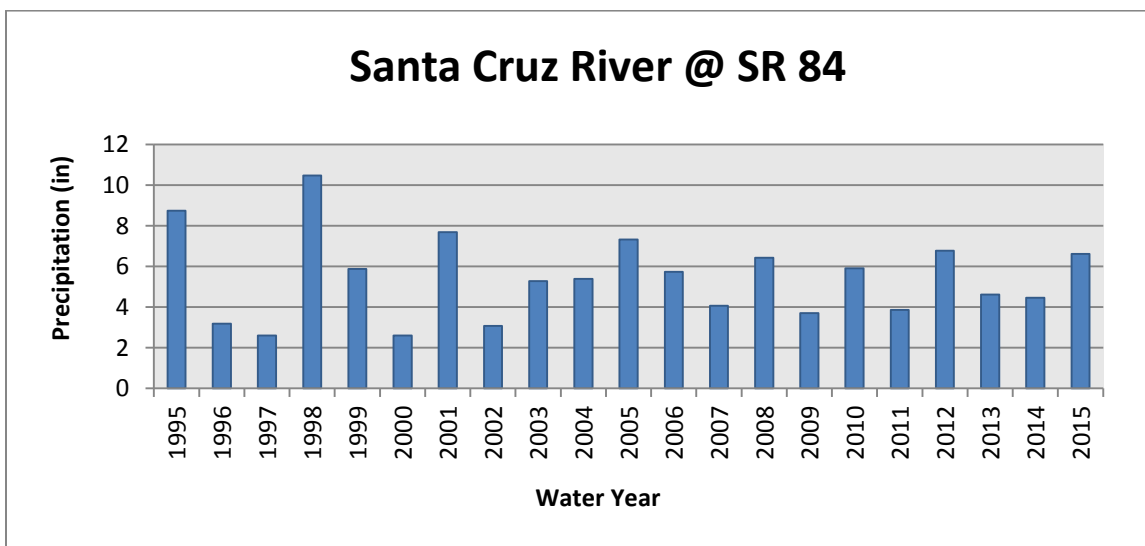




## Station Name: Santa Cruz River at SR 84

<b>Station ID Number History:</b>	785 since 03/16/1994
<b>Station Type:</b>	Rain / Stream
<b>Data Begins:</b>	03/16/1994
<b>Years Since Installation:</b>	21.54 (as of 10/01/15)
<b>Data Repeater:</b>	Sacaton Peak
<b>County:</b>	Pinal
<b>Latitude:</b>	32° 52' 46.3" (32.87952)
<b>Longitude:</b>	111° 49' 44.2" (111.82895)
<b>Elevation:</b>	1,350 ft. msl
<b>Location:</b>	3 mi. West of SR 93 on SR 84
<b>Data Record:</b>	
Incomplete Months:	None
Missing Months:	None
<b>Remarks:</b>	Records Good



**Data Statistics for Period of Record:**

Number of storms greater than 1 inch in 24 hours:	13	
Number of storms greater than 2 inches in 24 hours:	0	
Number of storms greater than 3 inches in 24 hours:	0	
		Approx. T <sub>r</sub>
Greatest 15 minute total:	0.71" on 07/31/10	6 years
Greatest 1 hour total:	1.57" on 08/31/99	20 years
Greatest 3 hour total:	1.57" on 08/31/99	11 years
Greatest 6 hour total:	1.61" on 08/31/99	7 years
Greatest 24 hour total:	1.89" on 03/11/06	5 years
Greatest 72 hour total:	1.97" on 01/21/10	4 years

**Water Year Totals (Mean of Complete Water Years [21] = 5.49 inches):**

Water Year	Total	Water Year	Total	Water Year	Total
2020		2010	5.91	2000	2.60
2019		2009	3.70	1999	5.87
2018		2008	6.42	1998	10.47
2017		2007	4.06	1997	2.60
2016		2006	6.65	1996	3.19
2015	6.61	2005	7.32	1995	8.74
2014	4.45	2004	5.39	1994	M
2013	4.61	2003	5.28	1993	
2012	6.77	2002	3.07	1992	
2011	3.86	2001	7.68	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 Santa Cruz R. @ SR 84 (gage # 785) for Water Year 2015

