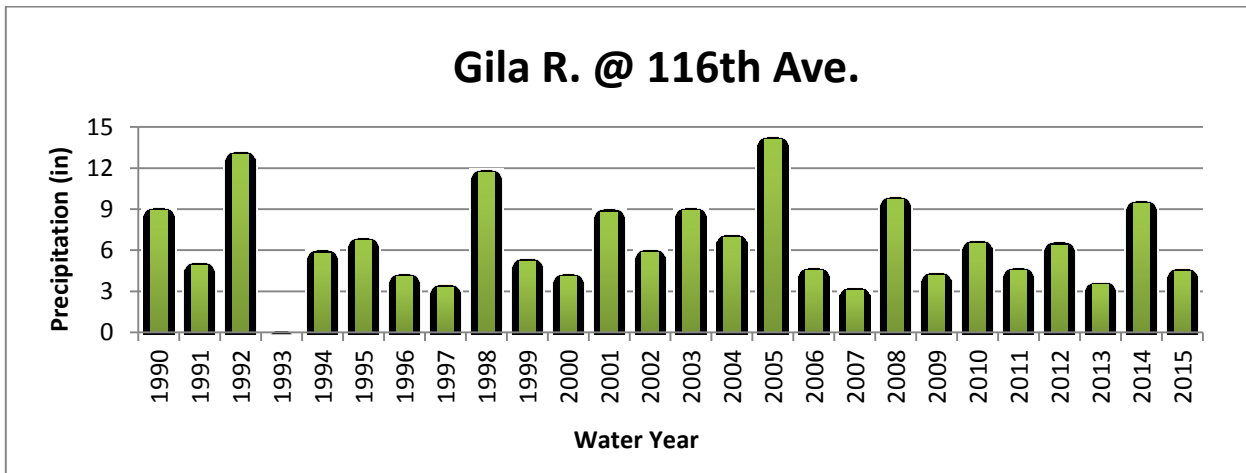




Station Name: Gila River @ 116th Ave.

Station ID Number History:	6845 since 12/16/1998
Station Type:	Rain / Stream
Data Begins:	12/16/1998 at 6845 01/26/1989 from Holly Acres Station
Years Since Installation:	26.68 (as of 10/01/15)
Data Repeater:	White Tank Peak
County:	Maricopa
Latitude:	33° 22' 58.2" (33.38282)
Longitude:	112° 18' 29.2" (112.30812)
Elevation:	955 ft. msl
Location:	1/4 mile NNW of 115th Ave. and Baseline Road
Data Record:	
Incomplete Months:	01/93
Missing Months:	None
Remarks:	Records Good



Data Statistics for Period of Record:

Number of storms greater than 1 inch in 24 hours:	26	
Number of storms greater than 2 inches in 24 hours:	5	
Number of storms greater than 3 inches in 24 hours:	1	
		Approx. T_r
Greatest 15 minute total:	1.50" on 09/07/02	324 years
Greatest 1 hour total:	2.48" on 08/02/05	312 years
Greatest 3 hour total:	3.07" on 09/08/14	468 years
Greatest 6 hour total:	3.35" on 09/08/14	545 years
Greatest 24 hour total:	3.35" on 09/08/14	90 years
Greatest 72 hour total:	3.35" on 09/08/14	36 years

Water Year Totals (Mean of Complete Water Years [25] = 6.73 inches):

Water Year	Total	Water Year	Total	Water Year	Total
2019		2009	4.17	1999	5.20
2018		2008	9.72	1998	11.65
2017		2007	3.07	1997	3.31
2016		2006	4.53	1996	4.09
2015	4.45	2005	14.06	1995	6.69
2014	9.41	2004	6.93	1994	5.79
2013	3.50	2003	8.90	1993	M
2012	6.38	2002	5.83	1992	12.95
2011	4.53	2001	8.78	1991	4.92
2010	6.46	2000	4.09	1990	8.90

M: One or more months contain partial or missing data

Design Rainfall for this Geographic Location:

