30	0.0375
26,984	1977	10	9	1	45	0.0375
26,985	1977	10	9	2	0	0.0025
26,986	1977	10	9	2	15	0.0025
26,987	1977	10	9	2	30	0.0025
26,988	1977	10	9	2	45	0.0025

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
26,989	1977	10	9	3	0	0
26,990	1977	10	9	3	15	0
26,991	1977	10	9	3	30	0
26,992	1977	10	9	3	45	0
26,993	1977	10	9	4	0	0.0025
26,994	1977	10	9	4	15	0.0025
26,995	1977	10	9	4	30	0.0025
26,996	1977	10	9	4	45	0.0025
26,997	1977	10	9	5	0	0.0025
26,998	1977	10	9	5	15	0.0025
26,999	1977	10	9	5	30	0.0025
27,000	1977	10	9	5	45	0.0025
27,001	1977	10	9	6	0	0
27,002	1977	10	9	6	15	0
27,003	1977	10	9	6	30	0
27,004	1977	10	9	6	45	0
27,005	1977	10	9	7	0	0
27,006	1977	10	9	7	15	0
27,007	1977	10	9	7	30	0
27,008	1977	10	9	7	45	0
27,009	1977	10	9	8	0	0
27,010	1977	10	9	8	15	0
27,011	1977	10	9	8	30	0
27,012	1977	10	9	8	45	0
27,013	1977	10	9	9	0	0
27,014	1977	10	9	9	15	0
27,015	1977	10	9	9	30	0
27,016	1977	10	9	9	45	0
27,017	1977	10	9	10	0	0
27,018	1977	10	9	10	15	0
27,019	1977	10	9	10	30	0
27,020	1977	10	9	10	45	0
27,021	1977	10	9	11	0	0
27,022	1977	10	9	11	15	0
27,023	1977	10	9	11	30	0
27,024	1977	10	9	11	45	0
27,025	1977	10	9	12	0	0
27,026	1977	10	9	12	15	0
27,027	1977	10	9	12	30	0
27,028	1977	10	9	12	45	0
27,029	1977	10	9	13	0	0
27,030	1977	10	9	13	15	0
27,031	1977	10	9	13	30	0
27,032	1977	10	9	13	45	0
27,033	1977	10	9	14	0	0
27,034	1977	10	9	14	15	0
27,035	1977	10	9	14	30	0
27,036	1977	10	9	14	45	0
27,037	1977	10	9	15	0	0
27,038	1977	10	9	15	15	0
27,039	1977	10	9	15	30	0
27,040	1977	10	9	15	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
27,041	1977	10	9	16	0	0
27,042	1977	10	9	16	15	0
27,043	1977	10	9	16	30	0
27,044	1977	10	9	16	45	0
27,045	1977	10	9	17	0	0
27,046	1977	10	9	17	15	0
27,047	1977	10	9	17	30	0
27,048	1977	10	9	17	45	0
27,049	1977	10	9	18	0	0
27,050	1977	10	9	18	15	0
27,051	1977	10	9	18	30	0
27,052	1977	10	9	18	45	0
27,053	1977	10	9	19	0	0
27,054	1977	10	9	19	15	0
27,055	1977	10	9	19	30	0
27,056	1977	10	9	19	45	0
27,057	1977	10	9	20	0	0
27,058	1977	10	9	20	15	0
27,059	1977	10	9	20	30	0
27,060	1977	10	9	20	45	0
27,061	1977	10	9	21	0	0
27,062	1977	10	9	21	15	0
27,063	1977	10	9	21	30	0
27,064	1977	10	9	21	45	0
27,065	1977	10	9	22	0	0
27,066	1977	10	9	22	15	0
27,067	1977	10	9	22	30	0
27,068	1977	10	9	22	45	0
27,069	1977	10	9	23	0	0
27,070	1977	10	9	23	15	0
27,071	1977	10	9	23	30	0
27,072	1977	10	9	23	45	0
27,073	1977	10	10	0	0	0
27,074	1977	10	10	0	15	0
27,075	1977	10	10	0	30	0
27,076	1977	10	10	0	45	0
27,077	1977	10	10	1	0	0
27,078	1977	10	10	1	15	0
27,079	1977	10	10	1	30	0
27,080	1977	10	10	1	45	0
27,081	1977	10	10	2	0	0
27,082	1977	10	10	2	15	0
27,083	1977	10	10	2	30	0
27,084	1977	10	10	2	45	0
27,085	1977	10	10	3	0	0
27,086	1977	10	10	3	15	0
27,087	1977	10	10	3	30	0
27,088	1977	10	10	3	45	0
27,089	1977	10	10	4	0	0
27,090	1977	10	10	4	15	0
27,091	1977	10	10	4	30	0
27,092	1977	10	10	4	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
27,093	1977	10	10	5	0	0
27,094	1977	10	10	5	15	0
27,095	1977	10	10	5	30	0
27,096	1977	10	10	5	45	0
27,097	1977	10	10	6	0	0
27,098	1977	10	10	6	15	0
27,099	1977	10	10	6	30	0
27,100	1977	10	10	6	45	0
27,101	1977	10	10	7	0	0
27,102	1977	10	10	7	15	0
27,103	1977	10	10	7	30	0
27,104	1977	10	10	7	45	0
27,105	1977	10	10	8	0	0
27,106	1977	10	10	8	15	0
27,107	1977	10	10	8	30	0
27,108	1977	10	10	8	45	0
27,109	1977	10	10	9	0	0
27,110	1977	10	10	9	15	0
27,111	1977	10	10	9	30	0
27,112	1977	10	10	9	45	0
27,113	1977	10	10	10	0	0
27,114	1977	10	10	10	15	0
27,115	1977	10	10	10	30	0
27,116	1977	10	10	10	45	0
27,117	1977	10	10	11	0	0
27,118	1977	10	10	11	15	0
27,119	1977	10	10	11	30	0
27,120	1977	10	10	11	45	0
27,121	1977	10	10	12	0	0
27,122	1977	10	10	12	15	0
27,123	1977	10	10	12	30	0
27,124	1977	10	10	12	45	0
27,125	1977	10	10	13	0	0
27,126	1977	10	10	13	15	0
27,127	1977	10	10	13	30	0
27,128	1977	10	10	13	45	0
27,129	1977	10	10	14	0	0
27,130	1977	10	10	14	15	0
27,131	1977	10	10	14	30	0
27,132	1977	10	10	14	45	0
27,133	1977	10	10	15	0	0
27,134	1977	10	10	15	15	0
27,135	1977	10	10	15	30	0
27,136	1977	10	10	15	45	0
27,137	1977	10	10	16	0	0
27,138	1977	10	10	16	15	0
27,139	1977	10	10	16	30	0
27,140	1977	10	10	16	45	0
27,141	1977	10	10	17	0	0
27,142	1977	10	10	17	15	0
27,143	1977	10	10	17	30	0
27,144	1977	10	10	17	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
27,145	1977	10	10	18	0	0
27,146	1977	10	10	18	15	0
27,147	1977	10	10	18	30	0
27,148	1977	10	10	18	45	0
27,149	1977	10	10	19	0	0
27,150	1977	10	10	19	15	0
27,151	1977	10	10	19	30	0
27,152	1977	10	10	19	45	0
27,153	1977	10	10	20	0	0
27,154	1977	10	10	20	15	0
27,155	1977	10	10	20	30	0
27,156	1977	10	10	20	45	0
27,157	1977	10	10	21	0	0
27,158	1977	10	10	21	15	0
27,159	1977	10	10	21	30	0
27,160	1977	10	10	21	45	0
27,161	1977	10	10	22	0	0
27,162	1977	10	10	22	15	0
27,163	1977	10	10	22	30	0
27,164	1977	10	10	22	45	0
27,165	1977	10	10	23	0	0
27,166	1977	10	10	23	15	0
27,167	1977	10	10	23	30	0
27,168	1977	10	10	23	45	0
27,169	1977	10	11	0	0	0
27,170	1977	10	11	0	15	0
27,171	1977	10	11	0	30	0
27,172	1977	10	11	0	45	0
27,173	1977	10	11	1	0	0
27,174	1977	10	11	1	15	0
27,175	1977	10	11	1	30	0
27,176	1977	10	11	1	45	0
27,177	1977	10	11	2	0	0
27,178	1977	10	11	2	15	0
27,179	1977	10	11	2	30	0
27,180	1977	10	11	2	45	0
27,181	1977	10	11	3	0	0
27,182	1977	10	11	3	15	0
27,183	1977	10	11	3	30	0
27,184	1977	10	11	3	45	0
27,185	1977	10	11	4	0	0
27,186	1977	10	11	4	15	0
27,187	1977	10	11	4	30	0
27,188	1977	10	11	4	45	0
27,189	1977	10	11	5	0	0
27,190	1977	10	11	5	15	0
27,191	1977	10	11	5	30	0
27,192	1977	10	11	5	45	0
27,193	1977	10	11	6	0	0
27,194	1977	10	11	6	15	0
27,195	1977	10	11	6	30	0
27,196	1977	10	11	6	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
27,197	1977	10	11	7	0	0
27,198	1977	10	11	7	15	0
27,199	1977	10	11	7	30	0
27,200	1977	10	11	7	45	0
27,201	1977	10	11	8	0	0
27,202	1977	10	11	8	15	0
27,203	1977	10	11	8	30	0
27,204	1977	10	11	8	45	0
27,205	1977	10	11	9	0	0
27,206	1977	10	11	9	15	0
27,207	1977	10	11	9	30	0
27,208	1977	10	11	9	45	0
27,209	1977	10	11	10	0	0
27,210	1977	10	11	10	15	0
27,211	1977	10	11	10	30	0
27,212	1977	10	11	10	45	0
27,213	1977	10	11	11	0	0
27,214	1977	10	11	11	15	0
27,215	1977	10	11	11	30	0
27,216	1977	10	11	11	45	0
27,217	1977	10	11	12	0	0
27,218	1977	10	11	12	15	0
27,219	1977	10	11	12	30	0
27,220	1977	10	11	12	45	0
27,221	1977	10	11	13	0	0
27,222	1977	10	11	13	15	0
27,223	1977	10	11	13	30	0
27,224	1977	10	11	13	45	0
27,225	1977	10	11	14	0	0
27,226	1977	10	11	14	15	0
27,227	1977	10	11	14	30	0
27,228	1977	10	11	14	45	0
27,229	1977	10	11	15	0	0
27,230	1977	10	11	15	15	0
27,231	1977	10	11	15	30	0
27,232	1977	10	11	15	45	0
27,233	1977	10	11	16	0	0.005
27,234	1977	10	11	16	15	0.005
27,235	1977	10	11	16	30	0.005
27,236	1977	10	11	16	45	0.005
27,237	1977	10	11	17	0	0.0075
27,238	1977	10	11	17	15	0.0075
27,239	1977	10	11	17	30	0.0075
27,240	1977	10	11	17	45	0.0075
27,241	1977	10	11	18	0	0
27,242	1977	10	11	18	15	0
27,243	1977	10	11	18	30	0
27,244	1977	10	11	18	45	0
27,245	1977	10	11	19	0	0
27,246	1977	10	11	19	15	0
27,247	1977	10	11	19	30	0
27,248	1977	10	11	19	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
27,249	1977	10	11	20	0	0
27,250	1977	10	11	20	15	0
27,251	1977	10	11	20	30	0
27,252	1977	10	11	20	45	0
27,253	1977	10	11	21	0	0
27,254	1977	10	11	21	15	0
27,255	1977	10	11	21	30	0
27,256	1977	10	11	21	45	0
27,257	1977	10	11	22	0	0
27,258	1977	10	11	22	15	0
27,259	1977	10	11	22	30	0
27,260	1977	10	11	22	45	0
27,261	1977	10	11	23	0	0
27,262	1977	10	11	23	15	0
27,263	1977	10	11	23	30	0
27,264	1977	10	11	23	45	0
27,265	1977	10	12	0	0	0
27,266	1977	10	12	0	15	0
27,267	1977	10	12	0	30	0
27,268	1977	10	12	0	45	0
27,269	1977	10	12	1	0	0
27,270	1977	10	12	1	15	0
27,271	1977	10	12	1	30	0
27,272	1977	10	12	1	45	0
27,273	1977	10	12	2	0	0
27,274	1977	10	12	2	15	0
27,275	1977	10	12	2	30	0
27,276	1977	10	12	2	45	0
27,277	1977	10	12	3	0	0
27,278	1977	10	12	3	15	0
27,279	1977	10	12	3	30	0
27,280	1977	10	12	3	45	0
27,281	1977	10	12	4	0	0
27,282	1977	10	12	4	15	0
27,283	1977	10	12	4	30	0
27,284	1977	10	12	4	45	0
27,285	1977	10	12	5	0	0
27,286	1977	10	12	5	15	0
27,287	1977	10	12	5	30	0
27,288	1977	10	12	5	45	0
27,289	1977	10	12	6	0	0
27,290	1977	10	12	6	15	0
27,291	1977	10	12	6	30	0
27,292	1977	10	12	6	45	0
27,293	1977	10	12	7	0	0
27,294	1977	10	12	7	15	0
27,295	1977	10	12	7	30	0
27,296	1977	10	12	7	45	0
27,297	1977	10	12	8	0	0
27,298	1977	10	12	8	15	0
27,299	1977	10	12	8	30	0
27,300	1977	10	12	8	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
27,301	1977	10	12	9	0	0
27,302	1977	10	12	9	15	0
27,303	1977	10	12	9	30	0
27,304	1977	10	12	9	45	0
27,305	1977	10	12	10	0	0
27,306	1977	10	12	10	15	0
27,307	1977	10	12	10	30	0
27,308	1977	10	12	10	45	0
27,309	1977	10	12	11	0	0
27,310	1977	10	12	11	15	0
27,311	1977	10	12	11	30	0
27,312	1977	10	12	11	45	0
27,313	1977	10	12	12	0	0
27,314	1977	10	12	12	15	0
27,315	1977	10	12	12	30	0
27,316	1977	10	12	12	45	0
27,317	1977	10	12	13	0	0
27,318	1977	10	12	13	15	0
27,319	1977	10	12	13	30	0
27,320	1977	10	12	13	45	0
27,321	1977	10	12	14	0	0
27,322	1977	10	12	14	15	0
27,323	1977	10	12	14	30	0
27,324	1977	10	12	14	45	0
27,325	1977	10	12	15	0	0
27,326	1977	10	12	15	15	0
27,327	1977	10	12	15	30	0
27,328	1977	10	12	15	45	0
27,329	1977	10	12	16	0	0
27,330	1977	10	12	16	15	0
27,331	1977	10	12	16	30	0
27,332	1977	10	12	16	45	0
27,333	1977	10	12	17	0	0
27,334	1977	10	12	17	15	0
27,335	1977	10	12	17	30	0
27,336	1977	10	12	17	45	0
27,337	1977	10	12	18	0	0
27,338	1977	10	12	18	15	0
27,339	1977	10	12	18	30	0
27,340	1977	10	12	18	45	0
27,341	1977	10	12	19	0	0
27,342	1977	10	12	19	15	0
27,343	1977	10	12	19	30	0
27,344	1977	10	12	19	45	0
27,345	1977	10	12	20	0	0
27,346	1977	10	12	20	15	0
27,347	1977	10	12	20	30	0
27,348	1977	10	12	20	45	0
27,349	1977	10	12	21	0	0
27,350	1977	10	12	21	15	0
27,351	1977	10	12	21	30	0
27,352	1977	10	12	21	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
27,353	1977	10	12	22	0	0
27,354	1977	10	12	22	15	0
27,355	1977	10	12	22	30	0
27,356	1977	10	12	22	45	0
27,357	1977	10	12	23	0	0
27,358	1977	10	12	23	15	0
27,359	1977	10	12	23	30	0
27,360	1977	10	12	23	45	0
27,361	1977	10	13	0	0	0
27,362	1977	10	13	0	15	0
27,363	1977	10	13	0	30	0
27,364	1977	10	13	0	45	0
27,365	1977	10	13	1	0	0
27,366	1977	10	13	1	15	0
27,367	1977	10	13	1	30	0
27,368	1977	10	13	1	45	0
27,369	1977	10	13	2	0	0
27,370	1977	10	13	2	15	0
27,371	1977	10	13	2	30	0
27,372	1977	10	13	2	45	0
27,373	1977	10	13	3	0	0
27,374	1977	10	13	3	15	0
27,375	1977	10	13	3	30	0
27,376	1977	10	13	3	45	0
27,377	1977	10	13	4	0	0
27,378	1977	10	13	4	15	0
27,379	1977	10	13	4	30	0
27,380	1977	10	13	4	45	0
27,381	1977	10	13	5	0	0
27,382	1977	10	13	5	15	0
27,383	1977	10	13	5	30	0
27,384	1977	10	13	5	45	0
27,385	1977	10	13	6	0	0
27,386	1977	10	13	6	15	0
27,387	1977	10	13	6	30	0
27,388	1977	10	13	6	45	0
27,389	1977	10	13	7	0	0
27,390	1977	10	13	7	15	0
27,391	1977	10	13	7	30	0
27,392	1977	10	13	7	45	0
27,393	1977	10	13	8	0	0
27,394	1977	10	13	8	15	0
27,395	1977	10	13	8	30	0
27,396	1977	10	13	8	45	0
27,397	1977	10	13	9	0	0
27,398	1977	10	13	9	15	0
27,399	1977	10	13	9	30	0
27,400	1977	10	13	9	45	0
27,401	1977	10	13	10	0	0
27,402	1977	10	13	10	15	0
27,403	1977	10	13	10	30	0
27,404	1977	10	13	10	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
27,405	1977	10	13	11	0	0
27,406	1977	10	13	11	15	0
27,407	1977	10	13	11	30	0
27,408	1977	10	13	11	45	0
27,409	1977	10	13	12	0	0.0075
27,410	1977	10	13	12	15	0.0075
27,411	1977	10	13	12	30	0.0075
27,412	1977	10	13	12	45	0.0075
27,413	1977	10	13	13	0	0.0025
27,414	1977	10	13	13	15	0.0025
27,415	1977	10	13	13	30	0.0025
27,416	1977	10	13	13	45	0.0025
27,417	1977	10	13	14	0	0
27,418	1977	10	13	14	15	0
27,419	1977	10	13	14	30	0
27,420	1977	10	13	14	45	0
27,421	1977	10	13	15	0	0
27,422	1977	10	13	15	15	0
27,423	1977	10	13	15	30	0
27,424	1977	10	13	15	45	0
27,425	1977	10	13	16	0	0
27,426	1977	10	13	16	15	0
27,427	1977	10	13	16	30	0
27,428	1977	10	13	16	45	0
27,429	1977	10	13	17	0	0
27,430	1977	10	13	17	15	0
27,431	1977	10	13	17	30	0
27,432	1977	10	13	17	45	0
27,433	1977	10	13	18	0	0
27,434	1977	10	13	18	15	0
27,435	1977	10	13	18	30	0
27,436	1977	10	13	18	45	0
27,437	1977	10	13	19	0	0
27,438	1977	10	13	19	15	0
27,439	1977	10	13	19	30	0
27,440	1977	10	13	19	45	0
27,441	1977	10	13	20	0	0
27,442	1977	10	13	20	15	0
27,443	1977	10	13	20	30	0
27,444	1977	10	13	20	45	0
27,445	1977	10	13	21	0	0
27,446	1977	10	13	21	15	0
27,447	1977	10	13	21	30	0
27,448	1977	10	13	21	45	0
27,449	1977	10	13	22	0	0
27,450	1977	10	13	22	15	0
27,451	1977	10	13	22	30	0
27,452	1977	10	13	22	45	0
27,453	1977	10	13	23	0	0
27,454	1977	10	13	23	15	0
27,455	1977	10	13	23	30	0
27,456	1977	10	13	23	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
27,457	1977	10	14	0	0	0
27,458	1977	10	14	0	15	0
27,459	1977	10	14	0	30	0
27,460	1977	10	14	0	45	0
27,461	1977	10	14	1	0	0
27,462	1977	10	14	1	15	0
27,463	1977	10	14	1	30	0
27,464	1977	10	14	1	45	0
27,465	1977	10	14	2	0	0
27,466	1977	10	14	2	15	0
27,467	1977	10	14	2	30	0
27,468	1977	10	14	2	45	0
27,469	1977	10	14	3	0	0
27,470	1977	10	14	3	15	0
27,471	1977	10	14	3	30	0
27,472	1977	10	14	3	45	0
27,473	1977	10	14	4	0	0
27,474	1977	10	14	4	15	0
27,475	1977	10	14	4	30	0
27,476	1977	10	14	4	45	0
27,477	1977	10	14	5	0	0
27,478	1977	10	14	5	15	0
27,479	1977	10	14	5	30	0
27,480	1977	10	14	5	45	0
27,481	1977	10	14	6	0	0
27,482	1977	10	14	6	15	0
27,483	1977	10	14	6	30	0
27,484	1977	10	14	6	45	0
27,485	1977	10	14	7	0	0
27,486	1977	10	14	7	15	0
27,487	1977	10	14	7	30	0
27,488	1977	10	14	7	45	0
27,489	1977	10	14	8	0	0
27,490	1977	10	14	8	15	0
27,491	1977	10	14	8	30	0
27,492	1977	10	14	8	45	0
27,493	1977	10	14	9	0	0
27,494	1977	10	14	9	15	0
27,495	1977	10	14	9	30	0
27,496	1977	10	14	9	45	0
27,497	1977	10	14	10	0	0
27,498	1977	10	14	10	15	0
27,499	1977	10	14	10	30	0
27,500	1977	10	14	10	45	0
27,501	1977	10	14	11	0	0
27,502	1977	10	14	11	15	0
27,503	1977	10	14	11	30	0
27,504	1977	10	14	11	45	0
27,505	1977	10	14	12	0	0
27,506	1977	10	14	12	15	0
27,507	1977	10	14	12	30	0
27,508	1977	10	14	12	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
27,509	1977	10	14	13	0	0
27,510	1977	10	14	13	15	0
27,511	1977	10	14	13	30	0
27,512	1977	10	14	13	45	0
27,513	1977	10	14	14	0	0
27,514	1977	10	14	14	15	0
27,515	1977	10	14	14	30	0
27,516	1977	10	14	14	45	0
27,517	1977	10	14	15	0	0
27,518	1977	10	14	15	15	0
27,519	1977	10	14	15	30	0
27,520	1977	10	14	15	45	0
27,521	1977	10	14	16	0	0
27,522	1977	10	14	16	15	0
27,523	1977	10	14	16	30	0
27,524	1977	10	14	16	45	0
27,525	1977	10	14	17	0	0
27,526	1977	10	14	17	15	0
27,527	1977	10	14	17	30	0
27,528	1977	10	14	17	45	0
27,529	1977	10	14	18	0	0
27,530	1977	10	14	18	15	0
27,531	1977	10	14	18	30	0
27,532	1977	10	14	18	45	0
27,533	1977	10	14	19	0	0
27,534	1977	10	14	19	15	0
27,535	1977	10	14	19	30	0
27,536	1977	10	14	19	45	0
27,537	1977	10	14	20	0	0
27,538	1977	10	14	20	15	0
27,539	1977	10	14	20	30	0
27,540	1977	10	14	20	45	0
27,541	1977	10	14	21	0	0
27,542	1977	10	14	21	15	0
27,543	1977	10	14	21	30	0
27,544	1977	10	14	21	45	0
27,545	1977	10	14	22	0	0
27,546	1977	10	14	22	15	0
27,547	1977	10	14	22	30	0
27,548	1977	10	14	22	45	0
27,549	1977	10	14	23	0	0
27,550	1977	10	14	23	15	0
27,551	1977	10	14	23	30	0
27,552	1977	10	14	23	45	0
27,553	1977	10	15	0	0	0
27,554	1977	10	15	0	15	0
27,555	1977	10	15	0	30	0
27,556	1977	10	15	0	45	0
27,557	1977	10	15	1	0	0
27,558	1977	10	15	1	15	0
27,559	1977	10	15	1	30	0
27,560	1977	10	15	1	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
27,561	1977	10	15	2	0	0
27,562	1977	10	15	2	15	0
27,563	1977	10	15	2	30	0
27,564	1977	10	15	2	45	0
27,565	1977	10	15	3	0	0
27,566	1977	10	15	3	15	0
27,567	1977	10	15	3	30	0
27,568	1977	10	15	3	45	0
27,569	1977	10	15	4	0	0
27,570	1977	10	15	4	15	0
27,571	1977	10	15	4	30	0
27,572	1977	10	15	4	45	0
27,573	1977	10	15	5	0	0
27,574	1977	10	15	5	15	0
27,575	1977	10	15	5	30	0
27,576	1977	10	15	5	45	0
27,577	1977	10	15	6	0	0
27,578	1977	10	15	6	15	0
27,579	1977	10	15	6	30	0
27,580	1977	10	15	6	45	0
27,581	1977	10	15	7	0	0
27,582	1977	10	15	7	15	0
27,583	1977	10	15	7	30	0
27,584	1977	10	15	7	45	0
27,585	1977	10	15	8	0	0
27,586	1977	10	15	8	15	0
27,587	1977	10	15	8	30	0
27,588	1977	10	15	8	45	0
27,589	1977	10	15	9	0	0
27,590	1977	10	15	9	15	0
27,591	1977	10	15	9	30	0
27,592	1977	10	15	9	45	0
27,593	1977	10	15	10	0	0
27,594	1977	10	15	10	15	0
27,595	1977	10	15	10	30	0
27,596	1977	10	15	10	45	0
27,597	1977	10	15	11	0	0
27,598	1977	10	15	11	15	0
27,599	1977	10	15	11	30	0
27,600	1977	10	15	11	45	0
27,601	1977	10	15	12	0	0
27,602	1977	10	15	12	15	0
27,603	1977	10	15	12	30	0
27,604	1977	10	15	12	45	0
27,605	1977	10	15	13	0	0
27,606	1977	10	15	13	15	0
27,607	1977	10	15	13	30	0
27,608	1977	10	15	13	45	0
27,609	1977	10	15	14	0	0
27,610	1977	10	15	14	15	0
27,611	1977	10	15	14	30	0
27,612	1977	10	15	14	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
27,613	1977	10	15	15	0	0
27,614	1977	10	15	15	15	0
27,615	1977	10	15	15	30	0
27,616	1977	10	15	15	45	0
27,617	1977	10	15	16	0	0
27,618	1977	10	15	16	15	0
27,619	1977	10	15	16	30	0
27,620	1977	10	15	16	45	0
27,621	1977	10	15	17	0	0
27,622	1977	10	15	17	15	0
27,623	1977	10	15	17	30	0
27,624	1977	10	15	17	45	0
27,625	1977	10	15	18	0	0
27,626	1977	10	15	18	15	0
27,627	1977	10	15	18	30	0
27,628	1977	10	15	18	45	0
27,629	1977	10	15	19	0	0
27,630	1977	10	15	19	15	0
27,631	1977	10	15	19	30	0
27,632	1977	10	15	19	45	0
27,633	1977	10	15	20	0	0
27,634	1977	10	15	20	15	0
27,635	1977	10	15	20	30	0
27,636	1977	10	15	20	45	0
27,637	1977	10	15	21	0	0.0075
27,638	1977	10	15	21	15	0.0075
27,639	1977	10	15	21	30	0.0075
27,640	1977	10	15	21	45	0.0075
27,641	1977	10	15	22	0	0.015
27,642	1977	10	15	22	15	0.015
27,643	1977	10	15	22	30	0.015
27,644	1977	10	15	22	45	0.015
27,645	1977	10	15	23	0	0.0025
27,646	1977	10	15	23	15	0.0025
27,647	1977	10	15	23	30	0.0025
27,648	1977	10	15	23	45	0.0025
27,649	1977	10	16	0	0	0
27,650	1977	10	16	0	15	0
27,651	1977	10	16	0	30	0
27,652	1977	10	16	0	45	0
27,653	1977	10	16	1	0	0
27,654	1977	10	16	1	15	0
27,655	1977	10	16	1	30	0
27,656	1977	10	16	1	45	0
27,657	1977	10	16	2	0	0
27,658	1977	10	16	2	15	0
27,659	1977	10	16	2	30	0
27,660	1977	10	16	2	45	0
27,661	1977	10	16	3	0	0
27,662	1977	10	16	3	15	0
27,663	1977	10	16	3	30	0
27,664	1977	10	16	3	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
27,665	1977	10	16	4	0	0
27,666	1977	10	16	4	15	0
27,667	1977	10	16	4	30	0
27,668	1977	10	16	4	45	0
27,669	1977	10	16	5	0	0
27,670	1977	10	16	5	15	0
27,671	1977	10	16	5	30	0
27,672	1977	10	16	5	45	0
27,673	1977	10	16	6	0	0
27,674	1977	10	16	6	15	0
27,675	1977	10	16	6	30	0
27,676	1977	10	16	6	45	0
27,677	1977	10	16	7	0	0
27,678	1977	10	16	7	15	0
27,679	1977	10	16	7	30	0
27,680	1977	10	16	7	45	0
27,681	1977	10	16	8	0	0
27,682	1977	10	16	8	15	0
27,683	1977	10	16	8	30	0
27,684	1977	10	16	8	45	0
27,685	1977	10	16	9	0	0.0025
27,686	1977	10	16	9	15	0.0025
27,687	1977	10	16	9	30	0.0025
27,688	1977	10	16	9	45	0.0025
27,689	1977	10	16	10	0	0.0025
27,690	1977	10	16	10	15	0.0025
27,691	1977	10	16	10	30	0.0025
27,692	1977	10	16	10	45	0.0025
27,693	1977	10	16	11	0	0.0075
27,694	1977	10	16	11	15	0.0075
27,695	1977	10	16	11	30	0.0075
27,696	1977	10	16	11	45	0.0075
27,697	1977	10	16	12	0	0
27,698	1977	10	16	12	15	0
27,699	1977	10	16	12	30	0
27,700	1977	10	16	12	45	0
27,701	1977	10	16	13	0	0
27,702	1977	10	16	13	15	0
27,703	1977	10	16	13	30	0
27,704	1977	10	16	13	45	0
27,705	1977	10	16	14	0	0
27,706	1977	10	16	14	15	0
27,707	1977	10	16	14	30	0
27,708	1977	10	16	14	45	0
27,709	1977	10	16	15	0	0
27,710	1977	10	16	15	15	0
27,711	1977	10	16	15	30	0
27,712	1977	10	16	15	45	0
27,713	1977	10	16	16	0	0
27,714	1977	10	16	16	15	0
27,715	1977	10	16	16	30	0
27,716	1977	10	16	16	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
27,717	1977	10	16	17	0	0.0175
27,718	1977	10	16	17	15	0.0175
27,719	1977	10	16	17	30	0.0175
27,720	1977	10	16	17	45	0.0175
27,721	1977	10	16	18	0	0.0125
27,722	1977	10	16	18	15	0.0125
27,723	1977	10	16	18	30	0.0125
27,724	1977	10	16	18	45	0.0125
27,725	1977	10	16	19	0	0.0025
27,726	1977	10	16	19	15	0.0025
27,727	1977	10	16	19	30	0.0025
27,728	1977	10	16	19	45	0.0025
27,729	1977	10	16	20	0	0
27,730	1977	10	16	20	15	0
27,731	1977	10	16	20	30	0
27,732	1977	10	16	20	45	0
27,733	1977	10	16	21	0	0
27,734	1977	10	16	21	15	0
27,735	1977	10	16	21	30	0
27,736	1977	10	16	21	45	0
27,737	1977	10	16	22	0	0
27,738	1977	10	16	22	15	0
27,739	1977	10	16	22	30	0
27,740	1977	10	16	22	45	0
27,741	1977	10	16	23	0	0
27,742	1977	10	16	23	15	0
27,743	1977	10	16	23	30	0
27,744	1977	10	16	23	45	0
27,745	1977	10	17	0	0	0
27,746	1977	10	17	0	15	0
27,747	1977	10	17	0	30	0
27,748	1977	10	17	0	45	0
27,749	1977	10	17	1	0	0
27,750	1977	10	17	1	15	0
27,751	1977	10	17	1	30	0
27,752	1977	10	17	1	45	0
27,753	1977	10	17	2	0	0
27,754	1977	10	17	2	15	0
27,755	1977	10	17	2	30	0
27,756	1977	10	17	2	45	0
27,757	1977	10	17	3	0	0
27,758	1977	10	17	3	15	0
27,759	1977	10	17	3	30	0
27,760	1977	10	17	3	45	0
27,761	1977	10	17	4	0	0
27,762	1977	10	17	4	15	0
27,763	1977	10	17	4	30	0
27,764	1977	10	17	4	45	0
27,765	1977	10	17	5	0	0
27,766	1977	10	17	5	15	0
27,767	1977	10	17	5	30	0
27,768	1977	10	17	5	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
27,769	1977	10	17	6	0	0
27,770	1977	10	17	6	15	0
27,771	1977	10	17	6	30	0
27,772	1977	10	17	6	45	0
27,773	1977	10	17	7	0	0
27,774	1977	10	17	7	15	0
27,775	1977	10	17	7	30	0
27,776	1977	10	17	7	45	0
27,777	1977	10	17	8	0	0
27,778	1977	10	17	8	15	0
27,779	1977	10	17	8	30	0
27,780	1977	10	17	8	45	0
27,781	1977	10	17	9	0	0
27,782	1977	10	17	9	15	0
27,783	1977	10	17	9	30	0
27,784	1977	10	17	9	45	0
27,785	1977	10	17	10	0	0
27,786	1977	10	17	10	15	0
27,787	1977	10	17	10	30	0
27,788	1977	10	17	10	45	0
27,789	1977	10	17	11	0	0
27,790	1977	10	17	11	15	0
27,791	1977	10	17	11	30	0
27,792	1977	10	17	11	45	0
27,793	1977	10	17	12	0	0
27,794	1977	10	17	12	15	0
27,795	1977	10	17	12	30	0
27,796	1977	10	17	12	45	0
27,797	1977	10	17	13	0	0
27,798	1977	10	17	13	15	0
27,799	1977	10	17	13	30	0
27,800	1977	10	17	13	45	0
27,801	1977	10	17	14	0	0
27,802	1977	10	17	14	15	0
27,803	1977	10	17	14	30	0
27,804	1977	10	17	14	45	0
27,805	1977	10	17	15	0	0
27,806	1977	10	17	15	15	0
27,807	1977	10	17	15	30	0
27,808	1977	10	17	15	45	0
27,809	1977	10	17	16	0	0
27,810	1977	10	17	16	15	0
27,811	1977	10	17	16	30	0
27,812	1977	10	17	16	45	0
27,813	1977	10	17	17	0	0
27,814	1977	10	17	17	15	0
27,815	1977	10	17	17	30	0
27,816	1977	10	17	17	45	0
27,817	1977	10	17	18	0	0
27,818	1977	10	17	18	15	0
27,819	1977	10	17	18	30	0
27,820	1977	10	17	18	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
27,821	1977	10	17	19	0	0
27,822	1977	10	17	19	15	0
27,823	1977	10	17	19	30	0
27,824	1977	10	17	19	45	0
27,825	1977	10	17	20	0	0
27,826	1977	10	17	20	15	0
27,827	1977	10	17	20	30	0
27,828	1977	10	17	20	45	0
27,829	1977	10	17	21	0	0
27,830	1977	10	17	21	15	0
27,831	1977	10	17	21	30	0
27,832	1977	10	17	21	45	0
27,833	1977	10	17	22	0	0
27,834	1977	10	17	22	15	0
27,835	1977	10	17	22	30	0
27,836	1977	10	17	22	45	0
27,837	1977	10	17	23	0	0
27,838	1977	10	17	23	15	0
27,839	1977	10	17	23	30	0
27,840	1977	10	17	23	45	0
27,841	1977	10	18	0	0	0
27,842	1977	10	18	0	15	0
27,843	1977	10	18	0	30	0
27,844	1977	10	18	0	45	0
27,845	1977	10	18	1	0	0
27,846	1977	10	18	1	15	0
27,847	1977	10	18	1	30	0
27,848	1977	10	18	1	45	0
27,849	1977	10	18	2	0	0
27,850	1977	10	18	2	15	0
27,851	1977	10	18	2	30	0
27,852	1977	10	18	2	45	0
27,853	1977	10	18	3	0	0
27,854	1977	10	18	3	15	0
27,855	1977	10	18	3	30	0
27,856	1977	10	18	3	45	0
27,857	1977	10	18	4	0	0
27,858	1977	10	18	4	15	0
27,859	1977	10	18	4	30	0
27,860	1977	10	18	4	45	0
27,861	1977	10	18	5	0	0
27,862	1977	10	18	5	15	0
27,863	1977	10	18	5	30	0
27,864	1977	10	18	5	45	0
27,865	1977	10	18	6	0	0
27,866	1977	10	18	6	15	0
27,867	1977	10	18	6	30	0
27,868	1977	10	18	6	45	0
27,869	1977	10	18	7	0	0
27,870	1977	10	18	7	15	0
27,871	1977	10	18	7	30	0
27,872	1977	10	18	7	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
27,873	1977	10	18	8	0	0
27,874	1977	10	18	8	15	0
27,875	1977	10	18	8	30	0
27,876	1977	10	18	8	45	0
27,877	1977	10	18	9	0	0
27,878	1977	10	18	9	15	0
27,879	1977	10	18	9	30	0
27,880	1977	10	18	9	45	0
27,881	1977	10	18	10	0	0
27,882	1977	10	18	10	15	0
27,883	1977	10	18	10	30	0
27,884	1977	10	18	10	45	0
27,885	1977	10	18	11	0	0
27,886	1977	10	18	11	15	0
27,887	1977	10	18	11	30	0
27,888	1977	10	18	11	45	0
27,889	1977	10	18	12	0	0
27,890	1977	10	18	12	15	0
27,891	1977	10	18	12	30	0
27,892	1977	10	18	12	45	0
27,893	1977	10	18	13	0	0
27,894	1977	10	18	13	15	0
27,895	1977	10	18	13	30	0
27,896	1977	10	18	13	45	0
27,897	1977	10	18	14	0	0
27,898	1977	10	18	14	15	0
27,899	1977	10	18	14	30	0
27,900	1977	10	18	14	45	0
27,901	1977	10	18	15	0	0
27,902	1977	10	18	15	15	0
27,903	1977	10	18	15	30	0
27,904	1977	10	18	15	45	0
27,905	1977	10	18	16	0	0
27,906	1977	10	18	16	15	0
27,907	1977	10	18	16	30	0
27,908	1977	10	18	16	45	0
27,909	1977	10	18	17	0	0
27,910	1977	10	18	17	15	0
27,911	1977	10	18	17	30	0
27,912	1977	10	18	17	45	0
27,913	1977	10	18	18	0	0.0025
27,914	1977	10	18	18	15	0.0025
27,915	1977	10	18	18	30	0.0025
27,916	1977	10	18	18	45	0.0025
27,917	1977	10	18	19	0	0
27,918	1977	10	18	19	15	0
27,919	1977	10	18	19	30	0
27,920	1977	10	18	19	45	0
27,921	1977	10	18	20	0	0
27,922	1977	10	18	20	15	0
27,923	1977	10	18	20	30	0
27,924	1977	10	18	20	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
27,925	1977	10	18	21	0	0
27,926	1977	10	18	21	15	0
27,927	1977	10	18	21	30	0
27,928	1977	10	18	21	45	0
27,929	1977	10	18	22	0	0
27,930	1977	10	18	22	15	0
27,931	1977	10	18	22	30	0
27,932	1977	10	18	22	45	0
27,933	1977	10	18	23	0	0
27,934	1977	10	18	23	15	0
27,935	1977	10	18	23	30	0
27,936	1977	10	18	23	45	0
27,937	1977	10	19	0	0	0
27,938	1977	10	19	0	15	0
27,939	1977	10	19	0	30	0
27,940	1977	10	19	0	45	0
27,941	1977	10	19	1	0	0
27,942	1977	10	19	1	15	0
27,943	1977	10	19	1	30	0
27,944	1977	10	19	1	45	0
27,945	1977	10	19	2	0	0
27,946	1977	10	19	2	15	0
27,947	1977	10	19	2	30	0
27,948	1977	10	19	2	45	0
27,949	1977	10	19	3	0	0
27,950	1977	10	19	3	15	0
27,951	1977	10	19	3	30	0
27,952	1977	10	19	3	45	0
27,953	1977	10	19	4	0	0
27,954	1977	10	19	4	15	0
27,955	1977	10	19	4	30	0
27,956	1977	10	19	4	45	0
27,957	1977	10	19	5	0	0
27,958	1977	10	19	5	15	0
27,959	1977	10	19	5	30	0
27,960	1977	10	19	5	45	0
27,961	1977	10	19	6	0	0
27,962	1977	10	19	6	15	0
27,963	1977	10	19	6	30	0
27,964	1977	10	19	6	45	0
27,965	1977	10	19	7	0	0
27,966	1977	10	19	7	15	0
27,967	1977	10	19	7	30	0
27,968	1977	10	19	7	45	0
27,969	1977	10	19	8	0	0
27,970	1977	10	19	8	15	0
27,971	1977	10	19	8	30	0
27,972	1977	10	19	8	45	0
27,973	1977	10	19	9	0	0
27,974	1977	10	19	9	15	0
27,975	1977	10	19	9	30	0
27,976	1977	10	19	9	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
27,977	1977	10	19	10	0	0
27,978	1977	10	19	10	15	0
27,979	1977	10	19	10	30	0
27,980	1977	10	19	10	45	0
27,981	1977	10	19	11	0	0
27,982	1977	10	19	11	15	0
27,983	1977	10	19	11	30	0
27,984	1977	10	19	11	45	0
27,985	1977	10	19	12	0	0.005
27,986	1977	10	19	12	15	0.005
27,987	1977	10	19	12	30	0.005
27,988	1977	10	19	12	45	0.005
27,989	1977	10	19	13	0	0.0025
27,990	1977	10	19	13	15	0.0025
27,991	1977	10	19	13	30	0.0025
27,992	1977	10	19	13	45	0.0025
27,993	1977	10	19	14	0	0
27,994	1977	10	19	14	15	0
27,995	1977	10	19	14	30	0
27,996	1977	10	19	14	45	0
27,997	1977	10	19	15	0	0
27,998	1977	10	19	15	15	0
27,999	1977	10	19	15	30	0
28,000	1977	10	19	15	45	0
28,001	1977	10	19	16	0	0
28,002	1977	10	19	16	15	0
28,003	1977	10	19	16	30	0
28,004	1977	10	19	16	45	0
28,005	1977	10	19	17	0	0.0225
28,006	1977	10	19	17	15	0.0225
28,007	1977	10	19	17	30	0.0225
28,008	1977	10	19	17	45	0.0225
28,009	1977	10	19	18	0	0.025
28,010	1977	10	19	18	15	0.025
28,011	1977	10	19	18	30	0.025
28,012	1977	10	19	18	45	0.025
28,013	1977	10	19	19	0	0.045
28,014	1977	10	19	19	15	0.045
28,015	1977	10	19	19	30	0.045
28,016	1977	10	19	19	45	0.045
28,017	1977	10	19	20	0	0
28,018	1977	10	19	20	15	0
28,019	1977	10	19	20	30	0
28,020	1977	10	19	20	45	0
28,021	1977	10	19	21	0	0.03
28,022	1977	10	19	21	15	0.03
28,023	1977	10	19	21	30	0.03
28,024	1977	10	19	21	45	0.03
28,025	1977	10	19	22	0	0
28,026	1977	10	19	22	15	0
28,027	1977	10	19	22	30	0
28,028	1977	10	19	22	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
28,029	1977	10	19	23	0	0
28,030	1977	10	19	23	15	0
28,031	1977	10	19	23	30	0
28,032	1977	10	19	23	45	0
28,033	1977	10	20	0	0	0
28,034	1977	10	20	0	15	0
28,035	1977	10	20	0	30	0
28,036	1977	10	20	0	45	0
28,037	1977	10	20	1	0	0
28,038	1977	10	20	1	15	0
28,039	1977	10	20	1	30	0
28,040	1977	10	20	1	45	0
28,041	1977	10	20	2	0	0
28,042	1977	10	20	2	15	0
28,043	1977	10	20	2	30	0
28,044	1977	10	20	2	45	0
28,045	1977	10	20	3	0	0
28,046	1977	10	20	3	15	0
28,047	1977	10	20	3	30	0
28,048	1977	10	20	3	45	0
28,049	1977	10	20	4	0	0
28,050	1977	10	20	4	15	0
28,051	1977	10	20	4	30	0
28,052	1977	10	20	4	45	0
28,053	1977	10	20	5	0	0
28,054	1977	10	20	5	15	0
28,055	1977	10	20	5	30	0
28,056	1977	10	20	5	45	0
28,057	1977	10	20	6	0	0
28,058	1977	10	20	6	15	0
28,059	1977	10	20	6	30	0
28,060	1977	10	20	6	45	0
28,061	1977	10	20	7	0	0
28,062	1977	10	20	7	15	0
28,063	1977	10	20	7	30	0
28,064	1977	10	20	7	45	0
28,065	1977	10	20	8	0	0
28,066	1977	10	20	8	15	0
28,067	1977	10	20	8	30	0
28,068	1977	10	20	8	45	0
28,069	1977	10	20	9	0	0
28,070	1977	10	20	9	15	0
28,071	1977	10	20	9	30	0
28,072	1977	10	20	9	45	0
28,073	1977	10	20	10	0	0
28,074	1977	10	20	10	15	0
28,075	1977	10	20	10	30	0
28,076	1977	10	20	10	45	0
28,077	1977	10	20	11	0	0
28,078	1977	10	20	11	15	0
28,079	1977	10	20	11	30	0
28,080	1977	10	20	11	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
28,081	1977	10	20	12	0	0
28,082	1977	10	20	12	15	0
28,083	1977	10	20	12	30	0
28,084	1977	10	20	12	45	0
28,085	1977	10	20	13	0	0
28,086	1977	10	20	13	15	0
28,087	1977	10	20	13	30	0
28,088	1977	10	20	13	45	0
28,089	1977	10	20	14	0	0
28,090	1977	10	20	14	15	0
28,091	1977	10	20	14	30	0
28,092	1977	10	20	14	45	0
28,093	1977	10	20	15	0	0
28,094	1977	10	20	15	15	0
28,095	1977	10	20	15	30	0
28,096	1977	10	20	15	45	0
28,097	1977	10	20	16	0	0
28,098	1977	10	20	16	15	0
28,099	1977	10	20	16	30	0
28,100	1977	10	20	16	45	0
28,101	1977	10	20	17	0	0
28,102	1977	10	20	17	15	0
28,103	1977	10	20	17	30	0
28,104	1977	10	20	17	45	0
28,105	1977	10	20	18	0	0
28,106	1977	10	20	18	15	0
28,107	1977	10	20	18	30	0
28,108	1977	10	20	18	45	0
28,109	1977	10	20	19	0	0
28,110	1977	10	20	19	15	0
28,111	1977	10	20	19	30	0
28,112	1977	10	20	19	45	0
28,113	1977	10	20	20	0	0
28,114	1977	10	20	20	15	0
28,115	1977	10	20	20	30	0
28,116	1977	10	20	20	45	0
28,117	1977	10	20	21	0	0
28,118	1977	10	20	21	15	0
28,119	1977	10	20	21	30	0
28,120	1977	10	20	21	45	0
28,121	1977	10	20	22	0	0
28,122	1977	10	20	22	15	0
28,123	1977	10	20	22	30	0
28,124	1977	10	20	22	45	0
28,125	1977	10	20	23	0	0
28,126	1977	10	20	23	15	0
28,127	1977	10	20	23	30	0
28,128	1977	10	20	23	45	0
28,129	1977	10	21	0	0	0
28,130	1977	10	21	0	15	0
28,131	1977	10	21	0	30	0
28,132	1977	10	21	0	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
28,133	1977	10	21	1	0	0
28,134	1977	10	21	1	15	0
28,135	1977	10	21	1	30	0
28,136	1977	10	21	1	45	0
28,137	1977	10	21	2	0	0
28,138	1977	10	21	2	15	0
28,139	1977	10	21	2	30	0
28,140	1977	10	21	2	45	0
28,141	1977	10	21	3	0	0
28,142	1977	10	21	3	15	0
28,143	1977	10	21	3	30	0
28,144	1977	10	21	3	45	0
28,145	1977	10	21	4	0	0
28,146	1977	10	21	4	15	0
28,147	1977	10	21	4	30	0
28,148	1977	10	21	4	45	0
28,149	1977	10	21	5	0	0
28,150	1977	10	21	5	15	0
28,151	1977	10	21	5	30	0
28,152	1977	10	21	5	45	0
28,153	1977	10	21	6	0	0
28,154	1977	10	21	6	15	0
28,155	1977	10	21	6	30	0
28,156	1977	10	21	6	45	0
28,157	1977	10	21	7	0	0
28,158	1977	10	21	7	15	0
28,159	1977	10	21	7	30	0
28,160	1977	10	21	7	45	0
28,161	1977	10	21	8	0	0
28,162	1977	10	21	8	15	0
28,163	1977	10	21	8	30	0
28,164	1977	10	21	8	45	0
28,165	1977	10	21	9	0	0
28,166	1977	10	21	9	15	0
28,167	1977	10	21	9	30	0
28,168	1977	10	21	9	45	0
28,169	1977	10	21	10	0	0
28,170	1977	10	21	10	15	0
28,171	1977	10	21	10	30	0
28,172	1977	10	21	10	45	0
28,173	1977	10	21	11	0	0
28,174	1977	10	21	11	15	0
28,175	1977	10	21	11	30	0
28,176	1977	10	21	11	45	0
28,177	1977	10	21	12	0	0
28,178	1977	10	21	12	15	0
28,179	1977	10	21	12	30	0
28,180	1977	10	21	12	45	0
28,181	1977	10	21	13	0	0
28,182	1977	10	21	13	15	0
28,183	1977	10	21	13	30	0
28,184	1977	10	21	13	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
28,185	1977	10	21	14	0	0
28,186	1977	10	21	14	15	0
28,187	1977	10	21	14	30	0
28,188	1977	10	21	14	45	0
28,189	1977	10	21	15	0	0
28,190	1977	10	21	15	15	0
28,191	1977	10	21	15	30	0
28,192	1977	10	21	15	45	0
28,193	1977	10	21	16	0	0
28,194	1977	10	21	16	15	0
28,195	1977	10	21	16	30	0
28,196	1977	10	21	16	45	0
28,197	1977	10	21	17	0	0
28,198	1977	10	21	17	15	0
28,199	1977	10	21	17	30	0
28,200	1977	10	21	17	45	0
28,201	1977	10	21	18	0	0
28,202	1977	10	21	18	15	0
28,203	1977	10	21	18	30	0
28,204	1977	10	21	18	45	0
28,205	1977	10	21	19	0	0
28,206	1977	10	21	19	15	0
28,207	1977	10	21	19	30	0
28,208	1977	10	21	19	45	0
28,209	1977	10	21	20	0	0
28,210	1977	10	21	20	15	0
28,211	1977	10	21	20	30	0
28,212	1977	10	21	20	45	0
28,213	1977	10	21	21	0	0
28,214	1977	10	21	21	15	0
28,215	1977	10	21	21	30	0
28,216	1977	10	21	21	45	0
28,217	1977	10	21	22	0	0
28,218	1977	10	21	22	15	0
28,219	1977	10	21	22	30	0
28,220	1977	10	21	22	45	0
28,221	1977	10	21	23	0	0
28,222	1977	10	21	23	15	0
28,223	1977	10	21	23	30	0
28,224	1977	10	21	23	45	0
28,225	1977	10	22	0	0	0
28,226	1977	10	22	0	15	0
28,227	1977	10	22	0	30	0
28,228	1977	10	22	0	45	0
28,229	1977	10	22	1	0	0
28,230	1977	10	22	1	15	0
28,231	1977	10	22	1	30	0
28,232	1977	10	22	1	45	0
28,233	1977	10	22	2	0	0
28,234	1977	10	22	2	15	0
28,235	1977	10	22	2	30	0
28,236	1977	10	22	2	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
28,237	1977	10	22	3	0	0
28,238	1977	10	22	3	15	0
28,239	1977	10	22	3	30	0
28,240	1977	10	22	3	45	0
28,241	1977	10	22	4	0	0
28,242	1977	10	22	4	15	0
28,243	1977	10	22	4	30	0
28,244	1977	10	22	4	45	0
28,245	1977	10	22	5	0	0
28,246	1977	10	22	5	15	0
28,247	1977	10	22	5	30	0
28,248	1977	10	22	5	45	0
28,249	1977	10	22	6	0	0
28,250	1977	10	22	6	15	0
28,251	1977	10	22	6	30	0
28,252	1977	10	22	6	45	0
28,253	1977	10	22	7	0	0
28,254	1977	10	22	7	15	0
28,255	1977	10	22	7	30	0
28,256	1977	10	22	7	45	0
28,257	1977	10	22	8	0	0
28,258	1977	10	22	8	15	0
28,259	1977	10	22	8	30	0
28,260	1977	10	22	8	45	0
28,261	1977	10	22	9	0	0
28,262	1977	10	22	9	15	0
28,263	1977	10	22	9	30	0
28,264	1977	10	22	9	45	0
28,265	1977	10	22	10	0	0
28,266	1977	10	22	10	15	0
28,267	1977	10	22	10	30	0
28,268	1977	10	22	10	45	0
28,269	1977	10	22	11	0	0
28,270	1977	10	22	11	15	0
28,271	1977	10	22	11	30	0
28,272	1977	10	22	11	45	0
28,273	1977	10	22	12	0	0
28,274	1977	10	22	12	15	0
28,275	1977	10	22	12	30	0
28,276	1977	10	22	12	45	0
28,277	1977	10	22	13	0	0
28,278	1977	10	22	13	15	0
28,279	1977	10	22	13	30	0
28,280	1977	10	22	13	45	0
28,281	1977	10	22	14	0	0
28,282	1977	10	22	14	15	0
28,283	1977	10	22	14	30	0
28,284	1977	10	22	14	45	0
28,285	1977	10	22	15	0	0
28,286	1977	10	22	15	15	0
28,287	1977	10	22	15	30	0
28,288	1977	10	22	15	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
28,289	1977	10	22	16	0	0
28,290	1977	10	22	16	15	0
28,291	1977	10	22	16	30	0
28,292	1977	10	22	16	45	0
28,293	1977	10	22	17	0	0
28,294	1977	10	22	17	15	0
28,295	1977	10	22	17	30	0
28,296	1977	10	22	17	45	0
28,297	1977	10	22	18	0	0
28,298	1977	10	22	18	15	0
28,299	1977	10	22	18	30	0
28,300	1977	10	22	18	45	0
28,301	1977	10	22	19	0	0
28,302	1977	10	22	19	15	0
28,303	1977	10	22	19	30	0
28,304	1977	10	22	19	45	0
28,305	1977	10	22	20	0	0
28,306	1977	10	22	20	15	0
28,307	1977	10	22	20	30	0
28,308	1977	10	22	20	45	0
28,309	1977	10	22	21	0	0
28,310	1977	10	22	21	15	0
28,311	1977	10	22	21	30	0
28,312	1977	10	22	21	45	0
28,313	1977	10	22	22	0	0
28,314	1977	10	22	22	15	0
28,315	1977	10	22	22	30	0
28,316	1977	10	22	22	45	0
28,317	1977	10	22	23	0	0
28,318	1977	10	22	23	15	0
28,319	1977	10	22	23	30	0
28,320	1977	10	22	23	45	0
28,321	1977	10	23	0	0	0
28,322	1977	10	23	0	15	0
28,323	1977	10	23	0	30	0
28,324	1977	10	23	0	45	0
28,325	1977	10	23	1	0	0
28,326	1977	10	23	1	15	0
28,327	1977	10	23	1	30	0
28,328	1977	10	23	1	45	0
28,329	1977	10	23	2	0	0
28,330	1977	10	23	2	15	0
28,331	1977	10	23	2	30	0
28,332	1977	10	23	2	45	0
28,333	1977	10	23	3	0	0
28,334	1977	10	23	3	15	0
28,335	1977	10	23	3	30	0
28,336	1977	10	23	3	45	0
28,337	1977	10	23	4	0	0
28,338	1977	10	23	4	15	0
28,339	1977	10	23	4	30	0
28,340	1977	10	23	4	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
28,341	1977	10	23	5	0	0
28,342	1977	10	23	5	15	0
28,343	1977	10	23	5	30	0
28,344	1977	10	23	5	45	0
28,345	1977	10	23	6	0	0
28,346	1977	10	23	6	15	0
28,347	1977	10	23	6	30	0
28,348	1977	10	23	6	45	0
28,349	1977	10	23	7	0	0
28,350	1977	10	23	7	15	0
28,351	1977	10	23	7	30	0
28,352	1977	10	23	7	45	0
28,353	1977	10	23	8	0	0
28,354	1977	10	23	8	15	0
28,355	1977	10	23	8	30	0
28,356	1977	10	23	8	45	0
28,357	1977	10	23	9	0	0
28,358	1977	10	23	9	15	0
28,359	1977	10	23	9	30	0
28,360	1977	10	23	9	45	0
28,361	1977	10	23	10	0	0
28,362	1977	10	23	10	15	0
28,363	1977	10	23	10	30	0
28,364	1977	10	23	10	45	0
28,365	1977	10	23	11	0	0
28,366	1977	10	23	11	15	0
28,367	1977	10	23	11	30	0
28,368	1977	10	23	11	45	0
28,369	1977	10	23	12	0	0
28,370	1977	10	23	12	15	0
28,371	1977	10	23	12	30	0
28,372	1977	10	23	12	45	0
28,373	1977	10	23	13	0	0.0025
28,374	1977	10	23	13	15	0.0025
28,375	1977	10	23	13	30	0.0025
28,376	1977	10	23	13	45	0.0025
28,377	1977	10	23	14	0	0.0025
28,378	1977	10	23	14	15	0.0025
28,379	1977	10	23	14	30	0.0025
28,380	1977	10	23	14	45	0.0025
28,381	1977	10	23	15	0	0
28,382	1977	10	23	15	15	0
28,383	1977	10	23	15	30	0
28,384	1977	10	23	15	45	0
28,385	1977	10	23	16	0	0
28,386	1977	10	23	16	15	0
28,387	1977	10	23	16	30	0
28,388	1977	10	23	16	45	0
28,389	1977	10	23	17	0	0
28,390	1977	10	23	17	15	0
28,391	1977	10	23	17	30	0
28,392	1977	10	23	17	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
28,393	1977	10	23	18	0	0
28,394	1977	10	23	18	15	0
28,395	1977	10	23	18	30	0
28,396	1977	10	23	18	45	0
28,397	1977	10	23	19	0	0
28,398	1977	10	23	19	15	0
28,399	1977	10	23	19	30	0
28,400	1977	10	23	19	45	0