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2					.04	.39						
3						.04						.31
4			.71					.20				
5												
6												
7			.04								.39	
8	.71											
9												
10												
11											.12	
12												
13			.08									.04
14												
15					.12			.87				
16								.04				
17			.24									
18						.08				.12		
19												
20												
21												
22												
23												
24												
25							.04					
26												
27				.04								
28												
29				.31	----							
30				.35	----				.04			
31		----	.08	.31	----		----		----	.71	.20	----
SUM	0.71	0.00	1.14	1.02	0.16	0.51	0.04	1.10	0.04	0.83	0.71	0.35
ACC	0.71	0.71	1.85	2.87	3.03	3.54	3.58	4.69	4.72	5.55	6.26	6.61
MAX	0.71	0.00	0.71	0.35	0.12	0.39	0.04	0.87	0.04	0.71	0.39	0.31
NO.	1	0	5	4	2	3	1	3	1	2	3	2
	Maximum Daily Rainfall											0.87
	Maximum Monthly Rainfall											1.14
	Total Annual Rainfall											6.61
	Number of Days with Rain											27

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**Flood Control District of Maricopa County ALERT System**  
Daily Rainfall at Santa Cruz R. @ SR 84 (gage # 785) for Water Year 2014

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1						.43					.12	
2						.24						
3										.28		
4												
5												
6												
7												
8										.24		.47
9												
10												
11												
12												
13												
14										.04		
15												
16												
17											.12	
18												
19											.04	
20			.51									
21		.04									.04	
22		1.42										
23		.43										
24												
25												
26												.04
27												
28												
29						----						
30						----						
31		----				----	----		----			----
SUM	0.00	1.89	0.51	0.00	0.00	0.67	0.00	0.00	0.00	0.55	0.31	0.51
ACC	0.00	1.89	2.40	2.40	2.40	3.07	3.07	3.07	3.07	3.62	3.94	4.45
MAX	0.00	1.42	0.51	0.00	0.00	0.43	0.00	0.00	0.00	0.28	0.12	0.47
NO.	0	3	1	0	0	2	0	0	0	3	4	2
										Maximum Daily Rainfall		1.42
										Maximum Monthly Rainfall		1.89
										Total Annual Rainfall		4.45
										Number of Days with Rain		15

**Flood Control District of Maricopa County ALERT System**  
Daily Rainfall at Santa Cruz R. @ SR 84 (gage # 785) for Water Year 2013

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
1													
2										.04		.12	
3													
4													
5													
6											.12		
7													
8						.35	.12					.24	
9		.12										.94	
10		.12											
11													
12													
13			.08										
14			.20										
15			.51	----									
16				----						.04			
17				----						.04			
18			.04	----									
19			.08	----									
20			.04	----	.28					.24			
21													
22										.08			
23													
24													
25		.04								.08			
26				.59							.08		
27													
28													
29					----								
30					----								
31		----	.04		----		----		----			----	
SUM	0.00	0.28	0.98	0.59	0.28	0.35	0.12	0.00	0.00	0.51	0.20	1.30	
ACC	0.00	0.28	1.26	1.85	2.13	2.48	2.60	2.60	2.60	3.11	3.31	4.61	
MAX	0.00	0.12	0.51	0.59	0.28	0.35	0.12	0.00	0.00	0.24	0.12	0.94	
NO.	0	3	7	1	1	1	1	0	0	6	2	3	
												Maximum Daily Rainfall	0.94
												Maximum Monthly Rainfall	1.30
												Total Annual Rainfall	4.61
												Number of Days with Rain	25

Gage 785 down from 1/14 18:00 (32) through 1/21 06:00 (32) due to data collision; no rain fell.



**Flood Control District of Maricopa County ALERT System**  
Daily Rainfall at Santa Cruz R. @ SR 84 (gage # 785) for Water Year 2011

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
1													
2	.16												
3											.04		
4										.08			
5	.16									.08			
6													
7													
8													
9							.51					.04	
10													
11													
12					----					.20		.04	
13												.24	
14													
15	----												
16	----		.08										
17	----		.04										
18													
19					.35								
20													
21	.16					.08							
22						.04							
23			.16										
24			.04							.12			
25													
26													
27					.31						.39		
28													
29			.16		----								
30			.31		----								
31		----			----		----		----	.08		----	
SUM	0.47	0.00	0.79	0.00	0.67	0.12	0.51	0.00	0.00	0.55	0.43	0.31	
ACC	0.47	0.47	1.26	1.26	1.93	2.05	2.56	2.56	2.56	3.11	3.54	3.86	
MAX	0.16	0.00	0.31	0.00	0.35	0.08	0.51	0.00	0.00	0.20	0.39	0.24	
NO.	3	0	6	0	2	2	1	0	0	5	2	3	
												Maximum Daily Rainfall	0.51
												Maximum Monthly Rainfall	0.79
												Total Annual Rainfall	3.86
												Number of Days with Rain	24

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Annual Total (mm): 98 Days Down: 6.37  
 Gage 0785 down from 02/11 11:43 (32) through 02/13 11:43 (32) due to data collision; no rain fell.  
 Gage 0785 down from 10/14 05:42 (8) through 10/18 17:42 (8) due to repeater failure; no rain fell.

