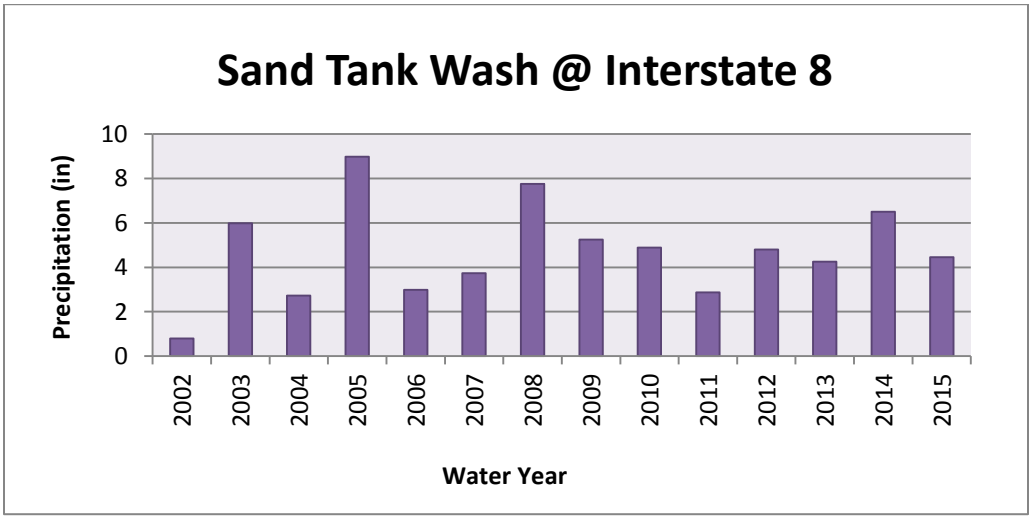
Station Name: Sand Tank Wash @ I-8

Station ID Number History:	**6930** since 06/28/2001
Station Type:	Rain / Stream
Data Begins:	06/28/2001
Years Since Installation:	14.26 (as of 10/01/15)
Data Repeater:	White Tank Peak
County:	Maricopa
Latitude:	32° 55’ 59.1” (32.93310)
Longitude:	112° 42’ 20.8” (112.70579)
Elevation:	765 ft. msl
Location:	On I-8 bridge south of Gila Bend
Data Record:	
Incomplete Months:	None
Missing Months:	None
Remarks:	Records Good



Data Statistics for Period of Record:

Number of storms greater than 1 inch in 24 hours:	9	
Number of storms greater than 2 inches in 24 hours:	1	
Number of storms greater than 3 inches in 24 hours:	0	
		Approx. T_r
Greatest 15 minute total:	0.63" on 07/23/07	6 years
Greatest 1 hour total:	1.46" on 07/23/07	21 years
Greatest 3 hour total:	1.50" on 07/23/07	14 years
Greatest 6 hour total:	1.50" on 07/23/07	9 years
Greatest 24 hour total:	2.40" on 11/22/13	21 years
Greatest 72 hour total:	2.56" on 11/22/13	16 years

Water Year Totals (Mean of Complete Water Years [14] = 4.71 inches):

Water Year	Total	Water Year	Total
2020		2010	4.88
2019		2009	5.24
2018		2008	7.76
2017		2007	3.74
2016		2006	2.99
2015	4.45	2005	8.98
2014	6.50	2004	2.72
2013	4.25	2003	5.98
2012	4.80	2002	0.79
2011	2.87	2001	M

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 Sand Tank Wash @ I-8 (gage # 6930) for Water Year 2015