Click this [link](#) for Point Precipitation Frequency Estimates (Annual Maximum Series) in Tabular and Graphical Formats from NOAA Atlas 14, Volume I, Version 5

Flood Control District of Maricopa County ALERT System

Daily Rainfall at Gila R. @ 116th Ave. (gage # 6845) for Water Year 2012

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
1			.08										
2													
3													
4		.28								.24			
5		.20									.04		
6													
7		.16											
8													
9												.47	
10												.04	
11										.04		.04	
12			.08							.39			
13		.16	.20										
14			.08							.47			
15													
16													
17			.04								.24		
18			.08			.79							
19													
20													
21											1.50		
22											.20		
23										.16	.35		
24													
25													
26													
27													
28													
29										.08			
30					----								
31		----			----		----		----			----	
SUM	0.00	0.79	0.55	0.00	0.00	0.79	0.00	0.00	0.00	1.38	2.32	0.55	
ACC	0.00	0.79	1.34	1.34	1.34	2.13	2.13	2.13	2.13	3.51	5.83	6.38	
MAX	0.00	0.28	0.20	0.00	0.00	0.79	0.00	0.00	0.00	0.47	1.50	0.47	
NO.	0	4	6	0	0	1	0	0	0	6	5	3	
												Maximum Daily Rainfall	1.50
												Maximum Monthly Rainfall	2.32
												Total Annual Rainfall	6.38
												Number of Days with Rain	25

Flood Control District of Maricopa County ALERT System

Daily Rainfall at Gila R. @ 116th Ave (gage # 6845) for Water Year 2009

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3										.08		
4				.08								
5												.28
6												
7					.08							
8					.24							
9					.51							
10					.04							
11							.20					
12												
13											.31	
14												
15												
16			.63									
17			.12									
18			.16									
19												
20												
21										.24		
22			.28					.20			.12	
23			.04									
24												
25			.08									
26		.04	.16									
27		.16										
28												
29					----							
30					----							
31		----			----		----		----		.16	----
SUM	0.00	0.20	1.46	0.08	0.87	0.00	0.20	0.20	0.00	0.31	0.59	0.28
ACC	0.00	0.20	1.65	1.73	2.60	2.60	2.80	2.99	2.99	3.31	3.90	4.17
MAX	0.00	0.16	0.63	0.08	0.51	0.00	0.20	0.20	0.00	0.24	0.31	0.28
NO.	0	2	7	1	4	0	1	1	0	2	3	1
	Maximum Daily Rainfall											0.63
	Maximum Monthly Rainfall											1.46
	Total Annual Rainfall											4.17
	Number of Days with Rain											22

Notes:

Annual rainfall in millimeters: 106

Total down-time: 0.00 days

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Gila R. @ 116th Ave (gage # 6845) for Water Year 2008

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1			.04									
2												
3												
4					.04							
5				.04								
6												
7			.20	.71							.16	
8			.08								.08	
9												
10			.04							1.14		
11			.16							.24		
12			.04									
13										.87		
14											.04	
15					.04							
16												
17												
18												
19												
20					.04					.16		
21												
22								.24				
23								.20				
24				.31								
25											.59	
26											.04	
27				1.26								
28				.20							.71	
29											.04	
30		1.85			----						.20	
31		----			----		----		----			----
SUM	0.00	1.85	0.55	2.52	0.12	0.00	0.00	0.43	0.00	2.40	1.85	0.00
ACC	0.00	1.85	2.40	4.92	5.04	5.04	5.04	5.47	5.47	7.87	9.72	9.72
MAX	0.00	1.85	0.20	1.26	0.04	0.00	0.00	0.24	0.00	1.14	0.71	0.00
NO.	0	1	6	5	3	0	0	2	0	4	8	0

Maximum Daily Rainfall 1.85
Maximum Monthly Rainfall 2.52
Total Annual Rainfall 9.72
Number of Days with Rain 29

Notes:

Annual rainfall in millimeters: 247

Total down-time: 0.00 days

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Gila R. @ 116th Ave (gage # 6845) for Water Year 2005