28,401	1977	10	23	20	0	0
28,402	1977	10	23	20	15	0
28,403	1977	10	23	20	30	0
28,404	1977	10	23	20	45	0
28,405	1977	10	23	21	0	0
28,406	1977	10	23	21	15	0
28,407	1977	10	23	21	30	0
28,408	1977	10	23	21	45	0
28,409	1977	10	23	22	0	0
28,410	1977	10	23	22	15	0
28,411	1977	10	23	22	30	0
28,412	1977	10	23	22	45	0
28,413	1977	10	23	23	0	0
28,414	1977	10	23	23	15	0
28,415	1977	10	23	23	30	0
28,416	1977	10	23	23	45	0
28,417	1977	10	24	0	0	0
28,418	1977	10	24	0	15	0
28,419	1977	10	24	0	30	0
28,420	1977	10	24	0	45	0
28,421	1977	10	24	1	0	0
28,422	1977	10	24	1	15	0
28,423	1977	10	24	1	30	0
28,424	1977	10	24	1	45	0
28,425	1977	10	24	2	0	0
28,426	1977	10	24	2	15	0
28,427	1977	10	24	2	30	0
28,428	1977	10	24	2	45	0
28,429	1977	10	24	3	0	0
28,430	1977	10	24	3	15	0
28,431	1977	10	24	3	30	0
28,432	1977	10	24	3	45	0
28,433	1977	10	24	4	0	0
28,434	1977	10	24	4	15	0
28,435	1977	10	24	4	30	0
28,436	1977	10	24	4	45	0
28,437	1977	10	24	5	0	0
28,438	1977	10	24	5	15	0
28,439	1977	10	24	5	30	0
28,440	1977	10	24	5	45	0
28,441	1977	10	24	6	0	0
28,442	1977	10	24	6	15	0
28,443	1977	10	24	6	30	0
28,444	1977	10	24	6	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
28,445	1977	10	24	7	0	0
28,446	1977	10	24	7	15	0
28,447	1977	10	24	7	30	0
28,448	1977	10	24	7	45	0
28,449	1977	10	24	8	0	0
28,450	1977	10	24	8	15	0
28,451	1977	10	24	8	30	0
28,452	1977	10	24	8	45	0
28,453	1977	10	24	9	0	0
28,454	1977	10	24	9	15	0
28,455	1977	10	24	9	30	0
28,456	1977	10	24	9	45	0
28,457	1977	10	24	10	0	0
28,458	1977	10	24	10	15	0
28,459	1977	10	24	10	30	0
28,460	1977	10	24	10	45	0
28,461	1977	10	24	11	0	0
28,462	1977	10	24	11	15	0
28,463	1977	10	24	11	30	0
28,464	1977	10	24	11	45	0
28,465	1977	10	24	12	0	0
28,466	1977	10	24	12	15	0
28,467	1977	10	24	12	30	0
28,468	1977	10	24	12	45	0
28,469	1977	10	24	13	0	0
28,470	1977	10	24	13	15	0
28,471	1977	10	24	13	30	0
28,472	1977	10	24	13	45	0
28,473	1977	10	24	14	0	0
28,474	1977	10	24	14	15	0
28,475	1977	10	24	14	30	0
28,476	1977	10	24	14	45	0
28,477	1977	10	24	15	0	0
28,478	1977	10	24	15	15	0
28,479	1977	10	24	15	30	0
28,480	1977	10	24	15	45	0
28,481	1977	10	24	16	0	0
28,482	1977	10	24	16	15	0
28,483	1977	10	24	16	30	0
28,484	1977	10	24	16	45	0
28,485	1977	10	24	17	0	0
28,486	1977	10	24	17	15	0
28,487	1977	10	24	17	30	0
28,488	1977	10	24	17	45	0
28,489	1977	10	24	18	0	0
28,490	1977	10	24	18	15	0
28,491	1977	10	24	18	30	0
28,492	1977	10	24	18	45	0
28,493	1977	10	24	19	0	0
28,494	1977	10	24	19	15	0
28,495	1977	10	24	19	30	0
28,496	1977	10	24	19	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
28,497	1977	10	24	20	0	0
28,498	1977	10	24	20	15	0
28,499	1977	10	24	20	30	0
28,500	1977	10	24	20	45	0
28,501	1977	10	24	21	0	0
28,502	1977	10	24	21	15	0
28,503	1977	10	24	21	30	0
28,504	1977	10	24	21	45	0
28,505	1977	10	24	22	0	0
28,506	1977	10	24	22	15	0
28,507	1977	10	24	22	30	0
28,508	1977	10	24	22	45	0
28,509	1977	10	24	23	0	0
28,510	1977	10	24	23	15	0
28,511	1977	10	24	23	30	0
28,512	1977	10	24	23	45	0
28,513	1977	10	25	0	0	0
28,514	1977	10	25	0	15	0
28,515	1977	10	25	0	30	0
28,516	1977	10	25	0	45	0
28,517	1977	10	25	1	0	0
28,518	1977	10	25	1	15	0
28,519	1977	10	25	1	30	0
28,520	1977	10	25	1	45	0
28,521	1977	10	25	2	0	0
28,522	1977	10	25	2	15	0
28,523	1977	10	25	2	30	0
28,524	1977	10	25	2	45	0
28,525	1977	10	25	3	0	0
28,526	1977	10	25	3	15	0
28,527	1977	10	25	3	30	0
28,528	1977	10	25	3	45	0
28,529	1977	10	25	4	0	0
28,530	1977	10	25	4	15	0
28,531	1977	10	25	4	30	0
28,532	1977	10	25	4	45	0
28,533	1977	10	25	5	0	0
28,534	1977	10	25	5	15	0
28,535	1977	10	25	5	30	0
28,536	1977	10	25	5	45	0
28,537	1977	10	25	6	0	0
28,538	1977	10	25	6	15	0
28,539	1977	10	25	6	30	0
28,540	1977	10	25	6	45	0
28,541	1977	10	25	7	0	0
28,542	1977	10	25	7	15	0
28,543	1977	10	25	7	30	0
28,544	1977	10	25	7	45	0
28,545	1977	10	25	8	0	0
28,546	1977	10	25	8	15	0
28,547	1977	10	25	8	30	0
28,548	1977	10	25	8	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
28,549	1977	10	25	9	0	0
28,550	1977	10	25	9	15	0
28,551	1977	10	25	9	30	0
28,552	1977	10	25	9	45	0
28,553	1977	10	25	10	0	0
28,554	1977	10	25	10	15	0
28,555	1977	10	25	10	30	0
28,556	1977	10	25	10	45	0
28,557	1977	10	25	11	0	0
28,558	1977	10	25	11	15	0
28,559	1977	10	25	11	30	0
28,560	1977	10	25	11	45	0
28,561	1977	10	25	12	0	0
28,562	1977	10	25	12	15	0
28,563	1977	10	25	12	30	0
28,564	1977	10	25	12	45	0
28,565	1977	10	25	13	0	0
28,566	1977	10	25	13	15	0
28,567	1977	10	25	13	30	0
28,568	1977	10	25	13	45	0
28,569	1977	10	25	14	0	0
28,570	1977	10	25	14	15	0
28,571	1977	10	25	14	30	0
28,572	1977	10	25	14	45	0
28,573	1977	10	25	15	0	0
28,574	1977	10	25	15	15	0
28,575	1977	10	25	15	30	0
28,576	1977	10	25	15	45	0
28,577	1977	10	25	16	0	0
28,578	1977	10	25	16	15	0
28,579	1977	10	25	16	30	0
28,580	1977	10	25	16	45	0
28,581	1977	10	25	17	0	0
28,582	1977	10	25	17	15	0
28,583	1977	10	25	17	30	0
28,584	1977	10	25	17	45	0
28,585	1977	10	25	18	0	0
28,586	1977	10	25	18	15	0
28,587	1977	10	25	18	30	0
28,588	1977	10	25	18	45	0
28,589	1977	10	25	19	0	0
28,590	1977	10	25	19	15	0
28,591	1977	10	25	19	30	0
28,592	1977	10	25	19	45	0
28,593	1977	10	25	20	0	0
28,594	1977	10	25	20	15	0
28,595	1977	10	25	20	30	0
28,596	1977	10	25	20	45	0
28,597	1977	10	25	21	0	0
28,598	1977	10	25	21	15	0
28,599	1977	10	25	21	30	0
28,600	1977	10	25	21	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
28,601	1977	10	25	22	0	0
28,602	1977	10	25	22	15	0
28,603	1977	10	25	22	30	0
28,604	1977	10	25	22	45	0
28,605	1977	10	25	23	0	0
28,606	1977	10	25	23	15	0
28,607	1977	10	25	23	30	0
28,608	1977	10	25	23	45	0
28,609	1977	10	26	0	0	0
28,610	1977	10	26	0	15	0
28,611	1977	10	26	0	30	0
28,612	1977	10	26	0	45	0
28,613	1977	10	26	1	0	0
28,614	1977	10	26	1	15	0
28,615	1977	10	26	1	30	0
28,616	1977	10	26	1	45	0
28,617	1977	10	26	2	0	0
28,618	1977	10	26	2	15	0
28,619	1977	10	26	2	30	0
28,620	1977	10	26	2	45	0
28,621	1977	10	26	3	0	0
28,622	1977	10	26	3	15	0
28,623	1977	10	26	3	30	0
28,624	1977	10	26	3	45	0
28,625	1977	10	26	4	0	0.0075
28,626	1977	10	26	4	15	0.0075
28,627	1977	10	26	4	30	0.0075
28,628	1977	10	26	4	45	0.0075
28,629	1977	10	26	5	0	0.0075
28,630	1977	10	26	5	15	0.0075
28,631	1977	10	26	5	30	0.0075
28,632	1977	10	26	5	45	0.0075
28,633	1977	10	26	6	0	0
28,634	1977	10	26	6	15	0
28,635	1977	10	26	6	30	0
28,636	1977	10	26	6	45	0
28,637	1977	10	26	7	0	0
28,638	1977	10	26	7	15	0
28,639	1977	10	26	7	30	0
28,640	1977	10	26	7	45	0
28,641	1977	10	26	8	0	0
28,642	1977	10	26	8	15	0
28,643	1977	10	26	8	30	0
28,644	1977	10	26	8	45	0
28,645	1977	10	26	9	0	0
28,646	1977	10	26	9	15	0
28,647	1977	10	26	9	30	0
28,648	1977	10	26	9	45	0
28,649	1977	10	26	10	0	0
28,650	1977	10	26	10	15	0
28,651	1977	10	26	10	30	0
28,652	1977	10	26	10	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
28,653	1977	10	26	11	0	0
28,654	1977	10	26	11	15	0
28,655	1977	10	26	11	30	0
28,656	1977	10	26	11	45	0
28,657	1977	10	26	12	0	0
28,658	1977	10	26	12	15	0
28,659	1977	10	26	12	30	0
28,660	1977	10	26	12	45	0
28,661	1977	10	26	13	0	0
28,662	1977	10	26	13	15	0
28,663	1977	10	26	13	30	0
28,664	1977	10	26	13	45	0
28,665	1977	10	26	14	0	0
28,666	1977	10	26	14	15	0
28,667	1977	10	26	14	30	0
28,668	1977	10	26	14	45	0
28,669	1977	10	26	15	0	0
28,670	1977	10	26	15	15	0
28,671	1977	10	26	15	30	0
28,672	1977	10	26	15	45	0
28,673	1977	10	26	16	0	0
28,674	1977	10	26	16	15	0
28,675	1977	10	26	16	30	0
28,676	1977	10	26	16	45	0
28,677	1977	10	26	17	0	0
28,678	1977	10	26	17	15	0
28,679	1977	10	26	17	30	0
28,680	1977	10	26	17	45	0
28,681	1977	10	26	18	0	0
28,682	1977	10	26	18	15	0
28,683	1977	10	26	18	30	0
28,684	1977	10	26	18	45	0
28,685	1977	10	26	19	0	0
28,686	1977	10	26	19	15	0
28,687	1977	10	26	19	30	0
28,688	1977	10	26	19	45	0
28,689	1977	10	26	20	0	0
28,690	1977	10	26	20	15	0
28,691	1977	10	26	20	30	0
28,692	1977	10	26	20	45	0
28,693	1977	10	26	21	0	0
28,694	1977	10	26	21	15	0
28,695	1977	10	26	21	30	0
28,696	1977	10	26	21	45	0
28,697	1977	10	26	22	0	0
28,698	1977	10	26	22	15	0
28,699	1977	10	26	22	30	0
28,700	1977	10	26	22	45	0
28,701	1977	10	26	23	0	0
28,702	1977	10	26	23	15	0
28,703	1977	10	26	23	30	0
28,704	1977	10	26	23	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
28,705	1977	10	27	0	0	0
28,706	1977	10	27	0	15	0
28,707	1977	10	27	0	30	0
28,708	1977	10	27	0	45	0
28,709	1977	10	27	1	0	0
28,710	1977	10	27	1	15	0
28,711	1977	10	27	1	30	0
28,712	1977	10	27	1	45	0
28,713	1977	10	27	2	0	0
28,714	1977	10	27	2	15	0
28,715	1977	10	27	2	30	0
28,716	1977	10	27	2	45	0
28,717	1977	10	27	3	0	0
28,718	1977	10	27	3	15	0
28,719	1977	10	27	3	30	0
28,720	1977	10	27	3	45	0
28,721	1977	10	27	4	0	0
28,722	1977	10	27	4	15	0
28,723	1977	10	27	4	30	0
28,724	1977	10	27	4	45	0
28,725	1977	10	27	5	0	0
28,726	1977	10	27	5	15	0
28,727	1977	10	27	5	30	0
28,728	1977	10	27	5	45	0
28,729	1977	10	27	6	0	0
28,730	1977	10	27	6	15	0
28,731	1977	10	27	6	30	0
28,732	1977	10	27	6	45	0
28,733	1977	10	27	7	0	0
28,734	1977	10	27	7	15	0
28,735	1977	10	27	7	30	0
28,736	1977	10	27	7	45	0
28,737	1977	10	27	8	0	0
28,738	1977	10	27	8	15	0
28,739	1977	10	27	8	30	0
28,740	1977	10	27	8	45	0
28,741	1977	10	27	9	0	0
28,742	1977	10	27	9	15	0
28,743	1977	10	27	9	30	0
28,744	1977	10	27	9	45	0
28,745	1977	10	27	10	0	0
28,746	1977	10	27	10	15	0
28,747	1977	10	27	10	30	0
28,748	1977	10	27	10	45	0
28,749	1977	10	27	11	0	0
28,750	1977	10	27	11	15	0
28,751	1977	10	27	11	30	0
28,752	1977	10	27	11	45	0
28,753	1977	10	27	12	0	0
28,754	1977	10	27	12	15	0
28,755	1977	10	27	12	30	0
28,756	1977	10	27	12	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
28,757	1977	10	27	13	0	0
28,758	1977	10	27	13	15	0
28,759	1977	10	27	13	30	0
28,760	1977	10	27	13	45	0
28,761	1977	10	27	14	0	0
28,762	1977	10	27	14	15	0
28,763	1977	10	27	14	30	0
28,764	1977	10	27	14	45	0
28,765	1977	10	27	15	0	0
28,766	1977	10	27	15	15	0
28,767	1977	10	27	15	30	0
28,768	1977	10	27	15	45	0
28,769	1977	10	27	16	0	0
28,770	1977	10	27	16	15	0
28,771	1977	10	27	16	30	0
28,772	1977	10	27	16	45	0
28,773	1977	10	27	17	0	0
28,774	1977	10	27	17	15	0
28,775	1977	10	27	17	30	0
28,776	1977	10	27	17	45	0
28,777	1977	10	27	18	0	0
28,778	1977	10	27	18	15	0
28,779	1977	10	27	18	30	0
28,780	1977	10	27	18	45	0
28,781	1977	10	27	19	0	0
28,782	1977	10	27	19	15	0
28,783	1977	10	27	19	30	0
28,784	1977	10	27	19	45	0
28,785	1977	10	27	20	0	0
28,786	1977	10	27	20	15	0
28,787	1977	10	27	20	30	0
28,788	1977	10	27	20	45	0
28,789	1977	10	27	21	0	0
28,790	1977	10	27	21	15	0
28,791	1977	10	27	21	30	0
28,792	1977	10	27	21	45	0
28,793	1977	10	27	22	0	0
28,794	1977	10	27	22	15	0
28,795	1977	10	27	22	30	0
28,796	1977	10	27	22	45	0
28,797	1977	10	27	23	0	0
28,798	1977	10	27	23	15	0
28,799	1977	10	27	23	30	0
28,800	1977	10	27	23	45	0
28,801	1977	10	28	0	0	0
28,802	1977	10	28	0	15	0
28,803	1977	10	28	0	30	0
28,804	1977	10	28	0	45	0
28,805	1977	10	28	1	0	0
28,806	1977	10	28	1	15	0
28,807	1977	10	28	1	30	0
28,808	1977	10	28	1	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
28,809	1977	10	28	2	0	0
28,810	1977	10	28	2	15	0
28,811	1977	10	28	2	30	0
28,812	1977	10	28	2	45	0
28,813	1977	10	28	3	0	0
28,814	1977	10	28	3	15	0
28,815	1977	10	28	3	30	0
28,816	1977	10	28	3	45	0
28,817	1977	10	28	4	0	0
28,818	1977	10	28	4	15	0
28,819	1977	10	28	4	30	0
28,820	1977	10	28	4	45	0
28,821	1977	10	28	5	0	0
28,822	1977	10	28	5	15	0
28,823	1977	10	28	5	30	0
28,824	1977	10	28	5	45	0
28,825	1977	10	28	6	0	0
28,826	1977	10	28	6	15	0
28,827	1977	10	28	6	30	0
28,828	1977	10	28	6	45	0
28,829	1977	10	28	7	0	0
28,830	1977	10	28	7	15	0
28,831	1977	10	28	7	30	0
28,832	1977	10	28	7	45	0
28,833	1977	10	28	8	0	0
28,834	1977	10	28	8	15	0
28,835	1977	10	28	8	30	0
28,836	1977	10	28	8	45	0
28,837	1977	10	28	9	0	0
28,838	1977	10	28	9	15	0
28,839	1977	10	28	9	30	0
28,840	1977	10	28	9	45	0
28,841	1977	10	28	10	0	0
28,842	1977	10	28	10	15	0
28,843	1977	10	28	10	30	0
28,844	1977	10	28	10	45	0
28,845	1977	10	28	11	0	0
28,846	1977	10	28	11	15	0
28,847	1977	10	28	11	30	0
28,848	1977	10	28	11	45	0
28,849	1977	10	28	12	0	0
28,850	1977	10	28	12	15	0
28,851	1977	10	28	12	30	0
28,852	1977	10	28	12	45	0
28,853	1977	10	28	13	0	0
28,854	1977	10	28	13	15	0
28,855	1977	10	28	13	30	0
28,856	1977	10	28	13	45	0
28,857	1977	10	28	14	0	0
28,858	1977	10	28	14	15	0
28,859	1977	10	28	14	30	0
28,860	1977	10	28	14	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
28,861	1977	10	28	15	0	0
28,862	1977	10	28	15	15	0
28,863	1977	10	28	15	30	0
28,864	1977	10	28	15	45	0
28,865	1977	10	28	16	0	0
28,866	1977	10	28	16	15	0
28,867	1977	10	28	16	30	0
28,868	1977	10	28	16	45	0
28,869	1977	10	28	17	0	0
28,870	1977	10	28	17	15	0
28,871	1977	10	28	17	30	0
28,872	1977	10	28	17	45	0
28,873	1977	10	28	18	0	0
28,874	1977	10	28	18	15	0
28,875	1977	10	28	18	30	0
28,876	1977	10	28	18	45	0
28,877	1977	10	28	19	0	0
28,878	1977	10	28	19	15	0
28,879	1977	10	28	19	30	0
28,880	1977	10	28	19	45	0
28,881	1977	10	28	20	0	0
28,882	1977	10	28	20	15	0
28,883	1977	10	28	20	30	0
28,884	1977	10	28	20	45	0
28,885	1977	10	28	21	0	0
28,886	1977	10	28	21	15	0
28,887	1977	10	28	21	30	0
28,888	1977	10	28	21	45	0
28,889	1977	10	28	22	0	0
28,890	1977	10	28	22	15	0
28,891	1977	10	28	22	30	0
28,892	1977	10	28	22	45	0
28,893	1977	10	28	23	0	0
28,894	1977	10	28	23	15	0
28,895	1977	10	28	23	30	0
28,896	1977	10	28	23	45	0
28,897	1977	10	29	0	0	0
28,898	1977	10	29	0	15	0
28,899	1977	10	29	0	30	0
28,900	1977	10	29	0	45	0
28,901	1977	10	29	1	0	0
28,902	1977	10	29	1	15	0
28,903	1977	10	29	1	30	0
28,904	1977	10	29	1	45	0
28,905	1977	10	29	2	0	0
28,906	1977	10	29	2	15	0
28,907	1977	10	29	2	30	0
28,908	1977	10	29	2	45	0
28,909	1977	10	29	3	0	0
28,910	1977	10	29	3	15	0
28,911	1977	10	29	3	30	0
28,912	1977	10	29	3	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
28,913	1977	10	29	4	0	0
28,914	1977	10	29	4	15	0
28,915	1977	10	29	4	30	0
28,916	1977	10	29	4	45	0
28,917	1977	10	29	5	0	0
28,918	1977	10	29	5	15	0
28,919	1977	10	29	5	30	0
28,920	1977	10	29	5	45	0
28,921	1977	10	29	6	0	0
28,922	1977	10	29	6	15	0
28,923	1977	10	29	6	30	0
28,924	1977	10	29	6	45	0
28,925	1977	10	29	7	0	0
28,926	1977	10	29	7	15	0
28,927	1977	10	29	7	30	0
28,928	1977	10	29	7	45	0
28,929	1977	10	29	8	0	0
28,930	1977	10	29	8	15	0
28,931	1977	10	29	8	30	0
28,932	1977	10	29	8	45	0
28,933	1977	10	29	9	0	0
28,934	1977	10	29	9	15	0
28,935	1977	10	29	9	30	0
28,936	1977	10	29	9	45	0
28,937	1977	10	29	10	0	0
28,938	1977	10	29	10	15	0
28,939	1977	10	29	10	30	0
28,940	1977	10	29	10	45	0
28,941	1977	10	29	11	0	0
28,942	1977	10	29	11	15	0
28,943	1977	10	29	11	30	0
28,944	1977	10	29	11	45	0
28,945	1977	10	29	12	0	0.0775
28,946	1977	10	29	12	15	0.0775
28,947	1977	10	29	12	30	0.0775
28,948	1977	10	29	12	45	0.0775
28,949	1977	10	29	13	0	0
28,950	1977	10	29	13	15	0
28,951	1977	10	29	13	30	0
28,952	1977	10	29	13	45	0
28,953	1977	10	29	14	0	0
28,954	1977	10	29	14	15	0
28,955	1977	10	29	14	30	0
28,956	1977	10	29	14	45	0
28,957	1977	10	29	15	0	0
28,958	1977	10	29	15	15	0
28,959	1977	10	29	15	30	0
28,960	1977	10	29	15	45	0
28,961	1977	10	29	16	0	0
28,962	1977	10	29	16	15	0
28,963	1977	10	29	16	30	0
28,964	1977	10	29	16	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
28,965	1977	10	29	17	0	0
28,966	1977	10	29	17	15	0
28,967	1977	10	29	17	30	0
28,968	1977	10	29	17	45	0
28,969	1977	10	29	18	0	0
28,970	1977	10	29	18	15	0
28,971	1977	10	29	18	30	0
28,972	1977	10	29	18	45	0
28,973	1977	10	29	19	0	0
28,974	1977	10	29	19	15	0
28,975	1977	10	29	19	30	0
28,976	1977	10	29	19	45	0
28,977	1977	10	29	20	0	0
28,978	1977	10	29	20	15	0
28,979	1977	10	29	20	30	0
28,980	1977	10	29	20	45	0
28,981	1977	10	29	21	0	0
28,982	1977	10	29	21	15	0
28,983	1977	10	29	21	30	0
28,984	1977	10	29	21	45	0
28,985	1977	10	29	22	0	0
28,986	1977	10	29	22	15	0
28,987	1977	10	29	22	30	0
28,988	1977	10	29	22	45	0
28,989	1977	10	29	23	0	0
28,990	1977	10	29	23	15	0
28,991	1977	10	29	23	30	0
28,992	1977	10	29	23	45	0
28,993	1977	10	30	0	0	0
28,994	1977	10	30	0	15	0
28,995	1977	10	30	0	30	0
28,996	1977	10	30	0	45	0
28,997	1977	10	30	1	0	0
28,998	1977	10	30	1	15	0
28,999	1977	10	30	1	30	0
29,000	1977	10	30	1	45	0
29,001	1977	10	30	2	0	0
29,002	1977	10	30	2	15	0
29,003	1977	10	30	2	30	0
29,004	1977	10	30	2	45	0
29,005	1977	10	30	3	0	0
29,006	1977	10	30	3	15	0
29,007	1977	10	30	3	30	0
29,008	1977	10	30	3	45	0
29,009	1977	10	30	4	0	0
29,010	1977	10	30	4	15	0
29,011	1977	10	30	4	30	0
29,012	1977	10	30	4	45	0
29,013	1977	10	30	5	0	0
29,014	1977	10	30	5	15	0
29,015	1977	10	30	5	30	0
29,016	1977	10	30	5	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
29,017	1977	10	30	6	0	0
29,018	1977	10	30	6	15	0
29,019	1977	10	30	6	30	0
29,020	1977	10	30	6	45	0
29,021	1977	10	30	7	0	0
29,022	1977	10	30	7	15	0
29,023	1977	10	30	7	30	0
29,024	1977	10	30	7	45	0
29,025	1977	10	30	8	0	0
29,026	1977	10	30	8	15	0
29,027	1977	10	30	8	30	0
29,028	1977	10	30	8	45	0
29,029	1977	10	30	9	0	0
29,030	1977	10	30	9	15	0
29,031	1977	10	30	9	30	0
29,032	1977	10	30	9	45	0
29,033	1977	10	30	10	0	0
29,034	1977	10	30	10	15	0
29,035	1977	10	30	10	30	0
29,036	1977	10	30	10	45	0
29,037	1977	10	30	11	0	0
29,038	1977	10	30	11	15	0
29,039	1977	10	30	11	30	0
29,040	1977	10	30	11	45	0
29,041	1977	10	30	12	0	0
29,042	1977	10	30	12	15	0
29,043	1977	10	30	12	30	0
29,044	1977	10	30	12	45	0
29,045	1977	10	30	13	0	0
29,046	1977	10	30	13	15	0
29,047	1977	10	30	13	30	0
29,048	1977	10	30	13	45	0
29,049	1977	10	30	14	0	0
29,050	1977	10	30	14	15	0
29,051	1977	10	30	14	30	0
29,052	1977	10	30	14	45	0
29,053	1977	10	30	15	0	0
29,054	1977	10	30	15	15	0
29,055	1977	10	30	15	30	0
29,056	1977	10	30	15	45	0
29,057	1977	10	30	16	0	0
29,058	1977	10	30	16	15	0
29,059	1977	10	30	16	30	0
29,060	1977	10	30	16	45	0
29,061	1977	10	30	17	0	0
29,062	1977	10	30	17	15	0
29,063	1977	10	30	17	30	0
29,064	1977	10	30	17	45	0
29,065	1977	10	30	18	0	0
29,066	1977	10	30	18	15	0
29,067	1977	10	30	18	30	0
29,068	1977	10	30	18	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
29,069	1977	10	30	19	0	0
29,070	1977	10	30	19	15	0
29,071	1977	10	30	19	30	0
29,072	1977	10	30	19	45	0
29,073	1977	10	30	20	0	0
29,074	1977	10	30	20	15	0
29,075	1977	10	30	20	30	0
29,076	1977	10	30	20	45	0
29,077	1977	10	30	21	0	0
29,078	1977	10	30	21	15	0
29,079	1977	10	30	21	30	0
29,080	1977	10	30	21	45	0
29,081	1977	10	30	22	0	0
29,082	1977	10	30	22	15	0
29,083	1977	10	30	22	30	0
29,084	1977	10	30	22	45	0
29,085	1977	10	30	23	0	0
29,086	1977	10	30	23	15	0
29,087	1977	10	30	23	30	0
29,088	1977	10	30	23	45	0
29,089	1977	10	31	0	0	0
29,090	1977	10	31	0	15	0
29,091	1977	10	31	0	30	0
29,092	1977	10	31	0	45	0
29,093	1977	10	31	1	0	0
29,094	1977	10	31	1	15	0
29,095	1977	10	31	1	30	0
29,096	1977	10	31	1	45	0
29,097	1977	10	31	2	0	0
29,098	1977	10	31	2	15	0
29,099	1977	10	31	2	30	0
29,100	1977	10	31	2	45	0
29,101	1977	10	31	3	0	0
29,102	1977	10	31	3	15	0
29,103	1977	10	31	3	30	0
29,104	1977	10	31	3	45	0
29,105	1977	10	31	4	0	0
29,106	1977	10	31	4	15	0
29,107	1977	10	31	4	30	0
29,108	1977	10	31	4	45	0
29,109	1977	10	31	5	0	0
29,110	1977	10	31	5	15	0
29,111	1977	10	31	5	30	0
29,112	1977	10	31	5	45	0
29,113	1977	10	31	6	0	0
29,114	1977	10	31	6	15	0
29,115	1977	10	31	6	30	0
29,116	1977	10	31	6	45	0
29,117	1977	10	31	7	0	0
29,118	1977	10	31	7	15	0
29,119	1977	10	31	7	30	0
29,120	1977	10	31	7	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
29,121	1977	10	31	8	0	0
29,122	1977	10	31	8	15	0
29,123	1977	10	31	8	30	0
29,124	1977	10	31	8	45	0
29,125	1977	10	31	9	0	0
29,126	1977	10	31	9	15	0
29,127	1977	10	31	9	30	0
29,128	1977	10	31	9	45	0
29,129	1977	10	31	10	0	0
29,130	1977	10	31	10	15	0
29,131	1977	10	31	10	30	0
29,132	1977	10	31	10	45	0
29,133	1977	10	31	11	0	0
29,134	1977	10	31	11	15	0
29,135	1977	10	31	11	30	0
29,136	1977	10	31	11	45	0
29,137	1977	10	31	12	0	0
29,138	1977	10	31	12	15	0
29,139	1977	10	31	12	30	0
29,140	1977	10	31	12	45	0
29,141	1977	10	31	13	0	0
29,142	1977	10	31	13	15	0
29,143	1977	10	31	13	30	0
29,144	1977	10	31	13	45	0
29,145	1977	10	31	14	0	0
29,146	1977	10	31	14	15	0
29,147	1977	10	31	14	30	0
29,148	1977	10	31	14	45	0
29,149	1977	10	31	15	0	0
29,150	1977	10	31	15	15	0
29,151	1977	10	31	15	30	0
29,152	1977	10	31	15	45	0
29,153	1977	10	31	16	0	0
29,154	1977	10	31	16	15	0
29,155	1977	10	31	16	30	0
29,156	1977	10	31	16	45	0
29,157	1977	10	31	17	0	0
29,158	1977	10	31	17	15	0
29,159	1977	10	31	17	30	0
29,160	1977	10	31	17	45	0
29,161	1977	10	31	18	0	0
29,162	1977	10	31	18	15	0
29,163	1977	10	31	18	30	0
29,164	1977	10	31	18	45	0
29,165	1977	10	31	19	0	0
29,166	1977	10	31	19	15	0
29,167	1977	10	31	19	30	0
29,168	1977	10	31	19	45	0
29,169	1977	10	31	20	0	0
29,170	1977	10	31	20	15	0
29,171	1977	10	31	20	30	0
29,172	1977	10	31	20	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
29,173	1977	10	31	21	0	0
29,174	1977	10	31	21	15	0
29,175	1977	10	31	21	30	0
29,176	1977	10	31	21	45	0
29,177	1977	10	31	22	0	0
29,178	1977	10	31	22	15	0
29,179	1977	10	31	22	30	0
29,180	1977	10	31	22	45	0
29,181	1977	10	31	23	0	0
29,182	1977	10	31	23	15	0
29,183	1977	10	31	23	30	0
29,184	1977	10	31	23	45	0
29,185	1977	11	1	0	0	0
29,186	1977	11	1	0	15	0
29,187	1977	11	1	0	30	0
29,188	1977	11	1	0	45	0
29,189	1977	11	1	1	0	0
29,190	1977	11	1	1	15	0
29,191	1977	11	1	1	30	0
29,192	1977	11	1	1	45	0
29,193	1977	11	1	2	0	0
29,194	1977	11	1	2	15	0
29,195	1977	11	1	2	30	0
29,196	1977	11	1	2	45	0
29,197	1977	11	1	3	0	0
29,198	1977	11	1	3	15	0
29,199	1977	11	1	3	30	0
29,200	1977	11	1	3	45	0
29,201	1977	11	1	4	0	0
29,202	1977	11	1	4	15	0
29,203	1977	11	1	4	30	0
29,204	1977	11	1	4	45	0
29,205	1977	11	1	5	0	0
29,206	1977	11	1	5	15	0
29,207	1977	11	1	5	30	0
29,208	1977	11	1	5	45	0
29,209	1977	11	1	6	0	0
29,210	1977	11	1	6	15	0
29,211	1977	11	1	6	30	0
29,212	1977	11	1	6	45	0
29,213	1977	11	1	7	0	0
29,214	1977	11	1	7	15	0
29,215	1977	11	1	7	30	0
29,216	1977	11	1	7	45	0
29,217	1977	11	1	8	0	0
29,218	1977	11	1	8	15	0
29,219	1977	11	1	8	30	0
29,220	1977	11	1	8	45	0
29,221	1977	11	1	9	0	0
29,222	1977	11	1	9	15	0
29,223	1977	11	1	9	30	0
29,224	1977	11	1	9	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
29,225	1977	11	1	10	0	0.0025
29,226	1977	11	1	10	15	0.0025
29,227	1977	11	1	10	30	0.0025
29,228	1977	11	1	10	45	0.0025
29,229	1977	11	1	11	0	0
29,230	1977	11	1	11	15	0
29,231	1977	11	1	11	30	0
29,232	1977	11	1	11	45	0
29,233	1977	11	1	12	0	0
29,234	1977	11	1	12	15	0
29,235	1977	11	1	12	30	0
29,236	1977	11	1	12	45	0
29,237	1977	11	1	13	0	0
29,238	1977	11	1	13	15	0
29,239	1977	11	1	13	30	0
29,240	1977	11	1	13	45	0
29,241	1977	11	1	14	0	0
29,242	1977	11	1	14	15	0
29,243	1977	11	1	14	30	0
29,244	1977	11	1	14	45	0
29,245	1977	11	1	15	0	0
29,246	1977	11	1	15	15	0
29,247	1977	11	1	15	30	0
29,248	1977	11	1	15	45	0
29,249	1977	11	1	16	0	0
29,250	1977	11	1	16	15	0
29,251	1977	11	1	16	30	0
29,252	1977	11	1	16	45	0
29,253	1977	11	1	17	0	0
29,254	1977	11	1	17	15	0
29,255	1977	11	1	17	30	0
29,256	1977	11	1	17	45	0
29,257	1977	11	1	18	0	0
29,258	1977	11	1	18	15	0
29,259	1977	11	1	18	30	0
29,260	1977	11	1	18	45	0
29,261	1977	11	1	19	0	0
29,262	1977	11	1	19	15	0
29,263	1977	11	1	19	30	0
29,264	1977	11	1	19	45	0
29,265	1977	11	1	20	0	0
29,266	1977	11	1	20	15	0
29,267	1977	11	1	20	30	0
29,268	1977	11	1	20	45	0
29,269	1977	11	1	21	0	0
29,270	1977	11	1	21	15	0
29,271	1977	11	1	21	30	0
29,272	1977	11	1	21	45	0
29,273	1977	11	1	22	0	0
29,274	1977	11	1	22	15	0
29,275	1977	11	1	22	30	0
29,276	1977	11	1	22	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
29,277	1977	11	1	23	0	0
29,278	1977	11	1	23	15	0
29,279	1977	11	1	23	30	0
29,280	1977	11	1	23	45	0
29,281	1977	11	2	0	0	0
29,282	1977	11	2	0	15	0
29,283	1977	11	2	0	30	0
29,284	1977	11	2	0	45	0
29,285	1977	11	2	1	0	0
29,286	1977	11	2	1	15	0
29,287	1977	11	2	1	30	0
29,288	1977	11	2	1	45	0
29,289	1977	11	2	2	0	0
29,290	1977	11	2	2	15	0
29,291	1977	11	2	2	30	0
29,292	1977	11	2	2	45	0
29,293	1977	11	2	3	0	0
29,294	1977	11	2	3	15	0
29,295	1977	11	2	3	30	0
29,296	1977	11	2	3	45	0
29,297	1977	11	2	4	0	0
29,298	1977	11	2	4	15	0
29,299	1977	11	2	4	30	0
29,300	1977	11	2	4	45	0
29,301	1977	11	2	5	0	0
29,302	1977	11	2	5	15	0
29,303	1977	11	2	5	30	0
29,304	1977	11	2	5	45	0
29,305	1977	11	2	6	0	0
29,306	1977	11	2	6	15	0
29,307	1977	11	2	6	30	0
29,308	1977	11	2	6	45	0
29,309	1977	11	2	7	0	0
29,310	1977	11	2	7	15	0
29,311	1977	11	2	7	30	0
29,312	1977	11	2	7	45	0
29,313	1977	11	2	8	0	0
29,314	1977	11	2	8	15	0
29,315	1977	11	2	8	30	0
29,316	1977	11	2	8	45	0
29,317	1977	11	2	9	0	0
29,318	1977	11	2	9	15	0
29,319	1977	11	2	9	30	0
29,320	1977	11	2	9	45	0
29,321	1977	11	2	10	0	0
29,322	1977	11	2	10	15	0
29,323	1977	11	2	10	30	0
29,324	1977	11	2	10	45	0
29,325	1977	11	2	11	0	0
29,326	1977	11	2	11	15	0
29,327	1977	11	2	11	30	0
29,328	1977	11	2	11	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
29,329	1977	11	2	12	0	0
29,330	1977	11	2	12	15	0
29,331	1977	11	2	12	30	0
29,332	1977	11	2	12	45	0
29,333	1977	11	2	13	0	0
29,334	1977	11	2	13	15	0
29,335	1977	11	2	13	30	0
29,336	1977	11	2	13	45	0
29,337	1977	11	2	14	0	0
29,338	1977	11	2	14	15	0
29,339	1977	11	2	14	30	0
29,340	1977	11	2	14	45	0
29,341	1977	11	2	15	0	0
29,342	1977	11	2	15	15	0
29,343	1977	11	2	15	30	0
29,344	1977	11	2	15	45	0
29,345	1977	11	2	16	0	0
29,346	1977	11	2	16	15	0
29,347	1977	11	2	16	30	0
29,348	1977	11	2	16	45	0
29,349	1977	11	2	17	0	0
29,350	1977	11	2	17	15	0
29,351	1977	11	2	17	30	0
29,352	1977	11	2	17	45	0
29,353	1977	11	2	18	0	0
29,354	1977	11	2	18	15	0
29,355	1977	11	2	18	30	0
29,356	1977	11	2	18	45	0
29,357	1977	11	2	19	0	0
29,358	1977	11	2	19	15	0
29,359	1977	11	2	19	30	0
29,360	1977	11	2	19	45	0
29,361	1977	11	2	20	0	0
29,362	1977	11	2	20	15	0
29,363	1977	11	2	20	30	0
29,364	1977	11	2	20	45	0
29,365	1977	11	2	21	0	0
29,366	1977	11	2	21	15	0
29,367	1977	11	2	21	30	0
29,368	1977	11	2	21	45	0
29,369	1977	11	2	22	0	0
29,370	1977	11	2	22	15	0
29,371	1977	11	2	22	30	0
29,372	1977	11	2	22	45	0
29,373	1977	11	2	23	0	0
29,374	1977	11	2	23	15	0
29,375	1977	11	2	23	30	0
29,376	1977	11	2	23	45	0
29,377	1977	11	3	0	0	0
29,378	1977	11	3	0	15	0
29,379	1977	11	3	0	30	0
29,380	1977	11	3	0	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
29,381	1977	11	3	1	0	0
29,382	1977	11	3	1	15	0
29,383	1977	11	3	1	30	0
29,384	1977	11	3	1	45	0
29,385	1977	11	3	2	0	0
29,386	1977	11	3	2	15	0
29,387	1977	11	3	2	30	0
29,388	1977	11	3	2	45	0
29,389	1977	11	3	3	0	0
29,390	1977	11	3	3	15	0
29,391	1977	11	3	3	30	0
29,392	1977	11	3	3	45	0
29,393	1977	11	3	4	0	0
29,394	1977	11	3	4	15	0
29,395	1977	11	3	4	30	0
29,396	1977	11	3	4	45	0
29,397	1977	11	3	5	0	0
29,398	1977	11	3	5	15	0
29,399	1977	11	3	5	30	0
29,400	1977	11	3	5	45	0
29,401	1977	11	3	6	0	0
29,402	1977	11	3	6	15	0
29,403	1977	11	3	6	30	0
29,404	1977	11	3	6	45	0
29,405	1977	11	3	7	0	0
29,406	1977	11	3	7	15	0
29,407	1977	11	3	7	30	0
29,408	1977	11	3	7	45	0
29,409	1977	11	3	8	0	0
29,410	1977	11	3	8	15	0
29,411	1977	11	3	8	30	0
29,412	1977	11	3	8	45	0
29,413	1977	11	3	9	0	0
29,414	1977	11	3	9	15	0
29,415	1977	11	3	9	30	0
29,416	1977	11	3	9	45	0
29,417	1977	11	3	10	0	0
29,418	1977	11	3	10	15	0
29,419	1977	11	3	10	30	0
29,420	1977	11	3	10	45	0
29,421	1977	11	3	11	0	0
29,422	1977	11	3	11	15	0
29,423	1977	11	3	11	30	0
29,424	1977	11	3	11	45	0
29,425	1977	11	3	12	0	0
29,426	1977	11	3	12	15	0
29,427	1977	11	3	12	30	0
29,428	1977	11	3	12	45	0
29,429	1977	11	3	13	0	0
29,430	1977	11	3	13	15	0
29,431	1977	11	3	13	30	0
29,432	1977	11	3	13	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
29,433	1977	11	3	14	0	0
29,434	1977	11	3	14	15	0
29,435	1977	11	3	14	30	0
29,436	1977	11	3	14	45	0
29,437	1977	11	3	15	0	0
29,438	1977	11	3	15	15	0
29,439	1977	11	3	15	30	0
29,440	1977	11	3	15	45	0
29,441	1977	11	3	16	0	0
29,442	1977	11	3	16	15	0
29,443	1977	11	3	16	30	0
29,444	1977	11	3	16	45	0
29,445	1977	11	3	17	0	0
29,446	1977	11	3	17	15	0
29,447	1977	11	3	17	30	0
29,448	1977	11	3	17	45	0
29,449	1977	11	3	18	0	0
29,450	1977	11	3	18	15	0
29,451	1977	11	3	18	30	0
29,452	1977	11	3	18	45	0
29,453	1977	11	3	19	0	0
29,454	1977	11	3	19	15	0
29,455	1977	11	3	19	30	0
29,456	1977	11	3	19	45	0
29,457	1977	11	3	20	0	0
29,458	1977	11	3	20	15	0
29,459	1977	11	3	20	30	0
29,460	1977	11	3	20	45	0
29,461	1977	11	3	21	0	0
29,462	1977	11	3	21	15	0
29,463	1977	11	3	21	30	0
29,464	1977	11	3	21	45	0
29,465	1977	11	3	22	0	0
29,466	1977	11	3	22	15	0
29,467	1977	11	3	22	30	0
29,468	1977	11	3	22	45	0
29,469	1977	11	3	23	0	0
29,470	1977	11	3	23	15	0
29,471	1977	11	3	23	30	0
29,472	1977	11	3	23	45	0
29,473	1977	11	4	0	0	0
29,474	1977	11	4	0	15	0
29,475	1977	11	4	0	30	0
29,476	1977	11	4	0	45	0
29,477	1977	11	4	1	0	0
29,478	1977	11	4	1	15	0
29,479	1977	11	4	1	30	0
29,480	1977	11	4	1	45	0
29,481	1977	11	4	2	0	0
29,482	1977	11	4	2	15	0
29,483	1977	11	4	2	30	0
29,484	1977	11	4	2	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
29,485	1977	11	4	3	0	0
29,486	1977	11	4	3	15	0
29,487	1977	11	4	3	30	0
29,488	1977	11	4	3	45	0
29,489	1977	11	4	4	0	0
29,490	1977	11	4	4	15	0
29,491	1977	11	4	4	30	0
29,492	1977	11	4	4	45	0
29,493	1977	11	4	5	0	0
29,494	1977	11	4	5	15	0
29,495	1977	11	4	5	30	0
29,496	1977	11	4	5	45	0
29,497	1977	11	4	6	0	0
29,498	1977	11	4	6	15	0
29,499	1977	11	4	6	30	0
29,500	1977	11	4	6	45	0
29,501	1977	11	4	7	0	0
29,502	1977	11	4	7	15	0
29,503	1977	11	4	7	30	0
29,504	1977	11	4	7	45	0
29,505	1977	11	4	8	0	0
29,506	1977	11	4	8	15	0
29,507	1977	11	4	8	30	0
29,508	1977	11	4	8	45	0
29,509	1977	11	4	9	0	0
29,510	1977	11	4	9	15	0
29,511	1977	11	4	9	30	0
29,512	1977	11	4	9	45	0
29,513	1977	11	4	10	0	0
29,514	1977	11	4	10	15	0
29,515	1977	11	4	10	30	0
29,516	1977	11	4	10	45	0
29,517	1977	11	4	11	0	0.005
29,518	1977	11	4	11	15	0.005
29,519	1977	11	4	11	30	0.005
29,520	1977	11	4	11	45	0.005
29,521	1977	11	4	12	0	0.0025
29,522	1977	11	4	12	15	0.0025
29,523	1977	11	4	12	30	0.0025
29,524	1977	11	4	12	45	0.0025
29,525	1977	11	4	13	0	0.0025
29,526	1977	11	4	13	15	0.0025
29,527	1977	11	4	13	30	0.0025
29,528	1977	11	4	13	45	0.0025
29,529	1977	11	4	14	0	0
29,530	1977	11	4	14	15	0
29,531	1977	11	4	14	30	0
29,532	1977	11	4	14	45	0
29,533	1977	11	4	15	0	0
29,534	1977	11	4	15	15	0
29,535	1977	11	4	15	30	0
29,536	1977	11	4	15	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
29,537	1977	11	4	16	0	0.0025
29,538	1977	11	4	16	15	0.0025
29,539	1977	11	4	16	30	0.0025
29,540	1977	11	4	16	45	0.0025
29,541	1977	11	4	17	0	0.0025
29,542	1977	11	4	17	15	0.0025
29,543	1977	11	4	17	30	0.0025
29,544	1977	11	4	17	45	0.0025
29,545	1977	11	4	18	0	0
29,546	1977	11	4	18	15	0
29,547	1977	11	4	18	30	0
29,548	1977	11	4	18	45	0
29,549	1977	11	4	19	0	0
29,550	1977	11	4	19	15	0
29,551	1977	11	4	19	30	0
29,552	1977	11	4	19	45	0
29,553	1977	11	4	20	0	0
29,554	1977	11	4	20	15	0
29,555	1977	11	4	20	30	0
29,556	1977	11	4	20	45	0
29,557	1977	11	4	21	0	0
29,558	1977	11	4	21	15	0
29,559	1977	11	4	21	30	0
29,560	1977	11	4	21	45	0
29,561	1977	11	4	22	0	0
29,562	1977	11	4	22	15	0
29,563	1977	11	4	22	30	0
29,564	1977	11	4	22	45	0
29,565	1977	11	4	23	0	0
29,566	1977	11	4	23	15	0
29,567	1977	11	4	23	30	0
29,568	1977	11	4	23	45	0
29,569	1977	11	5	0	0	0
29,570	1977	11	5	0	15	0
29,571	1977	11	5	0	30	0
29,572	1977	11	5	0	45	0
29,573	1977	11	5	1	0	0
29,574	1977	11	5	1	15	0
29,575	1977	11	5	1	30	0
29,576	1977	11	5	1	45	0
29,577	1977	11	5	2	0	0
29,578	1977	11	5	2	15	0
29,579	1977	11	5	2	30	0
29,580	1977	11	5	2	45	0
29,581	1977	11	5	3	0	0
29,582	1977	11	5	3	15	0
29,583	1977	11	5	3	30	0
29,584	1977	11	5	3	45	0
29,585	1977	11	5	4	0	0
29,586	1977	11	5	4	15	0
29,587	1977	11	5	4	30	0
29,588	1977	11	5	4	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
29,589	1977	11	5	5	0	0
29,590	1977	11	5	5	15	0
29,591	1977	11	5	5	30	0
29,592	1977	11	5	5	45	0
29,593	1977	11	5	6	0	0
29,594	1977	11	5	6	15	0
29,595	1977	11	5	6	30	0
29,596	1977	11	5	6	45	0
29,597	1977	11	5	7	0	0
29,598	1977	11	5	7	15	0
29,599	1977	11	5	7	30	0
29,600	1977	11	5	7	45	0
29,601	1977	11	5	8	0	0
29,602	1977	11	5	8	15	0
29,603	1977	11	5	8	30	0
29,604	1977	11	5	8	45	0
29,605	1977	11	5	9	0	0
29,606	1977	11	5	9	15	0
29,607	1977	11	5	9	30	0
29,608	1977	11	5	9	45	0
29,609	1977	11	5	10	0	0
29,610	1977	11	5	10	15	0
29,611	1977	11	5	10	30	0
29,612	1977	11	5	10	45	0
29,613	1977	11	5	11	0	0
29,614	1977	11	5	11	15	0
29,615	1977	11	5	11	30	0
29,616	1977	11	5	11	45	0
29,617	1977	11	5	12	0	0
29,618	1977	11	5	12	15	0
29,619	1977	11	5	12	30	0
29,620	1977	11	5	12	45	0
29,621	1977	11	5	13	0	0
29,622	1977	11	5	13	15	0
29,623	1977	11	5	13	30	0
29,624	1977	11	5	13	45	0
29,625	1977	11	5	14	0	0
29,626	1977	11	5	14	15	0
29,627	1977	11	5	14	30	0
29,628	1977	11	5	14	45	0
29,629	1977	11	5	15	0	0
29,630	1977	11	5	15	15	0
29,631	1977	11	5	15	30	0
29,632	1977	11	5	15	45	0
29,633	1977	11	5	16	0	0
29,634	1977	11	5	16	15	0
29,635	1977	11	5	16	30	0
29,636	1977	11	5	16	45	0
29,637	1977	11	5	17	0	0
29,638	1977	11	5	17	15	0
29,639	1977	11	5	17	30	0
29,640	1977	11	5	17	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
29,641	1977	11	5	18	0	0
29,642	1977	11	5	18	15	0
29,643	1977	11	5	18	30	0
29,644	1977	11	5	18	45	0
29,645	1977	11	5	19	0	0
29,646	1977	11	5	19	15	0
29,647	1977	11	5	19	30	0
29,648	1977	11	5	19	45	0
29,649	1977	11	5	20	0	0
29,650	1977	11	5	20	15	0
29,651	1977	11	5	20	30	0
29,652	1977	11	5	20	45	0
29,653	1977	11	5	21	0	0
29,654	1977	11	5	21	15	0
29,655	1977	11	5	21	30	0
29,656	1977	11	5	21	45	0
29,657	1977	11	5	22	0	0
29,658	1977	11	5	22	15	0
29,659	1977	11	5	22	30	0
29,660	1977	11	5	22	45	0
29,661	1977	11	5	23	0	0
29,662	1977	11	5	23	15	0
29,663	1977	11	5	23	30	0
29,664	1977	11	5	23	45	0
29,665	1977	11	6	0	0	0
29,666	1977	11	6	0	15	0
29,667	1977	11	6	0	30	0
29,668	1977	11	6	0	45	0
29,669	1977	11	6	1	0	0
29,670	1977	11	6	1	15	0
29,671	1977	11	6	1	30	0
29,672	1977	11	6	1	45	0
29,673	1977	11	6	2	0	0
29,674	1977	11	6	2	15	0
29,675	1977	11	6	2	30	0
29,676	1977	11	6	2	45	0
29,677	1977	11	6	3	0	0
29,678	1977	11	6	3	15	0
29,679	1977	11	6	3	30	0
29,680	1977	11	6	3	45	0
29,681	1977	11	6	4	0	0
29,682	1977	11	6	4	15	0
29,683	1977	11	6	4	30	0
29,684	1977	11	6	4	45	0
29,685	1977	11	6	5	0	0
29,686	1977	11	6	5	15	0
29,687	1977	11	6	5	30	0
29,688	1977	11	6	5	45	0
29,689	1977	11	6	6	0	0
29,690	1977	11	6	6	15	0
29,691	1977	11	6	6	30	0
29,692	1977	11	6	6	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
29,693	1977	11	6	7	0	0
29,694	1977	11	6	7	15	0
29,695	1977	11	6	7	30	0
29,696	1977	11	6	7	45	0
29,697	1977	11	6	8	0	0
29,698	1977	11	6	8	15	0
29,699	1977	11	6	8	30	0
29,700	1977	11	6	8	45	0
29,701	1977	11	6	9	0	0
29,702	1977	11	6	9	15	0
29,703	1977	11	6	9	30	0
29,704	1977	11	6	9	45	0
29,705	1977	11	6	10	0	0
29,706	1977	11	6	10	15	0
29,707	1977	11	6	10	30	0
29,708	1977	11	6	10	45	0
29,709	1977	11	6	11	0	0
29,710	1977	11	6	11	15	0
29,711	1977	11	6	11	30	0
29,712	1977	11	6	11	45	0
29,713	1977	11	6	12	0	0
29,714	1977	11	6	12	15	0
29,715	1977	11	6	12	30	0
29,716	1977	11	6	12	45	0
29,717	1977	11	6	13	0	0
29,718	1977	11	6	13	15	0
29,719	1977	11	6	13	30	0
29,720	1977	11	6	13	45	0
29,721	1977	11	6	14	0	0
29,722	1977	11	6	14	15	0
29,723	1977	11	6	14	30	0
29,724	1977	11	6	14	45	0
29,725	1977	11	6	15	0	0
29,726	1977	11	6	15	15	0
29,727	1977	11	6	15	30	0
29,728	1977	11	6	15	45	0
29,729	1977	11	6	16	0	0
29,730	1977	11	6	16	15	0
29,731	1977	11	6	16	30	0
29,732	1977	11	6	16	45	0
29,733	1977	11	6	17	0	0
29,734	1977	11	6	17	15	0
29,735	1977	11	6	17	30	0
29,736	1977	11	6	17	45	0
29,737	1977	11	6	18	0	0
29,738	1977	11	6	18	15	0
29,739	1977	11	6	18	30	0
29,740	1977	11	6	18	45	0
29,741	1977	11	6	19	0	0
29,742	1977	11	6	19	15	0
29,743	1977	11	6	19	30	0
29,744	1977	11	6	19	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
29,745	1977	11	6	20	0	0
29,746	1977	11	6	20	15	0
29,747	1977	11	6	20	30	0
29,748	1977	11	6	20	45	0
29,749	1977	11	6	21	0	0
29,750	1977	11	6	21	15	0
29,751	1977	11	6	21	30	0
29,752	1977	11	6	21	45	0
29,753	1977	11	6	22	0	0
29,754	1977	11	6	22	15	0
29,755	1977	11	6	22	30	0
29,756	1977	11	6	22	45	0
29,757	1977	11	6	23	0	0
29,758	1977	11	6	23	15	0
29,759	1977	11	6	23	30	0
29,760	1977	11	6	23	45	0
29,761	1977	11	7	0	0	0
29,762	1977	11	7	0	15	0
29,763	1977	11	7	0	30	0
29,764	1977	11	7	0	45	0
29,765	1977	11	7	1	0	0.0225
29,766	1977	11	7	1	15	0.0225
29,767	1977	11	7	1	30	0.0225
29,768	1977	11	7	1	45	0.0225
29,769	1977	11	7	2	0	0.01
29,770	1977	11	7	2	15	0.01
29,771	1977	11	7	2	30	0.01
29,772	1977	11	7	2	45	0.01
29,773	1977	11	7	3	0	0.01
29,774	1977	11	7	3	15	0.01
29,775	1977	11	7	3	30	0.01
29,776	1977	11	7	3	45	0.01
29,777	1977	11	7	4	0	0.0375
29,778	1977	11	7	4	15	0.0375
29,779	1977	11	7	4	30	0.0375
29,780	1977	11	7	4	45	0.0375
29,781	1977	11	7	5	0	0.085
29,782	1977	11	7	5	15	0.085
29,783	1977	11	7	5	30	0.085
29,784	1977	11	7	5	45	0.085
29,785	1977	11	7	6	0	0.02
29,786	1977	11	7	6	15	0.02
29,787	1977	11	7	6	30	0.02
29,788	1977	11	7	6	45	0.02
29,789	1977	11	7	7	0	0.0025
29,790	1977	11	7	7	15	0.0025
29,791	1977	11	7	7	30	0.0025
29,792	1977	11	7	7	45	0.0025
29,793	1977	11	7	8	0	0
29,794	1977	11	7	8	15	0
29,795	1977	11	7	8	30	0
29,796	1977	11	7	8	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
29,797	1977	11	7	9	0	0
29,798	1977	11	7	9	15	0
29,799	1977	11	7	9	30	0
29,800	1977	11	7	9	45	0
29,801	1977	11	7	10	0	0
29,802	1977	11	7	10	15	0
29,803	1977	11	7	10	30	0
29,804	1977	11	7	10	45	0
29,805	1977	11	7	11	0	0
29,806	1977	11	7	11	15	0
29,807	1977	11	7	11	30	0
29,808	1977	11	7	11	45	0
29,809	1977	11	7	12	0	0
29,810	1977	11	7	12	15	0
29,811	1977	11	7	12	30	0
29,812	1977	11	7	12	45	0
29,813	1977	11	7	13	0	0
29,814	1977	11	7	13	15	0
29,815	1977	11	7	13	30	0
29,816	1977	11	7	13	45	0
29,817	1977	11	7	14	0	0
29,818	1977	11	7	14	15	0
29,819	1977	11	7	14	30	0
29,820	1977	11	7	14	45	0
29,821	1977	11	7	15	0	0
29,822	1977	11	7	15	15	0
29,823	1977	11	7	15	30	0
29,824	1977	11	7	15	45	0
29,825	1977	11	7	16	0	0
29,826	1977	11	7	16	15	0
29,827	1977	11	7	16	30	0
29,828	1977	11	7	16	45	0
29,829	1977	11	7	17	0	0
29,830	1977	11	7	17	15	0
29,831	1977	11	7	17	30	0
29,832	1977	11	7	17	45	0
29,833	1977	11	7	18	0	0
29,834	1977	11	7	18	15	0
29,835	1977	11	7	18	30	0
29,836	1977	11	7	18	45	0
29,837	1977	11	7	19	0	0
29,838	1977	11	7	19	15	0
29,839	1977	11	7	19	30	0
29,840	1977	11	7	19	45	0
29,841	1977	11	7	20	0	0
29,842	1977	11	7	20	15	0
29,843	1977	11	7	20	30	0
29,844	1977	11	7	20	45	0
29,845	1977	11	7	21	0	0.0025
29,846	1977	11	7	21	15	0.0025
29,847	1977	11	7	21	30	0.0025
29,848	1977	11	7	21	45	0.0025