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2						.59						
3												.04
4			.75					.04		.04		.16
5												.04
6												
7												
8	.20										.04	
9												
10												
11				.04								
12				.04								
13			.20	.08								
14												
15								.79				
16								.04				
17												
18										.12		
19												
20												
21												.04
22												
23												
24												
25												
26				.08								
27				.08								
28												
29				.20	----							
30				.24	----							
31		----	.04	.59	----		----		----			----
SUM	0.20	0.00	0.98	1.34	0.00	0.59	0.00	0.87	0.00	0.16	0.04	0.28
ACC	0.20	0.20	1.18	2.52	2.52	3.11	3.11	3.98	3.98	4.13	4.17	4.45
MAX	0.20	0.00	0.75	0.59	0.00	0.59	0.00	0.79	0.00	0.12	0.04	0.16
NO.	1	0	3	8	0	1	0	3	0	2	1	4

Maximum Daily Rainfall	0.79
Maximum Monthly Rainfall	1.34
Total Annual Rainfall	4.45
Number of Days with Rain	23

Flood Control District of Maricopa County ALERT System

Daily Rainfall at Sand Tank Wash @ I-8 (gage # 6930) for Water Year 2014

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1						.35						
2												
3										.04		
4		.35										
5										.04		
6												
7										.12		
8												.04
9										.04		.08
10												
11												
12												
13											.16	
14										.08		
15												
16												.28
17											.04	
18												
19											.12	
20			.12									
21		.04									.98	
22		2.40										
23		.12										
24										.04		
25												
26												
27										.35		.71
28												
29					----							
30					----							
31		----			----		----		----			----
SUM	0.00	2.91	0.12	0.00	0.00	0.35	0.00	0.00	0.00	0.71	1.30	1.10
ACC	0.00	2.91	3.03	3.03	3.03	3.39	3.39	3.39	3.39	4.09	5.39	6.50
MAX	0.00	2.40	0.12	0.00	0.00	0.35	0.00	0.00	0.00	0.35	0.98	0.71
NO.	0	4	1	0	0	1	0	0	0	7	4	4

Maximum Daily Rainfall	2.40
Maximum Monthly Rainfall	2.91
Total Annual Rainfall	6.50
Number of Days with Rain	21

Flood Control District of Maricopa County ALERT System

Daily Rainfall at Sand Tank Wash @ I-8 (gage # 6930) for Water Year 2013

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
4												
5												
6												
7												
8						.47						
9												
10												
11										.12		
12												
13			.08									
14			.12									
15			.12									
16			.04									
17												
18											.20	
19												
20					.16					.04		
21					.04					.98		
22												----
23												
24												
25											.08	
26				.83							.20	
27												
28				.04							.16	
29					----						.59	
30					----							
31		----			----		----		----			----
SUM	0.00	0.00	0.35	0.87	0.20	0.47	0.00	0.00	0.00	1.14	1.22	0.00
ACC	0.00	0.00	0.35	1.22	1.42	1.89	1.89	1.89	1.89	3.03	4.25	4.25
MAX	0.00	0.00	0.12	0.83	0.16	0.47	0.00	0.00	0.00	0.98	0.59	0.00
NO.	0	0	4	2	2	1	0	0	0	3	5	0

Maximum Daily Rainfall	0.98
Maximum Monthly Rainfall	1.22
Total Annual Rainfall	4.25
Number of Days with Rain	17

Gage 6930 down from 9/21 02:51 (108) through 9/23 08:51 (108) due to repeater failure; no rain fell.

Flood Control District of Maricopa County ALERT System

Daily Rainfall at Sand Tank Wash @ I-8 (gage # 6930) for Water Year 2012

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
4	.04	.31								.24		
5		.04										
6												
7		.28										
8												
9												
10												.04
11										.08	.31	
12										.16		
13		.43	.31								.20	
14										.16		
15												
16												
17											.35	
18			.12			.59						
19												
20												
21										.20	.16	
22												
23												
24												
25												
26							.04					
27												
28												
29										.75		
30					----							
31		----			----		----		----			----
SUM	0.04	1.06	0.43	0.00	0.00	0.59	0.04	0.00	0.00	1.57	1.02	0.04
ACC	0.04	1.10	1.54	1.54	1.54	2.13	2.17	2.17	2.17	3.74	4.76	4.80
MAX	0.04	0.43	0.31	0.00	0.00	0.59	0.04	0.00	0.00	0.75	0.35	0.04
NO.	1	4	2	0	0	1	1	0	0	6	4	1

