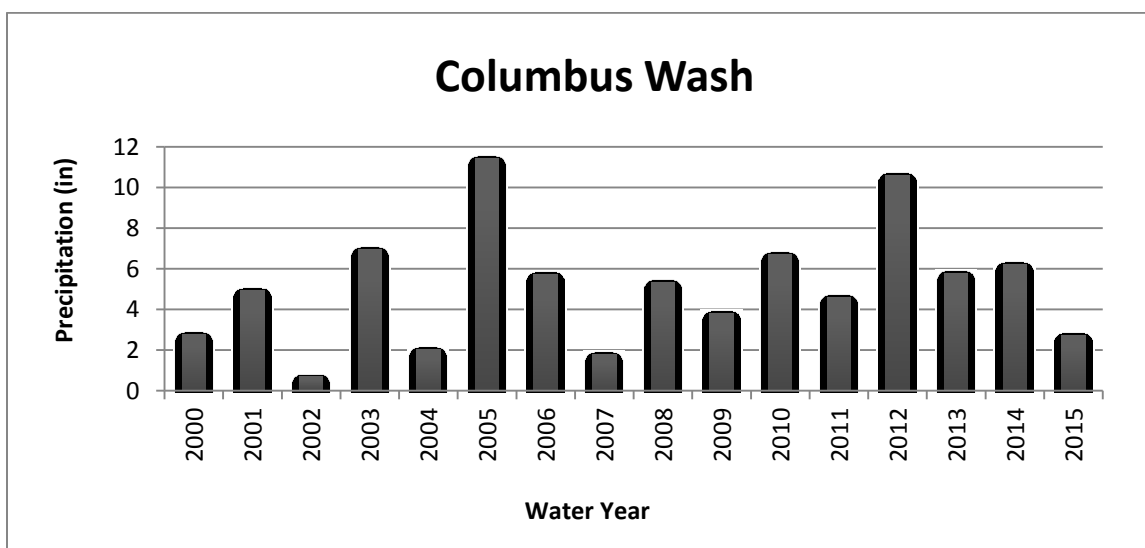




Station Name: Columbus Wash

Station ID Number History:	5010 since 09/21/1999
Station Type:	Rain / Stream
Data Begins:	09/21/1999
Years Since Installation:	16.03 (as of 10/01/15)
Data Repeater:	Mt. Oatman
County:	Maricopa
Latitude:	33° 06' 45.7" (33.11268)
Longitude:	113° 20' 22.1" (113.33946)
Elevation:	720 ft. msl
Location:	8 miles north of Agua Caliente
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:	14	
Number of storms greater than 2 inches in 24 hours:	2	
Number of storms greater than 3 inches in 24 hours:	0	
		Approx. T_r
Greatest 15 minute total:	1.10" on 09/04/12	28 years
Greatest 1 hour total:	1.81" on 09/04/12	26 years
Greatest 3 hour total:	1.81" on 09/04/12	10 years
Greatest 6 hour total:	1.81" on 09/04/12	8 years
Greatest 24 hour total:	2.36" on 01/21/10	12 years
Greatest 72 hour total:	3.15" on 08/22/12	30 years

Water Year Totals: (Mean of Complete Water Years [16] = 5.13 inches)

Water Year	Total	Water Year	Total	Water Year	Total
2020		2010	6.69	2000	2.76
2019		2009	3.82	1999	M
2018		2008	5.35	1998	
2017		2007	1.77	1997	
2016		2006	5.71	1996	
2015	2.72	2005	11.42	1995	
2014	6.22	2004	2.01	1994	
2013	5.79	2003	6.93	1993	
2012	10.59	2002	0.71	1992	
2011	4.61	2001	4.92	1991	

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 Columbus Wash (gage # 5010) for Water Year 2015

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
1													
2						.55							
3						.04							
4			.35									.04	
5													
6													
7													
8													
9													
10													
11				.08									
12													
13			.08										
14													
15								.51		----			
16										----			
17													
18										.12			
19						.12							
20													
21													
22												.04	
23					.08								
24													
25													
26				.43									
27													
28													
29				.04	----								
30				.20	----								
31		----	.04		----		----		----			----	
SUM	0.00	0.00	0.47	0.75	0.08	0.71	0.00	0.51	0.00	0.12	0.00	0.08	
ACC	0.00	0.00	0.47	1.22	1.30	2.01	2.01	2.52	2.52	2.64	2.64	2.72	
MAX	0.00	0.00	0.35	0.43	0.08	0.55	0.00	0.51	0.00	0.12	0.00	0.04	
NO.	0	0	3	4	1	3	0	1	0	1	0	2	
Maximum Daily Rainfall													0.55
Maximum Monthly Rainfall													0.75
Total Annual Rainfall													2.72
Number of Days with Rain													15

Gage 5010 down from 7/14 04:59 (64) through 7/17 18:00 (64) due to ALERT2 conversion; no rain fell.