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
1													
2											2.64		
3				.63							.20		
4			.28	.55									
5			.39			.39							
6			.12			.04							
7		.43	.04										
8		.16									.20		
9													
10					.20						.39		
11					.75								
12		.12			.31								
13													
14											.20		
15		.08											
16		.04											
17					.16								
18					.35								
19					.51								
20					.28								
21	.24	.24			.12								
22		.20			.16								
23					.71		.35			.43			
24				.08	.04		.04						
25													
26				.39									
27													
28	.63		.04										
29			.67	.20	-----								
30			.04		-----					.04			
31		-----			-----		-----		-----			-----	
SUM	0.87	1.26	1.57	1.85	3.58	0.43	0.39	0.00	0.00	0.47	3.62	0.00	
ACC	0.87	2.13	3.70	5.55	9.13	9.57	9.96	9.96	9.96	10.43	14.06	14.06	
MAX	0.63	0.43	0.67	0.63	0.75	0.39	0.35	0.00	0.00	0.43	2.64	0.00	
NO.	2	7	7	5	11	2	2	0	0	2	5	0	
												Maximum Daily Rainfall	2.64
												Maximum Monthly Rainfall	3.62
												Total Annual Rainfall	14.06
												Number of Days with Rain	43

Notes:

Annual rainfall in millimeters: 357

Total down-time: 0.00 days

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Gila R. @ 116th Ave (gage # 6845) for Water Year 2004

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1							.04					
2						.08	.98					
3							.04					
4						.16						
5						.16					.04	
6												
7												
8												
9												
10												
11			.16									
12		.63										
13		.04								.79	.20	
14										1.61		
15											.67	
16												
17												
18											.08	
19												.04
20												
21												
22				.16	.04							
23				.08	.79							
24			.04		.04							
25				.04								
26			-----							.04		
27			-----									
28			-----									
29												
30					-----							
31		-----			-----		-----		-----			-----
SUM	0.00	0.67	0.20	0.28	0.87	0.39	1.06	0.00	0.00	2.44	0.98	0.04
ACC	0.00	0.67	0.87	1.14	2.01	2.40	3.46	3.46	3.46	5.91	6.89	6.93
MAX	0.00	0.63	0.16	0.16	0.79	0.16	0.98	0.00	0.00	1.61	0.67	0.04
NO.	0	2	2	3	3	3	3	0	0	3	4	1
							Maximum Daily Rainfall					1.61
							Maximum Monthly Rainfall					2.44
							Total Annual Rainfall					6.93
							Number of Days with Rain					24

Notes:

Annual rainfall in millimeters: 176

Total down-time: 3.45 days

Gage 6845 down from 12/25 21:04 (22) through 12/29 07:54 (22) for unknown reason; no rain fell.

Flood Control District of Maricopa County ALERT System
 Daily Rainfall at Gila River @ 116th Ave (gage # 6845) for Water Year 2003

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1											.08	
2												
3												
4												
5												
6												
7												
8				.47								
9				.04								.04
10												
11												
12					.24							
13					.98							
14					.51					1.89		
15							.12			.08		
16						.43						
17						.16						
18												
19												
20			.04	.04								
21				.04								
22												
23			.08								.08	
24									.04			.08
25					.51							
26	.12				.04						.94	
27					.24							
28					.04							
29		.43			-----					1.10		
30		.04			-----							
31		-----			-----		-----		-----			-----
SUM	0.12	0.47	0.12	0.59	2.56	0.59	0.12	0.00	0.00	1.14	3.07	0.12
ACC	0.12	0.59	0.71	1.30	3.86	4.45	4.57	4.57	4.57	5.71	8.78	8.90
MAX	0.12	0.43	0.08	0.47	0.98	0.43	0.12	0.00	0.00	1.10	1.89	0.08
NO.	1	2	2	4	7	2	1	0	0	2	5	2
	Maximum Daily Rainfall											1.89
	Maximum Monthly Rainfall											3.07
	Total Annual Rainfall											8.90
	Number of Days with Rain											28