Maximum Daily Rainfall	0.75
Maximum Monthly Rainfall	1.57
Total Annual Rainfall	4.80
Number of Days with Rain	20

Flood Control District of Maricopa County ALERT System

Daily Rainfall at Sand Tank Wash @ I-8 (gage # 6930) for Water Year 2011

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
4										.16		
5	.08									.12		
6												
7												
8												
9							.16			.04		
10												
11												.12
12												
13												.08
14												
15												
16												
17												
18												
19					.28							
20	.20				.04							
21						.20						
22			.20			.04						
23												
24										.12		.12
25										.08		
26					.28							
27					.20							
28												
29			.28		----							
30			.04		----							
31		----			----		----		----	.08		----
SUM	0.28	0.00	0.51	0.00	0.79	0.24	0.16	0.00	0.00	0.59	0.00	0.31
ACC	0.28	0.28	0.79	0.79	1.57	1.81	1.97	1.97	1.97	2.56	2.56	2.87
MAX	0.20	0.00	0.28	0.00	0.28	0.20	0.16	0.00	0.00	0.16	0.00	0.12
NO.	2	0	3	0	4	2	1	0	0	6	0	3

Maximum Daily Rainfall	0.28
Maximum Monthly Rainfall	0.79
Total Annual Rainfall	2.87
Number of Days with Rain	21

Annual Total (mm): 73

Days Down: 0

Flood Control District of Maricopa County ALERT System

Daily Rainfall at Sand Tank Wash @ I-8 (gage # 6930) for Water Year 2010

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
4												
5												
6												
7			.04		.04	.20					.20	
8												
9												
10					.12							
11												
12		----										
13		----										
14		----										
15		----										
16												
17												
18				.04								
19				1.18								
20				.08	.04							
21				.83	.04							.59
22				.12	.04					.12		
23						.20						
24											.08	
25												
26								----				
27					.51						.20	
28					.04							
29					----							
30					----							
31		----			----		----		----	.12		----
SUM	0.00	0.00	0.04	2.24	0.83	0.39	0.00	0.00	0.00	0.24	0.47	0.59
ACC	0.00	0.00	0.04	2.36	3.19	3.58	3.58	3.59	3.59	3.82	4.29	4.88
MAX	0.00	0.00	0.04	1.18	0.51	0.20	0.00	0.00	0.00	0.12	0.20	0.59
NO.	0	0	1	5	7	2	0	0	0	2	3	1

Maximum Daily Rainfall	1.18
Maximum Monthly Rainfall	2.32
Total Annual Rainfall	4.88
Number of Days with Rain	21

Notes:

Annual rainfall in millimeters: 124

Gage 6930 down from 11/11 08:32 (0) through 11/16 10:41 (0) due to battery failure; assumed no rain fell.

Gage 6930 down from 05/24 23:02 (091) through 05/27 09:47 (091) due to programming error; no rain fell.

Flood Control District of Maricopa County ALERT System

Daily Rainfall at Sand Tank Wash @ I -8 (gage # 6930) for Water Year 2009

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
4												
5												
6												
7					.12							.12
8					.16							.24
9					.39							.04
10												
11							.08					
12												
13											.79	
14												
15												
16			.51									
17			.04		.08							
18			.04									
19										1.10		
20												
21											.12	
22			.04					.31		.04	.39	
23			.04									
24												
25			.47									
26												
27		.08										
28												
29					----							
30					----							
31		----			----		----		----			----
SUM	0.00	0.08	1.14	0.00	0.75	0.00	0.08	0.31	0.00	1.14	1.30	0.39
ACC	0.00	0.08	1.22	1.22	2.01	2.01	2.09	2.40	2.40	3.54	4.84	5.24
MAX	0.00	0.08	0.51	0.00	0.39	0.00	0.08	0.31	0.00	1.10	0.79	0.24
NO.	0	1	6	0	4	0	1	1	0	2	3	3