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Columbus Wash (gage # 5010) for Water Year 2014

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1						.83					.35	
2						.04						
3												
4												
5										.28		
6												
7										.16		
8												.04
9										.12		
10												
11												
12											.75	
13											.04	
14										.31		
15												
16												
17												
18												
19												
20			.04									
21		.79	----								.04	
22		1.38	----									
23		.75										
24												
25												
26												
27										.08		.20
28					.04							
29					----							
30					----							
31		----			----		----		----			----
SUM	0.00	2.91	0.04	0.00	0.04	0.87	0.00	0.00	0.00	0.94	1.18	0.24
ACC	0.00	2.91	2.95	2.95	2.99	3.86	3.86	3.86	3.86	4.80	5.98	6.22
MAX	0.00	1.38	0.04	0.00	0.04	0.83	0.00	0.00	0.00	0.31	0.75	0.20
NO.	0	3	1	0	1	2	0	0	0	5	4	2
							Maximum Daily Rainfall					1.38
							Maximum Monthly Rainfall					2.91
							Total Annual Rainfall					6.22
							Number of Days with Rain					18

Gage 5010 down from 12/20 04:18 (75) through 12/22 22:00 (75) for unknown reason; no rain fell.

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Columbus Wash (gage # 5010) 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						.16						.28
9												1.06
10												1.26
11										.20		
12												
13			.28									
14			.12									
15												
16												
17											----	
18			.12								----	
19												
20					.08					.55		
21					.04					.31		
22												
23												
24												
25				.04								
26				.63							.08	
27				.12							.04	
28											.31	
29					----						.12	
30					----							
31		----			----		----		----			----
SUM	0.00	0.00	0.51	0.79	0.12	0.16	0.00	0.00	0.00	1.06	0.55	2.60
ACC	0.00	0.00	0.51	1.30	1.42	1.57	1.57	1.57	1.57	2.64	3.19	5.79
MAX	0.00	0.00	0.28	0.63	0.08	0.16	0.00	0.00	0.00	0.55	0.31	1.26
NO.	0	0	3	3	2	1	0	0	0	3	4	3
Maximum Daily Rainfall												1.26
Maximum Monthly Rainfall												2.60
Total Annual Rainfall												5.79
Number of Days with Rain												19

Gage 5010 down from 8/16 10:07 (67) through 8/18 16:07 (67) due to data collision; no rain fell.

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Columbus Wash (gage # 5010) for Water Year 2012

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
4	.24	.16								.20		1.81
5												
6												.12
7		.12										
8												
9												.12
10												1.06
11											.12	
12			.20							.71		
13		.12	.55									
14			.04							.24		
15												
16												
17						.20					.16	
18			.12			.79						
19			.04									
20												
21										.12	1.30	
22										.04	1.77	
23											.08	
24												
25												
26												
27												
28												
29										.16		
30					----					.04		
31		----			----		----		----			----
SUM	0.24	0.39	0.94	0.00	0.00	0.98	0.00	0.00	0.00	1.50	3.43	3.11
ACC	0.24	0.63	1.57	1.57	1.57	2.56	2.56	2.56	2.56	4.06	7.48	10.59
MAX	0.24	0.16	0.55	0.00	0.00	0.79	0.00	0.00	0.00	0.71	1.77	1.81
NO.	1	3	5	0	0	2	0	0	0	7	5	4
Maximum Daily Rainfall												1.81
Maximum Monthly Rainfall												3.43
Total Annual Rainfall												10.59
Number of Days with Rain												27

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Columbus Wash (gage # 5010) for Water Year 2011

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
4										.24		
5										.94		
6												
7												
8							.20					
9							.04					.94
10												
11												
12												
13												.04
14												
15												
16												
17			.04									
18												
19					.12							
20	.20				.04							
21						.08						
22			1.14									
23												
24												
25												
26					.31							
27											.16	
28											.04	
29			.08		----							
30					----							
31		----			----		----		----			----
SUM	0.20	0.00	1.26	0.00	0.47	0.08	0.24	0.00	0.00	1.18	0.20	0.98
ACC	0.20	0.20	1.46	1.46	1.93	2.01	2.24	2.24	2.24	3.43	3.62	4.61
MAX	0.20	0.00	1.14	0.00	0.31	0.08	0.20	0.00	0.00	0.94	0.16	0.94
NO.	1	0	3	0	3	1	2	0	0	2	2	2
Maximum Daily Rainfall												1.14
Maximum Monthly Rainfall												1.26
Total Annual Rainfall												4.61
Number of Days with Rain												16