Notes:

Total annual rainfall in millimeters: 226

Total down-time: 0.00 days

Flood Control District of Maricopa County ALERT System Daily Rainfall at Gila River @ 116th Ave (gage # 6845) for Water Year 2001

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep		
1														
2														
3														
4	.24													
5							.08							
6		.08					.04							
7						.59								
8				.12										
9	.08			.04										
10	.71													
11														
12				.63										
13					.12						.04	.28		
14					.43									
15					.04									
16				.20										
17										.51	.31			
18								----						
19								----						
20								----						
21	.63						.12	----						
22	.71													
23	.28													
24	.20													
25					.08									
26														
27	.91			.55	.12									
28	.04				.12									
29					----									
30	.31				----					.16				
31	.04	----			----		----		----			----		
SUM	4.13	0.08	0.00	1.54	0.91	0.59	0.24	0.00	0.00	0.67	0.35	0.28		
ACC	4.13	4.21	4.21	5.75	6.65	7.24	7.48	7.48	7.48	8.15	8.50	8.78		
MAX	0.91	0.08	0.00	0.63	0.43	0.59	0.12	0.00	0.00	0.51	0.31	0.28		
NO.	11	1	0	5	6	1	3	0	0	2	2	1		
													Maximum Daily Rainfall	0.91
													Maximum Monthly Rainfall	4.13
													Total Annual Rainfall	8.78
													Number of Days with Rain	32

Notes:

Annual rainfall in millimeters: 223 Total down-time: 4.50 days
Gage 6845 down from 5/17 20:44 (190) through 5/22 08:44 (190) due to transmitter failure; no rain fell.

Flood Control District of Maricopa County ALERT System

Daily Rainfall at Gila R. @ 116th Ave (gage # 6845) for Water Year 2000

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
1													
2													
3													
4													
5						.87							
6						1.26							
7						.28					.47		
8										.16			
9													
10													
11													
12													
13													
14													
15													
16													
17											.04		
18									.04				
19													
20													
21						.31							
22									.08				
23													
24													
25													
26													
27											.04		
28									.24				
29									.08				
30						----				.12			
31		----				----	.08	----	----	.04		----	
SUM	0.00	0.00	0.00	0.00	0.31	2.48	0.00	0.00	0.43	0.31	0.55	0.00	
ACC	0.00	0.00	0.00	0.00	0.31	2.80	2.80	2.80	3.23	3.54	4.09	4.09	
MAX	0.00	0.00	0.00	0.00	0.31	1.26	0.00	0.00	0.24	0.16	0.47	0.00	
NO.	0	0	0	0	1	4	0	0	4	3	3	0	
												Maximum Daily Rainfall	1.26
												Maximum Monthly Rainfall	2.48
												Total Annual Rainfall	4.09
												Number of Days with Rain	15

Notes:

Annual rainfall in millimeters: 104

Total down-time: 0 days

Flood Control District of Maricopa County ALERT System
 Daily Rainfall at **Gila R. @ 116th Ave** (gauge # 6845) for Water Year 1999

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	----	----	----				.20					
2	----	----	----				.87		.04			
3	----	----	----									
4	----	----	----		.28		.08					
5	----	----	----								.12	
6	----	----	.28									
7	----	----	----			.04				.51		
8	----	----	----									
9	----	----	----									
10	----	----	----								.08	
11	----	----	----									
12	----	----	----									
13	----	----	----				.04					
14	----	----	----							.63		.08
15	----	----	.08							.20		.16
16	----	----	----			.04						.04
17	----	----	----									
18	----	----	----									
19	----	----	----									.39
20	----	----	----									
21	----	----	----									
22	----	----	----									
23	----	----	----									.08
24	----	----	----									
25	----	----	----	.04								
26	----	----	----									
27	----	----	----								.39	
28	----	----	----							.28	.04	
29	----	.04	----		----				.04			
30	----	----	----		----						.04	
31	----	----	----		----		----		----			----
SUM	0.00	0.04	0.35	0.04	0.28	0.08	1.18	0.00	0.04	1.65	0.67	0.75
ACC	0.00	0.04	0.39	0.43	0.83	0.91	2.09	2.09	2.13	3.78	4.45	5.20
MAX	0.00	0.04	0.28	0.04	0.28	0.04	0.87	0.00	0.04	0.63	0.39	0.39
NO.	0	1	2	1	1	2	4	0	1	5	5	5
	Maximum Daily Rainfall											0.87
	Maximum Monthly Rainfall											1.65
	Total Annual Rainfall											5.20
	Number of Days with Rain											27