Maximum Daily Rainfall	1.10
Maximum Monthly Rainfall	1.30
Total Annual Rainfall	5.24
Number of Days with Rain	21

Notes:

Annual rainfall in millimeters: 133

Total down-time: 0.00 days

Flood Control District of Maricopa County ALERT System

Daily Rainfall at Sand Tank @ I -8 (gage # 6930) for Water Year 2008

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1			.04									
2												
3												
4												
5												----
6												----
7				.16							.04	----
8			.04									
9												
10										.31		
11			.51									.12
12												
13												
14											.55	
15												
16												
17												
18												
19										.16		
20										.12		
21												
22								1.85				
23								.08				
24												
25												
26											.08	
27				.91								
28											.71	
29											.04	
30		1.26			----						.47	
31		----			----		----		----		.31	----
SUM	0.00	1.26	0.59	1.06	0.00	0.00	0.00	1.93	0.00	0.59	2.20	0.12
ACC	0.00	1.26	1.85	2.91	2.91	2.91	2.91	4.84	4.84	5.43	7.64	7.76
MAX	0.00	1.26	0.51	0.91	0.00	0.00	0.00	1.85	0.00	0.31	0.71	0.12
NO.	0	1	3	2	0	0	0	2	0	3	7	1

Maximum Daily Rainfall	1.85
Maximum Monthly Rainfall	2.20
Total Annual Rainfall	7.76
Number of Days with Rain	19

Notes:

Annual rainfall in millimeters: 197 Total down-time: 4.31 days

Gage 6930 down from 9/04 01:23 (194) through 9/08 08:56 (194) due to transmitter failure; no rain fell.

Flood Control District of Maricopa County ALERT System

Daily Rainfall at Sand Tank Wash @ I -8 (gage # 6930) for Water Year 2007

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14											.04	
15											.24	
16												
17												
18												
19				.04	.08							
20												
21							.12					.04
22						.59						
23						.08				1.50		
24										.04		
25										.20	.08	
26										.47		
27												
28												
29					----							
30					----						.04	
31		----		.20	----		----		----			----
SUM	0.00	0.00	0.00	0.24	0.08	0.67	0.12	0.00	0.00	2.20	0.39	0.04
ACC	0.00	0.00	0.00	0.24	0.31	0.98	1.10	1.10	1.10	3.31	3.70	3.74
MAX	0.00	0.00	0.00	0.20	0.08	0.59	0.12	0.00	0.00	1.50	0.24	0.04
NO.	0	0	0	2	1	2	1	0	0	4	4	1

Maximum Daily Rainfall	1.50
Maximum Monthly Rainfall	2.20
Total Annual Rainfall	3.74
Number of Days with Rain	15

Notes:

Annual rainfall in millimeters: 95

Total down-time: 0.00 days

Flood Control District of Maricopa County ALERT System

Daily Rainfall at Sand Tank Wash @ I -8 (gage # 6930) for Water Year 2006

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
4												
5												
6												
7										.08		.28
8												
9												.12
10												
11						1.10						
12												.16
13												
14											.39	
15												
16												
17	.04											
18	.24											
19						.04						
20												
21											.43	
22				----							----	
23											----	
24												
25												
26										.12		
27												
28												
29					----							
30					----							
31		----			----		----		----			----
SUM	0.28	0.00	0.00	0.00	0.00	1.14	0.00	0.00	0.00	0.20	0.83	0.55
ACC	0.28	0.28	0.28	0.28	0.28	1.42	1.42	1.42	1.42	1.61	2.44	2.99
MAX	0.24	0.00	0.00	0.00	0.00	1.10	0.00	0.00	0.00	0.12	0.43	0.28
NO.	2	0	0	0	0	2	0	0	0	2	2	3

Maximum Daily Rainfall	1.10
Maximum Monthly Rainfall	1.14
Total Annual Rainfall	2.99
Number of Days with Rain	11

Notes:

Annual rainfall in millimeters: 76 Total down-time: 4.69 days

Gage 6930 down from 1/21 05:28 (7) through 1/23 11:28 (7) due to repeater failure; no rain fell.