Annual Total (mm): 117
Down: 0

Days

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Columbus Wash (gage # 5010) for Water Year 2009

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												.04
4												
5												
6												
7					.08							
8												
9					.20							
10							.16					
11							.31					
12												
13												
14												
15												
16			.47									
17			.35									
18								.20				
19												
20												
21												
22											.12	
23				.08								
24												
25			.04									
26		1.22	.16									
27		.20										
28												
29					----							
30					----							
31		----			----		----		----		.20	----
SUM	0.00	1.42	1.02	0.08	0.28	0.00	0.47	0.20	0.00	0.00	0.31	0.04
ACC	0.00	1.42	2.44	2.52	2.80	2.80	3.27	3.46	3.46	3.46	3.78	3.82
MAX	0.00	1.22	0.47	0.08	0.20	0.00	0.31	0.20	0.00	0.00	0.20	0.04
NO.	0	2	4	1	2	0	2	1	0	0	2	1
Maximum Daily Rainfall												1.22
Maximum Monthly Rainfall												1.42
Total Annual Rainfall												3.82
Number of Days with Rain												15

Notes:

Annual rainfall in millimeters: 97

Total down-time: 0.00 days

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Columbus Wash (gage # 5010) for Water Year 2008

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1			.31									
2												.08
3												
4												
5												
6				.04								
7				.20							.63	
8												.20
9												
10												
11												.24
12												
13										.04		
14												
15												
16												
17												
18												
19												
20										.16		
21												
22												
23												
24				.08								
25											.67	
26											.04	
27				.79							.04	
28				.04								
29											.04	
30		1.54			----		----		----		.24	
31		----			----		----		----			----
SUM	0.00	1.54	0.31	1.14	0.00	0.00	0.00	0.00	0.00	0.20	1.65	0.51
ACC	0.00	1.54	1.85	2.99	2.99	2.99	2.99	2.99	2.99	3.19	4.84	5.35
MAX	0.00	1.54	0.31	0.79	0.00	0.00	0.00	0.00	0.00	0.16	0.67	0.24
NO.	0	1	1	5	0	0	0	0	0	2	6	3
Maximum Daily Rainfall												1.54
Maximum Monthly Rainfall												1.65
Total Annual Rainfall												5.35
Number of Days with Rain												18

Notes:

Annual rainfall in millimeters: 136

Total down-time: 0.00 days

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Columbus Wash (gage # 5010) 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											.08	
15											.04	
16												
17												
18												
19				.08								
20												
21							.08			.16		
22						.31						
23												
24		----										
25		----										
26		----								.16		
27												
28												
29					----							
30					----					.43	.28	
31		----		.16	----		----		----			----
SUM	0.00	0.00	0.00	0.24	0.00	0.31	0.08	0.00	0.00	0.75	0.39	0.00
ACC	0.00	0.00	0.00	0.24	0.24	0.55	0.63	0.63	0.63	1.38	1.77	1.77
MAX	0.00	0.00	0.00	0.16	0.00	0.31	0.08	0.00	0.00	0.43	0.28	0.00
NO.	0	0	0	2	0	1	1	0	0	3	3	0
Maximum Daily Rainfall												0.43
Maximum Monthly Rainfall												0.75
Total Annual Rainfall												1.77
Number of Days with Rain												10

Notes:

Annual rainfall in millimeters: 45
 Gage 5010 down from 11/23 22:13 (0) through 11/27 09:46 (0) due to programming error; no rain fell.

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Columbus Wash (gage # 5010) for Water Year 2006

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												1.02
3												
4												
5										.04		
6												.24
7												.20
8												.16
9												.43
10												
11						.47					.94	
12											.04	.28
13												
14												.08
15												
16												
17	.39											
18	.59											
19												
20												
21				----								
22				----								
23												
24											.47	
25										.16		
26										.12		
27									.04			
28												
29					----							
30					----						.04	
31		----			----		----		----			----
SUM	0.98	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.04	0.31	1.50	2.40
ACC	0.98	0.98	0.98	0.98	0.98	1.46	1.46	1.46	1.50	1.81	3.31	5.71
MAX	0.59	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.04	0.16	0.94	1.02
NO.	2	0	0	0	0	1	0	0	1	3	4	7
Maximum Daily Rainfall												1.02
Maximum Monthly Rainfall												2.40
Total Annual Rainfall												5.71
Number of Days with Rain												18

Notes:

Annual rainfall in millimeters: 145

Total down-time: 2.50 days

Gage 5010 down from 1/20 23:19 (25) through 1/23 11:19 (25) due to repeater failure; no rain fell.