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
29,849	1977	11	7	22	0	0
29,850	1977	11	7	22	15	0
29,851	1977	11	7	22	30	0
29,852	1977	11	7	22	45	0
29,853	1977	11	7	23	0	0
29,854	1977	11	7	23	15	0
29,855	1977	11	7	23	30	0
29,856	1977	11	7	23	45	0
29,857	1977	11	8	0	0	0
29,858	1977	11	8	0	15	0
29,859	1977	11	8	0	30	0
29,860	1977	11	8	0	45	0
29,861	1977	11	8	1	0	0
29,862	1977	11	8	1	15	0
29,863	1977	11	8	1	30	0
29,864	1977	11	8	1	45	0
29,865	1977	11	8	2	0	0
29,866	1977	11	8	2	15	0
29,867	1977	11	8	2	30	0
29,868	1977	11	8	2	45	0
29,869	1977	11	8	3	0	0
29,870	1977	11	8	3	15	0
29,871	1977	11	8	3	30	0
29,872	1977	11	8	3	45	0
29,873	1977	11	8	4	0	0
29,874	1977	11	8	4	15	0
29,875	1977	11	8	4	30	0
29,876	1977	11	8	4	45	0
29,877	1977	11	8	5	0	0
29,878	1977	11	8	5	15	0
29,879	1977	11	8	5	30	0
29,880	1977	11	8	5	45	0
29,881	1977	11	8	6	0	0
29,882	1977	11	8	6	15	0
29,883	1977	11	8	6	30	0
29,884	1977	11	8	6	45	0
29,885	1977	11	8	7	0	0
29,886	1977	11	8	7	15	0
29,887	1977	11	8	7	30	0
29,888	1977	11	8	7	45	0
29,889	1977	11	8	8	0	0
29,890	1977	11	8	8	15	0
29,891	1977	11	8	8	30	0
29,892	1977	11	8	8	45	0
29,893	1977	11	8	9	0	0
29,894	1977	11	8	9	15	0
29,895	1977	11	8	9	30	0
29,896	1977	11	8	9	45	0
29,897	1977	11	8	10	0	0
29,898	1977	11	8	10	15	0
29,899	1977	11	8	10	30	0
29,900	1977	11	8	10	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
29,901	1977	11	8	11	0	0
29,902	1977	11	8	11	15	0
29,903	1977	11	8	11	30	0
29,904	1977	11	8	11	45	0
29,905	1977	11	8	12	0	0
29,906	1977	11	8	12	15	0
29,907	1977	11	8	12	30	0
29,908	1977	11	8	12	45	0
29,909	1977	11	8	13	0	0
29,910	1977	11	8	13	15	0
29,911	1977	11	8	13	30	0
29,912	1977	11	8	13	45	0
29,913	1977	11	8	14	0	0
29,914	1977	11	8	14	15	0
29,915	1977	11	8	14	30	0
29,916	1977	11	8	14	45	0
29,917	1977	11	8	15	0	0
29,918	1977	11	8	15	15	0
29,919	1977	11	8	15	30	0
29,920	1977	11	8	15	45	0
29,921	1977	11	8	16	0	0
29,922	1977	11	8	16	15	0
29,923	1977	11	8	16	30	0
29,924	1977	11	8	16	45	0
29,925	1977	11	8	17	0	0.005
29,926	1977	11	8	17	15	0.005
29,927	1977	11	8	17	30	0.005
29,928	1977	11	8	17	45	0.005
29,929	1977	11	8	18	0	0
29,930	1977	11	8	18	15	0
29,931	1977	11	8	18	30	0
29,932	1977	11	8	18	45	0
29,933	1977	11	8	19	0	0
29,934	1977	11	8	19	15	0
29,935	1977	11	8	19	30	0
29,936	1977	11	8	19	45	0
29,937	1977	11	8	20	0	0
29,938	1977	11	8	20	15	0
29,939	1977	11	8	20	30	0
29,940	1977	11	8	20	45	0
29,941	1977	11	8	21	0	0
29,942	1977	11	8	21	15	0
29,943	1977	11	8	21	30	0
29,944	1977	11	8	21	45	0
29,945	1977	11	8	22	0	0
29,946	1977	11	8	22	15	0
29,947	1977	11	8	22	30	0
29,948	1977	11	8	22	45	0
29,949	1977	11	8	23	0	0
29,950	1977	11	8	23	15	0
29,951	1977	11	8	23	30	0
29,952	1977	11	8	23	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
29,953	1977	11	9	0	0	0
29,954	1977	11	9	0	15	0
29,955	1977	11	9	0	30	0
29,956	1977	11	9	0	45	0
29,957	1977	11	9	1	0	0
29,958	1977	11	9	1	15	0
29,959	1977	11	9	1	30	0
29,960	1977	11	9	1	45	0
29,961	1977	11	9	2	0	0
29,962	1977	11	9	2	15	0
29,963	1977	11	9	2	30	0
29,964	1977	11	9	2	45	0
29,965	1977	11	9	3	0	0
29,966	1977	11	9	3	15	0
29,967	1977	11	9	3	30	0
29,968	1977	11	9	3	45	0
29,969	1977	11	9	4	0	0
29,970	1977	11	9	4	15	0
29,971	1977	11	9	4	30	0
29,972	1977	11	9	4	45	0
29,973	1977	11	9	5	0	0
29,974	1977	11	9	5	15	0
29,975	1977	11	9	5	30	0
29,976	1977	11	9	5	45	0
29,977	1977	11	9	6	0	0
29,978	1977	11	9	6	15	0
29,979	1977	11	9	6	30	0
29,980	1977	11	9	6	45	0
29,981	1977	11	9	7	0	0
29,982	1977	11	9	7	15	0
29,983	1977	11	9	7	30	0
29,984	1977	11	9	7	45	0
29,985	1977	11	9	8	0	0
29,986	1977	11	9	8	15	0
29,987	1977	11	9	8	30	0
29,988	1977	11	9	8	45	0
29,989	1977	11	9	9	0	0
29,990	1977	11	9	9	15	0
29,991	1977	11	9	9	30	0
29,992	1977	11	9	9	45	0
29,993	1977	11	9	10	0	0
29,994	1977	11	9	10	15	0
29,995	1977	11	9	10	30	0
29,996	1977	11	9	10	45	0
29,997	1977	11	9	11	0	0
29,998	1977	11	9	11	15	0
29,999	1977	11	9	11	30	0
30,000	1977	11	9	11	45	0
30,001	1977	11	9	12	0	0
30,002	1977	11	9	12	15	0
30,003	1977	11	9	12	30	0
30,004	1977	11	9	12	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
30,005	1977	11	9	13	0	0
30,006	1977	11	9	13	15	0
30,007	1977	11	9	13	30	0
30,008	1977	11	9	13	45	0
30,009	1977	11	9	14	0	0
30,010	1977	11	9	14	15	0
30,011	1977	11	9	14	30	0
30,012	1977	11	9	14	45	0
30,013	1977	11	9	15	0	0
30,014	1977	11	9	15	15	0
30,015	1977	11	9	15	30	0
30,016	1977	11	9	15	45	0
30,017	1977	11	9	16	0	0
30,018	1977	11	9	16	15	0
30,019	1977	11	9	16	30	0
30,020	1977	11	9	16	45	0
30,021	1977	11	9	17	0	0
30,022	1977	11	9	17	15	0
30,023	1977	11	9	17	30	0
30,024	1977	11	9	17	45	0
30,025	1977	11	9	18	0	0
30,026	1977	11	9	18	15	0
30,027	1977	11	9	18	30	0
30,028	1977	11	9	18	45	0
30,029	1977	11	9	19	0	0
30,030	1977	11	9	19	15	0
30,031	1977	11	9	19	30	0
30,032	1977	11	9	19	45	0
30,033	1977	11	9	20	0	0
30,034	1977	11	9	20	15	0
30,035	1977	11	9	20	30	0
30,036	1977	11	9	20	45	0
30,037	1977	11	9	21	0	0
30,038	1977	11	9	21	15	0
30,039	1977	11	9	21	30	0
30,040	1977	11	9	21	45	0
30,041	1977	11	9	22	0	0
30,042	1977	11	9	22	15	0
30,043	1977	11	9	22	30	0
30,044	1977	11	9	22	45	0
30,045	1977	11	9	23	0	0
30,046	1977	11	9	23	15	0
30,047	1977	11	9	23	30	0
30,048	1977	11	9	23	45	0
30,049	1977	11	10	0	0	0
30,050	1977	11	10	0	15	0
30,051	1977	11	10	0	30	0
30,052	1977	11	10	0	45	0
30,053	1977	11	10	1	0	0
30,054	1977	11	10	1	15	0
30,055	1977	11	10	1	30	0
30,056	1977	11	10	1	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
30,057	1977	11	10	2	0	0
30,058	1977	11	10	2	15	0
30,059	1977	11	10	2	30	0
30,060	1977	11	10	2	45	0
30,061	1977	11	10	3	0	0.0025
30,062	1977	11	10	3	15	0.0025
30,063	1977	11	10	3	30	0.0025
30,064	1977	11	10	3	45	0.0025
30,065	1977	11	10	4	0	0
30,066	1977	11	10	4	15	0
30,067	1977	11	10	4	30	0
30,068	1977	11	10	4	45	0
30,069	1977	11	10	5	0	0.015
30,070	1977	11	10	5	15	0.015
30,071	1977	11	10	5	30	0.015
30,072	1977	11	10	5	45	0.015
30,073	1977	11	10	6	0	0.025
30,074	1977	11	10	6	15	0.025
30,075	1977	11	10	6	30	0.025
30,076	1977	11	10	6	45	0.025
30,077	1977	11	10	7	0	0.02
30,078	1977	11	10	7	15	0.02
30,079	1977	11	10	7	30	0.02
30,080	1977	11	10	7	45	0.02
30,081	1977	11	10	8	0	0.005
30,082	1977	11	10	8	15	0.005
30,083	1977	11	10	8	30	0.005
30,084	1977	11	10	8	45	0.005
30,085	1977	11	10	9	0	0.025
30,086	1977	11	10	9	15	0.025
30,087	1977	11	10	9	30	0.025
30,088	1977	11	10	9	45	0.025
30,089	1977	11	10	10	0	0.0225
30,090	1977	11	10	10	15	0.0225
30,091	1977	11	10	10	30	0.0225
30,092	1977	11	10	10	45	0.0225
30,093	1977	11	10	11	0	0
30,094	1977	11	10	11	15	0
30,095	1977	11	10	11	30	0
30,096	1977	11	10	11	45	0
30,097	1977	11	10	12	0	0
30,098	1977	11	10	12	15	0
30,099	1977	11	10	12	30	0
30,100	1977	11	10	12	45	0
30,101	1977	11	10	13	0	0
30,102	1977	11	10	13	15	0
30,103	1977	11	10	13	30	0
30,104	1977	11	10	13	45	0
30,105	1977	11	10	14	0	0
30,106	1977	11	10	14	15	0
30,107	1977	11	10	14	30	0
30,108	1977	11	10	14	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
30,109	1977	11	10	15	0	0
30,110	1977	11	10	15	15	0
30,111	1977	11	10	15	30	0
30,112	1977	11	10	15	45	0
30,113	1977	11	10	16	0	0
30,114	1977	11	10	16	15	0
30,115	1977	11	10	16	30	0
30,116	1977	11	10	16	45	0
30,117	1977	11	10	17	0	0
30,118	1977	11	10	17	15	0
30,119	1977	11	10	17	30	0
30,120	1977	11	10	17	45	0
30,121	1977	11	10	18	0	0
30,122	1977	11	10	18	15	0
30,123	1977	11	10	18	30	0
30,124	1977	11	10	18	45	0
30,125	1977	11	10	19	0	0
30,126	1977	11	10	19	15	0
30,127	1977	11	10	19	30	0
30,128	1977	11	10	19	45	0
30,129	1977	11	10	20	0	0
30,130	1977	11	10	20	15	0
30,131	1977	11	10	20	30	0
30,132	1977	11	10	20	45	0
30,133	1977	11	10	21	0	0
30,134	1977	11	10	21	15	0
30,135	1977	11	10	21	30	0
30,136	1977	11	10	21	45	0
30,137	1977	11	10	22	0	0
30,138	1977	11	10	22	15	0
30,139	1977	11	10	22	30	0
30,140	1977	11	10	22	45	0
30,141	1977	11	10	23	0	0
30,142	1977	11	10	23	15	0
30,143	1977	11	10	23	30	0
30,144	1977	11	10	23	45	0
30,145	1977	11	11	0	0	0
30,146	1977	11	11	0	15	0
30,147	1977	11	11	0	30	0
30,148	1977	11	11	0	45	0
30,149	1977	11	11	1	0	0
30,150	1977	11	11	1	15	0
30,151	1977	11	11	1	30	0
30,152	1977	11	11	1	45	0
30,153	1977	11	11	2	0	0
30,154	1977	11	11	2	15	0
30,155	1977	11	11	2	30	0
30,156	1977	11	11	2	45	0
30,157	1977	11	11	3	0	0
30,158	1977	11	11	3	15	0
30,159	1977	11	11	3	30	0
30,160	1977	11	11	3	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
30,161	1977	11	11	4	0	0
30,162	1977	11	11	4	15	0
30,163	1977	11	11	4	30	0
30,164	1977	11	11	4	45	0
30,165	1977	11	11	5	0	0
30,166	1977	11	11	5	15	0
30,167	1977	11	11	5	30	0
30,168	1977	11	11	5	45	0
30,169	1977	11	11	6	0	0.0025
30,170	1977	11	11	6	15	0.0025
30,171	1977	11	11	6	30	0.0025
30,172	1977	11	11	6	45	0.0025
30,173	1977	11	11	7	0	0
30,174	1977	11	11	7	15	0
30,175	1977	11	11	7	30	0
30,176	1977	11	11	7	45	0
30,177	1977	11	11	8	0	0
30,178	1977	11	11	8	15	0
30,179	1977	11	11	8	30	0
30,180	1977	11	11	8	45	0
30,181	1977	11	11	9	0	0.0025
30,182	1977	11	11	9	15	0.0025
30,183	1977	11	11	9	30	0.0025
30,184	1977	11	11	9	45	0.0025
30,185	1977	11	11	10	0	0
30,186	1977	11	11	10	15	0
30,187	1977	11	11	10	30	0
30,188	1977	11	11	10	45	0
30,189	1977	11	11	11	0	0
30,190	1977	11	11	11	15	0
30,191	1977	11	11	11	30	0
30,192	1977	11	11	11	45	0
30,193	1977	11	11	12	0	0
30,194	1977	11	11	12	15	0
30,195	1977	11	11	12	30	0
30,196	1977	11	11	12	45	0
30,197	1977	11	11	13	0	0
30,198	1977	11	11	13	15	0
30,199	1977	11	11	13	30	0
30,200	1977	11	11	13	45	0
30,201	1977	11	11	14	0	0
30,202	1977	11	11	14	15	0
30,203	1977	11	11	14	30	0
30,204	1977	11	11	14	45	0
30,205	1977	11	11	15	0	0.0025
30,206	1977	11	11	15	15	0.0025
30,207	1977	11	11	15	30	0.0025
30,208	1977	11	11	15	45	0.0025
30,209	1977	11	11	16	0	0
30,210	1977	11	11	16	15	0
30,211	1977	11	11	16	30	0
30,212	1977	11	11	16	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
30,213	1977	11	11	17	0	0
30,214	1977	11	11	17	15	0
30,215	1977	11	11	17	30	0
30,216	1977	11	11	17	45	0
30,217	1977	11	11	18	0	0
30,218	1977	11	11	18	15	0
30,219	1977	11	11	18	30	0
30,220	1977	11	11	18	45	0
30,221	1977	11	11	19	0	0
30,222	1977	11	11	19	15	0
30,223	1977	11	11	19	30	0
30,224	1977	11	11	19	45	0
30,225	1977	11	11	20	0	0
30,226	1977	11	11	20	15	0
30,227	1977	11	11	20	30	0
30,228	1977	11	11	20	45	0
30,229	1977	11	11	21	0	0
30,230	1977	11	11	21	15	0
30,231	1977	11	11	21	30	0
30,232	1977	11	11	21	45	0
30,233	1977	11	11	22	0	0.0375
30,234	1977	11	11	22	15	0.0375
30,235	1977	11	11	22	30	0.0375
30,236	1977	11	11	22	45	0.0375
30,237	1977	11	11	23	0	0.005
30,238	1977	11	11	23	15	0.005
30,239	1977	11	11	23	30	0.005
30,240	1977	11	11	23	45	0.005
30,241	1977	11	12	0	0	0.01
30,242	1977	11	12	0	15	0.01
30,243	1977	11	12	0	30	0.01
30,244	1977	11	12	0	45	0.01
30,245	1977	11	12	1	0	0
30,246	1977	11	12	1	15	0
30,247	1977	11	12	1	30	0
30,248	1977	11	12	1	45	0
30,249	1977	11	12	2	0	0
30,250	1977	11	12	2	15	0
30,251	1977	11	12	2	30	0
30,252	1977	11	12	2	45	0
30,253	1977	11	12	3	0	0
30,254	1977	11	12	3	15	0
30,255	1977	11	12	3	30	0
30,256	1977	11	12	3	45	0
30,257	1977	11	12	4	0	0
30,258	1977	11	12	4	15	0
30,259	1977	11	12	4	30	0
30,260	1977	11	12	4	45	0
30,261	1977	11	12	5	0	0
30,262	1977	11	12	5	15	0
30,263	1977	11	12	5	30	0
30,264	1977	11	12	5	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
30,265	1977	11	12	6	0	0
30,266	1977	11	12	6	15	0
30,267	1977	11	12	6	30	0
30,268	1977	11	12	6	45	0
30,269	1977	11	12	7	0	0
30,270	1977	11	12	7	15	0
30,271	1977	11	12	7	30	0
30,272	1977	11	12	7	45	0
30,273	1977	11	12	8	0	0
30,274	1977	11	12	8	15	0
30,275	1977	11	12	8	30	0
30,276	1977	11	12	8	45	0
30,277	1977	11	12	9	0	0
30,278	1977	11	12	9	15	0
30,279	1977	11	12	9	30	0
30,280	1977	11	12	9	45	0
30,281	1977	11	12	10	0	0.0025
30,282	1977	11	12	10	15	0.0025
30,283	1977	11	12	10	30	0.0025
30,284	1977	11	12	10	45	0.0025
30,285	1977	11	12	11	0	0
30,286	1977	11	12	11	15	0
30,287	1977	11	12	11	30	0
30,288	1977	11	12	11	45	0
30,289	1977	11	12	12	0	0
30,290	1977	11	12	12	15	0
30,291	1977	11	12	12	30	0
30,292	1977	11	12	12	45	0
30,293	1977	11	12	13	0	0
30,294	1977	11	12	13	15	0
30,295	1977	11	12	13	30	0
30,296	1977	11	12	13	45	0
30,297	1977	11	12	14	0	0
30,298	1977	11	12	14	15	0
30,299	1977	11	12	14	30	0
30,300	1977	11	12	14	45	0
30,301	1977	11	12	15	0	0
30,302	1977	11	12	15	15	0
30,303	1977	11	12	15	30	0
30,304	1977	11	12	15	45	0
30,305	1977	11	12	16	0	0.005
30,306	1977	11	12	16	15	0.005
30,307	1977	11	12	16	30	0.005
30,308	1977	11	12	16	45	0.005
30,309	1977	11	12	17	0	0.0075
30,310	1977	11	12	17	15	0.0075
30,311	1977	11	12	17	30	0.0075
30,312	1977	11	12	17	45	0.0075
30,313	1977	11	12	18	0	0.0075
30,314	1977	11	12	18	15	0.0075
30,315	1977	11	12	18	30	0.0075
30,316	1977	11	12	18	45	0.0075

