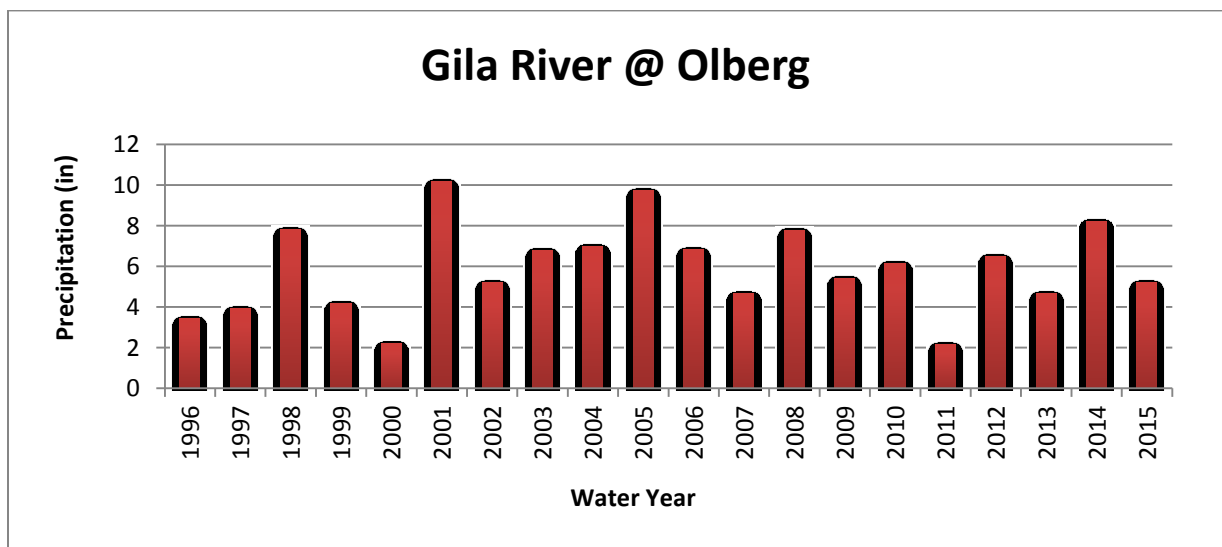




Station Name: Gila River @ Olberg

Station ID Number History:	780 since 04/12/95
Station Type:	Rain / Stream
Data Begins:	04/12/1995
Years Since Installation:	20.47 (as of 10/01/15)
Data Repeater:	Sacaton Peak
County:	Pinal
Latitude:	33° 05' 13.4" (33.08706)
Longitude:	111° 41' 13.2" (111.68700)
Elevation:	1,305 ft. msl
Location:	Gila River at Olberg Bridge, 3 mi. ENE of Sacaton
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:	21	
Number of storms greater than 2 inches in 24 hours:	3	
Number of storms greater than 3 inches in 24 hours:	0	
		Approx. T_r
Greatest 15 minute total:	0.87" on 07/14/14	16 years
Greatest 1 hour total:	1.85" on 09/18/04	52 years
Greatest 3 hour total:	2.05" on 09/18/04	41 years
Greatest 6 hour total:	2.28" on 07/29/01	38 years
Greatest 24 hour total:	2.52" on 09/18/04	13 years
Greatest 72 hour total:	2.52" on 09/18/04	7 years

Water Year Totals: (Mean of Complete Water Years [20] = 5.91 inches)

Water Year	Total	Water Year	Total	Water Year	Total
2020		2010	6.14	2000	2.20
2019		2009	5.43	1999	4.17
2018		2008	7.76	1998	7.99
2017		2007	4.65	1997	3.93
2016		2006	6.81	1996	3.43
2015	5.20	2005	9.72	1995	M
2014	8.23	2004	6.97	1994	
2013	4.65	2003	6.77	1993	
2012	6.50	2002	5.20	1992	
2011	2.17	2001	10.20	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 Gila River at Olberg (gage # 780) for Water Year 2014