Notes:

Total annual rainfall in millimeters: 132

Total down-time: 0.00 days

Gila R. @ 116th Ave. Station installed 12/16/1998.

Flood Control District of Maricopa County ALERT System
 Daily Rainfall at Holly Acres (gage # 6860) for Water Year 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1													
2													
3													
4			0.04	0.47									
5			0.28	0.20									
6			0.08			0.24						0.16	
7												0.20	
8													
9													
10													
11						0.63					0.08		
12		0.24		0.04	0.04	0.28					0.16		
13					0.20								
14													
15	0.31										0.04		
16							0.08	0.04					
17				0.04									
18							0.24						
19							0.24				0.08		
20											0.63		
21					0.08						0.04		
22											0.04		
23			0.55										
24													
25			0.59	0.04									
26			0.04	0.04									
27													
28												0.12	
29			0.12										
30													
31													
SUM	0.31	0.24	1.69	0.83	0.31	1.14	0.55	0.04	0.00	0.00	1.06	0.47	
ACC	0.31	0.55	2.24	3.07	3.39	4.57	5.12	5.16	5.16	5.16	6.22	6.69	
MAX	0.31	0.24	0.59	0.47	0.20	0.63	0.24	0.04	0.00	0.00	0.63	0.20	
NO.	1	1	7	6	3	3	3	1	0	0	7	3	
												Maximum Daily Rainfall	0.63
												Maximum Monthly Rainfall	1.69
												Total Annual Rainfall	6.69
												Number of Days with Rain	35

Notes:

Annual rainfall in mm: 170

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Holly Acres (gauge # 6860) for Water Year 1994

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1													
2												0.08	
3													
4												0.04	
5													
6	0.08												
7					0.43	0.43							
8					0.16								
9					0.04								
10													
11		0.04											
12		0.04											
13		0.28										0.55	
14		0.98											
15		0.55											
16	0.08										0.12		
17													
18										0.12			
19						0.24							
20						0.08			0.04				
21												0.24	
22													
23													
24								0.20					
25				0.08		0.79		0.04					
26													
27													
28										0.08			
29													
30													
31													
SUM	0.16	1.89	0.00	0.08	0.63	1.54	0.00	0.24	0.04	0.20	0.12	0.91	
ACC	0.16	2.05	2.05	2.13	2.76	4.29	4.29	4.53	4.57	4.76	4.88	5.79	
MAX	0.08	0.98	0.00	0.08	0.43	0.79	0.00	0.20	0.04	0.12	0.12	0.55	
NO.	2	5	0	1	3	4	0	2	1	2	1	4	
												Maximum Daily Rainfall	0.98
												Maximum Monthly Rainfall	1.89
												Total Annual Rainfall	5.79
												Number of Days with Rain	25

Notes:

Annual rainfall in mm: 147

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Holly Acres (gage # 6860) for Water Year 1993