Gage 6930 down from 8/21 22:10 (62) through 8/24 08:44 (62) due to battery failure; no rain fell.

Flood Control District of Maricopa County ALERT System

Daily Rainfall at Sand Tank Wash @ I -8 (gage # 6930) for Water Year 2005

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3				.31								
4			.08	.47								
5			.39			.35						.04
6												
7		.39										
8		.12										
9												
10					.12						.31	
11					.47							
12					.28							
13												
14												
15								-----			.24	
16												
17					.04							
18					.51							
19					.55							
20					.08							
21	.55				.24							
22		.12			.04				.08	.04		
23				.04	.47		.04			.04		
24											.79	
25												
26				.20								
27	.04											
28	.79		.08									
29			.59	.08	-----							
30					-----							
31		-----			-----		-----		-----			-----
SUM	1.38	0.63	1.14	1.10	2.80	0.35	0.04	0.00	0.08	0.08	1.34	0.04
ACC	1.38	2.01	3.15	4.25	7.05	7.40	7.44	7.44	7.52	7.60	8.94	8.98
MAX	0.79	0.39	0.59	0.47	0.55	0.35	0.04	0.00	0.08	0.04	0.79	0.04
NO.	3	3	4	5	10	1	1	0	1	2	3	1

Maximum Daily Rainfall	0.79
Maximum Monthly Rainfall	2.80
Total Annual Rainfall	8.98
Number of Days with Rain	34

Notes:

Annual rainfall in millimeters: 228 Total down-time: 2.25 days

Gage 6930 down from 5/14 04:42 (189) through 5/16 10:42 (189) due to repeater failure; no rain fell.

Flood Control District of Maricopa County ALERT System

Daily Rainfall at Sand Tank @ I - 8 (gage # 6930) for Water Year 2004

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2						.04	.24					
3						.16	.24					
4												
5												
6												
7												
8												
9												
10												
11			.04									
12		.31										-----
13												-----
14										.08		-----
15												
16												
17												
18												
19												
20												
21				.31								
22				.16								
23					.55							
24										.16	.08	
25												
26			.04							.31		
27												
28												
29												
30					-----							
31		-----			-----		-----		-----			-----
SUM	0.00	0.31	0.08	0.47	0.55	0.20	0.47	0.00	0.00	0.55	0.08	0.00
ACC	0.00	0.31	0.39	0.87	1.42	1.61	2.09	2.09	2.09	2.64	2.72	2.72
MAX	0.00	0.31	0.04	0.31	0.55	0.16	0.24	0.00	0.00	0.31	0.08	0.00
NO.	0	1	2	2	1	2	2	0	0	3	1	0

Maximum Daily Rainfall	0.55
Maximum Monthly Rainfall	0.55
Total Annual Rainfall	2.72
Number of Days with Rain	14

Notes:

Annual rainfall in millimeters: 69 Total down-time: 3.60 days

Gage 6930 down from 9/11 20:24 (69) through 9/15 10:42 (69) due to battery failure; no rain fell.

Flood Control District of Maricopa County ALERT System

Daily Rainfall at Sand Tank @ I -8 (gage # 6930) for Water Year 2003

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
4												1.26
5												
6												
7												
8				.39								
9												
10												
11												
12					.20							
13					.47							
14					.04						.24	
15							.08				.28	
16						.51						
17												
18												
19												
20				.08								
21												
22												
23												.12
24										.04		.35
25					.59							
26	.24											
27					.04						.12	
28										.08		
29		.67			-----					.20		
30					-----							
31		-----			-----		-----		-----			-----
SUM	0.24	0.67	0.00	0.47	1.34	0.51	0.08	0.00	0.00	0.31	0.63	1.73
ACC	0.24	0.91	0.91	1.38	2.72	3.23	3.31	3.31	3.31	3.62	4.25	5.98
MAX	0.24	0.67	0.00	0.39	0.59	0.51	0.08	0.00	0.00	0.20	0.28	1.26
NO.	1	1	0	2	5	1	1	0	0	3	3	3