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
30,317	1977	11	12	19	0	0.0025
30,318	1977	11	12	19	15	0.0025
30,319	1977	11	12	19	30	0.0025
30,320	1977	11	12	19	45	0.0025
30,321	1977	11	12	20	0	0
30,322	1977	11	12	20	15	0
30,323	1977	11	12	20	30	0
30,324	1977	11	12	20	45	0
30,325	1977	11	12	21	0	0
30,326	1977	11	12	21	15	0
30,327	1977	11	12	21	30	0
30,328	1977	11	12	21	45	0
30,329	1977	11	12	22	0	0
30,330	1977	11	12	22	15	0
30,331	1977	11	12	22	30	0
30,332	1977	11	12	22	45	0
30,333	1977	11	12	23	0	0
30,334	1977	11	12	23	15	0
30,335	1977	11	12	23	30	0
30,336	1977	11	12	23	45	0
30,337	1977	11	13	0	0	0
30,338	1977	11	13	0	15	0
30,339	1977	11	13	0	30	0
30,340	1977	11	13	0	45	0
30,341	1977	11	13	1	0	0
30,342	1977	11	13	1	15	0
30,343	1977	11	13	1	30	0
30,344	1977	11	13	1	45	0
30,345	1977	11	13	2	0	0
30,346	1977	11	13	2	15	0
30,347	1977	11	13	2	30	0
30,348	1977	11	13	2	45	0
30,349	1977	11	13	3	0	0
30,350	1977	11	13	3	15	0
30,351	1977	11	13	3	30	0
30,352	1977	11	13	3	45	0
30,353	1977	11	13	4	0	0
30,354	1977	11	13	4	15	0
30,355	1977	11	13	4	30	0
30,356	1977	11	13	4	45	0
30,357	1977	11	13	5	0	0
30,358	1977	11	13	5	15	0
30,359	1977	11	13	5	30	0
30,360	1977	11	13	5	45	0
30,361	1977	11	13	6	0	0
30,362	1977	11	13	6	15	0
30,363	1977	11	13	6	30	0
30,364	1977	11	13	6	45	0
30,365	1977	11	13	7	0	0
30,366	1977	11	13	7	15	0
30,367	1977	11	13	7	30	0
30,368	1977	11	13	7	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
30,369	1977	11	13	8	0	0
30,370	1977	11	13	8	15	0
30,371	1977	11	13	8	30	0
30,372	1977	11	13	8	45	0
30,373	1977	11	13	9	0	0
30,374	1977	11	13	9	15	0
30,375	1977	11	13	9	30	0
30,376	1977	11	13	9	45	0
30,377	1977	11	13	10	0	0
30,378	1977	11	13	10	15	0
30,379	1977	11	13	10	30	0
30,380	1977	11	13	10	45	0
30,381	1977	11	13	11	0	0
30,382	1977	11	13	11	15	0
30,383	1977	11	13	11	30	0
30,384	1977	11	13	11	45	0
30,385	1977	11	13	12	0	0
30,386	1977	11	13	12	15	0
30,387	1977	11	13	12	30	0
30,388	1977	11	13	12	45	0
30,389	1977	11	13	13	0	0
30,390	1977	11	13	13	15	0
30,391	1977	11	13	13	30	0
30,392	1977	11	13	13	45	0
30,393	1977	11	13	14	0	0
30,394	1977	11	13	14	15	0
30,395	1977	11	13	14	30	0
30,396	1977	11	13	14	45	0
30,397	1977	11	13	15	0	0
30,398	1977	11	13	15	15	0
30,399	1977	11	13	15	30	0
30,400	1977	11	13	15	45	0
30,401	1977	11	13	16	0	0
30,402	1977	11	13	16	15	0
30,403	1977	11	13	16	30	0
30,404	1977	11	13	16	45	0
30,405	1977	11	13	17	0	0
30,406	1977	11	13	17	15	0
30,407	1977	11	13	17	30	0
30,408	1977	11	13	17	45	0
30,409	1977	11	13	18	0	0
30,410	1977	11	13	18	15	0
30,411	1977	11	13	18	30	0
30,412	1977	11	13	18	45	0
30,413	1977	11	13	19	0	0
30,414	1977	11	13	19	15	0
30,415	1977	11	13	19	30	0
30,416	1977	11	13	19	45	0
30,417	1977	11	13	20	0	0
30,418	1977	11	13	20	15	0
30,419	1977	11	13	20	30	0
30,420	1977	11	13	20	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
30,421	1977	11	13	21	0	0
30,422	1977	11	13	21	15	0
30,423	1977	11	13	21	30	0
30,424	1977	11	13	21	45	0
30,425	1977	11	13	22	0	0
30,426	1977	11	13	22	15	0
30,427	1977	11	13	22	30	0
30,428	1977	11	13	22	45	0
30,429	1977	11	13	23	0	0
30,430	1977	11	13	23	15	0
30,431	1977	11	13	23	30	0
30,432	1977	11	13	23	45	0
30,433	1977	11	14	0	0	0
30,434	1977	11	14	0	15	0
30,435	1977	11	14	0	30	0
30,436	1977	11	14	0	45	0
30,437	1977	11	14	1	0	0
30,438	1977	11	14	1	15	0
30,439	1977	11	14	1	30	0
30,440	1977	11	14	1	45	0
30,441	1977	11	14	2	0	0
30,442	1977	11	14	2	15	0
30,443	1977	11	14	2	30	0
30,444	1977	11	14	2	45	0
30,445	1977	11	14	3	0	0
30,446	1977	11	14	3	15	0
30,447	1977	11	14	3	30	0
30,448	1977	11	14	3	45	0
30,449	1977	11	14	4	0	0
30,450	1977	11	14	4	15	0
30,451	1977	11	14	4	30	0
30,452	1977	11	14	4	45	0
30,453	1977	11	14	5	0	0
30,454	1977	11	14	5	15	0
30,455	1977	11	14	5	30	0
30,456	1977	11	14	5	45	0
30,457	1977	11	14	6	0	0
30,458	1977	11	14	6	15	0
30,459	1977	11	14	6	30	0
30,460	1977	11	14	6	45	0
30,461	1977	11	14	7	0	0
30,462	1977	11	14	7	15	0
30,463	1977	11	14	7	30	0
30,464	1977	11	14	7	45	0
30,465	1977	11	14	8	0	0
30,466	1977	11	14	8	15	0
30,467	1977	11	14	8	30	0
30,468	1977	11	14	8	45	0
30,469	1977	11	14	9	0	0
30,470	1977	11	14	9	15	0
30,471	1977	11	14	9	30	0
30,472	1977	11	14	9	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
30,473	1977	11	14	10	0	0
30,474	1977	11	14	10	15	0
30,475	1977	11	14	10	30	0
30,476	1977	11	14	10	45	0
30,477	1977	11	14	11	0	0
30,478	1977	11	14	11	15	0
30,479	1977	11	14	11	30	0
30,480	1977	11	14	11	45	0
30,481	1977	11	14	12	0	0
30,482	1977	11	14	12	15	0
30,483	1977	11	14	12	30	0
30,484	1977	11	14	12	45	0
30,485	1977	11	14	13	0	0
30,486	1977	11	14	13	15	0
30,487	1977	11	14	13	30	0
30,488	1977	11	14	13	45	0
30,489	1977	11	14	14	0	0
30,490	1977	11	14	14	15	0
30,491	1977	11	14	14	30	0
30,492	1977	11	14	14	45	0
30,493	1977	11	14	15	0	0
30,494	1977	11	14	15	15	0
30,495	1977	11	14	15	30	0
30,496	1977	11	14	15	45	0
30,497	1977	11	14	16	0	0
30,498	1977	11	14	16	15	0
30,499	1977	11	14	16	30	0
30,500	1977	11	14	16	45	0
30,501	1977	11	14	17	0	0
30,502	1977	11	14	17	15	0
30,503	1977	11	14	17	30	0
30,504	1977	11	14	17	45	0
30,505	1977	11	14	18	0	0
30,506	1977	11	14	18	15	0
30,507	1977	11	14	18	30	0
30,508	1977	11	14	18	45	0
30,509	1977	11	14	19	0	0
30,510	1977	11	14	19	15	0
30,511	1977	11	14	19	30	0
30,512	1977	11	14	19	45	0
30,513	1977	11	14	20	0	0
30,514	1977	11	14	20	15	0
30,515	1977	11	14	20	30	0
30,516	1977	11	14	20	45	0
30,517	1977	11	14	21	0	0
30,518	1977	11	14	21	15	0
30,519	1977	11	14	21	30	0
30,520	1977	11	14	21	45	0
30,521	1977	11	14	22	0	0
30,522	1977	11	14	22	15	0
30,523	1977	11	14	22	30	0
30,524	1977	11	14	22	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
30,525	1977	11	14	23	0	0
30,526	1977	11	14	23	15	0
30,527	1977	11	14	23	30	0
30,528	1977	11	14	23	45	0
30,529	1977	11	15	0	0	0
30,530	1977	11	15	0	15	0
30,531	1977	11	15	0	30	0
30,532	1977	11	15	0	45	0
30,533	1977	11	15	1	0	0
30,534	1977	11	15	1	15	0
30,535	1977	11	15	1	30	0
30,536	1977	11	15	1	45	0
30,537	1977	11	15	2	0	0
30,538	1977	11	15	2	15	0
30,539	1977	11	15	2	30	0
30,540	1977	11	15	2	45	0
30,541	1977	11	15	3	0	0
30,542	1977	11	15	3	15	0
30,543	1977	11	15	3	30	0
30,544	1977	11	15	3	45	0
30,545	1977	11	15	4	0	0
30,546	1977	11	15	4	15	0
30,547	1977	11	15	4	30	0
30,548	1977	11	15	4	45	0
30,549	1977	11	15	5	0	0
30,550	1977	11	15	5	15	0
30,551	1977	11	15	5	30	0
30,552	1977	11	15	5	45	0
30,553	1977	11	15	6	0	0
30,554	1977	11	15	6	15	0
30,555	1977	11	15	6	30	0
30,556	1977	11	15	6	45	0
30,557	1977	11	15	7	0	0
30,558	1977	11	15	7	15	0
30,559	1977	11	15	7	30	0
30,560	1977	11	15	7	45	0
30,561	1977	11	15	8	0	0
30,562	1977	11	15	8	15	0
30,563	1977	11	15	8	30	0
30,564	1977	11	15	8	45	0
30,565	1977	11	15	9	0	0
30,566	1977	11	15	9	15	0
30,567	1977	11	15	9	30	0
30,568	1977	11	15	9	45	0
30,569	1977	11	15	10	0	0
30,570	1977	11	15	10	15	0
30,571	1977	11	15	10	30	0
30,572	1977	11	15	10	45	0
30,573	1977	11	15	11	0	0
30,574	1977	11	15	11	15	0
30,575	1977	11	15	11	30	0
30,576	1977	11	15	11	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
30,577	1977	11	15	12	0	0
30,578	1977	11	15	12	15	0
30,579	1977	11	15	12	30	0
30,580	1977	11	15	12	45	0
30,581	1977	11	15	13	0	0
30,582	1977	11	15	13	15	0
30,583	1977	11	15	13	30	0
30,584	1977	11	15	13	45	0
30,585	1977	11	15	14	0	0.0125
30,586	1977	11	15	14	15	0.0125
30,587	1977	11	15	14	30	0.0125
30,588	1977	11	15	14	45	0.0125
30,589	1977	11	15	15	0	0
30,590	1977	11	15	15	15	0
30,591	1977	11	15	15	30	0
30,592	1977	11	15	15	45	0
30,593	1977	11	15	16	0	0
30,594	1977	11	15	16	15	0
30,595	1977	11	15	16	30	0
30,596	1977	11	15	16	45	0
30,597	1977	11	15	17	0	0.0025
30,598	1977	11	15	17	15	0.0025
30,599	1977	11	15	17	30	0.0025
30,600	1977	11	15	17	45	0.0025
30,601	1977	11	15	18	0	0
30,602	1977	11	15	18	15	0
30,603	1977	11	15	18	30	0
30,604	1977	11	15	18	45	0
30,605	1977	11	15	19	0	0
30,606	1977	11	15	19	15	0
30,607	1977	11	15	19	30	0
30,608	1977	11	15	19	45	0
30,609	1977	11	15	20	0	0
30,610	1977	11	15	20	15	0
30,611	1977	11	15	20	30	0
30,612	1977	11	15	20	45	0
30,613	1977	11	15	21	0	0
30,614	1977	11	15	21	15	0
30,615	1977	11	15	21	30	0
30,616	1977	11	15	21	45	0
30,617	1977	11	15	22	0	0
30,618	1977	11	15	22	15	0
30,619	1977	11	15	22	30	0
30,620	1977	11	15	22	45	0
30,621	1977	11	15	23	0	0
30,622	1977	11	15	23	15	0
30,623	1977	11	15	23	30	0
30,624	1977	11	15	23	45	0
30,625	1977	11	16	0	0	0
30,626	1977	11	16	0	15	0
30,627	1977	11	16	0	30	0
30,628	1977	11	16	0	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
30,629	1977	11	16	1	0	0
30,630	1977	11	16	1	15	0
30,631	1977	11	16	1	30	0
30,632	1977	11	16	1	45	0
30,633	1977	11	16	2	0	0
30,634	1977	11	16	2	15	0
30,635	1977	11	16	2	30	0
30,636	1977	11	16	2	45	0
30,637	1977	11	16	3	0	0
30,638	1977	11	16	3	15	0
30,639	1977	11	16	3	30	0
30,640	1977	11	16	3	45	0
30,641	1977	11	16	4	0	0
30,642	1977	11	16	4	15	0
30,643	1977	11	16	4	30	0
30,644	1977	11	16	4	45	0
30,645	1977	11	16	5	0	0
30,646	1977	11	16	5	15	0
30,647	1977	11	16	5	30	0
30,648	1977	11	16	5	45	0
30,649	1977	11	16	6	0	0
30,650	1977	11	16	6	15	0
30,651	1977	11	16	6	30	0
30,652	1977	11	16	6	45	0
30,653	1977	11	16	7	0	0.01
30,654	1977	11	16	7	15	0.01
30,655	1977	11	16	7	30	0.01
30,656	1977	11	16	7	45	0.01
30,657	1977	11	16	8	0	0
30,658	1977	11	16	8	15	0
30,659	1977	11	16	8	30	0
30,660	1977	11	16	8	45	0
30,661	1977	11	16	9	0	0
30,662	1977	11	16	9	15	0
30,663	1977	11	16	9	30	0
30,664	1977	11	16	9	45	0
30,665	1977	11	16	10	0	0
30,666	1977	11	16	10	15	0
30,667	1977	11	16	10	30	0
30,668	1977	11	16	10	45	0
30,669	1977	11	16	11	0	0.0125
30,670	1977	11	16	11	15	0.0125
30,671	1977	11	16	11	30	0.0125
30,672	1977	11	16	11	45	0.0125
30,673	1977	11	16	12	0	0.01
30,674	1977	11	16	12	15	0.01
30,675	1977	11	16	12	30	0.01
30,676	1977	11	16	12	45	0.01
30,677	1977	11	16	13	0	0.005
30,678	1977	11	16	13	15	0.005
30,679	1977	11	16	13	30	0.005
30,680	1977	11	16	13	45	0.005

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
30,681	1977	11	16	14	0	0.005
30,682	1977	11	16	14	15	0.005
30,683	1977	11	16	14	30	0.005
30,684	1977	11	16	14	45	0.005
30,685	1977	11	16	15	0	0.0125
30,686	1977	11	16	15	15	0.0125
30,687	1977	11	16	15	30	0.0125
30,688	1977	11	16	15	45	0.0125
30,689	1977	11	16	16	0	0.0025
30,690	1977	11	16	16	15	0.0025
30,691	1977	11	16	16	30	0.0025
30,692	1977	11	16	16	45	0.0025
30,693	1977	11	16	17	0	0.0025
30,694	1977	11	16	17	15	0.0025
30,695	1977	11	16	17	30	0.0025
30,696	1977	11	16	17	45	0.0025
30,697	1977	11	16	18	0	0.0025
30,698	1977	11	16	18	15	0.0025
30,699	1977	11	16	18	30	0.0025
30,700	1977	11	16	18	45	0.0025
30,701	1977	11	16	19	0	0
30,702	1977	11	16	19	15	0
30,703	1977	11	16	19	30	0
30,704	1977	11	16	19	45	0
30,705	1977	11	16	20	0	0
30,706	1977	11	16	20	15	0
30,707	1977	11	16	20	30	0
30,708	1977	11	16	20	45	0
30,709	1977	11	16	21	0	0.005
30,710	1977	11	16	21	15	0.005
30,711	1977	11	16	21	30	0.005
30,712	1977	11	16	21	45	0.005
30,713	1977	11	16	22	0	0.02
30,714	1977	11	16	22	15	0.02
30,715	1977	11	16	22	30	0.02
30,716	1977	11	16	22	45	0.02
30,717	1977	11	16	23	0	0.0125
30,718	1977	11	16	23	15	0.0125
30,719	1977	11	16	23	30	0.0125
30,720	1977	11	16	23	45	0.0125
30,721	1977	11	17	0	0	0.0175
30,722	1977	11	17	0	15	0.0175
30,723	1977	11	17	0	30	0.0175
30,724	1977	11	17	0	45	0.0175
30,725	1977	11	17	1	0	0.02
30,726	1977	11	17	1	15	0.02
30,727	1977	11	17	1	30	0.02
30,728	1977	11	17	1	45	0.02
30,729	1977	11	17	2	0	0.01
30,730	1977	11	17	2	15	0.01
30,731	1977	11	17	2	30	0.01
30,732	1977	11	17	2	45	0.01

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
30,733	1977	11	17	3	0	0
30,734	1977	11	17	3	15	0
30,735	1977	11	17	3	30	0
30,736	1977	11	17	3	45	0
30,737	1977	11	17	4	0	0
30,738	1977	11	17	4	15	0
30,739	1977	11	17	4	30	0
30,740	1977	11	17	4	45	0
30,741	1977	11	17	5	0	0
30,742	1977	11	17	5	15	0
30,743	1977	11	17	5	30	0
30,744	1977	11	17	5	45	0
30,745	1977	11	17	6	0	0
30,746	1977	11	17	6	15	0
30,747	1977	11	17	6	30	0
30,748	1977	11	17	6	45	0
30,749	1977	11	17	7	0	0
30,750	1977	11	17	7	15	0
30,751	1977	11	17	7	30	0
30,752	1977	11	17	7	45	0
30,753	1977	11	17	8	0	0
30,754	1977	11	17	8	15	0
30,755	1977	11	17	8	30	0
30,756	1977	11	17	8	45	0
30,757	1977	11	17	9	0	0
30,758	1977	11	17	9	15	0
30,759	1977	11	17	9	30	0
30,760	1977	11	17	9	45	0
30,761	1977	11	17	10	0	0.0025
30,762	1977	11	17	10	15	0.0025
30,763	1977	11	17	10	30	0.0025
30,764	1977	11	17	10	45	0.0025
30,765	1977	11	17	11	0	0
30,766	1977	11	17	11	15	0
30,767	1977	11	17	11	30	0
30,768	1977	11	17	11	45	0
30,769	1977	11	17	12	0	0
30,770	1977	11	17	12	15	0
30,771	1977	11	17	12	30	0
30,772	1977	11	17	12	45	0
30,773	1977	11	17	13	0	0.0025
30,774	1977	11	17	13	15	0.0025
30,775	1977	11	17	13	30	0.0025
30,776	1977	11	17	13	45	0.0025
30,777	1977	11	17	14	0	0
30,778	1977	11	17	14	15	0
30,779	1977	11	17	14	30	0
30,780	1977	11	17	14	45	0
30,781	1977	11	17	15	0	0
30,782	1977	11	17	15	15	0
30,783	1977	11	17	15	30	0
30,784	1977	11	17	15	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
30,785	1977	11	17	16	0	0
30,786	1977	11	17	16	15	0
30,787	1977	11	17	16	30	0
30,788	1977	11	17	16	45	0
30,789	1977	11	17	17	0	0
30,790	1977	11	17	17	15	0
30,791	1977	11	17	17	30	0
30,792	1977	11	17	17	45	0
30,793	1977	11	17	18	0	0.0025
30,794	1977	11	17	18	15	0.0025
30,795	1977	11	17	18	30	0.0025
30,796	1977	11	17	18	45	0.0025
30,797	1977	11	17	19	0	0
30,798	1977	11	17	19	15	0
30,799	1977	11	17	19	30	0
30,800	1977	11	17	19	45	0
30,801	1977	11	17	20	0	0
30,802	1977	11	17	20	15	0
30,803	1977	11	17	20	30	0
30,804	1977	11	17	20	45	0
30,805	1977	11	17	21	0	0
30,806	1977	11	17	21	15	0
30,807	1977	11	17	21	30	0
30,808	1977	11	17	21	45	0
30,809	1977	11	17	22	0	0
30,810	1977	11	17	22	15	0
30,811	1977	11	17	22	30	0
30,812	1977	11	17	22	45	0
30,813	1977	11	17	23	0	0
30,814	1977	11	17	23	15	0
30,815	1977	11	17	23	30	0
30,816	1977	11	17	23	45	0
30,817	1977	11	18	0	0	0
30,818	1977	11	18	0	15	0
30,819	1977	11	18	0	30	0
30,820	1977	11	18	0	45	0
30,821	1977	11	18	1	0	0
30,822	1977	11	18	1	15	0
30,823	1977	11	18	1	30	0
30,824	1977	11	18	1	45	0
30,825	1977	11	18	2	0	0
30,826	1977	11	18	2	15	0
30,827	1977	11	18	2	30	0
30,828	1977	11	18	2	45	0
30,829	1977	11	18	3	0	0
30,830	1977	11	18	3	15	0
30,831	1977	11	18	3	30	0
30,832	1977	11	18	3	45	0
30,833	1977	11	18	4	0	0
30,834	1977	11	18	4	15	0
30,835	1977	11	18	4	30	0
30,836	1977	11	18	4	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
30,837	1977	11	18	5	0	0
30,838	1977	11	18	5	15	0
30,839	1977	11	18	5	30	0
30,840	1977	11	18	5	45	0
30,841	1977	11	18	6	0	0
30,842	1977	11	18	6	15	0
30,843	1977	11	18	6	30	0
30,844	1977	11	18	6	45	0
30,845	1977	11	18	7	0	0
30,846	1977	11	18	7	15	0
30,847	1977	11	18	7	30	0
30,848	1977	11	18	7	45	0
30,849	1977	11	18	8	0	0
30,850	1977	11	18	8	15	0
30,851	1977	11	18	8	30	0
30,852	1977	11	18	8	45	0
30,853	1977	11	18	9	0	0
30,854	1977	11	18	9	15	0
30,855	1977	11	18	9	30	0
30,856	1977	11	18	9	45	0
30,857	1977	11	18	10	0	0
30,858	1977	11	18	10	15	0
30,859	1977	11	18	10	30	0
30,860	1977	11	18	10	45	0
30,861	1977	11	18	11	0	0
30,862	1977	11	18	11	15	0
30,863	1977	11	18	11	30	0
30,864	1977	11	18	11	45	0
30,865	1977	11	18	12	0	0
30,866	1977	11	18	12	15	0
30,867	1977	11	18	12	30	0
30,868	1977	11	18	12	45	0
30,869	1977	11	18	13	0	0
30,870	1977	11	18	13	15	0
30,871	1977	11	18	13	30	0
30,872	1977	11	18	13	45	0
30,873	1977	11	18	14	0	0
30,874	1977	11	18	14	15	0
30,875	1977	11	18	14	30	0
30,876	1977	11	18	14	45	0
30,877	1977	11	18	15	0	0
30,878	1977	11	18	15	15	0
30,879	1977	11	18	15	30	0
30,880	1977	11	18	15	45	0
30,881	1977	11	18	16	0	0
30,882	1977	11	18	16	15	0
30,883	1977	11	18	16	30	0
30,884	1977	11	18	16	45	0
30,885	1977	11	18	17	0	0
30,886	1977	11	18	17	15	0
30,887	1977	11	18	17	30	0
30,888	1977	11	18	17	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
30,889	1977	11	18	18	0	0
30,890	1977	11	18	18	15	0
30,891	1977	11	18	18	30	0
30,892	1977	11	18	18	45	0
30,893	1977	11	18	19	0	0
30,894	1977	11	18	19	15	0
30,895	1977	11	18	19	30	0
30,896	1977	11	18	19	45	0
30,897	1977	11	18	20	0	0
30,898	1977	11	18	20	15	0
30,899	1977	11	18	20	30	0
30,900	1977	11	18	20	45	0
30,901	1977	11	18	21	0	0
30,902	1977	11	18	21	15	0
30,903	1977	11	18	21	30	0
30,904	1977	11	18	21	45	0
30,905	1977	11	18	22	0	0
30,906	1977	11	18	22	15	0
30,907	1977	11	18	22	30	0
30,908	1977	11	18	22	45	0
30,909	1977	11	18	23	0	0
30,910	1977	11	18	23	15	0
30,911	1977	11	18	23	30	0
30,912	1977	11	18	23	45	0
30,913	1977	11	19	0	0	0
30,914	1977	11	19	0	15	0
30,915	1977	11	19	0	30	0
30,916	1977	11	19	0	45	0
30,917	1977	11	19	1	0	0
30,918	1977	11	19	1	15	0
30,919	1977	11	19	1	30	0
30,920	1977	11	19	1	45	0
30,921	1977	11	19	2	0	0
30,922	1977	11	19	2	15	0
30,923	1977	11	19	2	30	0
30,924	1977	11	19	2	45	0
30,925	1977	11	19	3	0	0
30,926	1977	11	19	3	15	0
30,927	1977	11	19	3	30	0
30,928	1977	11	19	3	45	0
30,929	1977	11	19	4	0	0
30,930	1977	11	19	4	15	0
30,931	1977	11	19	4	30	0
30,932	1977	11	19	4	45	0
30,933	1977	11	19	5	0	0
30,934	1977	11	19	5	15	0
30,935	1977	11	19	5	30	0
30,936	1977	11	19	5	45	0
30,937	1977	11	19	6	0	0
30,938	1977	11	19	6	15	0
30,939	1977	11	19	6	30	0
30,940	1977	11	19	6	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
30,941	1977	11	19	7	0	0
30,942	1977	11	19	7	15	0
30,943	1977	11	19	7	30	0
30,944	1977	11	19	7	45	0
30,945	1977	11	19	8	0	0
30,946	1977	11	19	8	15	0
30,947	1977	11	19	8	30	0
30,948	1977	11	19	8	45	0
30,949	1977	11	19	9	0	0
30,950	1977	11	19	9	15	0
30,951	1977	11	19	9	30	0
30,952	1977	11	19	9	45	0
30,953	1977	11	19	10	0	0
30,954	1977	11	19	10	15	0
30,955	1977	11	19	10	30	0
30,956	1977	11	19	10	45	0
30,957	1977	11	19	11	0	0
30,958	1977	11	19	11	15	0
30,959	1977	11	19	11	30	0
30,960	1977	11	19	11	45	0
30,961	1977	11	19	12	0	0
30,962	1977	11	19	12	15	0
30,963	1977	11	19	12	30	0
30,964	1977	11	19	12	45	0
30,965	1977	11	19	13	0	0
30,966	1977	11	19	13	15	0
30,967	1977	11	19	13	30	0
30,968	1977	11	19	13	45	0
30,969	1977	11	19	14	0	0
30,970	1977	11	19	14	15	0
30,971	1977	11	19	14	30	0
30,972	1977	11	19	14	45	0
30,973	1977	11	19	15	0	0
30,974	1977	11	19	15	15	0
30,975	1977	11	19	15	30	0
30,976	1977	11	19	15	45	0
30,977	1977	11	19	16	0	0
30,978	1977	11	19	16	15	0
30,979	1977	11	19	16	30	0
30,980	1977	11	19	16	45	0
30,981	1977	11	19	17	0	0
30,982	1977	11	19	17	15	0
30,983	1977	11	19	17	30	0
30,984	1977	11	19	17	45	0
30,985	1977	11	19	18	0	0
30,986	1977	11	19	18	15	0
30,987	1977	11	19	18	30	0
30,988	1977	11	19	18	45	0
30,989	1977	11	19	19	0	0
30,990	1977	11	19	19	15	0
30,991	1977	11	19	19	30	0
30,992	1977	11	19	19	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
30,993	1977	11	19	20	0	0
30,994	1977	11	19	20	15	0
30,995	1977	11	19	20	30	0
30,996	1977	11	19	20	45	0
30,997	1977	11	19	21	0	0
30,998	1977	11	19	21	15	0
30,999	1977	11	19	21	30	0
31,000	1977	11	19	21	45	0
31,001	1977	11	19	22	0	0
31,002	1977	11	19	22	15	0
31,003	1977	11	19	22	30	0
31,004	1977	11	19	22	45	0
31,005	1977	11	19	23	0	0
31,006	1977	11	19	23	15	0
31,007	1977	11	19	23	30	0
31,008	1977	11	19	23	45	0
31,009	1977	11	20	0	0	0
31,010	1977	11	20	0	15	0
31,011	1977	11	20	0	30	0
31,012	1977	11	20	0	45	0
31,013	1977	11	20	1	0	0.005
31,014	1977	11	20	1	15	0.005
31,015	1977	11	20	1	30	0.005
31,016	1977	11	20	1	45	0.005
31,017	1977	11	20	2	0	0.0025
31,018	1977	11	20	2	15	0.0025
31,019	1977	11	20	2	30	0.0025
31,020	1977	11	20	2	45	0.0025
31,021	1977	11	20	3	0	0.0025
31,022	1977	11	20	3	15	0.0025
31,023	1977	11	20	3	30	0.0025
31,024	1977	11	20	3	45	0.0025
31,025	1977	11	20	4	0	0.0025
31,026	1977	11	20	4	15	0.0025
31,027	1977	11	20	4	30	0.0025
31,028	1977	11	20	4	45	0.0025
31,029	1977	11	20	5	0	0
31,030	1977	11	20	5	15	0
31,031	1977	11	20	5	30	0
31,032	1977	11	20	5	45	0
31,033	1977	11	20	6	0	0
31,034	1977	11	20	6	15	0
31,035	1977	11	20	6	30	0
31,036	1977	11	20	6	45	0
31,037	1977	11	20	7	0	0
31,038	1977	11	20	7	15	0
31,039	1977	11	20	7	30	0
31,040	1977	11	20	7	45	0
31,041	1977	11	20	8	0	0
31,042	1977	11	20	8	15	0
31,043	1977	11	20	8	30	0
31,044	1977	11	20	8	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
31,045	1977	11	20	9	0	0
31,046	1977	11	20	9	15	0
31,047	1977	11	20	9	30	0
31,048	1977	11	20	9	45	0
31,049	1977	11	20	10	0	0
31,050	1977	11	20	10	15	0
31,051	1977	11	20	10	30	0
31,052	1977	11	20	10	45	0
31,053	1977	11	20	11	0	0
31,054	1977	11	20	11	15	0
31,055	1977	11	20	11	30	0
31,056	1977	11	20	11	45	0
31,057	1977	11	20	12	0	0
31,058	1977	11	20	12	15	0
31,059	1977	11	20	12	30	0
31,060	1977	11	20	12	45	0
31,061	1977	11	20	13	0	0
31,062	1977	11	20	13	15	0
31,063	1977	11	20	13	30	0
31,064	1977	11	20	13	45	0
31,065	1977	11	20	14	0	0
31,066	1977	11	20	14	15	0
31,067	1977	11	20	14	30	0
31,068	1977	11	20	14	45	0
31,069	1977	11	20	15	0	0
31,070	1977	11	20	15	15	0
31,071	1977	11	20	15	30	0
31,072	1977	11	20	15	45	0
31,073	1977	11	20	16	0	0
31,074	1977	11	20	16	15	0
31,075	1977	11	20	16	30	0
31,076	1977	11	20	16	45	0
31,077	1977	11	20	17	0	0.005
31,078	1977	11	20	17	15	0.005
31,079	1977	11	20	17	30	0.005
31,080	1977	11	20	17	45	0.005
31,081	1977	11	20	18	0	0
31,082	1977	11	20	18	15	0
31,083	1977	11	20	18	30	0
31,084	1977	11	20	18	45	0
31,085	1977	11	20	19	0	0
31,086	1977	11	20	19	15	0
31,087	1977	11	20	19	30	0
31,088	1977	11	20	19	45	0
31,089	1977	11	20	20	0	0
31,090	1977	11	20	20	15	0
31,091	1977	11	20	20	30	0
31,092	1977	11	20	20	45	0
31,093	1977	11	20	21	0	0
31,094	1977	11	20	21	15	0
31,095	1977	11	20	21	30	0
31,096	1977	11	20	21	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
31,097	1977	11	20	22	0	0
31,098	1977	11	20	22	15	0
31,099	1977	11	20	22	30	0
31,100	1977	11	20	22	45	0
31,101	1977	11	20	23	0	0
31,102	1977	11	20	23	15	0
31,103	1977	11	20	23	30	0
31,104	1977	11	20	23	45	0
31,105	1977	11	21	0	0	0
31,106	1977	11	21	0	15	0
31,107	1977	11	21	0	30	0
31,108	1977	11	21	0	45	0
31,109	1977	11	21	1	0	0
31,110	1977	11	21	1	15	0
31,111	1977	11	21	1	30	0
31,112	1977	11	21	1	45	0
31,113	1977	11	21	2	0	0
31,114	1977	11	21	2	15	0
31,115	1977	11	21	2	30	0
31,116	1977	11	21	2	45	0
31,117	1977	11	21	3	0	0
31,118	1977	11	21	3	15	0
31,119	1977	11	21	3	30	0
31,120	1977	11	21	3	45	0
31,121	1977	11	21	4	0	0
31,122	1977	11	21	4	15	0
31,123	1977	11	21	4	30	0
31,124	1977	11	21	4	45	0
31,125	1977	11	21	5	0	0.0025
31,126	1977	11	21	5	15	0.0025
31,127	1977	11	21	5	30	0.0025
31,128	1977	11	21	5	45	0.0025
31,129	1977	11	21	6	0	0.015
31,130	1977	11	21	6	15	0.015
31,131	1977	11	21	6	30	0.015
31,132	1977	11	21	6	45	0.015
31,133	1977	11	21	7	0	0.0075
31,134	1977	11	21	7	15	0.0075
31,135	1977	11	21	7	30	0.0075
31,136	1977	11	21	7	45	0.0075
31,137	1977	11	21	8	0	0.005
31,138	1977	11	21	8	15	0.005
31,139	1977	11	21	8	30	0.005
31,140	1977	11	21	8	45	0.005
31,141	1977	11	21	9	0	0
31,142	1977	11	21	9	15	0
31,143	1977	11	21	9	30	0
31,144	1977	11	21	9	45	0
31,145	1977	11	21	10	0	0.0025
31,146	1977	11	21	10	15	0.0025
31,147	1977	11	21	10	30	0.0025
31,148	1977	11	21	10	45	0.0025