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
1						.75							
2						.08					.04		
3										.28			
4		.04											
5		.04											
6												.31	
7													
8										.04		.98	
9												.28	
10											.12		
11													
12											.08		
13										.04			
14										1.46			
15													
16													
17													
18													
19													
20			.43										
21		.04	.04								.04		
22		1.57											
23		.43								.04			
24													
25													
26							.08						
27												1.02	
28													
29													
30													
31													
SUM	0.00	2.13	0.47	0.00	0.00	0.83	0.08	0.00	0.00	1.85	0.28	2.60	
ACC	0.00	2.13	2.60	2.60	2.60	3.43	3.50	3.50	3.50	5.35	5.63	8.23	
MAX	0.00	1.57	0.43	0.00	0.00	0.75	0.08	0.00	0.00	1.46	0.12	1.10	
NO.	0	5	2	0	0	2	1	0	0	5	4	4	
												Maximum Daily Rainfall	1.57
												Maximum Monthly Rainfall	2.60
												Total Annual Rainfall	8.23
												Number of Days with Rain	23

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Gila River at Olberg (gage # 780) for Water Year 2011

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2	.12											
3												
4												
5	.24											
6												
7												
8												
9												
10										.04		
11		----								.12		
12												
13												.04
14	----											
15	----											
16	----		.16									
17	----		.04									
18											.16	
19					.35							
20					.04							
21	.04											
22							----					
23			.16									
24												
25												
26												
27					.28							
28												
29			.31		----							
30			.04		----							
31		----			----		----		----	.04		----
SUM	0.39	0.00	0.71	0.00	0.67	0.00	0.00	0.00	0.00	0.20	0.16	0.04
ACC	0.39	0.39	1.10	1.10	1.77	1.77	1.77	1.77	1.77	1.97	2.13	2.17
MAX	0.24	0.00	0.31	0.00	0.35	0.00	0.00	0.00	0.00	0.12	0.16	0.04
NO.	3	0	5	0	3	0	0	0	0	3	1	1
Maximum Daily Rainfall												0.35
Maximum Monthly Rainfall												0.71
Total Annual Rainfall												2.17
Number of Days with Rain												16

Annual Total (mm): 55

Days Down: 9.50

Gage 0780 down from 04/21 20:11 (56) through 04/23 20:11 (56) due to data collision; no rain fell.

Gage 0780 down from 10/13 05:12 (9) through 10/18 11:12 (9) due to repeater failure; no rain fell.

Gage 0780 down from 11/10 05:12 (10) through 11/12 11:12 (10) due to battery failure; no rain fell.

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Gila @ Olberg (gage # 780) for Water Year 2007

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
4												
5												
6	.04											
7												
8												
9												
10												
11												
12							.04					
13					.04		.04					
14					.04						.04	
15												
16											.16	
17										.04		
18												
19				.12	.31							
20					.08							
21				.04						.63		
22			.16			.55				.04		
23						.12				.35		
24	.20									.04		
25										.51	.12	
26												
27									----			
28			.04						----	.24		
29									----		.04	
30				.12					----		.04	
31		----						----	----	.47		----
SUM	0.24	0.00	0.20	0.28	0.47	0.67	0.08	0.00	0.00	2.32	0.39	0.00
ACC	0.24	0.24	0.43	0.71	1.18	1.85	1.93	1.93	1.93	4.25	4.65	4.65
MAX	0.20	0.00	0.16	0.12	0.31	0.55	0.04	0.00	0.00	0.63	0.16	0.00
NO.	2	0	2	3	4	2	2	0	0	8	5	0
										Maximum Daily Rainfall		0.63
										Maximum Monthly Rainfall		2.32
										Total Annual Rainfall		4.65
										Number of Days with Rain		28

Notes:

Annual rainfall in millimeters: 118 Total down-time: 5.00 days
 Gage 0780 down from 6/26 13:51 (49) through 7/01 13:51 (49) due to data collision; no rain fell.

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Gila River @ Olberg (gage # 780) for Water Year 2006

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												1.18
3												
4												
5										.08		
6												
7												.43
8												.04
9											.04	
10												
11						2.36						
12						.04					.47	
13											.43	
14											.04	
15												
16												
17	.08											
18	.04											
19						.16						
20	.04											
21												
22												
23	.04											
24											.24	
25										.55		
26										.12		
27										.35		
28												
29					----							
30					----					.08		
31		----			----		----		----			----
SUM	0.20	0.00	0.00	0.00	0.00	2.56	0.00	0.00	0.00	1.18	1.22	1.65
ACC	0.20	0.20	0.20	0.20	0.20	2.76	2.76	2.76	2.76	3.94	5.16	6.81
MAX	0.08	0.00	0.00	0.00	0.00	2.36	0.00	0.00	0.00	0.55	0.47	1.18
NO.	4	0	0	0	0	3	0	0	0	5	5	3
							Maximum Daily Rainfall					2.36
							Maximum Monthly Rainfall					2.56
							Total Annual Rainfall					6.81
							Number of Days with Rain					20