Maximum Daily Rainfall	1.26
Maximum Monthly Rainfall	1.73
Total Annual Rainfall	5.98
Number of Days with Rain	20

Notes:

Total annual rainfall in millimeters: 152

Total down-time: 0.00 days

Flood Control District of Maricopa County ALERT System

Daily Rainfall at Sand Tank @ I -8 (gage # 6930) for Water Year 2002

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
4		.04	.16									
5		.08										
6	.04											
7						.04						.04
8												.04
9												
10												
11			.28									
12												
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25												
26												
27												
28												
29					-----							
30				.04	-----							
31	-----				-----		-----		-----			-----
SUM	0.04	0.12	0.43	0.04	0.00	0.04	0.00	0.00	0.00	0.04	0.00	0.08
ACC	0.04	0.16	0.59	0.63	0.63	0.67	0.67	0.67	0.67	0.71	0.71	0.79
MAX	0.04	0.08	0.28	0.04	0.00	0.04	0.00	0.00	0.00	0.04	0.00	0.04
NO.	1	2	2	1	0	1	0	0	0	1	0	2

Maximum Daily Rainfall	0.28
Maximum Monthly Rainfall	0.43
Total Annual Rainfall	0.79
Number of Days with Rain	10

Notes:

Total annual rainfall in millimeters: 20

Total down-time: 0.00 days

Flood Control District of Maricopa County ALERT System

Daily Rainfall at Sand Tank Wash @ I-8 (gage # 6930) for Water Year 2001

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	----	----	----	----	----	----	----	----	----			
2	----	----	----	----	----	----	----	----	----			
3	----	----	----	----	----	----	----	----	----			
4	----	----	----	----	----	----	----	----	----			
5	----	----	----	----	----	----	----	----	----			
6	----	----	----	----	----	----	----	----	----	.04		
7	----	----	----	----	----	----	----	----	----			
8	----	----	----	----	----	----	----	----	----			
9	----	----	----	----	----	----	----	----	----		.04	
10	----	----	----	----	----	----	----	----	----		.20	
11	----	----	----	----	----	----	----	----	----			
12	----	----	----	----	----	----	----	----	----			
13	----	----	----	----	----	----	----	----	----		.31	
14	----	----	----	----	----	----	----	----	----			
15	----	----	----	----	----	----	----	----	----			
16	----	----	----	----	----	----	----	----	----			
17	----	----	----	----	----	----	----	----	----		.59	
18	----	----	----	----	----	----	----	----	----			
19	----	----	----	----	----	----	----	----	----			
20	----	----	----	----	----	----	----	----	----			
21	----	----	----	----	----	----	----	----	----			
22	----	----	----	----	----	----	----	----	----			
23	----	----	----	----	----	----	----	----	----			
24	----	----	----	----	----	----	----	----	----			
25	----	----	----	----	----	----	----	----	----			
26	----	----	----	----	----	----	----	----	----			
27	----	----	----	----	----	----	----	----	----			
28	----	----	----	----	----	----	----	----				
29	----	----	----	----	----	----	----	----				
30	----	----	----	----	----	----	----	----				
31	----	----	----	----	----	----	----	----	----			----
SUM	----	----	----	----	----	----	----	----	0.00	0.04	1.14	0.00
ACC	----	----	----	----	----	----	----	----	0.00	0.04	1.18	1.18
MAX	----	----	----	----	----	----	----	----	0.00	0.04	0.59	0.00
NO.	----	----	----	----	----	----	----	----	0	1	4	0

Maximum Daily Rainfall	0.59
Maximum Monthly Rainfall	1.14
Partial Annual Rainfall	1.18
Number of Days with Rain	5

Notes:

Partial annual rainfall in millimeters: 30

Station installed on 06/28/01.

Total down-time: 0.00 days