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
31,149	1977	11	21	11	0	0
31,150	1977	11	21	11	15	0
31,151	1977	11	21	11	30	0
31,152	1977	11	21	11	45	0
31,153	1977	11	21	12	0	0
31,154	1977	11	21	12	15	0
31,155	1977	11	21	12	30	0
31,156	1977	11	21	12	45	0
31,157	1977	11	21	13	0	0
31,158	1977	11	21	13	15	0
31,159	1977	11	21	13	30	0
31,160	1977	11	21	13	45	0
31,161	1977	11	21	14	0	0
31,162	1977	11	21	14	15	0
31,163	1977	11	21	14	30	0
31,164	1977	11	21	14	45	0
31,165	1977	11	21	15	0	0
31,166	1977	11	21	15	15	0
31,167	1977	11	21	15	30	0
31,168	1977	11	21	15	45	0
31,169	1977	11	21	16	0	0
31,170	1977	11	21	16	15	0
31,171	1977	11	21	16	30	0
31,172	1977	11	21	16	45	0
31,173	1977	11	21	17	0	0
31,174	1977	11	21	17	15	0
31,175	1977	11	21	17	30	0
31,176	1977	11	21	17	45	0
31,177	1977	11	21	18	0	0
31,178	1977	11	21	18	15	0
31,179	1977	11	21	18	30	0
31,180	1977	11	21	18	45	0
31,181	1977	11	21	19	0	0
31,182	1977	11	21	19	15	0
31,183	1977	11	21	19	30	0
31,184	1977	11	21	19	45	0
31,185	1977	11	21	20	0	0
31,186	1977	11	21	20	15	0
31,187	1977	11	21	20	30	0
31,188	1977	11	21	20	45	0
31,189	1977	11	21	21	0	0
31,190	1977	11	21	21	15	0
31,191	1977	11	21	21	30	0
31,192	1977	11	21	21	45	0
31,193	1977	11	21	22	0	0
31,194	1977	11	21	22	15	0
31,195	1977	11	21	22	30	0
31,196	1977	11	21	22	45	0
31,197	1977	11	21	23	0	0
31,198	1977	11	21	23	15	0
31,199	1977	11	21	23	30	0
31,200	1977	11	21	23	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
31,201	1977	11	22	0	0	0
31,202	1977	11	22	0	15	0
31,203	1977	11	22	0	30	0
31,204	1977	11	22	0	45	0
31,205	1977	11	22	1	0	0
31,206	1977	11	22	1	15	0
31,207	1977	11	22	1	30	0
31,208	1977	11	22	1	45	0
31,209	1977	11	22	2	0	0
31,210	1977	11	22	2	15	0
31,211	1977	11	22	2	30	0
31,212	1977	11	22	2	45	0
31,213	1977	11	22	3	0	0
31,214	1977	11	22	3	15	0
31,215	1977	11	22	3	30	0
31,216	1977	11	22	3	45	0
31,217	1977	11	22	4	0	0
31,218	1977	11	22	4	15	0
31,219	1977	11	22	4	30	0
31,220	1977	11	22	4	45	0
31,221	1977	11	22	5	0	0
31,222	1977	11	22	5	15	0
31,223	1977	11	22	5	30	0
31,224	1977	11	22	5	45	0
31,225	1977	11	22	6	0	0
31,226	1977	11	22	6	15	0
31,227	1977	11	22	6	30	0
31,228	1977	11	22	6	45	0
31,229	1977	11	22	7	0	0
31,230	1977	11	22	7	15	0
31,231	1977	11	22	7	30	0
31,232	1977	11	22	7	45	0
31,233	1977	11	22	8	0	0
31,234	1977	11	22	8	15	0
31,235	1977	11	22	8	30	0
31,236	1977	11	22	8	45	0
31,237	1977	11	22	9	0	0
31,238	1977	11	22	9	15	0
31,239	1977	11	22	9	30	0
31,240	1977	11	22	9	45	0
31,241	1977	11	22	10	0	0
31,242	1977	11	22	10	15	0
31,243	1977	11	22	10	30	0
31,244	1977	11	22	10	45	0
31,245	1977	11	22	11	0	0
31,246	1977	11	22	11	15	0
31,247	1977	11	22	11	30	0
31,248	1977	11	22	11	45	0
31,249	1977	11	22	12	0	0
31,250	1977	11	22	12	15	0
31,251	1977	11	22	12	30	0
31,252	1977	11	22	12	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
31,253	1977	11	22	13	0	0
31,254	1977	11	22	13	15	0
31,255	1977	11	22	13	30	0
31,256	1977	11	22	13	45	0
31,257	1977	11	22	14	0	0
31,258	1977	11	22	14	15	0
31,259	1977	11	22	14	30	0
31,260	1977	11	22	14	45	0
31,261	1977	11	22	15	0	0
31,262	1977	11	22	15	15	0
31,263	1977	11	22	15	30	0
31,264	1977	11	22	15	45	0
31,265	1977	11	22	16	0	0
31,266	1977	11	22	16	15	0
31,267	1977	11	22	16	30	0
31,268	1977	11	22	16	45	0
31,269	1977	11	22	17	0	0
31,270	1977	11	22	17	15	0
31,271	1977	11	22	17	30	0
31,272	1977	11	22	17	45	0
31,273	1977	11	22	18	0	0
31,274	1977	11	22	18	15	0
31,275	1977	11	22	18	30	0
31,276	1977	11	22	18	45	0
31,277	1977	11	22	19	0	0
31,278	1977	11	22	19	15	0
31,279	1977	11	22	19	30	0
31,280	1977	11	22	19	45	0
31,281	1977	11	22	20	0	0
31,282	1977	11	22	20	15	0
31,283	1977	11	22	20	30	0
31,284	1977	11	22	20	45	0
31,285	1977	11	22	21	0	0
31,286	1977	11	22	21	15	0
31,287	1977	11	22	21	30	0
31,288	1977	11	22	21	45	0
31,289	1977	11	22	22	0	0
31,290	1977	11	22	22	15	0
31,291	1977	11	22	22	30	0
31,292	1977	11	22	22	45	0
31,293	1977	11	22	23	0	0
31,294	1977	11	22	23	15	0
31,295	1977	11	22	23	30	0
31,296	1977	11	22	23	45	0
31,297	1977	11	23	0	0	0
31,298	1977	11	23	0	15	0
31,299	1977	11	23	0	30	0
31,300	1977	11	23	0	45	0
31,301	1977	11	23	1	0	0
31,302	1977	11	23	1	15	0
31,303	1977	11	23	1	30	0
31,304	1977	11	23	1	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
31,305	1977	11	23	2	0	0
31,306	1977	11	23	2	15	0
31,307	1977	11	23	2	30	0
31,308	1977	11	23	2	45	0
31,309	1977	11	23	3	0	0
31,310	1977	11	23	3	15	0
31,311	1977	11	23	3	30	0
31,312	1977	11	23	3	45	0
31,313	1977	11	23	4	0	0
31,314	1977	11	23	4	15	0
31,315	1977	11	23	4	30	0
31,316	1977	11	23	4	45	0
31,317	1977	11	23	5	0	0
31,318	1977	11	23	5	15	0
31,319	1977	11	23	5	30	0
31,320	1977	11	23	5	45	0
31,321	1977	11	23	6	0	0
31,322	1977	11	23	6	15	0
31,323	1977	11	23	6	30	0
31,324	1977	11	23	6	45	0
31,325	1977	11	23	7	0	0
31,326	1977	11	23	7	15	0
31,327	1977	11	23	7	30	0
31,328	1977	11	23	7	45	0
31,329	1977	11	23	8	0	0
31,330	1977	11	23	8	15	0
31,331	1977	11	23	8	30	0
31,332	1977	11	23	8	45	0
31,333	1977	11	23	9	0	0
31,334	1977	11	23	9	15	0
31,335	1977	11	23	9	30	0
31,336	1977	11	23	9	45	0
31,337	1977	11	23	10	0	0
31,338	1977	11	23	10	15	0
31,339	1977	11	23	10	30	0
31,340	1977	11	23	10	45	0
31,341	1977	11	23	11	0	0
31,342	1977	11	23	11	15	0
31,343	1977	11	23	11	30	0
31,344	1977	11	23	11	45	0
31,345	1977	11	23	12	0	0
31,346	1977	11	23	12	15	0
31,347	1977	11	23	12	30	0
31,348	1977	11	23	12	45	0
31,349	1977	11	23	13	0	0
31,350	1977	11	23	13	15	0
31,351	1977	11	23	13	30	0
31,352	1977	11	23	13	45	0
31,353	1977	11	23	14	0	0
31,354	1977	11	23	14	15	0
31,355	1977	11	23	14	30	0
31,356	1977	11	23	14	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
31,357	1977	11	23	15	0	0
31,358	1977	11	23	15	15	0
31,359	1977	11	23	15	30	0
31,360	1977	11	23	15	45	0
31,361	1977	11	23	16	0	0
31,362	1977	11	23	16	15	0
31,363	1977	11	23	16	30	0
31,364	1977	11	23	16	45	0
31,365	1977	11	23	17	0	0.0075
31,366	1977	11	23	17	15	0.0075
31,367	1977	11	23	17	30	0.0075
31,368	1977	11	23	17	45	0.0075
31,369	1977	11	23	18	0	0.0025
31,370	1977	11	23	18	15	0.0025
31,371	1977	11	23	18	30	0.0025
31,372	1977	11	23	18	45	0.0025
31,373	1977	11	23	19	0	0
31,374	1977	11	23	19	15	0
31,375	1977	11	23	19	30	0
31,376	1977	11	23	19	45	0
31,377	1977	11	23	20	0	0
31,378	1977	11	23	20	15	0
31,379	1977	11	23	20	30	0
31,380	1977	11	23	20	45	0
31,381	1977	11	23	21	0	0
31,382	1977	11	23	21	15	0
31,383	1977	11	23	21	30	0
31,384	1977	11	23	21	45	0
31,385	1977	11	23	22	0	0
31,386	1977	11	23	22	15	0
31,387	1977	11	23	22	30	0
31,388	1977	11	23	22	45	0
31,389	1977	11	23	23	0	0
31,390	1977	11	23	23	15	0
31,391	1977	11	23	23	30	0
31,392	1977	11	23	23	45	0
31,393	1977	11	24	0	0	0
31,394	1977	11	24	0	15	0
31,395	1977	11	24	0	30	0
31,396	1977	11	24	0	45	0
31,397	1977	11	24	1	0	0
31,398	1977	11	24	1	15	0
31,399	1977	11	24	1	30	0
31,400	1977	11	24	1	45	0
31,401	1977	11	24	2	0	0
31,402	1977	11	24	2	15	0
31,403	1977	11	24	2	30	0
31,404	1977	11	24	2	45	0
31,405	1977	11	24	3	0	0
31,406	1977	11	24	3	15	0
31,407	1977	11	24	3	30	0
31,408	1977	11	24	3	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
31,409	1977	11	24	4	0	0
31,410	1977	11	24	4	15	0
31,411	1977	11	24	4	30	0
31,412	1977	11	24	4	45	0
31,413	1977	11	24	5	0	0
31,414	1977	11	24	5	15	0
31,415	1977	11	24	5	30	0
31,416	1977	11	24	5	45	0
31,417	1977	11	24	6	0	0
31,418	1977	11	24	6	15	0
31,419	1977	11	24	6	30	0
31,420	1977	11	24	6	45	0
31,421	1977	11	24	7	0	0
31,422	1977	11	24	7	15	0
31,423	1977	11	24	7	30	0
31,424	1977	11	24	7	45	0
31,425	1977	11	24	8	0	0
31,426	1977	11	24	8	15	0
31,427	1977	11	24	8	30	0
31,428	1977	11	24	8	45	0
31,429	1977	11	24	9	0	0
31,430	1977	11	24	9	15	0
31,431	1977	11	24	9	30	0
31,432	1977	11	24	9	45	0
31,433	1977	11	24	10	0	0
31,434	1977	11	24	10	15	0
31,435	1977	11	24	10	30	0
31,436	1977	11	24	10	45	0
31,437	1977	11	24	11	0	0
31,438	1977	11	24	11	15	0
31,439	1977	11	24	11	30	0
31,440	1977	11	24	11	45	0
31,441	1977	11	24	12	0	0
31,442	1977	11	24	12	15	0
31,443	1977	11	24	12	30	0
31,444	1977	11	24	12	45	0
31,445	1977	11	24	13	0	0
31,446	1977	11	24	13	15	0
31,447	1977	11	24	13	30	0
31,448	1977	11	24	13	45	0
31,449	1977	11	24	14	0	0
31,450	1977	11	24	14	15	0
31,451	1977	11	24	14	30	0
31,452	1977	11	24	14	45	0
31,453	1977	11	24	15	0	0
31,454	1977	11	24	15	15	0
31,455	1977	11	24	15	30	0
31,456	1977	11	24	15	45	0
31,457	1977	11	24	16	0	0
31,458	1977	11	24	16	15	0
31,459	1977	11	24	16	30	0
31,460	1977	11	24	16	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
31,461	1977	11	24	17	0	0
31,462	1977	11	24	17	15	0
31,463	1977	11	24	17	30	0
31,464	1977	11	24	17	45	0
31,465	1977	11	24	18	0	0
31,466	1977	11	24	18	15	0
31,467	1977	11	24	18	30	0
31,468	1977	11	24	18	45	0
31,469	1977	11	24	19	0	0
31,470	1977	11	24	19	15	0
31,471	1977	11	24	19	30	0
31,472	1977	11	24	19	45	0
31,473	1977	11	24	20	0	0
31,474	1977	11	24	20	15	0
31,475	1977	11	24	20	30	0
31,476	1977	11	24	20	45	0
31,477	1977	11	24	21	0	0
31,478	1977	11	24	21	15	0
31,479	1977	11	24	21	30	0
31,480	1977	11	24	21	45	0
31,481	1977	11	24	22	0	0
31,482	1977	11	24	22	15	0
31,483	1977	11	24	22	30	0
31,484	1977	11	24	22	45	0
31,485	1977	11	24	23	0	0
31,486	1977	11	24	23	15	0
31,487	1977	11	24	23	30	0
31,488	1977	11	24	23	45	0
31,489	1977	11	25	0	0	0
31,490	1977	11	25	0	15	0
31,491	1977	11	25	0	30	0
31,492	1977	11	25	0	45	0
31,493	1977	11	25	1	0	0
31,494	1977	11	25	1	15	0
31,495	1977	11	25	1	30	0
31,496	1977	11	25	1	45	0
31,497	1977	11	25	2	0	0
31,498	1977	11	25	2	15	0
31,499	1977	11	25	2	30	0
31,500	1977	11	25	2	45	0
31,501	1977	11	25	3	0	0
31,502	1977	11	25	3	15	0
31,503	1977	11	25	3	30	0
31,504	1977	11	25	3	45	0
31,505	1977	11	25	4	0	0
31,506	1977	11	25	4	15	0
31,507	1977	11	25	4	30	0
31,508	1977	11	25	4	45	0
31,509	1977	11	25	5	0	0
31,510	1977	11	25	5	15	0
31,511	1977	11	25	5	30	0
31,512	1977	11	25	5	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
31,513	1977	11	25	6	0	0
31,514	1977	11	25	6	15	0
31,515	1977	11	25	6	30	0
31,516	1977	11	25	6	45	0
31,517	1977	11	25	7	0	0
31,518	1977	11	25	7	15	0
31,519	1977	11	25	7	30	0
31,520	1977	11	25	7	45	0
31,521	1977	11	25	8	0	0
31,522	1977	11	25	8	15	0
31,523	1977	11	25	8	30	0
31,524	1977	11	25	8	45	0
31,525	1977	11	25	9	0	0
31,526	1977	11	25	9	15	0
31,527	1977	11	25	9	30	0
31,528	1977	11	25	9	45	0
31,529	1977	11	25	10	0	0
31,530	1977	11	25	10	15	0
31,531	1977	11	25	10	30	0
31,532	1977	11	25	10	45	0
31,533	1977	11	25	11	0	0
31,534	1977	11	25	11	15	0
31,535	1977	11	25	11	30	0
31,536	1977	11	25	11	45	0
31,537	1977	11	25	12	0	0
31,538	1977	11	25	12	15	0
31,539	1977	11	25	12	30	0
31,540	1977	11	25	12	45	0
31,541	1977	11	25	13	0	0
31,542	1977	11	25	13	15	0
31,543	1977	11	25	13	30	0
31,544	1977	11	25	13	45	0
31,545	1977	11	25	14	0	0
31,546	1977	11	25	14	15	0
31,547	1977	11	25	14	30	0
31,548	1977	11	25	14	45	0
31,549	1977	11	25	15	0	0.01
31,550	1977	11	25	15	15	0.01
31,551	1977	11	25	15	30	0.01
31,552	1977	11	25	15	45	0.01
31,553	1977	11	25	16	0	0
31,554	1977	11	25	16	15	0
31,555	1977	11	25	16	30	0
31,556	1977	11	25	16	45	0
31,557	1977	11	25	17	0	0.0275
31,558	1977	11	25	17	15	0.0275
31,559	1977	11	25	17	30	0.0275
31,560	1977	11	25	17	45	0.0275
31,561	1977	11	25	18	0	0.0075
31,562	1977	11	25	18	15	0.0075
31,563	1977	11	25	18	30	0.0075
31,564	1977	11	25	18	45	0.0075

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
31,565	1977	11	25	19	0	0.0025
31,566	1977	11	25	19	15	0.0025
31,567	1977	11	25	19	30	0.0025
31,568	1977	11	25	19	45	0.0025
31,569	1977	11	25	20	0	0
31,570	1977	11	25	20	15	0
31,571	1977	11	25	20	30	0
31,572	1977	11	25	20	45	0
31,573	1977	11	25	21	0	0
31,574	1977	11	25	21	15	0
31,575	1977	11	25	21	30	0
31,576	1977	11	25	21	45	0
31,577	1977	11	25	22	0	0
31,578	1977	11	25	22	15	0
31,579	1977	11	25	22	30	0
31,580	1977	11	25	22	45	0
31,581	1977	11	25	23	0	0
31,582	1977	11	25	23	15	0
31,583	1977	11	25	23	30	0
31,584	1977	11	25	23	45	0
31,585	1977	11	26	0	0	0
31,586	1977	11	26	0	15	0
31,587	1977	11	26	0	30	0
31,588	1977	11	26	0	45	0
31,589	1977	11	26	1	0	0.005
31,590	1977	11	26	1	15	0.005
31,591	1977	11	26	1	30	0.005
31,592	1977	11	26	1	45	0.005
31,593	1977	11	26	2	0	0.0025
31,594	1977	11	26	2	15	0.0025
31,595	1977	11	26	2	30	0.0025
31,596	1977	11	26	2	45	0.0025
31,597	1977	11	26	3	0	0.005
31,598	1977	11	26	3	15	0.005
31,599	1977	11	26	3	30	0.005
31,600	1977	11	26	3	45	0.005
31,601	1977	11	26	4	0	0.005
31,602	1977	11	26	4	15	0.005
31,603	1977	11	26	4	30	0.005
31,604	1977	11	26	4	45	0.005
31,605	1977	11	26	5	0	0.005
31,606	1977	11	26	5	15	0.005
31,607	1977	11	26	5	30	0.005
31,608	1977	11	26	5	45	0.005
31,609	1977	11	26	6	0	0.005
31,610	1977	11	26	6	15	0.005
31,611	1977	11	26	6	30	0.005
31,612	1977	11	26	6	45	0.005
31,613	1977	11	26	7	0	0
31,614	1977	11	26	7	15	0
31,615	1977	11	26	7	30	0
31,616	1977	11	26	7	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
31,617	1977	11	26	8	0	0.0025
31,618	1977	11	26	8	15	0.0025
31,619	1977	11	26	8	30	0.0025
31,620	1977	11	26	8	45	0.0025
31,621	1977	11	26	9	0	0.0025
31,622	1977	11	26	9	15	0.0025
31,623	1977	11	26	9	30	0.0025
31,624	1977	11	26	9	45	0.0025
31,625	1977	11	26	10	0	0.0025
31,626	1977	11	26	10	15	0.0025
31,627	1977	11	26	10	30	0.0025
31,628	1977	11	26	10	45	0.0025
31,629	1977	11	26	11	0	0.0025
31,630	1977	11	26	11	15	0.0025
31,631	1977	11	26	11	30	0.0025
31,632	1977	11	26	11	45	0.0025
31,633	1977	11	26	12	0	0
31,634	1977	11	26	12	15	0
31,635	1977	11	26	12	30	0
31,636	1977	11	26	12	45	0
31,637	1977	11	26	13	0	0
31,638	1977	11	26	13	15	0
31,639	1977	11	26	13	30	0
31,640	1977	11	26	13	45	0
31,641	1977	11	26	14	0	0.005
31,642	1977	11	26	14	15	0.005
31,643	1977	11	26	14	30	0.005
31,644	1977	11	26	14	45	0.005
31,645	1977	11	26	15	0	0
31,646	1977	11	26	15	15	0
31,647	1977	11	26	15	30	0
31,648	1977	11	26	15	45	0
31,649	1977	11	26	16	0	0
31,650	1977	11	26	16	15	0
31,651	1977	11	26	16	30	0
31,652	1977	11	26	16	45	0
31,653	1977	11	26	17	0	0
31,654	1977	11	26	17	15	0
31,655	1977	11	26	17	30	0
31,656	1977	11	26	17	45	0
31,657	1977	11	26	18	0	0
31,658	1977	11	26	18	15	0
31,659	1977	11	26	18	30	0
31,660	1977	11	26	18	45	0
31,661	1977	11	26	19	0	0
31,662	1977	11	26	19	15	0
31,663	1977	11	26	19	30	0
31,664	1977	11	26	19	45	0
31,665	1977	11	26	20	0	0
31,666	1977	11	26	20	15	0
31,667	1977	11	26	20	30	0
31,668	1977	11	26	20	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
31,669	1977	11	26	21	0	0
31,670	1977	11	26	21	15	0
31,671	1977	11	26	21	30	0
31,672	1977	11	26	21	45	0
31,673	1977	11	26	22	0	0
31,674	1977	11	26	22	15	0
31,675	1977	11	26	22	30	0
31,676	1977	11	26	22	45	0
31,677	1977	11	26	23	0	0
31,678	1977	11	26	23	15	0
31,679	1977	11	26	23	30	0
31,680	1977	11	26	23	45	0
31,681	1977	11	27	0	0	0
31,682	1977	11	27	0	15	0
31,683	1977	11	27	0	30	0
31,684	1977	11	27	0	45	0
31,685	1977	11	27	1	0	0
31,686	1977	11	27	1	15	0
31,687	1977	11	27	1	30	0
31,688	1977	11	27	1	45	0
31,689	1977	11	27	2	0	0
31,690	1977	11	27	2	15	0
31,691	1977	11	27	2	30	0
31,692	1977	11	27	2	45	0
31,693	1977	11	27	3	0	0
31,694	1977	11	27	3	15	0
31,695	1977	11	27	3	30	0
31,696	1977	11	27	3	45	0
31,697	1977	11	27	4	0	0
31,698	1977	11	27	4	15	0
31,699	1977	11	27	4	30	0
31,700	1977	11	27	4	45	0
31,701	1977	11	27	5	0	0
31,702	1977	11	27	5	15	0
31,703	1977	11	27	5	30	0
31,704	1977	11	27	5	45	0
31,705	1977	11	27	6	0	0
31,706	1977	11	27	6	15	0
31,707	1977	11	27	6	30	0
31,708	1977	11	27	6	45	0
31,709	1977	11	27	7	0	0
31,710	1977	11	27	7	15	0
31,711	1977	11	27	7	30	0
31,712	1977	11	27	7	45	0
31,713	1977	11	27	8	0	0
31,714	1977	11	27	8	15	0
31,715	1977	11	27	8	30	0
31,716	1977	11	27	8	45	0
31,717	1977	11	27	9	0	0
31,718	1977	11	27	9	15	0
31,719	1977	11	27	9	30	0
31,720	1977	11	27	9	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
31,721	1977	11	27	10	0	0
31,722	1977	11	27	10	15	0
31,723	1977	11	27	10	30	0
31,724	1977	11	27	10	45	0
31,725	1977	11	27	11	0	0
31,726	1977	11	27	11	15	0
31,727	1977	11	27	11	30	0
31,728	1977	11	27	11	45	0
31,729	1977	11	27	12	0	0
31,730	1977	11	27	12	15	0
31,731	1977	11	27	12	30	0
31,732	1977	11	27	12	45	0
31,733	1977	11	27	13	0	0
31,734	1977	11	27	13	15	0
31,735	1977	11	27	13	30	0
31,736	1977	11	27	13	45	0
31,737	1977	11	27	14	0	0
31,738	1977	11	27	14	15	0
31,739	1977	11	27	14	30	0
31,740	1977	11	27	14	45	0
31,741	1977	11	27	15	0	0
31,742	1977	11	27	15	15	0
31,743	1977	11	27	15	30	0
31,744	1977	11	27	15	45	0
31,745	1977	11	27	16	0	0.0025
31,746	1977	11	27	16	15	0.0025
31,747	1977	11	27	16	30	0.0025
31,748	1977	11	27	16	45	0.0025
31,749	1977	11	27	17	0	0.005
31,750	1977	11	27	17	15	0.005
31,751	1977	11	27	17	30	0.005
31,752	1977	11	27	17	45	0.005
31,753	1977	11	27	18	0	0.005
31,754	1977	11	27	18	15	0.005
31,755	1977	11	27	18	30	0.005
31,756	1977	11	27	18	45	0.005
31,757	1977	11	27	19	0	0.0075
31,758	1977	11	27	19	15	0.0075
31,759	1977	11	27	19	30	0.0075
31,760	1977	11	27	19	45	0.0075
31,761	1977	11	27	20	0	0
31,762	1977	11	27	20	15	0
31,763	1977	11	27	20	30	0
31,764	1977	11	27	20	45	0
31,765	1977	11	27	21	0	0
31,766	1977	11	27	21	15	0
31,767	1977	11	27	21	30	0
31,768	1977	11	27	21	45	0
31,769	1977	11	27	22	0	0.0025
31,770	1977	11	27	22	15	0.0025
31,771	1977	11	27	22	30	0.0025
31,772	1977	11	27	22	45	0.0025

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
31,773	1977	11	27	23	0	0
31,774	1977	11	27	23	15	0
31,775	1977	11	27	23	30	0
31,776	1977	11	27	23	45	0
31,777	1977	11	28	0	0	0.0025
31,778	1977	11	28	0	15	0.0025
31,779	1977	11	28	0	30	0.0025
31,780	1977	11	28	0	45	0.0025
31,781	1977	11	28	1	0	0
31,782	1977	11	28	1	15	0
31,783	1977	11	28	1	30	0
31,784	1977	11	28	1	45	0
31,785	1977	11	28	2	0	0
31,786	1977	11	28	2	15	0
31,787	1977	11	28	2	30	0
31,788	1977	11	28	2	45	0
31,789	1977	11	28	3	0	0
31,790	1977	11	28	3	15	0
31,791	1977	11	28	3	30	0
31,792	1977	11	28	3	45	0
31,793	1977	11	28	4	0	0
31,794	1977	11	28	4	15	0
31,795	1977	11	28	4	30	0
31,796	1977	11	28	4	45	0
31,797	1977	11	28	5	0	0
31,798	1977	11	28	5	15	0
31,799	1977	11	28	5	30	0
31,800	1977	11	28	5	45	0
31,801	1977	11	28	6	0	0
31,802	1977	11	28	6	15	0
31,803	1977	11	28	6	30	0
31,804	1977	11	28	6	45	0
31,805	1977	11	28	7	0	0
31,806	1977	11	28	7	15	0
31,807	1977	11	28	7	30	0
31,808	1977	11	28	7	45	0
31,809	1977	11	28	8	0	0
31,810	1977	11	28	8	15	0
31,811	1977	11	28	8	30	0
31,812	1977	11	28	8	45	0
31,813	1977	11	28	9	0	0
31,814	1977	11	28	9	15	0
31,815	1977	11	28	9	30	0
31,816	1977	11	28	9	45	0
31,817	1977	11	28	10	0	0
31,818	1977	11	28	10	15	0
31,819	1977	11	28	10	30	0
31,820	1977	11	28	10	45	0
31,821	1977	11	28	11	0	0
31,822	1977	11	28	11	15	0
31,823	1977	11	28	11	30	0
31,824	1977	11	28	11	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
31,825	1977	11	28	12	0	0
31,826	1977	11	28	12	15	0
31,827	1977	11	28	12	30	0
31,828	1977	11	28	12	45	0
31,829	1977	11	28	13	0	0
31,830	1977	11	28	13	15	0
31,831	1977	11	28	13	30	0
31,832	1977	11	28	13	45	0
31,833	1977	11	28	14	0	0
31,834	1977	11	28	14	15	0
31,835	1977	11	28	14	30	0
31,836	1977	11	28	14	45	0
31,837	1977	11	28	15	0	0
31,838	1977	11	28	15	15	0
31,839	1977	11	28	15	30	0
31,840	1977	11	28	15	45	0
31,841	1977	11	28	16	0	0
31,842	1977	11	28	16	15	0
31,843	1977	11	28	16	30	0
31,844	1977	11	28	16	45	0
31,845	1977	11	28	17	0	0
31,846	1977	11	28	17	15	0
31,847	1977	11	28	17	30	0
31,848	1977	11	28	17	45	0
31,849	1977	11	28	18	0	0
31,850	1977	11	28	18	15	0
31,851	1977	11	28	18	30	0
31,852	1977	11	28	18	45	0
31,853	1977	11	28	19	0	0
31,854	1977	11	28	19	15	0
31,855	1977	11	28	19	30	0
31,856	1977	11	28	19	45	0
31,857	1977	11	28	20	0	0
31,858	1977	11	28	20	15	0
31,859	1977	11	28	20	30	0
31,860	1977	11	28	20	45	0
31,861	1977	11	28	21	0	0
31,862	1977	11	28	21	15	0
31,863	1977	11	28	21	30	0
31,864	1977	11	28	21	45	0
31,865	1977	11	28	22	0	0
31,866	1977	11	28	22	15	0
31,867	1977	11	28	22	30	0
31,868	1977	11	28	22	45	0
31,869	1977	11	28	23	0	0
31,870	1977	11	28	23	15	0
31,871	1977	11	28	23	30	0
31,872	1977	11	28	23	45	0
31,873	1977	11	29	0	0	0
31,874	1977	11	29	0	15	0
31,875	1977	11	29	0	30	0
31,876	1977	11	29	0	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
31,877	1977	11	29	1	0	0
31,878	1977	11	29	1	15	0
31,879	1977	11	29	1	30	0
31,880	1977	11	29	1	45	0
31,881	1977	11	29	2	0	0
31,882	1977	11	29	2	15	0
31,883	1977	11	29	2	30	0
31,884	1977	11	29	2	45	0
31,885	1977	11	29	3	0	0
31,886	1977	11	29	3	15	0
31,887	1977	11	29	3	30	0
31,888	1977	11	29	3	45	0
31,889	1977	11	29	4	0	0
31,890	1977	11	29	4	15	0
31,891	1977	11	29	4	30	0
31,892	1977	11	29	4	45	0
31,893	1977	11	29	5	0	0
31,894	1977	11	29	5	15	0
31,895	1977	11	29	5	30	0
31,896	1977	11	29	5	45	0
31,897	1977	11	29	6	0	0
31,898	1977	11	29	6	15	0
31,899	1977	11	29	6	30	0
31,900	1977	11	29	6	45	0
31,901	1977	11	29	7	0	0
31,902	1977	11	29	7	15	0
31,903	1977	11	29	7	30	0
31,904	1977	11	29	7	45	0
31,905	1977	11	29	8	0	0
31,906	1977	11	29	8	15	0
31,907	1977	11	29	8	30	0
31,908	1977	11	29	8	45	0
31,909	1977	11	29	9	0	0
31,910	1977	11	29	9	15	0
31,911	1977	11	29	9	30	0
31,912	1977	11	29	9	45	0
31,913	1977	11	29	10	0	0
31,914	1977	11	29	10	15	0
31,915	1977	11	29	10	30	0
31,916	1977	11	29	10	45	0
31,917	1977	11	29	11	0	0
31,918	1977	11	29	11	15	0
31,919	1977	11	29	11	30	0
31,920	1977	11	29	11	45	0
31,921	1977	11	29	12	0	0
31,922	1977	11	29	12	15	0
31,923	1977	11	29	12	30	0
31,924	1977	11	29	12	45	0
31,925	1977	11	29	13	0	0
31,926	1977	11	29	13	15	0
31,927	1977	11	29	13	30	0
31,928	1977	11	29	13	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
31,929	1977	11	29	14	0	0
31,930	1977	11	29	14	15	0
31,931	1977	11	29	14	30	0
31,932	1977	11	29	14	45	0
31,933	1977	11	29	15	0	0
31,934	1977	11	29	15	15	0
31,935	1977	11	29	15	30	0
31,936	1977	11	29	15	45	0
31,937	1977	11	29	16	0	0
31,938	1977	11	29	16	15	0
31,939	1977	11	29	16	30	0
31,940	1977	11	29	16	45	0
31,941	1977	11	29	17	0	0
31,942	1977	11	29	17	15	0
31,943	1977	11	29	17	30	0
31,944	1977	11	29	17	45	0
31,945	1977	11	29	18	0	0
31,946	1977	11	29	18	15	0
31,947	1977	11	29	18	30	0
31,948	1977	11	29	18	45	0
31,949	1977	11	29	19	0	0
31,950	1977	11	29	19	15	0
31,951	1977	11	29	19	30	0
31,952	1977	11	29	19	45	0
31,953	1977	11	29	20	0	0
31,954	1977	11	29	20	15	0
31,955	1977	11	29	20	30	0
31,956	1977	11	29	20	45	0
31,957	1977	11	29	21	0	0
31,958	1977	11	29	21	15	0
31,959	1977	11	29	21	30	0
31,960	1977	11	29	21	45	0
31,961	1977	11	29	22	0	0
31,962	1977	11	29	22	15	0
31,963	1977	11	29	22	30	0
31,964	1977	11	29	22	45	0
31,965	1977	11	29	23	0	0
31,966	1977	11	29	23	15	0
31,967	1977	11	29	23	30	0
31,968	1977	11	29	23	45	0
31,969	1977	11	30	0	0	0
31,970	1977	11	30	0	15	0
31,971	1977	11	30	0	30	0
31,972	1977	11	30	0	45	0
31,973	1977	11	30	1	0	0
31,974	1977	11	30	1	15	0
31,975	1977	11	30	1	30	0
31,976	1977	11	30	1	45	0
31,977	1977	11	30	2	0	0
31,978	1977	11	30	2	15	0
31,979	1977	11	30	2	30	0
31,980	1977	11	30	2	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
31,981	1977	11	30	3	0	0
31,982	1977	11	30	3	15	0
31,983	1977	11	30	3	30	0
31,984	1977	11	30	3	45	0
31,985	1977	11	30	4	0	0.005
31,986	1977	11	30	4	15	0.005
31,987	1977	11	30	4	30	0.005
31,988	1977	11	30	4	45	0.005
31,989	1977	11	30	5	0	0.005
31,990	1977	11	30	5	15	0.005
31,991	1977	11	30	5	30	0.005
31,992	1977	11	30	5	45	0.005
31,993	1977	11	30	6	0	0.0075
31,994	1977	11	30	6	15	0.0075
31,995	1977	11	30	6	30	0.0075
31,996	1977	11	30	6	45	0.0075
31,997	1977	11	30	7	0	0.0125
31,998	1977	11	30	7	15	0.0125
31,999	1977	11	30	7	30	0.0125
32,000	1977	11	30	7	45	0.0125
32,001	1977	11	30	8	0	0.005
32,002	1977	11	30	8	15	0.005
32,003	1977	11	30	8	30	0.005
32,004	1977	11	30	8	45	0.005
32,005	1977	11	30	9	0	0.0075
32,006	1977	11	30	9	15	0.0075
32,007	1977	11	30	9	30	0.0075
32,008	1977	11	30	9	45	0.0075
32,009	1977	11	30	10	0	0.005
32,010	1977	11	30	10	15	0.005
32,011	1977	11	30	10	30	0.005
32,012	1977	11	30	10	45	0.005
32,013	1977	11	30	11	0	0.005
32,014	1977	11	30	11	15	0.005
32,015	1977	11	30	11	30	0.005
32,016	1977	11	30	11	45	0.005
32,017	1977	11	30	12	0	0.0075
32,018	1977	11	30	12	15	0.0075
32,019	1977	11	30	12	30	0.0075
32,020	1977	11	30	12	45	0.0075
32,021	1977	11	30	13	0	0.0075
32,022	1977	11	30	13	15	0.0075
32,023	1977	11	30	13	30	0.0075
32,024	1977	11	30	13	45	0.0075
32,025	1977	11	30	14	0	0.0075
32,026	1977	11	30	14	15	0.0075
32,027	1977	11	30	14	30	0.0075
32,028	1977	11	30	14	45	0.0075
32,029	1977	11	30	15	0	0.0075
32,030	1977	11	30	15	15	0.0075
32,031	1977	11	30	15	30	0.0075
32,032	1977	11	30	15	45	0.0075