Flood Control District of Maricopa County ALERT System

Daily Rainfall at Columbus Wash (gage # 5010) for Water Year 2005

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3				1.26								
4				.79		.04						
5			.43			.12						
6			.24									
7		.79									.35	
8		.12										
9		-----									.43	
10		-----			.04							
11		-----			.71						.20	
12		-----			.04							
13		-----										
14		-----										
15								-----				
16								-----				
17					.04							
18					.16							
19					.24	.04				.04		
20												
21	1.69	.08			.12							
22		.08			.04					.24		
23					.43		.04			.04		
24				.04								
25												
26				.08	.24							
27	.20											
28	1.06		.24									
29			.71		-----							
30					-----							
31		-----			-----		-----		-----	.04		-----
SUM	2.95	1.06	1.61	2.17	2.05	0.20	0.04	0.00	0.00	0.35	0.98	0.00
ACC	2.95	4.02	5.63	7.80	9.84	10.04	10.08	10.08	10.08	10.43	11.42	11.42
MAX	1.69	0.79	0.71	1.26	0.71	0.12	0.04	0.00	0.00	0.24	0.43	0.00
NO.	3	4	4	4	10	3	1	0	0	4	3	0
Maximum Daily Rainfall												1.69
Maximum Monthly Rainfall												2.95
Total Annual Rainfall												11.42
Number of Days with Rain												36

Notes:

Annual rainfall in millimeters: 290 Total down-time: 8.55 days
 Gage 5010 down from 11/08 20:28 (98) through 11/15 03:46 (98) due to battery failure; no rain fell.
 Gage 5010 down from 5/14 05:40 (256) through 5/16 11:40 (256) due to repeater failure; no rain fell.

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Columbus Wash (gage # 5010) for Water Year 2004

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2							.16					
3						.04	.04					
4												
5												
6												
7												
8												.16
9												
10												
11			.16								.35	
12		.20										
13											.04	
14												
15												
16										.24		
17												
18												
19												.35
20												
21				.04								
22				.08								
23					.16							
24					-----							
25					-----							
26												
27												
28												
29												
30					-----							
31		-----			-----		-----		-----			-----
SUM	0.00	0.20	0.16	0.12	0.16	0.04	0.20	0.00	0.00	0.24	0.39	0.51
ACC	0.00	0.20	0.35	0.47	0.63	0.67	0.87	0.87	0.87	1.10	1.50	2.01
MAX	0.00	0.20	0.16	0.08	0.16	0.04	0.16	0.00	0.00	0.24	0.35	0.35
NO.	0	1	1	2	1	1	2	0	0	1	2	2
Maximum Daily Rainfall												0.35
Maximum Monthly Rainfall												0.51
Total Annual Rainfall												2.01
Number of Days with Rain												13

Notes:

Annual rainfall in millimeters: 51
 Gage 5010 down from 2/23 22:28 (16) through 2/26 09:12 (16) due to battery failure; no rain fell.

Total down-time: 2.45 days

Daily Rainfall at Columbus Wash (gage # 5010) for Water Year 2003

[illegible]

Notes:

Total annual rainfall in millimeters: 176 Total down-time: 8.31 days
Gage 5010 down from 8/14 22:01 (125) through 8/20 12:21 (155) due to repeater failure; data recovered from site.
Gage 5010 down from 9/14 18:21 (166) through 9/17 11:20 (166) due to programming error; no rain fell.

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Columbus Wash (gage # 5010) for Water Year 2002

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
4			.04									
5												
6												
7												
8												
9												
10												.04
11			.24							.04		
12												
13												
14										.20		
15										.12		
16												
17												
18												
19							-----				.04	
20							-----					
21							-----					
22												
23												
24												
25												
26												
27												
28												
29					-----							
30					-----							
31		-----			-----		-----		-----			-----
SUM	0.00	0.00	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.35	0.04	0.04
ACC	0.00	0.00	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.63	0.67	0.71
MAX	0.00	0.00	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.04	0.04
NO.	0	0	2	0	0	0	0	0	0	3	1	1
												Maximum Daily Rainfall
												0.24
												Maximum Monthly Rainfall
												0.35
												Total Annual Rainfall
												0.71
												Number of Days with Rain
												7

Notes:

Total annual rainfall in millimeters: 18
 Gage 5010 down from 04/18 19:21 (7) through 04/22 09:43 (7) due to battery failure; no rain fell.