Notes:

Annual rainfall in millimeters: 173

Total down-time: 0.00 days

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Gila River @ Olberg (gage # 780) for Water Year 2005

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2											1.57	
3				.94							.08	
4			.31	.43								
5			.16			.20						
6			.04			.08						
7												
8											.51	
9												
10					.12							
11					.75							
12					.51						.04	
13												
14											.31	
15												
16												
17					.08							
18					.08							
19					.59							
20					.04							
21	.12				.04							
22	.04	.08			.28					.31		
23		.04					.16					
24		.04		.08								
25												
26				.28								
27								.08				
28	.39							.24				
29			.28		-----							
30					-----					.28		
31		-----			-----		-----		-----	.16		-----
SUM	0.55	0.16	0.79	1.73	2.48	0.28	0.16	0.31	0.00	0.75	2.52	0.00
ACC	0.55	0.71	1.50	3.23	5.71	5.98	6.14	6.46	6.46	7.20	9.72	9.72
MAX	0.39	0.08	0.31	0.94	0.75	0.20	0.16	0.24	0.00	0.31	1.57	0.00
NO.	3	3	4	4	9	2	1	2	0	3	5	0
											Maximum Daily Rainfall	1.57
											Maximum Monthly Rainfall	2.52
											Total Annual Rainfall	9.72
											Number of Days with Rain	36

Notes:

Annual rainfall in millimeters: 247

Total down-time: 0.00 days

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Gila River @ Olberg (gage # 780) for Water Year 2004

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2							.47					
3					.08		.04					
4						.28						
5						.12						
6												
7												
8												
9												
10							.04					
11			.16									
12		.47										
13										.20		
14										.04		
15											.20	
16												
17												
18												2.13
19												.39
20												
21				.12								
22				.59								
23				.24	.75							
24	-----		.04	.04	.04					.04		
25	-----			.08								
26												
27										.43		
28												
29												
30						-----						
31		-----				-----	-----		-----			-----
SUM	0.00	0.47	0.20	1.06	0.87	0.39	0.55	0.00	0.00	0.51	0.39	2.52
ACC	0.00	0.47	0.67	1.73	2.60	2.99	3.54	3.54	3.54	4.06	4.45	6.97
MAX	0.00	0.47	0.16	0.59	0.75	0.28	0.47	0.00	0.00	0.43	0.20	2.13
NO.	0	1	2	5	3	2	3	0	0	3	2	2
									Maximum Daily Rainfall		2.13	
									Maximum Monthly Rainfall		2.52	
									Total Annual Rainfall		6.97	
									Number of Days with Rain		23	

Notes:

Annual rainfall in millimeters: 177

Total down-time: 3.00 days

Gage 780 down from 10/23 22:46 (0) through 10/26 22:46 (0) for unknown reason; no rain fell.

Flood Control District of Maricopa County ALERT System

Daily Rainfall at Gila @ Olberg (gage # 0780) for Water Year 2002

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
4			.83									
5												
6		.04										.35
7	.16											.39
8						.04						
9										.43		.20
10												1.10
11			.12									.04
12												
13												
14										.35		
15			.04									
16												
17												
18												
19												
20												
21												
22												
23										.94		
24										.04		
25												
26												
27												
28												
29					-----							
30				.12	-----							
31	-----				-----		-----		-----			-----
SUM	0.16	0.04	0.98	0.12	0.00	0.04	0.00	0.00	0.00	1.77	0.00	2.09
ACC	0.16	0.20	1.18	1.30	1.30	1.34	1.34	1.34	1.34	3.11	3.11	5.20
MAX	0.16	0.04	0.83	0.12	0.00	0.04	0.00	0.00	0.00	0.94	0.00	1.10
NO.	1	1	3	1	0	1	0	0	0	4	0	5
	Maximum Daily Rainfall											1.10
	Maximum Monthly Rainfall											2.09
	Total Annual Rainfall											5.20
	Number of Days with Rain											16

Notes:

Total annual rainfall in millimeters: 132

Total down-time: 0.00 days

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Gila @ Olberg (gage # 780) for Water Year 2000