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
32,033	1977	11	30	16	0	0.0025
32,034	1977	11	30	16	15	0.0025
32,035	1977	11	30	16	30	0.0025
32,036	1977	11	30	16	45	0.0025
32,037	1977	11	30	17	0	0.0125
32,038	1977	11	30	17	15	0.0125
32,039	1977	11	30	17	30	0.0125
32,040	1977	11	30	17	45	0.0125
32,041	1977	11	30	18	0	0.0025
32,042	1977	11	30	18	15	0.0025
32,043	1977	11	30	18	30	0.0025
32,044	1977	11	30	18	45	0.0025
32,045	1977	11	30	19	0	0.0175
32,046	1977	11	30	19	15	0.0175
32,047	1977	11	30	19	30	0.0175
32,048	1977	11	30	19	45	0.0175
32,049	1977	11	30	20	0	0.01
32,050	1977	11	30	20	15	0.01
32,051	1977	11	30	20	30	0.01
32,052	1977	11	30	20	45	0.01
32,053	1977	11	30	21	0	0.01
32,054	1977	11	30	21	15	0.01
32,055	1977	11	30	21	30	0.01
32,056	1977	11	30	21	45	0.01
32,057	1977	11	30	22	0	0.01
32,058	1977	11	30	22	15	0.01
32,059	1977	11	30	22	30	0.01
32,060	1977	11	30	22	45	0.01
32,061	1977	11	30	23	0	0
32,062	1977	11	30	23	15	0
32,063	1977	11	30	23	30	0
32,064	1977	11	30	23	45	0
32,065	1977	12	1	0	0	0
32,066	1977	12	1	0	15	0
32,067	1977	12	1	0	30	0
32,068	1977	12	1	0	45	0
32,069	1977	12	1	1	0	0
32,070	1977	12	1	1	15	0
32,071	1977	12	1	1	30	0
32,072	1977	12	1	1	45	0
32,073	1977	12	1	2	0	0
32,074	1977	12	1	2	15	0
32,075	1977	12	1	2	30	0
32,076	1977	12	1	2	45	0
32,077	1977	12	1	3	0	0
32,078	1977	12	1	3	15	0
32,079	1977	12	1	3	30	0
32,080	1977	12	1	3	45	0
32,081	1977	12	1	4	0	0
32,082	1977	12	1	4	15	0
32,083	1977	12	1	4	30	0
32,084	1977	12	1	4	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
32,085	1977	12	1	5	0	0.0025
32,086	1977	12	1	5	15	0.0025
32,087	1977	12	1	5	30	0.0025
32,088	1977	12	1	5	45	0.0025
32,089	1977	12	1	6	0	0.005
32,090	1977	12	1	6	15	0.005
32,091	1977	12	1	6	30	0.005
32,092	1977	12	1	6	45	0.005
32,093	1977	12	1	7	0	0.0025
32,094	1977	12	1	7	15	0.0025
32,095	1977	12	1	7	30	0.0025
32,096	1977	12	1	7	45	0.0025
32,097	1977	12	1	8	0	0
32,098	1977	12	1	8	15	0
32,099	1977	12	1	8	30	0
32,100	1977	12	1	8	45	0
32,101	1977	12	1	9	0	0
32,102	1977	12	1	9	15	0
32,103	1977	12	1	9	30	0
32,104	1977	12	1	9	45	0
32,105	1977	12	1	10	0	0
32,106	1977	12	1	10	15	0
32,107	1977	12	1	10	30	0
32,108	1977	12	1	10	45	0
32,109	1977	12	1	11	0	0
32,110	1977	12	1	11	15	0
32,111	1977	12	1	11	30	0
32,112	1977	12	1	11	45	0
32,113	1977	12	1	12	0	0
32,114	1977	12	1	12	15	0
32,115	1977	12	1	12	30	0
32,116	1977	12	1	12	45	0
32,117	1977	12	1	13	0	0
32,118	1977	12	1	13	15	0
32,119	1977	12	1	13	30	0
32,120	1977	12	1	13	45	0
32,121	1977	12	1	14	0	0
32,122	1977	12	1	14	15	0
32,123	1977	12	1	14	30	0
32,124	1977	12	1	14	45	0
32,125	1977	12	1	15	0	0
32,126	1977	12	1	15	15	0
32,127	1977	12	1	15	30	0
32,128	1977	12	1	15	45	0
32,129	1977	12	1	16	0	0
32,130	1977	12	1	16	15	0
32,131	1977	12	1	16	30	0
32,132	1977	12	1	16	45	0
32,133	1977	12	1	17	0	0
32,134	1977	12	1	17	15	0
32,135	1977	12	1	17	30	0
32,136	1977	12	1	17	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
32,137	1977	12	1	18	0	0
32,138	1977	12	1	18	15	0
32,139	1977	12	1	18	30	0
32,140	1977	12	1	18	45	0
32,141	1977	12	1	19	0	0
32,142	1977	12	1	19	15	0
32,143	1977	12	1	19	30	0
32,144	1977	12	1	19	45	0
32,145	1977	12	1	20	0	0
32,146	1977	12	1	20	15	0
32,147	1977	12	1	20	30	0
32,148	1977	12	1	20	45	0
32,149	1977	12	1	21	0	0
32,150	1977	12	1	21	15	0
32,151	1977	12	1	21	30	0
32,152	1977	12	1	21	45	0
32,153	1977	12	1	22	0	0
32,154	1977	12	1	22	15	0
32,155	1977	12	1	22	30	0
32,156	1977	12	1	22	45	0
32,157	1977	12	1	23	0	0
32,158	1977	12	1	23	15	0
32,159	1977	12	1	23	30	0
32,160	1977	12	1	23	45	0
32,161	1977	12	2	0	0	0
32,162	1977	12	2	0	15	0
32,163	1977	12	2	0	30	0
32,164	1977	12	2	0	45	0
32,165	1977	12	2	1	0	0
32,166	1977	12	2	1	15	0
32,167	1977	12	2	1	30	0
32,168	1977	12	2	1	45	0
32,169	1977	12	2	2	0	0
32,170	1977	12	2	2	15	0
32,171	1977	12	2	2	30	0
32,172	1977	12	2	2	45	0
32,173	1977	12	2	3	0	0
32,174	1977	12	2	3	15	0
32,175	1977	12	2	3	30	0
32,176	1977	12	2	3	45	0
32,177	1977	12	2	4	0	0
32,178	1977	12	2	4	15	0
32,179	1977	12	2	4	30	0
32,180	1977	12	2	4	45	0
32,181	1977	12	2	5	0	0
32,182	1977	12	2	5	15	0
32,183	1977	12	2	5	30	0
32,184	1977	12	2	5	45	0
32,185	1977	12	2	6	0	0
32,186	1977	12	2	6	15	0
32,187	1977	12	2	6	30	0
32,188	1977	12	2	6	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
32,189	1977	12	2	7	0	0
32,190	1977	12	2	7	15	0
32,191	1977	12	2	7	30	0
32,192	1977	12	2	7	45	0
32,193	1977	12	2	8	0	0
32,194	1977	12	2	8	15	0
32,195	1977	12	2	8	30	0
32,196	1977	12	2	8	45	0
32,197	1977	12	2	9	0	0
32,198	1977	12	2	9	15	0
32,199	1977	12	2	9	30	0
32,200	1977	12	2	9	45	0
32,201	1977	12	2	10	0	0
32,202	1977	12	2	10	15	0
32,203	1977	12	2	10	30	0
32,204	1977	12	2	10	45	0
32,205	1977	12	2	11	0	0
32,206	1977	12	2	11	15	0
32,207	1977	12	2	11	30	0
32,208	1977	12	2	11	45	0
32,209	1977	12	2	12	0	0
32,210	1977	12	2	12	15	0
32,211	1977	12	2	12	30	0
32,212	1977	12	2	12	45	0
32,213	1977	12	2	13	0	0
32,214	1977	12	2	13	15	0
32,215	1977	12	2	13	30	0
32,216	1977	12	2	13	45	0
32,217	1977	12	2	14	0	0
32,218	1977	12	2	14	15	0
32,219	1977	12	2	14	30	0
32,220	1977	12	2	14	45	0
32,221	1977	12	2	15	0	0
32,222	1977	12	2	15	15	0
32,223	1977	12	2	15	30	0
32,224	1977	12	2	15	45	0
32,225	1977	12	2	16	0	0
32,226	1977	12	2	16	15	0
32,227	1977	12	2	16	30	0
32,228	1977	12	2	16	45	0
32,229	1977	12	2	17	0	0.0025
32,230	1977	12	2	17	15	0.0025
32,231	1977	12	2	17	30	0.0025
32,232	1977	12	2	17	45	0.0025
32,233	1977	12	2	18	0	0
32,234	1977	12	2	18	15	0
32,235	1977	12	2	18	30	0
32,236	1977	12	2	18	45	0
32,237	1977	12	2	19	0	0
32,238	1977	12	2	19	15	0
32,239	1977	12	2	19	30	0
32,240	1977	12	2	19	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
32,241	1977	12	2	20	0	0
32,242	1977	12	2	20	15	0
32,243	1977	12	2	20	30	0
32,244	1977	12	2	20	45	0
32,245	1977	12	2	21	0	0
32,246	1977	12	2	21	15	0
32,247	1977	12	2	21	30	0
32,248	1977	12	2	21	45	0
32,249	1977	12	2	22	0	0
32,250	1977	12	2	22	15	0
32,251	1977	12	2	22	30	0
32,252	1977	12	2	22	45	0
32,253	1977	12	2	23	0	0
32,254	1977	12	2	23	15	0
32,255	1977	12	2	23	30	0
32,256	1977	12	2	23	45	0
32,257	1977	12	3	0	0	0
32,258	1977	12	3	0	15	0
32,259	1977	12	3	0	30	0
32,260	1977	12	3	0	45	0
32,261	1977	12	3	1	0	0
32,262	1977	12	3	1	15	0
32,263	1977	12	3	1	30	0
32,264	1977	12	3	1	45	0
32,265	1977	12	3	2	0	0
32,266	1977	12	3	2	15	0
32,267	1977	12	3	2	30	0
32,268	1977	12	3	2	45	0
32,269	1977	12	3	3	0	0
32,270	1977	12	3	3	15	0
32,271	1977	12	3	3	30	0
32,272	1977	12	3	3	45	0
32,273	1977	12	3	4	0	0
32,274	1977	12	3	4	15	0
32,275	1977	12	3	4	30	0
32,276	1977	12	3	4	45	0
32,277	1977	12	3	5	0	0.0025
32,278	1977	12	3	5	15	0.0025
32,279	1977	12	3	5	30	0.0025
32,280	1977	12	3	5	45	0.0025
32,281	1977	12	3	6	0	0
32,282	1977	12	3	6	15	0
32,283	1977	12	3	6	30	0
32,284	1977	12	3	6	45	0
32,285	1977	12	3	7	0	0.005
32,286	1977	12	3	7	15	0.005
32,287	1977	12	3	7	30	0.005
32,288	1977	12	3	7	45	0.005
32,289	1977	12	3	8	0	0.0025
32,290	1977	12	3	8	15	0.0025
32,291	1977	12	3	8	30	0.0025
32,292	1977	12	3	8	45	0.0025

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
32,293	1977	12	3	9	0	0.0175
32,294	1977	12	3	9	15	0.0175
32,295	1977	12	3	9	30	0.0175
32,296	1977	12	3	9	45	0.0175
32,297	1977	12	3	10	0	0.02
32,298	1977	12	3	10	15	0.02
32,299	1977	12	3	10	30	0.02
32,300	1977	12	3	10	45	0.02
32,301	1977	12	3	11	0	0.005
32,302	1977	12	3	11	15	0.005
32,303	1977	12	3	11	30	0.005
32,304	1977	12	3	11	45	0.005
32,305	1977	12	3	12	0	0
32,306	1977	12	3	12	15	0
32,307	1977	12	3	12	30	0
32,308	1977	12	3	12	45	0
32,309	1977	12	3	13	0	0
32,310	1977	12	3	13	15	0
32,311	1977	12	3	13	30	0
32,312	1977	12	3	13	45	0
32,313	1977	12	3	14	0	0
32,314	1977	12	3	14	15	0
32,315	1977	12	3	14	30	0
32,316	1977	12	3	14	45	0
32,317	1977	12	3	15	0	0
32,318	1977	12	3	15	15	0
32,319	1977	12	3	15	30	0
32,320	1977	12	3	15	45	0
32,321	1977	12	3	16	0	0
32,322	1977	12	3	16	15	0
32,323	1977	12	3	16	30	0
32,324	1977	12	3	16	45	0
32,325	1977	12	3	17	0	0
32,326	1977	12	3	17	15	0
32,327	1977	12	3	17	30	0
32,328	1977	12	3	17	45	0
32,329	1977	12	3	18	0	0
32,330	1977	12	3	18	15	0
32,331	1977	12	3	18	30	0
32,332	1977	12	3	18	45	0
32,333	1977	12	3	19	0	0
32,334	1977	12	3	19	15	0
32,335	1977	12	3	19	30	0
32,336	1977	12	3	19	45	0
32,337	1977	12	3	20	0	0
32,338	1977	12	3	20	15	0
32,339	1977	12	3	20	30	0
32,340	1977	12	3	20	45	0
32,341	1977	12	3	21	0	0
32,342	1977	12	3	21	15	0
32,343	1977	12	3	21	30	0
32,344	1977	12	3	21	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
32,345	1977	12	3	22	0	0
32,346	1977	12	3	22	15	0
32,347	1977	12	3	22	30	0
32,348	1977	12	3	22	45	0
32,349	1977	12	3	23	0	0
32,350	1977	12	3	23	15	0
32,351	1977	12	3	23	30	0
32,352	1977	12	3	23	45	0
32,353	1977	12	4	0	0	0
32,354	1977	12	4	0	15	0
32,355	1977	12	4	0	30	0
32,356	1977	12	4	0	45	0
32,357	1977	12	4	1	0	0
32,358	1977	12	4	1	15	0
32,359	1977	12	4	1	30	0
32,360	1977	12	4	1	45	0
32,361	1977	12	4	2	0	0
32,362	1977	12	4	2	15	0
32,363	1977	12	4	2	30	0
32,364	1977	12	4	2	45	0
32,365	1977	12	4	3	0	0
32,366	1977	12	4	3	15	0
32,367	1977	12	4	3	30	0
32,368	1977	12	4	3	45	0
32,369	1977	12	4	4	0	0
32,370	1977	12	4	4	15	0
32,371	1977	12	4	4	30	0
32,372	1977	12	4	4	45	0
32,373	1977	12	4	5	0	0
32,374	1977	12	4	5	15	0
32,375	1977	12	4	5	30	0
32,376	1977	12	4	5	45	0
32,377	1977	12	4	6	0	0
32,378	1977	12	4	6	15	0
32,379	1977	12	4	6	30	0
32,380	1977	12	4	6	45	0
32,381	1977	12	4	7	0	0
32,382	1977	12	4	7	15	0
32,383	1977	12	4	7	30	0
32,384	1977	12	4	7	45	0
32,385	1977	12	4	8	0	0
32,386	1977	12	4	8	15	0
32,387	1977	12	4	8	30	0
32,388	1977	12	4	8	45	0
32,389	1977	12	4	9	0	0
32,390	1977	12	4	9	15	0
32,391	1977	12	4	9	30	0
32,392	1977	12	4	9	45	0
32,393	1977	12	4	10	0	0
32,394	1977	12	4	10	15	0
32,395	1977	12	4	10	30	0
32,396	1977	12	4	10	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
32,397	1977	12	4	11	0	0
32,398	1977	12	4	11	15	0
32,399	1977	12	4	11	30	0
32,400	1977	12	4	11	45	0
32,401	1977	12	4	12	0	0
32,402	1977	12	4	12	15	0
32,403	1977	12	4	12	30	0
32,404	1977	12	4	12	45	0
32,405	1977	12	4	13	0	0
32,406	1977	12	4	13	15	0
32,407	1977	12	4	13	30	0
32,408	1977	12	4	13	45	0
32,409	1977	12	4	14	0	0
32,410	1977	12	4	14	15	0
32,411	1977	12	4	14	30	0
32,412	1977	12	4	14	45	0
32,413	1977	12	4	15	0	0
32,414	1977	12	4	15	15	0
32,415	1977	12	4	15	30	0
32,416	1977	12	4	15	45	0
32,417	1977	12	4	16	0	0
32,418	1977	12	4	16	15	0
32,419	1977	12	4	16	30	0
32,420	1977	12	4	16	45	0
32,421	1977	12	4	17	0	0
32,422	1977	12	4	17	15	0
32,423	1977	12	4	17	30	0
32,424	1977	12	4	17	45	0
32,425	1977	12	4	18	0	0
32,426	1977	12	4	18	15	0
32,427	1977	12	4	18	30	0
32,428	1977	12	4	18	45	0
32,429	1977	12	4	19	0	0
32,430	1977	12	4	19	15	0
32,431	1977	12	4	19	30	0
32,432	1977	12	4	19	45	0
32,433	1977	12	4	20	0	0
32,434	1977	12	4	20	15	0
32,435	1977	12	4	20	30	0
32,436	1977	12	4	20	45	0
32,437	1977	12	4	21	0	0
32,438	1977	12	4	21	15	0
32,439	1977	12	4	21	30	0
32,440	1977	12	4	21	45	0
32,441	1977	12	4	22	0	0
32,442	1977	12	4	22	15	0
32,443	1977	12	4	22	30	0
32,444	1977	12	4	22	45	0
32,445	1977	12	4	23	0	0
32,446	1977	12	4	23	15	0
32,447	1977	12	4	23	30	0
32,448	1977	12	4	23	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
32,449	1977	12	5	0	0	0
32,450	1977	12	5	0	15	0
32,451	1977	12	5	0	30	0
32,452	1977	12	5	0	45	0
32,453	1977	12	5	1	0	0
32,454	1977	12	5	1	15	0
32,455	1977	12	5	1	30	0
32,456	1977	12	5	1	45	0
32,457	1977	12	5	2	0	0
32,458	1977	12	5	2	15	0
32,459	1977	12	5	2	30	0
32,460	1977	12	5	2	45	0
32,461	1977	12	5	3	0	0
32,462	1977	12	5	3	15	0
32,463	1977	12	5	3	30	0
32,464	1977	12	5	3	45	0
32,465	1977	12	5	4	0	0
32,466	1977	12	5	4	15	0
32,467	1977	12	5	4	30	0
32,468	1977	12	5	4	45	0
32,469	1977	12	5	5	0	0
32,470	1977	12	5	5	15	0
32,471	1977	12	5	5	30	0
32,472	1977	12	5	5	45	0
32,473	1977	12	5	6	0	0.0025
32,474	1977	12	5	6	15	0.0025
32,475	1977	12	5	6	30	0.0025
32,476	1977	12	5	6	45	0.0025
32,477	1977	12	5	7	0	0.0125
32,478	1977	12	5	7	15	0.0125
32,479	1977	12	5	7	30	0.0125
32,480	1977	12	5	7	45	0.0125
32,481	1977	12	5	8	0	0.01
32,482	1977	12	5	8	15	0.01
32,483	1977	12	5	8	30	0.01
32,484	1977	12	5	8	45	0.01
32,485	1977	12	5	9	0	0.0175
32,486	1977	12	5	9	15	0.0175
32,487	1977	12	5	9	30	0.0175
32,488	1977	12	5	9	45	0.0175
32,489	1977	12	5	10	0	0.02
32,490	1977	12	5	10	15	0.02
32,491	1977	12	5	10	30	0.02
32,492	1977	12	5	10	45	0.02
32,493	1977	12	5	11	0	0.01
32,494	1977	12	5	11	15	0.01
32,495	1977	12	5	11	30	0.01
32,496	1977	12	5	11	45	0.01
32,497	1977	12	5	12	0	0.005
32,498	1977	12	5	12	15	0.005
32,499	1977	12	5	12	30	0.005
32,500	1977	12	5	12	45	0.005

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
32,501	1977	12	5	13	0	0
32,502	1977	12	5	13	15	0
32,503	1977	12	5	13	30	0
32,504	1977	12	5	13	45	0
32,505	1977	12	5	14	0	0.0075
32,506	1977	12	5	14	15	0.0075
32,507	1977	12	5	14	30	0.0075
32,508	1977	12	5	14	45	0.0075
32,509	1977	12	5	15	0	0.045
32,510	1977	12	5	15	15	0.045
32,511	1977	12	5	15	30	0.045
32,512	1977	12	5	15	45	0.045
32,513	1977	12	5	16	0	0.0225
32,514	1977	12	5	16	15	0.0225
32,515	1977	12	5	16	30	0.0225
32,516	1977	12	5	16	45	0.0225
32,517	1977	12	5	17	0	0.01
32,518	1977	12	5	17	15	0.01
32,519	1977	12	5	17	30	0.01
32,520	1977	12	5	17	45	0.01
32,521	1977	12	5	18	0	0.01
32,522	1977	12	5	18	15	0.01
32,523	1977	12	5	18	30	0.01
32,524	1977	12	5	18	45	0.01
32,525	1977	12	5	19	0	0.01
32,526	1977	12	5	19	15	0.01
32,527	1977	12	5	19	30	0.01
32,528	1977	12	5	19	45	0.01
32,529	1977	12	5	20	0	0.0025
32,530	1977	12	5	20	15	0.0025
32,531	1977	12	5	20	30	0.0025
32,532	1977	12	5	20	45	0.0025
32,533	1977	12	5	21	0	0.0025
32,534	1977	12	5	21	15	0.0025
32,535	1977	12	5	21	30	0.0025
32,536	1977	12	5	21	45	0.0025
32,537	1977	12	5	22	0	0
32,538	1977	12	5	22	15	0
32,539	1977	12	5	22	30	0
32,540	1977	12	5	22	45	0
32,541	1977	12	5	23	0	0
32,542	1977	12	5	23	15	0
32,543	1977	12	5	23	30	0
32,544	1977	12	5	23	45	0
32,545	1977	12	6	0	0	0
32,546	1977	12	6	0	15	0
32,547	1977	12	6	0	30	0
32,548	1977	12	6	0	45	0
32,549	1977	12	6	1	0	0
32,550	1977	12	6	1	15	0
32,551	1977	12	6	1	30	0
32,552	1977	12	6	1	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
32,553	1977	12	6	2	0	0
32,554	1977	12	6	2	15	0
32,555	1977	12	6	2	30	0
32,556	1977	12	6	2	45	0
32,557	1977	12	6	3	0	0
32,558	1977	12	6	3	15	0
32,559	1977	12	6	3	30	0
32,560	1977	12	6	3	45	0
32,561	1977	12	6	4	0	0
32,562	1977	12	6	4	15	0
32,563	1977	12	6	4	30	0
32,564	1977	12	6	4	45	0
32,565	1977	12	6	5	0	0
32,566	1977	12	6	5	15	0
32,567	1977	12	6	5	30	0
32,568	1977	12	6	5	45	0
32,569	1977	12	6	6	0	0.0025
32,570	1977	12	6	6	15	0.0025
32,571	1977	12	6	6	30	0.0025
32,572	1977	12	6	6	45	0.0025
32,573	1977	12	6	7	0	0.0025
32,574	1977	12	6	7	15	0.0025
32,575	1977	12	6	7	30	0.0025
32,576	1977	12	6	7	45	0.0025
32,577	1977	12	6	8	0	0
32,578	1977	12	6	8	15	0
32,579	1977	12	6	8	30	0
32,580	1977	12	6	8	45	0
32,581	1977	12	6	9	0	0
32,582	1977	12	6	9	15	0
32,583	1977	12	6	9	30	0
32,584	1977	12	6	9	45	0
32,585	1977	12	6	10	0	0.01
32,586	1977	12	6	10	15	0.01
32,587	1977	12	6	10	30	0.01
32,588	1977	12	6	10	45	0.01
32,589	1977	12	6	11	0	0
32,590	1977	12	6	11	15	0
32,591	1977	12	6	11	30	0
32,592	1977	12	6	11	45	0
32,593	1977	12	6	12	0	0
32,594	1977	12	6	12	15	0
32,595	1977	12	6	12	30	0
32,596	1977	12	6	12	45	0
32,597	1977	12	6	13	0	0.0025
32,598	1977	12	6	13	15	0.0025
32,599	1977	12	6	13	30	0.0025
32,600	1977	12	6	13	45	0.0025
32,601	1977	12	6	14	0	0
32,602	1977	12	6	14	15	0
32,603	1977	12	6	14	30	0
32,604	1977	12	6	14	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
32,605	1977	12	6	15	0	0.0025
32,606	1977	12	6	15	15	0.0025
32,607	1977	12	6	15	30	0.0025
32,608	1977	12	6	15	45	0.0025
32,609	1977	12	6	16	0	0.0025
32,610	1977	12	6	16	15	0.0025
32,611	1977	12	6	16	30	0.0025
32,612	1977	12	6	16	45	0.0025
32,613	1977	12	6	17	0	0.005
32,614	1977	12	6	17	15	0.005
32,615	1977	12	6	17	30	0.005
32,616	1977	12	6	17	45	0.005
32,617	1977	12	6	18	0	0
32,618	1977	12	6	18	15	0
32,619	1977	12	6	18	30	0
32,620	1977	12	6	18	45	0
32,621	1977	12	6	19	0	0.005
32,622	1977	12	6	19	15	0.005
32,623	1977	12	6	19	30	0.005
32,624	1977	12	6	19	45	0.005
32,625	1977	12	6	20	0	0.005
32,626	1977	12	6	20	15	0.005
32,627	1977	12	6	20	30	0.005
32,628	1977	12	6	20	45	0.005
32,629	1977	12	6	21	0	0.0025
32,630	1977	12	6	21	15	0.0025
32,631	1977	12	6	21	30	0.0025
32,632	1977	12	6	21	45	0.0025
32,633	1977	12	6	22	0	0
32,634	1977	12	6	22	15	0
32,635	1977	12	6	22	30	0
32,636	1977	12	6	22	45	0
32,637	1977	12	6	23	0	0
32,638	1977	12	6	23	15	0
32,639	1977	12	6	23	30	0
32,640	1977	12	6	23	45	0
32,641	1977	12	7	0	0	0
32,642	1977	12	7	0	15	0
32,643	1977	12	7	0	30	0
32,644	1977	12	7	0	45	0
32,645	1977	12	7	1	0	0
32,646	1977	12	7	1	15	0
32,647	1977	12	7	1	30	0
32,648	1977	12	7	1	45	0
32,649	1977	12	7	2	0	0
32,650	1977	12	7	2	15	0
32,651	1977	12	7	2	30	0
32,652	1977	12	7	2	45	0
32,653	1977	12	7	3	0	0
32,654	1977	12	7	3	15	0
32,655	1977	12	7	3	30	0
32,656	1977	12	7	3	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
32,657	1977	12	7	4	0	0
32,658	1977	12	7	4	15	0
32,659	1977	12	7	4	30	0
32,660	1977	12	7	4	45	0
32,661	1977	12	7	5	0	0
32,662	1977	12	7	5	15	0
32,663	1977	12	7	5	30	0
32,664	1977	12	7	5	45	0
32,665	1977	12	7	6	0	0.0025
32,666	1977	12	7	6	15	0.0025
32,667	1977	12	7	6	30	0.0025
32,668	1977	12	7	6	45	0.0025
32,669	1977	12	7	7	0	0
32,670	1977	12	7	7	15	0
32,671	1977	12	7	7	30	0
32,672	1977	12	7	7	45	0
32,673	1977	12	7	8	0	0
32,674	1977	12	7	8	15	0
32,675	1977	12	7	8	30	0
32,676	1977	12	7	8	45	0
32,677	1977	12	7	9	0	0
32,678	1977	12	7	9	15	0
32,679	1977	12	7	9	30	0
32,680	1977	12	7	9	45	0
32,681	1977	12	7	10	0	0
32,682	1977	12	7	10	15	0
32,683	1977	12	7	10	30	0
32,684	1977	12	7	10	45	0
32,685	1977	12	7	11	0	0
32,686	1977	12	7	11	15	0
32,687	1977	12	7	11	30	0
32,688	1977	12	7	11	45	0
32,689	1977	12	7	12	0	0
32,690	1977	12	7	12	15	0
32,691	1977	12	7	12	30	0
32,692	1977	12	7	12	45	0
32,693	1977	12	7	13	0	0
32,694	1977	12	7	13	15	0
32,695	1977	12	7	13	30	0
32,696	1977	12	7	13	45	0
32,697	1977	12	7	14	0	0
32,698	1977	12	7	14	15	0
32,699	1977	12	7	14	30	0
32,700	1977	12	7	14	45	0
32,701	1977	12	7	15	0	0
32,702	1977	12	7	15	15	0
32,703	1977	12	7	15	30	0
32,704	1977	12	7	15	45	0
32,705	1977	12	7	16	0	0
32,706	1977	12	7	16	15	0
32,707	1977	12	7	16	30	0
32,708	1977	12	7	16	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
32,709	1977	12	7	17	0	0
32,710	1977	12	7	17	15	0
32,711	1977	12	7	17	30	0
32,712	1977	12	7	17	45	0
32,713	1977	12	7	18	0	0
32,714	1977	12	7	18	15	0
32,715	1977	12	7	18	30	0
32,716	1977	12	7	18	45	0
32,717	1977	12	7	19	0	0
32,718	1977	12	7	19	15	0
32,719	1977	12	7	19	30	0
32,720	1977	12	7	19	45	0
32,721	1977	12	7	20	0	0
32,722	1977	12	7	20	15	0
32,723	1977	12	7	20	30	0
32,724	1977	12	7	20	45	0
32,725	1977	12	7	21	0	0
32,726	1977	12	7	21	15	0
32,727	1977	12	7	21	30	0
32,728	1977	12	7	21	45	0
32,729	1977	12	7	22	0	0
32,730	1977	12	7	22	15	0
32,731	1977	12	7	22	30	0
32,732	1977	12	7	22	45	0
32,733	1977	12	7	23	0	0
32,734	1977	12	7	23	15	0
32,735	1977	12	7	23	30	0
32,736	1977	12	7	23	45	0
32,737	1977	12	8	0	0	0
32,738	1977	12	8	0	15	0
32,739	1977	12	8	0	30	0
32,740	1977	12	8	0	45	0
32,741	1977	12	8	1	0	0
32,742	1977	12	8	1	15	0
32,743	1977	12	8	1	30	0
32,744	1977	12	8	1	45	0
32,745	1977	12	8	2	0	0
32,746	1977	12	8	2	15	0
32,747	1977	12	8	2	30	0
32,748	1977	12	8	2	45	0
32,749	1977	12	8	3	0	0
32,750	1977	12	8	3	15	0
32,751	1977	12	8	3	30	0
32,752	1977	12	8	3	45	0
32,753	1977	12	8	4	0	0
32,754	1977	12	8	4	15	0
32,755	1977	12	8	4	30	0
32,756	1977	12	8	4	45	0
32,757	1977	12	8	5	0	0
32,758	1977	12	8	5	15	0
32,759	1977	12	8	5	30	0
32,760	1977	12	8	5	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
32,761	1977	12	8	6	0	0
32,762	1977	12	8	6	15	0
32,763	1977	12	8	6	30	0
32,764	1977	12	8	6	45	0
32,765	1977	12	8	7	0	0
32,766	1977	12	8	7	15	0
32,767	1977	12	8	7	30	0
32,768	1977	12	8	7	45	0
32,769	1977	12	8	8	0	0
32,770	1977	12	8	8	15	0
32,771	1977	12	8	8	30	0
32,772	1977	12	8	8	45	0
32,773	1977	12	8	9	0	0
32,774	1977	12	8	9	15	0
32,775	1977	12	8	9	30	0
32,776	1977	12	8	9	45	0
32,777	1977	12	8	10	0	0
32,778	1977	12	8	10	15	0
32,779	1977	12	8	10	30	0
32,780	1977	12	8	10	45	0
32,781	1977	12	8	11	0	0
32,782	1977	12	8	11	15	0
32,783	1977	12	8	11	30	0
32,784	1977	12	8	11	45	0
32,785	1977	12	8	12	0	0
32,786	1977	12	8	12	15	0
32,787	1977	12	8	12	30	0
32,788	1977	12	8	12	45	0
32,789	1977	12	8	13	0	0
32,790	1977	12	8	13	15	0
32,791	1977	12	8	13	30	0
32,792	1977	12	8	13	45	0
32,793	1977	12	8	14	0	0
32,794	1977	12	8	14	15	0
32,795	1977	12	8	14	30	0
32,796	1977	12	8	14	45	0
32,797	1977	12	8	15	0	0.0025
32,798	1977	12	8	15	15	0.0025
32,799	1977	12	8	15	30	0.0025
32,800	1977	12	8	15	45	0.0025
32,801	1977	12	8	16	0	0.0025
32,802	1977	12	8	16	15	0.0025
32,803	1977	12	8	16	30	0.0025
32,804	1977	12	8	16	45	0.0025
32,805	1977	12	8	17	0	0.005
32,806	1977	12	8	17	15	0.005
32,807	1977	12	8	17	30	0.005
32,808	1977	12	8	17	45	0.005
32,809	1977	12	8	18	0	0.005
32,810	1977	12	8	18	15	0.005
32,811	1977	12	8	18	30	0.005
32,812	1977	12	8	18	45	0.005