Total down-time: 3.60 days

Daily Rainfall at Columbus Wash (gage # 5010) for Water Year 2001

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
4												
5							.08					
6		.24				.24				.47		
7						.71						
8										.08		
9				.39							.04	
10				.04								
11				.04								
12				.20							.12	
13					.31						.31	
14												
15				.08								
16												
17											.20	
18												
19								----				
20								----				
21							.04					
22	.87											
23												
24												
25					.08							
26					.04							
27					.28							
28				.04								
29					----							
30					----							
31		----			----		----		----			----
SUM	0.87	0.24	0.00	0.79	0.71	0.94	0.12	0.00	0.00	0.55	0.67	0.00
ACC	0.87	1.10	1.10	1.89	2.60	3.54	3.66	3.66	3.66	4.21	4.92	4.92
MAX	0.87	0.24	0.00	0.39	0.31	0.71	0.08	0.00	0.00	0.47	0.31	0.00
NO.	1	1	0	6	4	2	2	0	0	2	4	0
							Maximum Daily Rainfall					0.87
							Maximum Monthly Rainfall					0.94
							Total Annual Rainfall					4.92
							Number of Days with Rain					22

Notes:

Annual rainfall in millimeters: 125

Total down-time: 3.19 days

Gage 5010 down from 5/18 17:58 (93) through 5/21 22:35 (93) due to transmitter failure; no rain fell.

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Columbus Wash (gage # 5010) for Water Year 2000

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
4												
5						.83						
6						.12						
7						.12						
8												
9												
10												
11												
12											.08	
13												
14												
15												
16												
17												
18												
19						----						
20						----						
21					.16							
22					.04							
23			----									
24			----								.67	
25			----									
26			----									
27											.31	
28	----					.04						
29	----								.28		.12	
30	----				----							
31	----	----			----		----		----			----
SUM	0.00	0.00	0.00	0.00	0.20	1.10	0.00	0.00	0.28	0.00	1.18	0.00
ACC	0.00	0.00	0.00	0.00	0.20	1.30	1.30	1.30	1.57	1.57	2.76	2.76
MAX	0.00	0.00	0.00	0.00	0.16	0.83	0.00	0.00	0.28	0.00	0.67	0.00
NO.	0	0	0	0	2	4	0	0	1	0	4	0
Maximum Daily Rainfall												0.83
Maximum Monthly Rainfall												1.18
Total Annual Rainfall												2.76
Number of Days with Rain												11

Notes:

Annual rainfall in millimeters: 70 Total down-time: 13.41 days
 Gage 5010 down from 10/26 23:14 (0) through 11/01 10:32 (0) for unknown reason; no rain fell.
 Gage 5010 down from 12/22 09:31 (0) through 12/27 11:48 (0) due to repeater failure; no rain fell.
 Gage 5010 down from 3/18 20:24 (32) through 3/21 16:34 (32) for unknown reason; no rain fell.

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Columbus Wash (gage # 5010) for Water Year 1999

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	----	----	----	----	----	----	----	----	----	----	----	----
15	----	----	----	----	----	----	----	----	----	----	----	----
16	----	----	----	----	----	----	----	----	----	----	----	----
17	----	----	----	----	----	----	----	----	----	----	----	----
18	----	----	----	----	----	----	----	----	----	----	----	----
19	----	----	----	----	----	----	----	----	----	----	----	----
20	----	----	----	----	----	----	----	----	----	----	----	----
21	----	----	----	----	----	----	----	----	----	----	----	----
22	----	----	----	----	----	----	----	----	----	----	----	----
23	----	----	----	----	----	----	----	----	----	----	----	----
24	----	----	----	----	----	----	----	----	----	----	----	----
25	----	----	----	----	----	----	----	----	----	----	----	----
26	----	----	----	----	----	----	----	----	----	----	----	----
27	----	----	----	----	----	----	----	----	----	----	----	----
28	----	----	----	----	----	----	----	----	----	----	----	----
29	----	----	----	----	----	----	----	----	----	----	----	----
30	----	----	----	----	----	----	----	----	----	----	----	----
31	----	----	----	----	----	----	----	----	----	----	----	----
SUM	----	----	----	----	----	----	----	----	----	----	----	0.00
ACC	----	----	----	----	----	----	----	----	----	----	----	0.00
MAX	----	----	----	----	----	----	----	----	----	----	----	0.00
NO.	----	----	----	----	----	----	----	----	----	----	----	0
Maximum Daily Rainfall												0.00
Maximum Monthly Rainfall												0.00
Partial Annual Rainfall												0.00
Number of Days with Rain												0