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
4												
5						.08						
6						1.30						
7						.39					.08	
8												
9												
10												
11												
12											.04	
13												
14												
15												
16												
17											.04	
18											.08	
19												
20												
21												
22					.04							
23												
24												
25											.04	
26												
27												
28						.04					.04	
29												
30					----				.04			
31		----			----		----		----			----
SUM	0.00	0.00	0.00	0.00	0.04	1.81	0.00	0.00	0.04	0.00	0.31	0.00
ACC	0.00	0.00	0.00	0.00	0.04	1.85	1.85	1.85	1.89	1.89	2.20	2.20
MAX	0.00	0.00	0.00	0.00	0.04	1.30	0.00	0.00	0.04	0.00	0.08	0.00
NO.	0	0	0	0	1	4	0	0	1	0	6	0

Notes:

Annual rainfall in millimeters: 56

Total down-time: 0 days

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Gila R. @ Olberg (gage # 780) for Water Year 1997

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												.16
3							.24				.24	.08
4											.12	
5												.04
6				.08								.12
7												
8											.04	
9									.12		.28	
10											.04	
11												
12												
13				.20								
14				.12								
15												
16												
17												
18												
19												
20												
21												
22		.28										
23		.04									.16	
24											.24	
25												
26				.04								
27					.04							
28					.20							
29		.04										
30											.12	.04
31											.35	
SUM	0.00	0.35	0.00	0.43	0.24	0.00	0.24	0.00	0.00	0.12	1.57	0.43
ACC	0.00	0.35	0.35	0.79	1.02	1.02	1.26	1.26	1.26	1.38	2.95	3.39
MAX	0.00	0.28	0.00	0.20	0.20	0.00	0.24	0.00	0.00	0.12	0.35	0.16
NO.	0	3	0	4	2	0	1	0	0	1	9	5
							Maximum Daily Rainfall					0.35
							Maximum Monthly Rainfall					1.57
							Total Annual Rainfall					3.39
							Number of Days with Rain					25

Notes:

Annual rainfall in millimeters: 86

Total down-time: 0 days

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Gila R. @ Olberg (gage # 780) for Water Year 1996

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					.39							
2		.12										.12
3												
4												
5		.04										.16
6		.16										
7										.08		
8											.28	
9											.04	
10												
11												
12												
13					.04	.24						
14						.04				.12		
15										.04		
16												
17												
18												
19												
20												
21												
22												
23												
24												.04
25					.20					.91		
26										.04		
27												
28												
29											.24	
30												
31												
SUM	0.00	0.31	0.00	0.00	0.63	0.28	0.00	0.00	0.00	1.18	0.55	0.31
ACC	0.00	0.31	0.31	0.31	0.94	1.22	1.22	1.22	1.22	2.44	2.99	3.43
MAX	0.00	0.16	0.00	0.00	0.39	0.24	0.00	0.00	0.00	0.91	0.28	0.16
NO.	0	3	0	0	3	2	0	0	0	5	3	3
Maximum Daily Rainfall												0.91
Maximum Monthly Rainfall												1.22
Total Annual Rainfall												3.43
Number of Days with Rain												19

Notes:

Annual Rainfall in mm: 87

Gage down from 12/13 23:39 (8) through 12/19 11:38 (8) due to repeater failure; no rain fell.

Gage down from 6/7 23:42 (31) through 6/11 11:43 (31) due to repeater failure; no rain fell.

Flood Control District of Maricopa County ALERT System
 Daily Rainfall at Gila R. @ Olberg (gage # 780) for Water Year 1995

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												0.04
8												
9												
10												
11											0.24	
12										0.12		
13												
14											0.39	
15												
16											0.59	
17								0.04				
18								0.08				
19											0.24	
20											0.31	
21											0.04	
22												
23												
24												
25												
26												
27												
28												0.43
29												0.04
30												
31												
SUM	----	----	----	----	----	----	0.12	0.00	0.00	0.12	1.81	0.51
ACC	----	----	----	----	----	----	0.16	0.16	0.16	0.28	2.09	2.60
MAX	----	----	----	----	----	----	0.08	0.00	0.00	0.12	0.59	0.43
NO.	----	----	----	----	----	----	2	0	0	1	6	3
							Maximum Daily Rainfall					0.59
							Maximum Monthly Rainfall					1.81
							Partial Annual Rainfall					2.60
							Number of Days with Rain					12

Notes:

Gage installed 4/12/95.

Gage down from 7/26 11:36 (7) through 7/28 11:35 (7) due to Signal Peak repeater failure; no rain fell.

Partial Annual rainfall in mm: 66