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3			.08	.12								
4			.98									
5				.04								
6				.39							.24	
7				.47								
8			1.06	.55	.63						.04	
9				-----	.04							
10				-----	.16							
11				-----								
12				-----								.04
13				-----								
14				-----	.20							
15				-----	.12			.08				
16				-----								
17				-----								
18			.04	-----								
19				-----	.04						.04	
20				-----								
21				-----								
22				-----								
23				-----								
24				-----							.12	
25											.08	
26						.31						
27			.20		.04	.04					.12	
28	.04		.75		.51	.79					.47	
29			.08		-----	.16					2.09	
30					-----							
31		-----			-----		-----		-----			-----
SUM	0.04	0.00	3.19	1.57	1.73	1.30	0.00	0.08	0.00	0.00	3.19	0.04
ACC	0.04	0.04	3.23	4.80	6.54	7.83	7.83	7.91	7.91	7.91	11.10	11.14
MAX	0.04	0.00	1.06	0.55	0.63	0.79	0.00	0.08	0.00	0.00	2.09	0.04
NO.	1	0	7	5	8	4	0	1	0	0	8	1
											Maximum Daily Rainfall	2.09
											Maximum Monthly Rainfall	3.19
											Partial Annual Rainfall	11.14
											Number of Days with Rain	35

Station removed in January 1993 due to flood inundation, rainfall events missed.

Flood Control District of Maricopa County ALERT System

Daily Rainfall at Holly Acres (gage # 6860) for Water Year 1991

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	.31					.20						
2		.16										
3												.47
4				.20								
5												.04
6												
7												
8				.04								
9												
10												
11											.55	
12												
13												
14									.04			
15			.04			.43						
16												
17												
18												
19						.08						
20						.35						
21						.04						
22												.04
23												
24												
25												
26		.04				.39						
27					.04	.47					.04	
28			.08		.47							
29			.08		-----							
30					-----							
31		-----			-----		-----		-----			-----
SUM	0.31	0.20	0.20	0.24	0.51	1.97	0.00	0.00	0.04	0.00	0.59	0.55
ACC	0.31	0.51	0.71	1.26	1.77	3.74	3.74	3.74	3.78	3.78	4.37	4.92
MAX	0.31	0.16	0.08	0.20	0.47	0.47	0.00	0.00	0.04	0.00	0.55	0.47
NO.	1	2	3	2	2	7	0	0	1	0	2	3
											Maximum Daily Rainfall	0.55
											Maximum Monthly Rainfall	1.97
											Total Annual Rainfall	4.92
											Number of Days with Rain	23

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Holly Acres (gage # 6860) for Water Year 1989

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
1	-----	-----	-----	-----									
2	-----	-----	-----	-----									
3	-----	-----	-----	-----								.47	
4	-----	-----	-----	-----									
5	-----	-----	-----	-----									
6	-----	-----	-----	-----									
7	-----	-----	-----	-----									
8	-----	-----	-----	-----									
9	-----	-----	-----	-----									
10	-----	-----	-----	-----									
11	-----	-----	-----	-----									
12	-----	-----	-----	-----									
13	-----	-----	-----	-----									
14	-----	-----	-----	-----							.12		
15	-----	-----	-----	-----				.08			.12		
16	-----	-----	-----	-----									
17	-----	-----	-----	-----									
18	-----	-----	-----	-----									
19	-----	-----	-----	-----									
20	-----	-----	-----	-----									
21	-----	-----	-----	-----									
22	-----	-----	-----	-----									
23	-----	-----	-----	-----									
24	-----	-----	-----	-----									
25	-----	-----	-----	-----									
26	-----	-----	-----	-----		.63							
27	-----	-----	-----	-----									
28	-----	-----	-----	-----									
29	-----	-----	-----	-----									
30	-----	-----	-----	-----									
31	-----	-----	-----	-----						.08			
SUM	-----	-----	-----	0.00	0.00	0.63	0.00	0.08	0.00	0.08	0.24	0.47	
ACC	-----	-----	-----	0.00	0.00	0.63	0.63	0.71	0.71	0.79	1.02	1.50	
MAX	-----	-----	-----	0.00	0.00	0.63	0.00	0.08	0.00	0.08	0.12	0.47	
NO.	-----	-----	-----	0	0	1	0	1	0	1	2	1	
												Maximum Daily Rainfall	0.63
												Maximum Monthly Rainfall	0.63
												Partial Annual Rainfall	1.50
												Number of Days with Rain	6

Station installed on 01/26/1989.