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
32,813	1977	12	8	19	0	0.01
32,814	1977	12	8	19	15	0.01
32,815	1977	12	8	19	30	0.01
32,816	1977	12	8	19	45	0.01
32,817	1977	12	8	20	0	0.005
32,818	1977	12	8	20	15	0.005
32,819	1977	12	8	20	30	0.005
32,820	1977	12	8	20	45	0.005
32,821	1977	12	8	21	0	0.005
32,822	1977	12	8	21	15	0.005
32,823	1977	12	8	21	30	0.005
32,824	1977	12	8	21	45	0.005
32,825	1977	12	8	22	0	0.0025
32,826	1977	12	8	22	15	0.0025
32,827	1977	12	8	22	30	0.0025
32,828	1977	12	8	22	45	0.0025
32,829	1977	12	8	23	0	0.0025
32,830	1977	12	8	23	15	0.0025
32,831	1977	12	8	23	30	0.0025
32,832	1977	12	8	23	45	0.0025
32,833	1977	12	9	0	0	0.0025
32,834	1977	12	9	0	15	0.0025
32,835	1977	12	9	0	30	0.0025
32,836	1977	12	9	0	45	0.0025
32,837	1977	12	9	1	0	0.0025
32,838	1977	12	9	1	15	0.0025
32,839	1977	12	9	1	30	0.0025
32,840	1977	12	9	1	45	0.0025
32,841	1977	12	9	2	0	0
32,842	1977	12	9	2	15	0
32,843	1977	12	9	2	30	0
32,844	1977	12	9	2	45	0
32,845	1977	12	9	3	0	0.0025
32,846	1977	12	9	3	15	0.0025
32,847	1977	12	9	3	30	0.0025
32,848	1977	12	9	3	45	0.0025
32,849	1977	12	9	4	0	0.01
32,850	1977	12	9	4	15	0.01
32,851	1977	12	9	4	30	0.01
32,852	1977	12	9	4	45	0.01
32,853	1977	12	9	5	0	0.005
32,854	1977	12	9	5	15	0.005
32,855	1977	12	9	5	30	0.005
32,856	1977	12	9	5	45	0.005
32,857	1977	12	9	6	0	0.005
32,858	1977	12	9	6	15	0.005
32,859	1977	12	9	6	30	0.005
32,860	1977	12	9	6	45	0.005
32,861	1977	12	9	7	0	0
32,862	1977	12	9	7	15	0
32,863	1977	12	9	7	30	0
32,864	1977	12	9	7	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
32,865	1977	12	9	8	0	0.005
32,866	1977	12	9	8	15	0.005
32,867	1977	12	9	8	30	0.005
32,868	1977	12	9	8	45	0.005
32,869	1977	12	9	9	0	0.005
32,870	1977	12	9	9	15	0.005
32,871	1977	12	9	9	30	0.005
32,872	1977	12	9	9	45	0.005
32,873	1977	12	9	10	0	0.0025
32,874	1977	12	9	10	15	0.0025
32,875	1977	12	9	10	30	0.0025
32,876	1977	12	9	10	45	0.0025
32,877	1977	12	9	11	0	0
32,878	1977	12	9	11	15	0
32,879	1977	12	9	11	30	0
32,880	1977	12	9	11	45	0
32,881	1977	12	9	12	0	0
32,882	1977	12	9	12	15	0
32,883	1977	12	9	12	30	0
32,884	1977	12	9	12	45	0
32,885	1977	12	9	13	0	0
32,886	1977	12	9	13	15	0
32,887	1977	12	9	13	30	0
32,888	1977	12	9	13	45	0
32,889	1977	12	9	14	0	0
32,890	1977	12	9	14	15	0
32,891	1977	12	9	14	30	0
32,892	1977	12	9	14	45	0
32,893	1977	12	9	15	0	0
32,894	1977	12	9	15	15	0
32,895	1977	12	9	15	30	0
32,896	1977	12	9	15	45	0
32,897	1977	12	9	16	0	0
32,898	1977	12	9	16	15	0
32,899	1977	12	9	16	30	0
32,900	1977	12	9	16	45	0
32,901	1977	12	9	17	0	0
32,902	1977	12	9	17	15	0
32,903	1977	12	9	17	30	0
32,904	1977	12	9	17	45	0
32,905	1977	12	9	18	0	0.0025
32,906	1977	12	9	18	15	0.0025
32,907	1977	12	9	18	30	0.0025
32,908	1977	12	9	18	45	0.0025
32,909	1977	12	9	19	0	0
32,910	1977	12	9	19	15	0
32,911	1977	12	9	19	30	0
32,912	1977	12	9	19	45	0
32,913	1977	12	9	20	0	0
32,914	1977	12	9	20	15	0
32,915	1977	12	9	20	30	0
32,916	1977	12	9	20	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
32,917	1977	12	9	21	0	0
32,918	1977	12	9	21	15	0
32,919	1977	12	9	21	30	0
32,920	1977	12	9	21	45	0
32,921	1977	12	9	22	0	0
32,922	1977	12	9	22	15	0
32,923	1977	12	9	22	30	0
32,924	1977	12	9	22	45	0
32,925	1977	12	9	23	0	0
32,926	1977	12	9	23	15	0
32,927	1977	12	9	23	30	0
32,928	1977	12	9	23	45	0
32,929	1977	12	10	0	0	0
32,930	1977	12	10	0	15	0
32,931	1977	12	10	0	30	0
32,932	1977	12	10	0	45	0
32,933	1977	12	10	1	0	0
32,934	1977	12	10	1	15	0
32,935	1977	12	10	1	30	0
32,936	1977	12	10	1	45	0
32,937	1977	12	10	2	0	0
32,938	1977	12	10	2	15	0
32,939	1977	12	10	2	30	0
32,940	1977	12	10	2	45	0
32,941	1977	12	10	3	0	0
32,942	1977	12	10	3	15	0
32,943	1977	12	10	3	30	0
32,944	1977	12	10	3	45	0
32,945	1977	12	10	4	0	0
32,946	1977	12	10	4	15	0
32,947	1977	12	10	4	30	0
32,948	1977	12	10	4	45	0
32,949	1977	12	10	5	0	0
32,950	1977	12	10	5	15	0
32,951	1977	12	10	5	30	0
32,952	1977	12	10	5	45	0
32,953	1977	12	10	6	0	0
32,954	1977	12	10	6	15	0
32,955	1977	12	10	6	30	0
32,956	1977	12	10	6	45	0
32,957	1977	12	10	7	0	0
32,958	1977	12	10	7	15	0
32,959	1977	12	10	7	30	0
32,960	1977	12	10	7	45	0
32,961	1977	12	10	8	0	0
32,962	1977	12	10	8	15	0
32,963	1977	12	10	8	30	0
32,964	1977	12	10	8	45	0
32,965	1977	12	10	9	0	0
32,966	1977	12	10	9	15	0
32,967	1977	12	10	9	30	0
32,968	1977	12	10	9	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
32,969	1977	12	10	10	0	0
32,970	1977	12	10	10	15	0
32,971	1977	12	10	10	30	0
32,972	1977	12	10	10	45	0
32,973	1977	12	10	11	0	0
32,974	1977	12	10	11	15	0
32,975	1977	12	10	11	30	0
32,976	1977	12	10	11	45	0
32,977	1977	12	10	12	0	0
32,978	1977	12	10	12	15	0
32,979	1977	12	10	12	30	0
32,980	1977	12	10	12	45	0
32,981	1977	12	10	13	0	0
32,982	1977	12	10	13	15	0
32,983	1977	12	10	13	30	0
32,984	1977	12	10	13	45	0
32,985	1977	12	10	14	0	0
32,986	1977	12	10	14	15	0
32,987	1977	12	10	14	30	0
32,988	1977	12	10	14	45	0
32,989	1977	12	10	15	0	0
32,990	1977	12	10	15	15	0
32,991	1977	12	10	15	30	0
32,992	1977	12	10	15	45	0
32,993	1977	12	10	16	0	0
32,994	1977	12	10	16	15	0
32,995	1977	12	10	16	30	0
32,996	1977	12	10	16	45	0
32,997	1977	12	10	17	0	0
32,998	1977	12	10	17	15	0
32,999	1977	12	10	17	30	0
33,000	1977	12	10	17	45	0
33,001	1977	12	10	18	0	0
33,002	1977	12	10	18	15	0
33,003	1977	12	10	18	30	0
33,004	1977	12	10	18	45	0
33,005	1977	12	10	19	0	0
33,006	1977	12	10	19	15	0
33,007	1977	12	10	19	30	0
33,008	1977	12	10	19	45	0
33,009	1977	12	10	20	0	0
33,010	1977	12	10	20	15	0
33,011	1977	12	10	20	30	0
33,012	1977	12	10	20	45	0
33,013	1977	12	10	21	0	0
33,014	1977	12	10	21	15	0
33,015	1977	12	10	21	30	0
33,016	1977	12	10	21	45	0
33,017	1977	12	10	22	0	0
33,018	1977	12	10	22	15	0
33,019	1977	12	10	22	30	0
33,020	1977	12	10	22	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
33,021	1977	12	10	23	0	0
33,022	1977	12	10	23	15	0
33,023	1977	12	10	23	30	0
33,024	1977	12	10	23	45	0
33,025	1977	12	11	0	0	0
33,026	1977	12	11	0	15	0
33,027	1977	12	11	0	30	0
33,028	1977	12	11	0	45	0
33,029	1977	12	11	1	0	0
33,030	1977	12	11	1	15	0
33,031	1977	12	11	1	30	0
33,032	1977	12	11	1	45	0
33,033	1977	12	11	2	0	0
33,034	1977	12	11	2	15	0
33,035	1977	12	11	2	30	0
33,036	1977	12	11	2	45	0
33,037	1977	12	11	3	0	0
33,038	1977	12	11	3	15	0
33,039	1977	12	11	3	30	0
33,040	1977	12	11	3	45	0
33,041	1977	12	11	4	0	0
33,042	1977	12	11	4	15	0
33,043	1977	12	11	4	30	0
33,044	1977	12	11	4	45	0
33,045	1977	12	11	5	0	0
33,046	1977	12	11	5	15	0
33,047	1977	12	11	5	30	0
33,048	1977	12	11	5	45	0
33,049	1977	12	11	6	0	0
33,050	1977	12	11	6	15	0
33,051	1977	12	11	6	30	0
33,052	1977	12	11	6	45	0
33,053	1977	12	11	7	0	0
33,054	1977	12	11	7	15	0
33,055	1977	12	11	7	30	0
33,056	1977	12	11	7	45	0
33,057	1977	12	11	8	0	0
33,058	1977	12	11	8	15	0
33,059	1977	12	11	8	30	0
33,060	1977	12	11	8	45	0
33,061	1977	12	11	9	0	0
33,062	1977	12	11	9	15	0
33,063	1977	12	11	9	30	0
33,064	1977	12	11	9	45	0
33,065	1977	12	11	10	0	0
33,066	1977	12	11	10	15	0
33,067	1977	12	11	10	30	0
33,068	1977	12	11	10	45	0
33,069	1977	12	11	11	0	0
33,070	1977	12	11	11	15	0
33,071	1977	12	11	11	30	0
33,072	1977	12	11	11	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
33,073	1977	12	11	12	0	0
33,074	1977	12	11	12	15	0
33,075	1977	12	11	12	30	0
33,076	1977	12	11	12	45	0
33,077	1977	12	11	13	0	0
33,078	1977	12	11	13	15	0
33,079	1977	12	11	13	30	0
33,080	1977	12	11	13	45	0
33,081	1977	12	11	14	0	0
33,082	1977	12	11	14	15	0
33,083	1977	12	11	14	30	0
33,084	1977	12	11	14	45	0
33,085	1977	12	11	15	0	0
33,086	1977	12	11	15	15	0
33,087	1977	12	11	15	30	0
33,088	1977	12	11	15	45	0
33,089	1977	12	11	16	0	0
33,090	1977	12	11	16	15	0
33,091	1977	12	11	16	30	0
33,092	1977	12	11	16	45	0
33,093	1977	12	11	17	0	0
33,094	1977	12	11	17	15	0
33,095	1977	12	11	17	30	0
33,096	1977	12	11	17	45	0
33,097	1977	12	11	18	0	0
33,098	1977	12	11	18	15	0
33,099	1977	12	11	18	30	0
33,100	1977	12	11	18	45	0
33,101	1977	12	11	19	0	0
33,102	1977	12	11	19	15	0
33,103	1977	12	11	19	30	0
33,104	1977	12	11	19	45	0
33,105	1977	12	11	20	0	0
33,106	1977	12	11	20	15	0
33,107	1977	12	11	20	30	0
33,108	1977	12	11	20	45	0
33,109	1977	12	11	21	0	0
33,110	1977	12	11	21	15	0
33,111	1977	12	11	21	30	0
33,112	1977	12	11	21	45	0
33,113	1977	12	11	22	0	0
33,114	1977	12	11	22	15	0
33,115	1977	12	11	22	30	0
33,116	1977	12	11	22	45	0
33,117	1977	12	11	23	0	0
33,118	1977	12	11	23	15	0
33,119	1977	12	11	23	30	0
33,120	1977	12	11	23	45	0
33,121	1977	12	12	0	0	0
33,122	1977	12	12	0	15	0
33,123	1977	12	12	0	30	0
33,124	1977	12	12	0	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
33,125	1977	12	12	1	0	0
33,126	1977	12	12	1	15	0
33,127	1977	12	12	1	30	0
33,128	1977	12	12	1	45	0
33,129	1977	12	12	2	0	0
33,130	1977	12	12	2	15	0
33,131	1977	12	12	2	30	0
33,132	1977	12	12	2	45	0
33,133	1977	12	12	3	0	0
33,134	1977	12	12	3	15	0
33,135	1977	12	12	3	30	0
33,136	1977	12	12	3	45	0
33,137	1977	12	12	4	0	0
33,138	1977	12	12	4	15	0
33,139	1977	12	12	4	30	0
33,140	1977	12	12	4	45	0
33,141	1977	12	12	5	0	0
33,142	1977	12	12	5	15	0
33,143	1977	12	12	5	30	0
33,144	1977	12	12	5	45	0
33,145	1977	12	12	6	0	0
33,146	1977	12	12	6	15	0
33,147	1977	12	12	6	30	0
33,148	1977	12	12	6	45	0
33,149	1977	12	12	7	0	0
33,150	1977	12	12	7	15	0
33,151	1977	12	12	7	30	0
33,152	1977	12	12	7	45	0
33,153	1977	12	12	8	0	0
33,154	1977	12	12	8	15	0
33,155	1977	12	12	8	30	0
33,156	1977	12	12	8	45	0
33,157	1977	12	12	9	0	0
33,158	1977	12	12	9	15	0
33,159	1977	12	12	9	30	0
33,160	1977	12	12	9	45	0
33,161	1977	12	12	10	0	0
33,162	1977	12	12	10	15	0
33,163	1977	12	12	10	30	0
33,164	1977	12	12	10	45	0
33,165	1977	12	12	11	0	0
33,166	1977	12	12	11	15	0
33,167	1977	12	12	11	30	0
33,168	1977	12	12	11	45	0
33,169	1977	12	12	12	0	0
33,170	1977	12	12	12	15	0
33,171	1977	12	12	12	30	0
33,172	1977	12	12	12	45	0
33,173	1977	12	12	13	0	0
33,174	1977	12	12	13	15	0
33,175	1977	12	12	13	30	0
33,176	1977	12	12	13	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
33,177	1977	12	12	14	0	0
33,178	1977	12	12	14	15	0
33,179	1977	12	12	14	30	0
33,180	1977	12	12	14	45	0
33,181	1977	12	12	15	0	0
33,182	1977	12	12	15	15	0
33,183	1977	12	12	15	30	0
33,184	1977	12	12	15	45	0
33,185	1977	12	12	16	0	0
33,186	1977	12	12	16	15	0
33,187	1977	12	12	16	30	0
33,188	1977	12	12	16	45	0
33,189	1977	12	12	17	0	0
33,190	1977	12	12	17	15	0
33,191	1977	12	12	17	30	0
33,192	1977	12	12	17	45	0
33,193	1977	12	12	18	0	0.0025
33,194	1977	12	12	18	15	0.0025
33,195	1977	12	12	18	30	0.0025
33,196	1977	12	12	18	45	0.0025
33,197	1977	12	12	19	0	0.0025
33,198	1977	12	12	19	15	0.0025
33,199	1977	12	12	19	30	0.0025
33,200	1977	12	12	19	45	0.0025
33,201	1977	12	12	20	0	0.0025
33,202	1977	12	12	20	15	0.0025
33,203	1977	12	12	20	30	0.0025
33,204	1977	12	12	20	45	0.0025
33,205	1977	12	12	21	0	0
33,206	1977	12	12	21	15	0
33,207	1977	12	12	21	30	0
33,208	1977	12	12	21	45	0
33,209	1977	12	12	22	0	0
33,210	1977	12	12	22	15	0
33,211	1977	12	12	22	30	0
33,212	1977	12	12	22	45	0
33,213	1977	12	12	23	0	0
33,214	1977	12	12	23	15	0
33,215	1977	12	12	23	30	0
33,216	1977	12	12	23	45	0
33,217	1977	12	13	0	0	0
33,218	1977	12	13	0	15	0
33,219	1977	12	13	0	30	0
33,220	1977	12	13	0	45	0
33,221	1977	12	13	1	0	0
33,222	1977	12	13	1	15	0
33,223	1977	12	13	1	30	0
33,224	1977	12	13	1	45	0
33,225	1977	12	13	2	0	0
33,226	1977	12	13	2	15	0
33,227	1977	12	13	2	30	0
33,228	1977	12	13	2	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
33,229	1977	12	13	3	0	0
33,230	1977	12	13	3	15	0
33,231	1977	12	13	3	30	0
33,232	1977	12	13	3	45	0
33,233	1977	12	13	4	0	0
33,234	1977	12	13	4	15	0
33,235	1977	12	13	4	30	0
33,236	1977	12	13	4	45	0
33,237	1977	12	13	5	0	0
33,238	1977	12	13	5	15	0
33,239	1977	12	13	5	30	0
33,240	1977	12	13	5	45	0
33,241	1977	12	13	6	0	0
33,242	1977	12	13	6	15	0
33,243	1977	12	13	6	30	0
33,244	1977	12	13	6	45	0
33,245	1977	12	13	7	0	0
33,246	1977	12	13	7	15	0
33,247	1977	12	13	7	30	0
33,248	1977	12	13	7	45	0
33,249	1977	12	13	8	0	0
33,250	1977	12	13	8	15	0
33,251	1977	12	13	8	30	0
33,252	1977	12	13	8	45	0
33,253	1977	12	13	9	0	0
33,254	1977	12	13	9	15	0
33,255	1977	12	13	9	30	0
33,256	1977	12	13	9	45	0
33,257	1977	12	13	10	0	0
33,258	1977	12	13	10	15	0
33,259	1977	12	13	10	30	0
33,260	1977	12	13	10	45	0
33,261	1977	12	13	11	0	0
33,262	1977	12	13	11	15	0
33,263	1977	12	13	11	30	0
33,264	1977	12	13	11	45	0
33,265	1977	12	13	12	0	0
33,266	1977	12	13	12	15	0
33,267	1977	12	13	12	30	0
33,268	1977	12	13	12	45	0
33,269	1977	12	13	13	0	0
33,270	1977	12	13	13	15	0
33,271	1977	12	13	13	30	0
33,272	1977	12	13	13	45	0
33,273	1977	12	13	14	0	0
33,274	1977	12	13	14	15	0
33,275	1977	12	13	14	30	0
33,276	1977	12	13	14	45	0
33,277	1977	12	13	15	0	0
33,278	1977	12	13	15	15	0
33,279	1977	12	13	15	30	0
33,280	1977	12	13	15	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
33,281	1977	12	13	16	0	0
33,282	1977	12	13	16	15	0
33,283	1977	12	13	16	30	0
33,284	1977	12	13	16	45	0
33,285	1977	12	13	17	0	0.0025
33,286	1977	12	13	17	15	0.0025
33,287	1977	12	13	17	30	0.0025
33,288	1977	12	13	17	45	0.0025
33,289	1977	12	13	18	0	0.0025
33,290	1977	12	13	18	15	0.0025
33,291	1977	12	13	18	30	0.0025
33,292	1977	12	13	18	45	0.0025
33,293	1977	12	13	19	0	0.005
33,294	1977	12	13	19	15	0.005
33,295	1977	12	13	19	30	0.005
33,296	1977	12	13	19	45	0.005
33,297	1977	12	13	20	0	0.01
33,298	1977	12	13	20	15	0.01
33,299	1977	12	13	20	30	0.01
33,300	1977	12	13	20	45	0.01
33,301	1977	12	13	21	0	0.0075
33,302	1977	12	13	21	15	0.0075
33,303	1977	12	13	21	30	0.0075
33,304	1977	12	13	21	45	0.0075
33,305	1977	12	13	22	0	0.02
33,306	1977	12	13	22	15	0.02
33,307	1977	12	13	22	30	0.02
33,308	1977	12	13	22	45	0.02
33,309	1977	12	13	23	0	0.03
33,310	1977	12	13	23	15	0.03
33,311	1977	12	13	23	30	0.03
33,312	1977	12	13	23	45	0.03
33,313	1977	12	14	0	0	0.01
33,314	1977	12	14	0	15	0.01
33,315	1977	12	14	0	30	0.01
33,316	1977	12	14	0	45	0.01
33,317	1977	12	14	1	0	0.0375
33,318	1977	12	14	1	15	0.0375
33,319	1977	12	14	1	30	0.0375
33,320	1977	12	14	1	45	0.0375
33,321	1977	12	14	2	0	0.03
33,322	1977	12	14	2	15	0.03
33,323	1977	12	14	2	30	0.03
33,324	1977	12	14	2	45	0.03
33,325	1977	12	14	3	0	0.025
33,326	1977	12	14	3	15	0.025
33,327	1977	12	14	3	30	0.025
33,328	1977	12	14	3	45	0.025
33,329	1977	12	14	4	0	0.03
33,330	1977	12	14	4	15	0.03
33,331	1977	12	14	4	30	0.03
33,332	1977	12	14	4	45	0.03

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
33,333	1977	12	14	5	0	0.035
33,334	1977	12	14	5	15	0.035
33,335	1977	12	14	5	30	0.035
33,336	1977	12	14	5	45	0.035
33,337	1977	12	14	6	0	0.01
33,338	1977	12	14	6	15	0.01
33,339	1977	12	14	6	30	0.01
33,340	1977	12	14	6	45	0.01
33,341	1977	12	14	7	0	0.015
33,342	1977	12	14	7	15	0.015
33,343	1977	12	14	7	30	0.015
33,344	1977	12	14	7	45	0.015
33,345	1977	12	14	8	0	0.005
33,346	1977	12	14	8	15	0.005
33,347	1977	12	14	8	30	0.005
33,348	1977	12	14	8	45	0.005
33,349	1977	12	14	9	0	0.005
33,350	1977	12	14	9	15	0.005
33,351	1977	12	14	9	30	0.005
33,352	1977	12	14	9	45	0.005
33,353	1977	12	14	10	0	0.0125
33,354	1977	12	14	10	15	0.0125
33,355	1977	12	14	10	30	0.0125
33,356	1977	12	14	10	45	0.0125
33,357	1977	12	14	11	0	0
33,358	1977	12	14	11	15	0
33,359	1977	12	14	11	30	0
33,360	1977	12	14	11	45	0
33,361	1977	12	14	12	0	0.005
33,362	1977	12	14	12	15	0.005
33,363	1977	12	14	12	30	0.005
33,364	1977	12	14	12	45	0.005
33,365	1977	12	14	13	0	0.005
33,366	1977	12	14	13	15	0.005
33,367	1977	12	14	13	30	0.005
33,368	1977	12	14	13	45	0.005
33,369	1977	12	14	14	0	0.0175
33,370	1977	12	14	14	15	0.0175
33,371	1977	12	14	14	30	0.0175
33,372	1977	12	14	14	45	0.0175
33,373	1977	12	14	15	0	0.015
33,374	1977	12	14	15	15	0.015
33,375	1977	12	14	15	30	0.015
33,376	1977	12	14	15	45	0.015
33,377	1977	12	14	16	0	0.0025
33,378	1977	12	14	16	15	0.0025
33,379	1977	12	14	16	30	0.0025
33,380	1977	12	14	16	45	0.0025
33,381	1977	12	14	17	0	0.01
33,382	1977	12	14	17	15	0.01
33,383	1977	12	14	17	30	0.01
33,384	1977	12	14	17	45	0.01

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
33,385	1977	12	14	18	0	0.01
33,386	1977	12	14	18	15	0.01
33,387	1977	12	14	18	30	0.01
33,388	1977	12	14	18	45	0.01
33,389	1977	12	14	19	0	0.005
33,390	1977	12	14	19	15	0.005
33,391	1977	12	14	19	30	0.005
33,392	1977	12	14	19	45	0.005
33,393	1977	12	14	20	0	0
33,394	1977	12	14	20	15	0
33,395	1977	12	14	20	30	0
33,396	1977	12	14	20	45	0
33,397	1977	12	14	21	0	0
33,398	1977	12	14	21	15	0
33,399	1977	12	14	21	30	0
33,400	1977	12	14	21	45	0
33,401	1977	12	14	22	0	0.0025
33,402	1977	12	14	22	15	0.0025
33,403	1977	12	14	22	30	0.0025
33,404	1977	12	14	22	45	0.0025
33,405	1977	12	14	23	0	0
33,406	1977	12	14	23	15	0
33,407	1977	12	14	23	30	0
33,408	1977	12	14	23	45	0
33,409	1977	12	15	0	0	0
33,410	1977	12	15	0	15	0
33,411	1977	12	15	0	30	0
33,412	1977	12	15	0	45	0
33,413	1977	12	15	1	0	0
33,414	1977	12	15	1	15	0
33,415	1977	12	15	1	30	0
33,416	1977	12	15	1	45	0
33,417	1977	12	15	2	0	0
33,418	1977	12	15	2	15	0
33,419	1977	12	15	2	30	0
33,420	1977	12	15	2	45	0
33,421	1977	12	15	3	0	0
33,422	1977	12	15	3	15	0
33,423	1977	12	15	3	30	0
33,424	1977	12	15	3	45	0
33,425	1977	12	15	4	0	0
33,426	1977	12	15	4	15	0
33,427	1977	12	15	4	30	0
33,428	1977	12	15	4	45	0
33,429	1977	12	15	5	0	0
33,430	1977	12	15	5	15	0
33,431	1977	12	15	5	30	0
33,432	1977	12	15	5	45	0
33,433	1977	12	15	6	0	0
33,434	1977	12	15	6	15	0
33,435	1977	12	15	6	30	0
33,436	1977	12	15	6	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
33,437	1977	12	15	7	0	0.0025
33,438	1977	12	15	7	15	0.0025
33,439	1977	12	15	7	30	0.0025
33,440	1977	12	15	7	45	0.0025
33,441	1977	12	15	8	0	0
33,442	1977	12	15	8	15	0
33,443	1977	12	15	8	30	0
33,444	1977	12	15	8	45	0
33,445	1977	12	15	9	0	0
33,446	1977	12	15	9	15	0
33,447	1977	12	15	9	30	0
33,448	1977	12	15	9	45	0
33,449	1977	12	15	10	0	0
33,450	1977	12	15	10	15	0
33,451	1977	12	15	10	30	0
33,452	1977	12	15	10	45	0
33,453	1977	12	15	11	0	0
33,454	1977	12	15	11	15	0
33,455	1977	12	15	11	30	0
33,456	1977	12	15	11	45	0
33,457	1977	12	15	12	0	0
33,458	1977	12	15	12	15	0
33,459	1977	12	15	12	30	0
33,460	1977	12	15	12	45	0
33,461	1977	12	15	13	0	0
33,462	1977	12	15	13	15	0
33,463	1977	12	15	13	30	0
33,464	1977	12	15	13	45	0
33,465	1977	12	15	14	0	0
33,466	1977	12	15	14	15	0
33,467	1977	12	15	14	30	0
33,468	1977	12	15	14	45	0
33,469	1977	12	15	15	0	0
33,470	1977	12	15	15	15	0
33,471	1977	12	15	15	30	0
33,472	1977	12	15	15	45	0
33,473	1977	12	15	16	0	0
33,474	1977	12	15	16	15	0
33,475	1977	12	15	16	30	0
33,476	1977	12	15	16	45	0
33,477	1977	12	15	17	0	0
33,478	1977	12	15	17	15	0
33,479	1977	12	15	17	30	0
33,480	1977	12	15	17	45	0
33,481	1977	12	15	18	0	0
33,482	1977	12	15	18	15	0
33,483	1977	12	15	18	30	0
33,484	1977	12	15	18	45	0
33,485	1977	12	15	19	0	0
33,486	1977	12	15	19	15	0
33,487	1977	12	15	19	30	0
33,488	1977	12	15	19	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
33,489	1977	12	15	20	0	0
33,490	1977	12	15	20	15	0
33,491	1977	12	15	20	30	0
33,492	1977	12	15	20	45	0
33,493	1977	12	15	21	0	0
33,494	1977	12	15	21	15	0
33,495	1977	12	15	21	30	0
33,496	1977	12	15	21	45	0
33,497	1977	12	15	22	0	0
33,498	1977	12	15	22	15	0
33,499	1977	12	15	22	30	0
33,500	1977	12	15	22	45	0
33,501	1977	12	15	23	0	0
33,502	1977	12	15	23	15	0
33,503	1977	12	15	23	30	0
33,504	1977	12	15	23	45	0
33,505	1977	12	16	0	0	0
33,506	1977	12	16	0	15	0
33,507	1977	12	16	0	30	0
33,508	1977	12	16	0	45	0
33,509	1977	12	16	1	0	0
33,510	1977	12	16	1	15	0
33,511	1977	12	16	1	30	0
33,512	1977	12	16	1	45	0
33,513	1977	12	16	2	0	0
33,514	1977	12	16	2	15	0
33,515	1977	12	16	2	30	0
33,516	1977	12	16	2	45	0
33,517	1977	12	16	3	0	0
33,518	1977	12	16	3	15	0
33,519	1977	12	16	3	30	0
33,520	1977	12	16	3	45	0
33,521	1977	12	16	4	0	0
33,522	1977	12	16	4	15	0
33,523	1977	12	16	4	30	0
33,524	1977	12	16	4	45	0
33,525	1977	12	16	5	0	0
33,526	1977	12	16	5	15	0
33,527	1977	12	16	5	30	0
33,528	1977	12	16	5	45	0
33,529	1977	12	16	6	0	0
33,530	1977	12	16	6	15	0
33,531	1977	12	16	6	30	0
33,532	1977	12	16	6	45	0
33,533	1977	12	16	7	0	0
33,534	1977	12	16	7	15	0
33,535	1977	12	16	7	30	0
33,536	1977	12	16	7	45	0
33,537	1977	12	16	8	0	0
33,538	1977	12	16	8	15	0
33,539	1977	12	16	8	30	0
33,540	1977	12	16	8	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
33,541	1977	12	16	9	0	0
33,542	1977	12	16	9	15	0
33,543	1977	12	16	9	30	0
33,544	1977	12	16	9	45	0
33,545	1977	12	16	10	0	0
33,546	1977	12	16	10	15	0
33,547	1977	12	16	10	30	0
33,548	1977	12	16	10	45	0
33,549	1977	12	16	11	0	0
33,550	1977	12	16	11	15	0
33,551	1977	12	16	11	30	0
33,552	1977	12	16	11	45	0
33,553	1977	12	16	12	0	0
33,554	1977	12	16	12	15	0
33,555	1977	12	16	12	30	0
33,556	1977	12	16	12	45	0
33,557	1977	12	16	13	0	0
33,558	1977	12	16	13	15	0
33,559	1977	12	16	13	30	0
33,560	1977	12	16	13	45	0
33,561	1977	12	16	14	0	0
33,562	1977	12	16	14	15	0
33,563	1977	12	16	14	30	0
33,564	1977	12	16	14	45	0
33,565	1977	12	16	15	0	0
33,566	1977	12	16	15	15	0
33,567	1977	12	16	15	30	0
33,568	1977	12	16	15	45	0
33,569	1977	12	16	16	0	0
33,570	1977	12	16	16	15	0
33,571	1977	12	16	16	30	0
33,572	1977	12	16	16	45	0
33,573	1977	12	16	17	0	0
33,574	1977	12	16	17	15	0
33,575	1977	12	16	17	30	0
33,576	1977	12	16	17	45	0
33,577	1977	12	16	18	0	0
33,578	1977	12	16	18	15	0
33,579	1977	12	16	18	30	0
33,580	1977	12	16	18	45	0
33,581	1977	12	16	19	0	0
33,582	1977	12	16	19	15	0
33,583	1977	12	16	19	30	0
33,584	1977	12	16	19	45	0
33,585	1977	12	16	20	0	0
33,586	1977	12	16	20	15	0
33,587	1977	12	16	20	30	0
33,588	1977	12	16	20	45	0
33,589	1977	12	16	21	0	0
33,590	1977	12	16	21	15	0
33,591	1977	12	16	21	30	0
33,592	1977	12	16	21	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
33,593	1977	12	16	22	0	0
33,594	1977	12	16	22	15	0
33,595	1977	12	16	22	30	0
33,596	1977	12	16	22	45	0
33,597	1977	12	16	23	0	0
33,598	1977	12	16	23	15	0
33,599	1977	12	16	23	30	0
33,600	1977	12	16	23	45	0
33,601	1977	12	17	0	0	0
33,602	1977	12	17	0	15	0
33,603	1977	12	17	0	30	0
33,604	1977	12	17	0	45	0
33,605	1977	12	17	1	0	0
33,606	1977	12	17	1	15	0
33,607	1977	12	17	1	30	0
33,608	1977	12	17	1	45	0
33,609	1977	12	17	2	0	0
33,610	1977	12	17	2	15	0
33,611	1977	12	17	2	30	0
33,612	1977	12	17	2	45	0
33,613	1977	12	17	3	0	0
33,614	1977	12	17	3	15	0
33,615	1977	12	17	3	30	0
33,616	1977	12	17	3	45	0
33,617	1977	12	17	4	0	0
33,618	1977	12	17	4	15	0
33,619	1977	12	17	4	30	0
33,620	1977	12	17	4	45	0
33,621	1977	12	17	5	0	0
33,622	1977	12	17	5	15	0
33,623	1977	12	17	5	30	0
33,624	1977	12	17	5	45	0
33,625	1977	12	17	6	0	0
33,626	1977	12	17	6	15	0
33,627	1977	12	17	6	30	0
33,628	1977	12	17	6	45	0
33,629	1977	12	17	7	0	0
33,630	1977	12	17	7	15	0
33,631	1977	12	17	7	30	0
33,632	1977	12	17	7	45	0
33,633	1977	12	17	8	0	0
33,634	1977	12	17	8	15	0
33,635	1977	12	17	8	30	0
33,636	1977	12	17	8	45	0
33,637	1977	12	17	9	0	0
33,638	1977	12	17	9	15	0
33,639	1977	12	17	9	30	0
33,640	1977	12	17	9	45	0
33,641	1977	12	17	10	0	0
33,642	1977	12	17	10	15	0
33,643	1977	12	17	10	30	0
33,644	1977	12	17	10	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
33,645	1977	12	17	11	0	0
33,646	1977	12	17	11	15	0
33,647	1977	12	17	11	30	0
33,648	1977	12	17	11	45	0
33,649	1977	12	17	12	0	0
33,650	1977	12	17	12	15	0
33,651	1977	12	17	12	30	0
33,652	1977	12	17	12	45	0
33,653	1977	12	17	13	0	0
33,654	1977	12	17	13	15	0
33,655	1977	12	17	13	30	0
33,656	1977	12	17	13	45	0
33,657	1977	12	17	14	0	0
33,658	1977	12	17	14	15	0
33,659	1977	12	17	14	30	0
33,660	1977	12	17	14	45	0
33,661	1977	12	17	15	0	0
33,662	1977	12	17	15	15	0
33,663	1977	12	17	15	30	0
33,664	1977	12	17	15	45	0
33,665	1977	12	17	16	0	0
33,666	1977	12	17	16	15	0
33,667	1977	12	17	16	30	0
33,668	1977	12	17	16	45	0
33,669	1977	12	17	17	0	0
33,670	1977	12	17	17	15	0
33,671	1977	12	17	17	30	0
33,672	1977	12	17	17	45	0
33,673	1977	12	17	18	0	0
33,674	1977	12	17	18	15	0
33,675	1977	12	17	18	30	0
33,676	1977	12	17	18	45	0
33,677	1977	12	17	19	0	0
33,678	1977	12	17	19	15	0
33,679	1977	12	17	19	30	0
33,680	1977	12	17	19	45	0
33,681	1977	12	17	20	0	0
33,682	1977	12	17	20	15	0
33,683	1977	12	17	20	30	0
33,684	1977	12	17	20	45	0
33,685	1977	12	17	21	0	0
33,686	1977	12	17	21	15	0
33,687	1977	12	17	21	30	0
33,688	1977	12	17	21	45	0
33,689	1977	12	17	22	0	0
33,690	1977	12	17	22	15	0
33,691	1977	12	17	22	30	0
33,692	1977	12	17	22	45	0
33,693	1977	12	17	23	0	0
33,694	1977	12	17	23	15	0
33,695	1977	12	17	23	30	0
33,696	1977	12	17	23	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
33,697	1977	12	18	0	0	0
33,698	1977	12	18	0	15	0
33,699	1977	12	18	0	30	0
33,700	1977	12	18	0	45	0
33,701	1977	12	18	1	0	0
33,702	1977	12	18	1	15	0
33,703	1977	12	18	1	30	0
33,704	1977	12	18	1	45	0
33,705	1977	12	18	2	0	0
33,706	1977	12	18	2	15	0
33,707	1977	12	18	2	30	0
33,708	1977	12	18	2	45	0
33,709	1977	12	18	3	0	0
33,710	1977	12	18	3	15	0
33,711	1977	12	18	3	30	0
33,712	1977	12	18	3	45	0
33,713	1977	12	18	4	0	0
33,714	1977	12	18	4	15	0
33,715	1977	12	18	4	30	0
33,716	1977	12	18	4	45	0
33,717	1977	12	18	5	0	0
33,718	1977	12	18	5	15	0
33,719	1977	12	18	5	30	0
33,720	1977	12	18	5	45	0
33,721	1977	12	18	6	0	0
33,722	1977	12	18	6	15	0
33,723	1977	12	18	6	30	0
33,724	1977	12	18	6	45	0
33,725	1977	12	18	7	0	0
33,726	1977	12	18	7	15	0
33,727	1977	12	18	7	30	0
33,728	1977	12	18	7	45	0
33,729	1977	12	18	8	0	0
33,730	1977	12	18	8	15	0
33,731	1977	12	18	8	30	0
33,732	1977	12	18	8	45	0
33,733	1977	12	18	9	0	0
33,734	1977	12	18	9	15	0
33,735	1977	12	18	9	30	0
33,736	1977	12	18	9	45	0
33,737	1977	12	18	10	0	0
33,738	1977	12	18	10	15	0
33,739	1977	12	18	10	30	0
33,740	1977	12	18	10	45	0
33,741	1977	12	18	11	0	0
33,742	1977	12	18	11	15	0
33,743	1977	12	18	11	30	0
33,744	1977	12	18	11	45	0
33,745	1977	12	18	12	0	0
33,746	1977	12	18	12	15	0
33,747	1977	12	18	12	30	0
33,748	1977	12	18	12	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
33,749	1977	12	18	13	0	0
33,750	1977	12	18	13	15	0
33,751	1977	12	18	13	30	0
33,752	1977	12	18	13	45	0
33,753	1977	12	18	14	0	0
33,754	1977	12	18	14	15	0
33,755	1977	12	18	14	30	0
33,756	1977	12	18	14	45	0
33,757	1977	12	18	15	0	0
33,758	1977	12	18	15	15	0
33,759	1977	12	18	15	30	0
33,760	1977	12	18	15	45	0
33,761	1977	12	18	16	0	0
33,762	1977	12	18	16	15	0
33,763	1977	12	18	16	30	0
33,764	1977	12	18	16	45	0
33,765	1977	12	18	17	0	0
33,766	1977	12	18	17	15	0
33,767	1977	12	18	17	30	0
33,768	1977	12	18	17	45	0
33,769	1977	12	18	18	0	0
33,770	1977	12	18	18	15	0
33,771	1977	12	18	18	30	0
33,772	1977	12	18	18	45	0
33,773	1977	12	18	19	0	0
33,774	1977	12	18	19	15	0
33,775	1977	12	18	19	30	0
33,776	1977	12	18	19	45	0
33,777	1977	12	18	20	0	0
33,778	1977	12	18	20	15	0
33,779	1977	12	18	20	30	0
33,780	1977	12	18	20	45	0
33,781	1977	12	18	21	0	0.0025
33,782	1977	12	18	21	15	0.0025
33,783	1977	12	18	21	30	0.0025
33,784	1977	12	18	21	45	0.0025
33,785	1977	12	18	22	0	0
33,786	1977	12	18	22	15	0
33,787	1977	12	18	22	30	0
33,788	1977	12	18	22	45	0
33,789	1977	12	18	23	0	0
33,790	1977	12	18	23	15	0
33,791	1977	12	18	23	30	0
33,792	1977	12	18	23	45	0
33,793	1977	12	19	0	0	0
33,794	1977	12	19	0	15	0
33,795	1977	12	19	0	30	0
33,796	1977	12	19	0	45	0
33,797	1977	12	19	1	0	0
33,798	1977	12	19	1	15	0
33,799	1977	12	19	1	30	0
33,800	1977	12	19	1	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
33,801	1977	12	19	2	0	0
33,802	1977	12	19	2	15	0
33,803	1977	12	19	2	30	0
33,804	1977	12	19	2	45	0
33,805	1977	12	19	3	0	0
33,806	1977	12	19	3	15	0
33,807	1977	12	19	3	30	0
33,808	1977	12	19	3	45	0
33,809	1977	12	19	4	0	0
33,810	1977	12	19	4	15	0
33,811	1977	12	19	4	30	0
33,812	1977	12	19	4	45	0
33,813	1977	12	19	5	0	0
33,814	1977	12	19	5	15	0
33,815	1977	12	19	5	30	0
33,816	1977	12	19	5	45	0
33,817	1977	12	19	6	0	0
33,818	1977	12	19	6	15	0
33,819	1977	12	19	6	30	0
33,820	1977	12	19	6	45	0
33,821	1977	12	19	7	0	0
33,822	1977	12	19	7	15	0
33,823	1977	12	19	7	30	0
33,824	1977	12	19	7	45	0
33,825	1977	12	19	8	0	0
33,826	1977	12	19	8	15	0
33,827	1977	12	19	8	30	0
33,828	1977	12	19	8	45	0
33,829	1977	12	19	9	0	0
33,830	1977	12	19	9	15	0
33,831	1977	12	19	9	30	0
33,832	1977	12	19	9	45	0
33,833	1977	12	19	10	0	0
33,834	1977	12	19	10	15	0
33,835	1977	12	19	10	30	0
33,836	1977	12	19	10	45	0
33,837	1977	12	19	11	0	0
33,838	1977	12	19	11	15	0
33,839	1977	12	19	11	30	0
33,840	1977	12	19	11	45	0
33,841	1977	12	19	12	0	0
33,842	1977	12	19	12	15	0
33,843	1977	12	19	12	30	0
33,844	1977	12	19	12	45	0
33,845	1977	12	19	13	0	0
33,846	1977	12	19	13	15	0
33,847	1977	12	19	13	30	0
33,848	1977	12	19	13	45	0
33,849	1977	12	19	14	0	0
33,850	1977	12	19	14	15	0
33,851	1977	12	19	14	30	0
33,852	1977	12	19	14	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
33,853	1977	12	19	15	0	0
33,854	1977	12	19	15	15	0
33,855	1977	12	19	15	30	0
33,856	1977	12	19	15	45	0
33,857	1977	12	19	16	0	0
33,858	1977	12	19	16	15	0
33,859	1977	12	19	16	30	0
33,860	1977	12	19	16	45	0
33,861	1977	12	19	17	0	0
33,862	1977	12	19	17	15	0
33,863	1977	12	19	17	30	0
33,864	1977	12	19	17	45	0
33,865	1977	12	19	18	0	0
33,866	1977	12	19	18	15	0
33,867	1977	12	19	18	30	0
33,868	1977	12	19	18	45	0
33,869	1977	12	19	19	0	0
33,870	1977	12	19	19	15	0
33,871	1977	12	19	19	30	0
33,872	1977	12	19	19	45	0
33,873	1977	12	19	20	0	0
33,874	1977	12	19	20	15	0
33,875	1977	12	19	20	30	0
33,876	1977	12	19	20	45	0
33,877	1977	12	19	21	0	0
33,878	1977	12	19	21	15	0
33,879	1977	12	19	21	30	0
33,880	1977	12	19	21	45	0
33,881	1977	12	19	22	0	0
33,882	1977	12	19	22	15	0
33,883	1977	12	19	22	30	0
33,884	1977	12	19	22	45	0
33,885	1977	12	19	23	0	0
33,886	1977	12	19	23	15	0
33,887	1977	12	19	23	30	0
33,888	1977	12	19	23	45	0
33,889	1977	12	20	0	0	0
33,890	1977	12	20	0	15	0
33,891	1977	12	20	0	30	0
33,892	1977	12	20	0	45	0
33,893	1977	12	20	1	0	0
33,894	1977	12	20	1	15	0
33,895	1977	12	20	1	30	0
33,896	1977	12	20	1	45	0
33,897	1977	12	20	2	0	0
33,898	1977	12	20	2	15	0
33,899	1977	12	20	2	30	0
33,900	1977	12	20	2	45	0
33,901	1977	12	20	3	0	0
33,902	1977	12	20	3	15	0
33,903	1977	12	20	3	30	0
33,904	1977	12	20	3	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
33,905	1977	12	20	4	0	0
33,906	1977	12	20	4	15	0
33,907	1977	12	20	4	30	0
33,908	1977	12	20	4	45	0
33,909	1977	12	20	5	0	0
33,910	1977	12	20	5	15	0
33,911	1977	12	20	5	30	0
33,912	1977	12	20	5	45	0
33,913	1977	12	20	6	0	0.0025
33,914	1977	12	20	6	15	0.0025
33,915	1977	12	20	6	30	0.0025
33,916	1977	12	20	6	45	0.0025
33,917	1977	12	20	7	0	0.0075
33,918	1977	12	20	7	15	0.0075
33,919	1977	12	20	7	30	0.0075
33,920	1977	12	20	7	45	0.0075
33,921	1977	12	20	8	0	0
33,922	1977	12	20	8	15	0
33,923	1977	12	20	8	30	0
33,924	1977	12	20	8	45	0
33,925	1977	12	20	9	0	0
33,926	1977	12	20	9	15	0
33,927	1977	12	20	9	30	0
33,928	1977	12	20	9	45	0
33,929	1977	12	20	10	0	0
33,930	1977	12	20	10	15	0
33,931	1977	12	20	10	30	0
33,932	1977	12	20	10	45	0
33,933	1977	12	20	11	0	0
33,934	1977	12	20	11	15	0
33,935	1977	12	20	11	30	0
33,936	1977	12	20	11	45	0
33,937	1977	12	20	12	0	0
33,938	1977	12	20	12	15	0
33,939	1977	12	20	12	30	0
33,940	1977	12	20	12	45	0
33,941	1977	12	20	13	0	0
33,942	1977	12	20	13	15	0
33,943	1977	12	20	13	30	0
33,944	1977	12	20	13	45	0
33,945	1977	12	20	14	0	0
33,946	1977	12	20	14	15	0
33,947	1977	12	20	14	30	0
33,948	1977	12	20	14	45	0
33,949	1977	12	20	15	0	0
33,950	1977	12	20	15	15	0
33,951	1977	12	20	15	30	0
33,952	1977	12	20	15	45	0
33,953	1977	12	20	16	0	0
33,954	1977	12	20	16	15	0
33,955	1977	12	20	16	30	0
33,956	1977	12	20	16	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
33,957	1977	12	20	17	0	0
33,958	1977	12	20	17	15	0
33,959	1977	12	20	17	30	0
33,960	1977	12	20	17	45	0
33,961	1977	12	20	18	0	0
33,962	1977	12	20	18	15	0
33,963	1977	12	20	18	30	0
33,964	1977	12	20	18	45	0
33,965	1977	12	20	19	0	0
33,966	1977	12	20	19	15	0
33,967	1977	12	20	19	30	0
33,968	1977	12	20	19	45	0
33,969	1977	12	20	20	0	0
33,970	1977	12	20	20	15	0
33,971	1977	12	20	20	30	0
33,972	1977	12	20	20	45	0
33,973	1977	12	20	21	0	0
33,974	1977	12	20	21	15	0
33,975	1977	12	20	21	30	0
33,976	1977	12	20	21	45	0
33,977	1977	12	20	22	0	0
33,978	1977	12	20	22	15	0
33,979	1977	12	20	22	30	0
33,980	1977	12	20	22	45	0
33,981	1977	12	20	23	0	0
33,982	1977	12	20	23	15	0
33,983	1977	12	20	23	30	0
33,984	1977	12	20	23	45	0
33,985	1977	12	21	0	0	0
33,986	1977	12	21	0	15	0
33,987	1977	12	21	0	30	0
33,988	1977	12	21	0	45	0
33,989	1977	12	21	1	0	0
33,990	1977	12	21	1	15	0
33,991	1977	12	21	1	30	0
33,992	1977	12	21	1	45	0
33,993	1977	12	21	2	0	0
33,994	1977	12	21	2	15	0
33,995	1977	12	21	2	30	0
33,996	1977	12	21	2	45	0
33,997	1977	12	21	3	0	0
33,998	1977	12	21	3	15	0
33,999	1977	12	21	3	30	0
34,000	1977	12	21	3	45	0
34,001	1977	12	21	4	0	0
34,002	1977	12	21	4	15	0
34,003	1977	12	21	4	30	0
34,004	1977	12	21	4	45	0
34,005	1977	12	21	5	0	0
34,006	1977	12	21	5	15	0
34,007	1977	12	21	5	30	0
34,008	1977	12	21	5	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
34,009	1977	12	21	6	0	0
34,010	1977	12	21	6	15	0
34,011	1977	12	21	6	30	0
34,012	1977	12	21	6	45	0
34,013	1977	12	21	7	0	0
34,014	1977	12	21	7	15	0
34,015	1977	12	21	7	30	0
34,016	1977	12	21	7	45	0
34,017	1977	12	21	8	0	0
34,018	1977	12	21	8	15	0
34,019	1977	12	21	8	30	0
34,020	1977	12	21	8	45	0
34,021	1977	12	21	9	0	0
34,022	1977	12	21	9	15	0
34,023	1977	12	21	9	30	0
34,024	1977	12	21	9	45	0
34,025	1977	12	21	10	0	0.0025
34,026	1977	12	21	10	15	0.0025
34,027	1977	12	21	10	30	0.0025
34,028	1977	12	21	10	45	0.0025
34,029	1977	12	21	11	0	0
34,030	1977	12	21	11	15	0
34,031	1977	12	21	11	30	0
34,032	1977	12	21	11	45	0
34,033	1977	12	21	12	0	0
34,034	1977	12	21	12	15	0
34,035	1977	12	21	12	30	0
34,036	1977	12	21	12	45	0
34,037	1977	12	21	13	0	0
34,038	1977	12	21	13	15	0
34,039	1977	12	21	13	30	0
34,040	1977	12	21	13	45	0
34,041	1977	12	21	14	0	0
34,042	1977	12	21	14	15	0
34,043	1977	12	21	14	30	0
34,044	1977	12	21	14	45	0
34,045	1977	12	21	15	0	0
34,046	1977	12	21	15	15	0
34,047	1977	12	21	15	30	0
34,048	1977	12	21	15	45	0
34,049	1977	12	21	16	0	0
34,050	1977	12	21	16	15	0
34,051	1977	12	21	16	30	0
34,052	1977	12	21	16	45	0
34,053	1977	12	21	17	0	0
34,054	1977	12	21	17	15	0
34,055	1977	12	21	17	30	0
34,056	1977	12	21	17	45	0
34,057	1977	12	21	18	0	0
34,058	1977	12	21	18	15	0
34,059	1977	12	21	18	30	0
34,060	1977	12	21	18	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
34,061	1977	12	21	19	0	0
34,062	1977	12	21	19	15	0
34,063	1977	12	21	19	30	0
34,064	1977	12	21	19	45	0
34,065	1977	12	21	20	0	0
34,066	1977	12	21	20	15	0
34,067	1977	12	21	20	30	0
34,068	1977	12	21	20	45	0
34,069	1977	12	21	21	0	0
34,070	1977	12	21	21	15	0
34,071	1977	12	21	21	30	0
34,072	1977	12	21	21	45	0
34,073	1977	12	21	22	0	0
34,074	1977	12	21	22	15	0
34,075	1977	12	21	22	30	0
34,076	1977	12	21	22	45	0
34,077	1977	12	21	23	0	0
34,078	1977	12	21	23	15	0
34,079	1977	12	21	23	30	0
34,080	1977	12	21	23	45	0
34,081	1977	12	22	0	0	0.0025
34,082	1977	12	22	0	15	0.0025
34,083	1977	12	22	0	30	0.0025
34,084	1977	12	22	0	45	0.0025
34,085	1977	12	22	1	0	0
34,086	1977	12	22	1	15	0
34,087	1977	12	22	1	30	0
34,088	1977	12	22	1	45	0
34,089	1977	12	22	2	0	0.0025
34,090	1977	12	22	2	15	0.0025
34,091	1977	12	22	2	30	0.0025
34,092	1977	12	22	2	45	0.0025
34,093	1977	12	22	3	0	0
34,094	1977	12	22	3	15	0
34,095	1977	12	22	3	30	0
34,096	1977	12	22	3	45	0
34,097	1977	12	22	4	0	0.0025
34,098	1977	12	22	4	15	0.0025
34,099	1977	12	22	4	30	0.0025
34,100	1977	12	22	4	45	0.0025
34,101	1977	12	22	5	0	0
34,102	1977	12	22	5	15	0
34,103	1977	12	22	5	30	0
34,104	1977	12	22	5	45	0
34,105	1977	12	22	6	0	0
34,106	1977	12	22	6	15	0
34,107	1977	12	22	6	30	0
34,108	1977	12	22	6	45	0
34,109	1977	12	22	7	0	0.0025
34,110	1977	12	22	7	15	0.0025
34,111	1977	12	22	7	30	0.0025
34,112	1977	12	22	7	45	0.0025

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
34,113	1977	12	22	8	0	0.0025
34,114	1977	12	22	8	15	0.0025
34,115	1977	12	22	8	30	0.0025
34,116	1977	12	22	8	45	0.0025
34,117	1977	12	22	9	0	0.0025
34,118	1977	12	22	9	15	0.0025
34,119	1977	12	22	9	30	0.0025
34,120	1977	12	22	9	45	0.0025
34,121	1977	12	22	10	0	0
34,122	1977	12	22	10	15	0
34,123	1977	12	22	10	30	0
34,124	1977	12	22	10	45	0
34,125	1977	12	22	11	0	0.0025
34,126	1977	12	22	11	15	0.0025
34,127	1977	12	22	11	30	0.0025
34,128	1977	12	22	11	45	0.0025
34,129	1977	12	22	12	0	0
34,130	1977	12	22	12	15	0
34,131	1977	12	22	12	30	0
34,132	1977	12	22	12	45	0
34,133	1977	12	22	13	0	0
34,134	1977	12	22	13	15	0
34,135	1977	12	22	13	30	0
34,136	1977	12	22	13	45	0
34,137	1977	12	22	14	0	0
34,138	1977	12	22	14	15	0
34,139	1977	12	22	14	30	0
34,140	1977	12	22	14	45	0
34,141	1977	12	22	15	0	0
34,142	1977	12	22	15	15	0
34,143	1977	12	22	15	30	0
34,144	1977	12	22	15	45	0
34,145	1977	12	22	16	0	0
34,146	1977	12	22	16	15	0
34,147	1977	12	22	16	30	0
34,148	1977	12	22	16	45	0
34,149	1977	12	22	17	0	0
34,150	1977	12	22	17	15	0
34,151	1977	12	22	17	30	0
34,152	1977	12	22	17	45	0
34,153	1977	12	22	18	0	0
34,154	1977	12	22	18	15	0
34,155	1977	12	22	18	30	0
34,156	1977	12	22	18	45	0
34,157	1977	12	22	19	0	0
34,158	1977	12	22	19	15	0
34,159	1977	12	22	19	30	0
34,160	1977	12	22	19	45	0
34,161	1977	12	22	20	0	0
34,162	1977	12	22	20	15	0
34,163	1977	12	22	20	30	0
34,164	1977	12	22	20	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
34,165	1977	12	22	21	0	0
34,166	1977	12	22	21	15	0
34,167	1977	12	22	21	30	0
34,168	1977	12	22	21	45	0
34,169	1977	12	22	22	0	0
34,170	1977	12	22	22	15	0
34,171	1977	12	22	22	30	0
34,172	1977	12	22	22	45	0
34,173	1977	12	22	23	0	0
34,174	1977	12	22	23	15	0
34,175	1977	12	22	23	30	0
34,176	1977	12	22	23	45	0
34,177	1977	12	23	0	0	0
34,178	1977	12	23	0	15	0
34,179	1977	12	23	0	30	0
34,180	1977	12	23	0	45	0
34,181	1977	12	23	1	0	0
34,182	1977	12	23	1	15	0
34,183	1977	12	23	1	30	0
34,184	1977	12	23	1	45	0
34,185	1977	12	23	2	0	0
34,186	1977	12	23	2	15	0
34,187	1977	12	23	2	30	0
34,188	1977	12	23	2	45	0
34,189	1977	12	23	3	0	0
34,190	1977	12	23	3	15	0
34,191	1977	12	23	3	30	0
34,192	1977	12	23	3	45	0
34,193	1977	12	23	4	0	0
34,194	1977	12	23	4	15	0
34,195	1977	12	23	4	30	0
34,196	1977	12	23	4	45	0
34,197	1977	12	23	5	0	0
34,198	1977	12	23	5	15	0
34,199	1977	12	23	5	30	0
34,200	1977	12	23	5	45	0
34,201	1977	12	23	6	0	0
34,202	1977	12	23	6	15	0
34,203	1977	12	23	6	30	0
34,204	1977	12	23	6	45	0
34,205	1977	12	23	7	0	0
34,206	1977	12	23	7	15	0
34,207	1977	12	23	7	30	0
34,208	1977	12	23	7	45	0
34,209	1977	12	23	8	0	0
34,210	1977	12	23	8	15	0
34,211	1977	12	23	8	30	0
34,212	1977	12	23	8	45	0
34,213	1977	12	23	9	0	0
34,214	1977	12	23	9	15	0
34,215	1977	12	23	9	30	0
34,216	1977	12	23	9	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
34,217	1977	12	23	10	0	0
34,218	1977	12	23	10	15	0
34,219	1977	12	23	10	30	0
34,220	1977	12	23	10	45	0
34,221	1977	12	23	11	0	0
34,222	1977	12	23	11	15	0
34,223	1977	12	23	11	30	0
34,224	1977	12	23	11	45	0
34,225	1977	12	23	12	0	0
34,226	1977	12	23	12	15	0
34,227	1977	12	23	12	30	0
34,228	1977	12	23	12	45	0
34,229	1977	12	23	13	0	0
34,230	1977	12	23	13	15	0
34,231	1977	12	23	13	30	0
34,232	1977	12	23	13	45	0
34,233	1977	12	23	14	0	0
34,234	1977	12	23	14	15	0
34,235	1977	12	23	14	30	0
34,236	1977	12	23	14	45	0
34,237	1977	12	23	15	0	0
34,238	1977	12	23	15	15	0
34,239	1977	12	23	15	30	0
34,240	1977	12	23	15	45	0
34,241	1977	12	23	16	0	0
34,242	1977	12	23	16	15	0
34,243	1977	12	23	16	30	0
34,244	1977	12	23	16	45	0
34,245	1977	12	23	17	0	0
34,246	1977	12	23	17	15	0
34,247	1977	12	23	17	30	0
34,248	1977	12	23	17	45	0
34,249	1977	12	23	18	0	0
34,250	1977	12	23	18	15	0
34,251	1977	12	23	18	30	0
34,252	1977	12	23	18	45	0
34,253	1977	12	23	19	0	0
34,254	1977	12	23	19	15	0
34,255	1977	12	23	19	30	0
34,256	1977	12	23	19	45	0
34,257	1977	12	23	20	0	0
34,258	1977	12	23	20	15	0
34,259	1977	12	23	20	30	0
34,260	1977	12	23	20	45	0
34,261	1977	12	23	21	0	0
34,262	1977	12	23	21	15	0
34,263	1977	12	23	21	30	0
34,264	1977	12	23	21	45	0
34,265	1977	12	23	22	0	0
34,266	1977	12	23	22	15	0
34,267	1977	12	23	22	30	0
34,268	1977	12	23	22	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
34,269	1977	12	23	23	0	0
34,270	1977	12	23	23	15	0
34,271	1977	12	23	23	30	0
34,272	1977	12	23	23	45	0
34,273	1977	12	24	0	0	0
34,274	1977	12	24	0	15	0
34,275	1977	12	24	0	30	0
34,276	1977	12	24	0	45	0
34,277	1977	12	24	1	0	0
34,278	1977	12	24	1	15	0
34,279	1977	12	24	1	30	0
34,280	1977	12	24	1	45	0
34,281	1977	12	24	2	0	0
34,282	1977	12	24	2	15	0
34,283	1977	12	24	2	30	0
34,284	1977	12	24	2	45	0
34,285	1977	12	24	3	0	0
34,286	1977	12	24	3	15	0
34,287	1977	12	24	3	30	0
34,288	1977	12	24	3	45	0
34,289	1977	12	24	4	0	0
34,290	1977	12	24	4	15	0
34,291	1977	12	24	4	30	0
34,292	1977	12	24	4	45	0
34,293	1977	12	24	5	0	0
34,294	1977	12	24	5	15	0
34,295	1977	12	24	5	30	0
34,296	1977	12	24	5	45	0
34,297	1977	12	24	6	0	0
34,298	1977	12	24	6	15	0
34,299	1977	12	24	6	30	0
34,300	1977	12	24	6	45	0
34,301	1977	12	24	7	0	0
34,302	1977	12	24	7	15	0
34,303	1977	12	24	7	30	0
34,304	1977	12	24	7	45	0
34,305	1977	12	24	8	0	0
34,306	1977	12	24	8	15	0
34,307	1977	12	24	8	30	0
34,308	1977	12	24	8	45	0
34,309	1977	12	24	9	0	0
34,310	1977	12	24	9	15	0
34,311	1977	12	24	9	30	0
34,312	1977	12	24	9	45	0
34,313	1977	12	24	10	0	0
34,314	1977	12	24	10	15	0
34,315	1977	12	24	10	30	0
34,316	1977	12	24	10	45	0
34,317	1977	12	24	11	0	0
34,318	1977	12	24	11	15	0
34,319	1977	12	24	11	30	0
34,320	1977	12	24	11	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
34,321	1977	12	24	12	0	0
34,322	1977	12	24	12	15	0
34,323	1977	12	24	12	30	0
34,324	1977	12	24	12	45	0
34,325	1977	12	24	13	0	0
34,326	1977	12	24	13	15	0
34,327	1977	12	24	13	30	0
34,328	1977	12	24	13	45	0
34,329	1977	12	24	14	0	0
34,330	1977	12	24	14	15	0
34,331	1977	12	24	14	30	0
34,332	1977	12	24	14	45	0
34,333	1977	12	24	15	0	0
34,334	1977	12	24	15	15	0
34,335	1977	12	24	15	30	0
34,336	1977	12	24	15	45	0
34,337	1977	12	24	16	0	0
34,338	1977	12	24	16	15	0
34,339	1977	12	24	16	30	0
34,340	1977	12	24	16	45	0
34,341	1977	12	24	17	0	0
34,342	1977	12	24	17	15	0
34,343	1977	12	24	17	30	0
34,344	1977	12	24	17	45	0
34,345	1977	12	24	18	0	0
34,346	1977	12	24	18	15	0
34,347	1977	12	24	18	30	0
34,348	1977	12	24	18	45	0
34,349	1977	12	24	19	0	0
34,350	1977	12	24	19	15	0
34,351	1977	12	24	19	30	0
34,352	1977	12	24	19	45	0
34,353	1977	12	24	20	0	0.0025
34,354	1977	12	24	20	15	0.0025
34,355	1977	12	24	20	30	0.0025
34,356	1977	12	24	20	45	0.0025
34,357	1977	12	24	21	0	0.0225
34,358	1977	12	24	21	15	0.0225
34,359	1977	12	24	21	30	0.0225
34,360	1977	12	24	21	45	0.0225
34,361	1977	12	24	22	0	0.05
34,362	1977	12	24	22	15	0.05
34,363	1977	12	24	22	30	0.05
34,364	1977	12	24	22	45	0.05
34,365	1977	12	24	23	0	0.01
34,366	1977	12	24	23	15	0.01
34,367	1977	12	24	23	30	0.01
34,368	1977	12	24	23	45	0.01
34,369	1977	12	25	0	0	0
34,370	1977	12	25	0	15	0
34,371	1977	12	25	0	30	0
34,372	1977	12	25	0	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
34,373	1977	12	25	1	0	0
34,374	1977	12	25	1	15	0
34,375	1977	12	25	1	30	0
34,376	1977	12	25	1	45	0
34,377	1977	12	25	2	0	0
34,378	1977	12	25	2	15	0
34,379	1977	12	25	2	30	0
34,380	1977	12	25	2	45	0
34,381	1977	12	25	3	0	0
34,382	1977	12	25	3	15	0
34,383	1977	12	25	3	30	0
34,384	1977	12	25	3	45	0
34,385	1977	12	25	4	0	0
34,386	1977	12	25	4	15	0
34,387	1977	12	25	4	30	0
34,388	1977	12	25	4	45	0
34,389	1977	12	25	5	0	0
34,390	1977	12	25	5	15	0
34,391	1977	12	25	5	30	0
34,392	1977	12	25	5	45	0
34,393	1977	12	25	6	0	0
34,394	1977	12	25	6	15	0
34,395	1977	12	25	6	30	0
34,396	1977	12	25	6	45	0
34,397	1977	12	25	7	0	0
34,398	1977	12	25	7	15	0
34,399	1977	12	25	7	30	0
34,400	1977	12	25	7	45	0
34,401	1977	12	25	8	0	0
34,402	1977	12	25	8	15	0
34,403	1977	12	25	8	30	0
34,404	1977	12	25	8	45	0
34,405	1977	12	25	9	0	0
34,406	1977	12	25	9	15	0
34,407	1977	12	25	9	30	0
34,408	1977	12	25	9	45	0
34,409	1977	12	25	10	0	0
34,410	1977	12	25	10	15	0
34,411	1977	12	25	10	30	0
34,412	1977	12	25	10	45	0
34,413	1977	12	25	11	0	0
34,414	1977	12	25	11	15	0
34,415	1977	12	25	11	30	0
34,416	1977	12	25	11	45	0
34,417	1977	12	25	12	0	0
34,418	1977	12	25	12	15	0
34,419	1977	12	25	12	30	0
34,420	1977	12	25	12	45	0
34,421	1977	12	25	13	0	0
34,422	1977	12	25	13	15	0
34,423	1977	12	25	13	30	0
34,424	1977	12	25	13	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
34,425	1977	12	25	14	0	0
34,426	1977	12	25	14	15	0
34,427	1977	12	25	14	30	0
34,428	1977	12	25	14	45	0
34,429	1977	12	25	15	0	0
34,430	1977	12	25	15	15	0
34,431	1977	12	25	15	30	0
34,432	1977	12	25	15	45	0
34,433	1977	12	25	16	0	0
34,434	1977	12	25	16	15	0
34,435	1977	12	25	16	30	0
34,436	1977	12	25	16	45	0
34,437	1977	12	25	17	0	0
34,438	1977	12	25	17	15	0
34,439	1977	12	25	17	30	0
34,440	1977	12	25	17	45	0
34,441	1977	12	25	18	0	0
34,442	1977	12	25	18	15	0
34,443	1977	12	25	18	30	0
34,444	1977	12	25	18	45	0
34,445	1977	12	25	19	0	0
34,446	1977	12	25	19	15	0
34,447	1977	12	25	19	30	0
34,448	1977	12	25	19	45	0
34,449	1977	12	25	20	0	0
34,450	1977	12	25	20	15	0
34,451	1977	12	25	20	30	0
34,452	1977	12	25	20	45	0
34,453	1977	12	25	21	0	0
34,454	1977	12	25	21	15	0
34,455	1977	12	25	21	30	0
34,456	1977	12	25	21	45	0
34,457	1977	12	25	22	0	0
34,458	1977	12	25	22	15	0
34,459	1977	12	25	22	30	0
34,460	1977	12	25	22	45	0
34,461	1977	12	25	23	0	0
34,462	1977	12	25	23	15	0
34,463	1977	12	25	23	30	0
34,464	1977	12	25	23	45	0
34,465	1977	12	26	0	0	0
34,466	1977	12	26	0	15	0
34,467	1977	12	26	0	30	0
34,468	1977	12	26	0	45	0
34,469	1977	12	26	1	0	0
34,470	1977	12	26	1	15	0
34,471	1977	12	26	1	30	0
34,472	1977	12	26	1	45	0
34,473	1977	12	26	2	0	0
34,474	1977	12	26	2	15	0
34,475	1977	12	26	2	30	0
34,476	1977	12	26	2	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
34,477	1977	12	26	3	0	0
34,478	1977	12	26	3	15	0
34,479	1977	12	26	3	30	0
34,480	1977	12	26	3	45	0
34,481	1977	12	26	4	0	0
34,482	1977	12	26	4	15	0
34,483	1977	12	26	4	30	0
34,484	1977	12	26	4	45	0
34,485	1977	12	26	5	0	0
34,486	1977	12	26	5	15	0
34,487	1977	12	26	5	30	0
34,488	1977	12	26	5	45	0
34,489	1977	12	26	6	0	0
34,490	1977	12	26	6	15	0
34,491	1977	12	26	6	30	0
34,492	1977	12	26	6	45	0
34,493	1977	12	26	7	0	0
34,494	1977	12	26	7	15	0
34,495	1977	12	26	7	30	0
34,496	1977	12	26	7	45	0
34,497	1977	12	26	8	0	0
34,498	1977	12	26	8	15	0
34,499	1977	12	26	8	30	0
34,500	1977	12	26	8	45	0
34,501	1977	12	26	9	0	0
34,502	1977	12	26	9	15	0
34,503	1977	12	26	9	30	0
34,504	1977	12	26	9	45	0
34,505	1977	12	26	10	0	0
34,506	1977	12	26	10	15	0
34,507	1977	12	26	10	30	0
34,508	1977	12	26	10	45	0
34,509	1977	12	26	11	0	0
34,510	1977	12	26	11	15	0
34,511	1977	12	26	11	30	0
34,512	1977	12	26	11	45	0
34,513	1977	12	26	12	0	0
34,514	1977	12	26	12	15	0
34,515	1977	12	26	12	30	0
34,516	1977	12	26	12	45	0
34,517	1977	12	26	13	0	0
34,518	1977	12	26	13	15	0
34,519	1977	12	26	13	30	0
34,520	1977	12	26	13	45	0
34,521	1977	12	26	14	0	0
34,522	1977	12	26	14	15	0
34,523	1977	12	26	14	30	0
34,524	1977	12	26	14	45	0
34,525	1977	12	26	15	0	0
34,526	1977	12	26	15	15	0
34,527	1977	12	26	15	30	0
34,528	1977	12	26	15	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
34,529	1977	12	26	16	0	0
34,530	1977	12	26	16	15	0
34,531	1977	12	26	16	30	0
34,532	1977	12	26	16	45	0
34,533	1977	12	26	17	0	0
34,534	1977	12	26	17	15	0
34,535	1977	12	26	17	30	0
34,536	1977	12	26	17	45	0
34,537	1977	12	26	18	0	0
34,538	1977	12	26	18	15	0
34,539	1977	12	26	18	30	0
34,540	1977	12	26	18	45	0
34,541	1977	12	26	19	0	0
34,542	1977	12	26	19	15	0
34,543	1977	12	26	19	30	0
34,544	1977	12	26	19	45	0
34,545	1977	12	26	20	0	0
34,546	1977	12	26	20	15	0
34,547	1977	12	26	20	30	0
34,548	1977	12	26	20	45	0
34,549	1977	12	26	21	0	0
34,550	1977	12	26	21	15	0
34,551	1977	12	26	21	30	0
34,552	1977	12	26	21	45	0
34,553	1977	12	26	22	0	0
34,554	1977	12	26	22	15	0
34,555	1977	12	26	22	30	0
34,556	1977	12	26	22	45	0
34,557	1977	12	26	23	0	0
34,558	1977	12	26	23	15	0
34,559	1977	12	26	23	30	0
34,560	1977	12	26	23	45	0
34,561	1977	12	27	0	0	0
34,562	1977	12	27	0	15	0
34,563	1977	12	27	0	30	0
34,564	1977	12	27	0	45	0
34,565	1977	12	27	1	0	0.0025
34,566	1977	12	27	1	15	0.0025
34,567	1977	12	27	1	30	0.0025
34,568	1977	12	27	1	45	0.0025
34,569	1977	12	27	2	0	0
34,570	1977	12	27	2	15	0
34,571	1977	12	27	2	30	0
34,572	1977	12	27	2	45	0
34,573	1977	12	27	3	0	0
34,574	1977	12	27	3	15	0
34,575	1977	12	27	3	30	0
34,576	1977	12	27	3	45	0
34,577	1977	12	27	4	0	0
34,578	1977	12	27	4	15	0
34,579	1977	12	27	4	30	0
34,580	1977	12	27	4	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
34,581	1977	12	27	5	0	0
34,582	1977	12	27	5	15	0
34,583	1977	12	27	5	30	0
34,584	1977	12	27	5	45	0
34,585	1977	12	27	6	0	0
34,586	1977	12	27	6	15	0
34,587	1977	12	27	6	30	0
34,588	1977	12	27	6	45	0
34,589	1977	12	27	7	0	0
34,590	1977	12	27	7	15	0
34,591	1977	12	27	7	30	0
34,592	1977	12	27	7	45	0
34,593	1977	12	27	8	0	0
34,594	1977	12	27	8	15	0
34,595	1977	12	27	8	30	0
34,596	1977	12	27	8	45	0
34,597	1977	12	27	9	0	0
34,598	1977	12	27	9	15	0
34,599	1977	12	27	9	30	0
34,600	1977	12	27	9	45	0
34,601	1977	12	27	10	0	0
34,602	1977	12	27	10	15	0
34,603	1977	12	27	10	30	0
34,604	1977	12	27	10	45	0
34,605	1977	12	27	11	0	0.0025
34,606	1977	12	27	11	15	0.0025
34,607	1977	12	27	11	30	0.0025
34,608	1977	12	27	11	45	0.0025
34,609	1977	12	27	12	0	0
34,610	1977	12	27	12	15	0
34,611	1977	12	27	12	30	0
34,612	1977	12	27	12	45	0
34,613	1977	12	27	13	0	0
34,614	1977	12	27	13	15	0
34,615	1977	12	27	13	30	0
34,616	1977	12	27	13	45	0
34,617	1977	12	27	14	0	0
34,618	1977	12	27	14	15	0
34,619	1977	12	27	14	30	0
34,620	1977	12	27	14	45	0
34,621	1977	12	27	15	0	0
34,622	1977	12	27	15	15	0
34,623	1977	12	27	15	30	0
34,624	1977	12	27	15	45	0
34,625	1977	12	27	16	0	0
34,626	1977	12	27	16	15	0
34,627	1977	12	27	16	30	0
34,628	1977	12	27	16	45	0
34,629	1977	12	27	17	0	0
34,630	1977	12	27	17	15	0
34,631	1977	12	27	17	30	0
34,632	1977	12	27	17	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
34,633	1977	12	27	18	0	0
34,634	1977	12	27	18	15	0
34,635	1977	12	27	18	30	0
34,636	1977	12	27	18	45	0
34,637	1977	12	27	19	0	0.0025
34,638	1977	12	27	19	15	0.0025
34,639	1977	12	27	19	30	0.0025
34,640	1977	12	27	19	45	0.0025
34,641	1977	12	27	20	0	0
34,642	1977	12	27	20	15	0
34,643	1977	12	27	20	30	0
34,644	1977	12	27	20	45	0
34,645	1977	12	27	21	0	0
34,646	1977	12	27	21	15	0
34,647	1977	12	27	21	30	0
34,648	1977	12	27	21	45	0
34,649	1977	12	27	22	0	0
34,650	1977	12	27	22	15	0
34,651	1977	12	27	22	30	0
34,652	1977	12	27	22	45	0
34,653	1977	12	27	23	0	0
34,654	1977	12	27	23	15	0
34,655	1977	12	27	23	30	0
34,656	1977	12	27	23	45	0
34,657	1977	12	28	0	0	0
34,658	1977	12	28	0	15	0
34,659	1977	12	28	0	30	0
34,660	1977	12	28	0	45	0
34,661	1977	12	28	1	0	0
34,662	1977	12	28	1	15	0
34,663	1977	12	28	1	30	0
34,664	1977	12	28	1	45	0
34,665	1977	12	28	2	0	0
34,666	1977	12	28	2	15	0
34,667	1977	12	28	2	30	0
34,668	1977	12	28	2	45	0
34,669	1977	12	28	3	0	0
34,670	1977	12	28	3	15	0
34,671	1977	12	28	3	30	0
34,672	1977	12	28	3	45	0
34,673	1977	12	28	4	0	0
34,674	1977	12	28	4	15	0
34,675	1977	12	28	4	30	0
34,676	1977	12	28	4	45	0
34,677	1977	12	28	5	0	0
34,678	1977	12	28	5	15	0
34,679	1977	12	28	5	30	0
34,680	1977	12	28	5	45	0
34,681	1977	12	28	6	0	0
34,682	1977	12	28	6	15	0
34,683	1977	12	28	6	30	0
34,684	1977	12	28	6	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
34,685	1977	12	28	7	0	0
34,686	1977	12	28	7	15	0
34,687	1977	12	28	7	30	0
34,688	1977	12	28	7	45	0
34,689	1977	12	28	8	0	0
34,690	1977	12	28	8	15	0
34,691	1977	12	28	8	30	0
34,692	1977	12	28	8	45	0
34,693	1977	12	28	9	0	0
34,694	1977	12	28	9	15	0
34,695	1977	12	28	9	30	0
34,696	1977	12	28	9	45	0
34,697	1977	12	28	10	0	0
34,698	1977	12	28	10	15	0
34,699	1977	12	28	10	30	0
34,700	1977	12	28	10	45	0
34,701	1977	12	28	11	0	0
34,702	1977	12	28	11	15	0
34,703	1977	12	28	11	30	0
34,704	1977	12	28	11	45	0
34,705	1977	12	28	12	0	0
34,706	1977	12	28	12	15	0
34,707	1977	12	28	12	30	0
34,708	1977	12	28	12	45	0
34,709	1977	12	28	13	0	0
34,710	1977	12	28	13	15	0
34,711	1977	12	28	13	30	0
34,712	1977	12	28	13	45	0
34,713	1977	12	28	14	0	0
34,714	1977	12	28	14	15	0
34,715	1977	12	28	14	30	0
34,716	1977	12	28	14	45	0
34,717	1977	12	28	15	0	0
34,718	1977	12	28	15	15	0
34,719	1977	12	28	15	30	0
34,720	1977	12	28	15	45	0
34,721	1977	12	28	16	0	0
34,722	1977	12	28	16	15	0
34,723	1977	12	28	16	30	0
34,724	1977	12	28	16	45	0
34,725	1977	12	28	17	0	0
34,726	1977	12	28	17	15	0
34,727	1977	12	28	17	30	0
34,728	1977	12	28	17	45	0
34,729	1977	12	28	18	0	0
34,730	1977	12	28	18	15	0
34,731	1977	12	28	18	30	0
34,732	1977	12	28	18	45	0
34,733	1977	12	28	19	0	0
34,734	1977	12	28	19	15	0
34,735	1977	12	28	19	30	0
34,736	1977	12	28	19	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
34,737	1977	12	28	20	0	0
34,738	1977	12	28	20	15	0
34,739	1977	12	28	20	30	0
34,740	1977	12	28	20	45	0
34,741	1977	12	28	21	0	0
34,742	1977	12	28	21	15	0
34,743	1977	12	28	21	30	0
34,744	1977	12	28	21	45	0
34,745	1977	12	28	22	0	0
34,746	1977	12	28	22	15	0
34,747	1977	12	28	22	30	0
34,748	1977	12	28	22	45	0
34,749	1977	12	28	23	0	0
34,750	1977	12	28	23	15	0
34,751	1977	12	28	23	30	0
34,752	1977	12	28	23	45	0
34,753	1977	12	29	0	0	0
34,754	1977	12	29	0	15	0
34,755	1977	12	29	0	30	0
34,756	1977	12	29	0	45	0
34,757	1977	12	29	1	0	0
34,758	1977	12	29	1	15	0
34,759	1977	12	29	1	30	0
34,760	1977	12	29	1	45	0
34,761	1977	12	29	2	0	0
34,762	1977	12	29	2	15	0
34,763	1977	12	29	2	30	0
34,764	1977	12	29	2	45	0
34,765	1977	12	29	3	0	0
34,766	1977	12	29	3	15	0
34,767	1977	12	29	3	30	0
34,768	1977	12	29	3	45	0
34,769	1977	12	29	4	0	0
34,770	1977	12	29	4	15	0
34,771	1977	12	29	4	30	0
34,772	1977	12	29	4	45	0
34,773	1977	12	29	5	0	0
34,774	1977	12	29	5	15	0
34,775	1977	12	29	5	30	0
34,776	1977	12	29	5	45	0
34,777	1977	12	29	6	0	0
34,778	1977	12	29	6	15	0
34,779	1977	12	29	6	30	0
34,780	1977	12	29	6	45	0
34,781	1977	12	29	7	0	0
34,782	1977	12	29	7	15	0
34,783	1977	12	29	7	30	0
34,784	1977	12	29	7	45	0
34,785	1977	12	29	8	0	0
34,786	1977	12	29	8	15	0
34,787	1977	12	29	8	30	0
34,788	1977	12	29	8	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
34,789	1977	12	29	9	0	0
34,790	1977	12	29	9	15	0
34,791	1977	12	29	9	30	0
34,792	1977	12	29	9	45	0
34,793	1977	12	29	10	0	0
34,794	1977	12	29	10	15	0
34,795	1977	12	29	10	30	0
34,796	1977	12	29	10	45	0
34,797	1977	12	29	11	0	0
34,798	1977	12	29	11	15	0
34,799	1977	12	29	11	30	0
34,800	1977	12	29	11	45	0
34,801	1977	12	29	12	0	0
34,802	1977	12	29	12	15	0
34,803	1977	12	29	12	30	0
34,804	1977	12	29	12	45	0
34,805	1977	12	29	13	0	0
34,806	1977	12	29	13	15	0
34,807	1977	12	29	13	30	0
34,808	1977	12	29	13	45	0
34,809	1977	12	29	14	0	0
34,810	1977	12	29	14	15	0
34,811	1977	12	29	14	30	0
34,812	1977	12	29	14	45	0
34,813	1977	12	29	15	0	0
34,814	1977	12	29	15	15	0
34,815	1977	12	29	15	30	0
34,816	1977	12	29	15	45	0
34,817	1977	12	29	16	0	0
34,818	1977	12	29	16	15	0
34,819	1977	12	29	16	30	0
34,820	1977	12	29	16	45	0
34,821	1977	12	29	17	0	0
34,822	1977	12	29	17	15	0
34,823	1977	12	29	17	30	0
34,824	1977	12	29	17	45	0
34,825	1977	12	29	18	0	0
34,826	1977	12	29	18	15	0
34,827	1977	12	29	18	30	0
34,828	1977	12	29	18	45	0
34,829	1977	12	29	19	0	0
34,830	1977	12	29	19	15	0
34,831	1977	12	29	19	30	0
34,832	1977	12	29	19	45	0
34,833	1977	12	29	20	0	0
34,834	1977	12	29	20	15	0
34,835	1977	12	29	20	30	0
34,836	1977	12	29	20	45	0
34,837	1977	12	29	21	0	0
34,838	1977	12	29	21	15	0
34,839	1977	12	29	21	30	0
34,840	1977	12	29	21	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
34,841	1977	12	29	22	0	0
34,842	1977	12	29	22	15	0
34,843	1977	12	29	22	30	0
34,844	1977	12	29	22	45	0
34,845	1977	12	29	23	0	0
34,846	1977	12	29	23	15	0
34,847	1977	12	29	23	30	0
34,848	1977	12	29	23	45	0
34,849	1977	12	30	0	0	0
34,850	1977	12	30	0	15	0
34,851	1977	12	30	0	30	0
34,852	1977	12	30	0	45	0
34,853	1977	12	30	1	0	0
34,854	1977	12	30	1	15	0
34,855	1977	12	30	1	30	0
34,856	1977	12	30	1	45	0
34,857	1977	12	30	2	0	0
34,858	1977	12	30	2	15	0
34,859	1977	12	30	2	30	0
34,860	1977	12	30	2	45	0
34,861	1977	12	30	3	0	0
34,862	1977	12	30	3	15	0
34,863	1977	12	30	3	30	0
34,864	1977	12	30	3	45	0
34,865	1977	12	30	4	0	0
34,866	1977	12	30	4	15	0
34,867	1977	12	30	4	30	0
34,868	1977	12	30	4	45	0
34,869	1977	12	30	5	0	0
34,870	1977	12	30	5	15	0
34,871	1977	12	30	5	30	0
34,872	1977	12	30	5	45	0
34,873	1977	12	30	6	0	0
34,874	1977	12	30	6	15	0
34,875	1977	12	30	6	30	0
34,876	1977	12	30	6	45	0
34,877	1977	12	30	7	0	0
34,878	1977	12	30	7	15	0
34,879	1977	12	30	7	30	0
34,880	1977	12	30	7	45	0
34,881	1977	12	30	8	0	0
34,882	1977	12	30	8	15	0
34,883	1977	12	30	8	30	0
34,884	1977	12	30	8	45	0
34,885	1977	12	30	9	0	0
34,886	1977	12	30	9	15	0
34,887	1977	12	30	9	30	0
34,888	1977	12	30	9	45	0
34,889	1977	12	30	10	0	0
34,890	1977	12	30	10	15	0
34,891	1977	12	30	10	30	0
34,892	1977	12	30	10	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
34,893	1977	12	30	11	0	0
34,894	1977	12	30	11	15	0
34,895	1977	12	30	11	30	0
34,896	1977	12	30	11	45	0
34,897	1977	12	30	12	0	0
34,898	1977	12	30	12	15	0
34,899	1977	12	30	12	30	0
34,900	1977	12	30	12	45	0
34,901	1977	12	30	13	0	0
34,902	1977	12	30	13	15	0
34,903	1977	12	30	13	30	0
34,904	1977	12	30	13	45	0
34,905	1977	12	30	14	0	0
34,906	1977	12	30	14	15	0
34,907	1977	12	30	14	30	0
34,908	1977	12	30	14	45	0
34,909	1977	12	30	15	0	0
34,910	1977	12	30	15	15	0
34,911	1977	12	30	15	30	0
34,912	1977	12	30	15	45	0
34,913	1977	12	30	16	0	0
34,914	1977	12	30	16	15	0
34,915	1977	12	30	16	30	0
34,916	1977	12	30	16	45	0
34,917	1977	12	30	17	0	0
34,918	1977	12	30	17	15	0
34,919	1977	12	30	17	30	0
34,920	1977	12	30	17	45	0
34,921	1977	12	30	18	0	0
34,922	1977	12	30	18	15	0
34,923	1977	12	30	18	30	0
34,924	1977	12	30	18	45	0
34,925	1977	12	30	19	0	0
34,926	1977	12	30	19	15	0
34,927	1977	12	30	19	30	0
34,928	1977	12	30	19	45	0
34,929	1977	12	30	20	0	0
34,930	1977	12	30	20	15	0
34,931	1977	12	30	20	30	0
34,932	1977	12	30	20	45	0
34,933	1977	12	30	21	0	0
34,934	1977	12	30	21	15	0
34,935	1977	12	30	21	30	0
34,936	1977	12	30	21	45	0
34,937	1977	12	30	22	0	0
34,938	1977	12	30	22	15	0
34,939	1977	12	30	22	30	0
34,940	1977	12	30	22	45	0
34,941	1977	12	30	23	0	0
34,942	1977	12	30	23	15	0
34,943	1977	12	30	23	30	0
34,944	1977	12	30	23	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
34,945	1977	12	31	0	0	0
34,946	1977	12	31	0	15	0
34,947	1977	12	31	0	30	0
34,948	1977	12	31	0	45	0
34,949	1977	12	31	1	0	0
34,950	1977	12	31	1	15	0
34,951	1977	12	31	1	30	0
34,952	1977	12	31	1	45	0
34,953	1977	12	31	2	0	0
34,954	1977	12	31	2	15	0
34,955	1977	12	31	2	30	0
34,956	1977	12	31	2	45	0
34,957	1977	12	31	3	0	0
34,958	1977	12	31	3	15	0
34,959	1977	12	31	3	30	0
34,960	1977	12	31	3	45	0
34,961	1977	12	31	4	0	0
34,962	1977	12	31	4	15	0
34,963	1977	12	31	4	30	0
34,964	1977	12	31	4	45	0
34,965	1977	12	31	5	0	0
34,966	1977	12	31	5	15	0
34,967	1977	12	31	5	30	0
34,968	1977	12	31	5	45	0
34,969	1977	12	31	6	0	0
34,970	1977	12	31	6	15	0
34,971	1977	12	31	6	30	0
34,972	1977	12	31	6	45	0
34,973	1977	12	31	7	0	0
34,974	1977	12	31	7	15	0
34,975	1977	12	31	7	30	0
34,976	1977	12	31	7	45	0
34,977	1977	12	31	8	0	0
34,978	1977	12	31	8	15	0
34,979	1977	12	31	8	30	0
34,980	1977	12	31	8	45	0
34,981	1977	12	31	9	0	0
34,982	1977	12	31	9	15	0
34,983	1977	12	31	9	30	0
34,984	1977	12	31	9	45	0
34,985	1977	12	31	10	0	0
34,986	1977	12	31	10	15	0
34,987	1977	12	31	10	30	0
34,988	1977	12	31	10	45	0
34,989	1977	12	31	11	0	0
34,990	1977	12	31	11	15	0
34,991	1977	12	31	11	30	0
34,992	1977	12	31	11	45	0
34,993	1977	12	31	12	0	0
34,994	1977	12	31	12	15	0
34,995	1977	12	31	12	30	0
34,996	1977	12	31	12	45	0

Typical Year Precipitation Data						
Line	Year	Month	Day	Hour	Minute	Precipitation (in)
34,997	1977	12	31	13	0	0
34,998	1977	12	31	13	15	0
34,999	1977	12	31	13	30	0
35,000	1977	12	31	13	45	0
35,001	1977	12	31	14	0	0
35,002	1977	12	31	14	15	0
35,003	1977	12	31	14	30	0
35,004	1977	12	31	14	45	0
35,005	1977	12	31	15	0	0
35,006	1977	12	31	15	15	0
35,007	1977	12	31	15	30	0
35,008	1977	12	31	15	45	0
35,009	1977	12	31	16	0	0
35,010	1977	12	31	16	15	0
35,011	1977	12	31	16	30	0
35,012	1977	12	31	16	45	0
35,013	1977	12	31	17	0	0
35,014	1977	12	31	17	15	0
35,015	1977	12	31	17	30	0
35,016	1977	12	31	17	45	0
35,017	1977	12	31	18	0	0
35,018	1977	12	31	18	15	0
35,019	1977	12	31	18	30	0
35,020	1977	12	31	18	45	0
35,021	1977	12	31	19	0	0
35,022	1977	12	31	19	15	0
35,023	1977	12	31	19	30	0
35,024	1977	12	31	19	45	0
35,025	1977	12	31	20	0	0
35,026	1977	12	31	20	15	0
35,027	1977	12	31	20	30	0
35,028	1977	12	31	20	45	0
35,029	1977	12	31	21	0	0
35,030	1977	12	31	21	15	0
35,031	1977	12	31	21	30	0
35,032	1977	12	31	21	45	0
35,033	1977	12	31	22	0	0
35,034	1977	12	31	22	15	0
35,035	1977	12	31	22	30	0
35,036	1977	12	31	22	45	0
35,037	1977	12	31	23	0	0
35,038	1977	12	31	23	15	0
35,039	1977	12	31	23	30	0
35,040	1977	12	31	23	45	0
Yearly Total (in)						37.52
Maximum Day (in)						1.76
Date of Maximum						6/30/1977
Maximum Month (in)						4.77
Month of Maximum						June

APPENDIX K