**Flood Control District of Maricopa County ALERT System**  
Daily Rainfall at Santa Cruz R. @ SR 84 (gage # 785) 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		.11	.28						.04
8			.08			.24						
9												
10					.04							
11												
12												
13												
14		.08										
15										----		
16												
17											.08	
18				.04						.04		
19				.31	.04							
20				.04	.16							
21				1.02	.04						.16	
22			.04	.63	.04							
23						.08						
24												
25												
26												
27				.08							.24	
28				.40	.20					.08		
29					----					.39		
30					----					.04		
31		----			----		----		----	.87		----
SUM	0.00	0.08	0.16	2.52	0.63	0.59	0.00	0.00	0.00	1.42	0.47	0.04
ACC	0.00	0.08	0.24	2.76	3.39	3.98	3.98	3.98	3.98	5.40	5.87	5.91
MAX	0.00	0.08	0.08	1.02	0.20	0.28	0.00	0.00	0.00	0.87	0.24	0.04
NO.	0	1	3	7	7	3	0	0	0	5	3	1
	Maximum Daily Rainfall											1.02
	Maximum Monthly Rainfall											2.52
	Total Annual Rainfall											5.91
	Number of Days with Rain											30

**Notes:**

Annual rainfall in millimeters: 150

Gage 0785 down from 07/14 20:56 (101) through 07/16 20:56 (101) due to data collision; no rain fell.



**Flood Control District of Maricopa County ALERT System**  
Daily Rainfall at Santa Cruz @ SR 84 (gage # 785) for Water Year 2009

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2										.16		
3										.43		.04
4				.24						.04		
5												.16
6												
7					.04							
8					.35							
9		.12			.39							
10												
11							.16					
12												
13											.12	
14												
15												
16			.47									
17			.24		.08			.08				
18												
19												
20												
21												
22								.04			.08	
23			.04									
24												
25												
26		.12	.04			----						
27		.24				----						
28						----						
29						----						
30						----						
31		----				----	----		----		.04	----
SUM	0.00	0.47	0.79	0.24	0.87	0.00	0.16	0.12	0.00	0.63	0.24	0.20
ACC	0.00	0.47	1.26	1.50	2.36	2.36	2.52	2.64	2.64	3.27	3.50	3.70
MAX	0.00	0.24	0.47	0.24	0.39	0.00	0.16	0.08	0.00	0.43	0.12	0.16
NO.	0	3	4	1	4	0	1	2	0	3	3	2
							Maximum Daily Rainfall					0.47
							Maximum Monthly Rainfall					0.87
							Total Annual Rainfall					3.70
							Number of Days with Rain					23

**Notes:**

Annual rainfall in millimeters: 94

Total down-time: 6.00 days

Gage 0785 down from 3/25 14:02 (60) through 3/31 14:02 (60) due to failure of Sacaton repeater, no rain fell.



**Flood Control District of Maricopa County ALERT System**  
Daily Rainfall at Santa Cruz @ SR 84 (gage # 785) for Water Year 2007

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
4												
5												
6										.08		
7												
8												
9												
10												
11												
12							.04					
13											.16	
14											.08	
15											.04	
16										.04		
17												
18												
19				.08	.04							
20					.08							
21				.04			.08					
22						.91				.04		
23						.04				.35		
24										.24		
25											.24	
26												
27												
28			.12							.94		
29			.04									
30										.08		
31				.31								
SUM	0.00	0.00	0.16	0.43	0.12	0.94	0.12	0.00	0.00	1.77	0.51	0.00
ACC	0.00	0.00	0.16	0.59	0.71	1.65	1.77	1.77	1.77	3.54	4.06	4.06
MAX	0.00	0.00	0.12	0.31	0.08	0.91	0.08	0.00	0.00	0.94	0.24	0.00
NO.	0	0	2	3	2	2	2	0	0	7	4	0
							Maximum Daily Rainfall					0.94
							Maximum Monthly Rainfall					1.77
							Total Annual Rainfall					4.06
							Number of Days with Rain					22

**Notes:**

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Annual rainfall in millimeters: 103

Total down-time: 0.00 days





**Flood Control District of Maricopa County ALERT System**  
Daily Rainfall at Santa Cruz @ SR 84 (gage # 785) for Water Year 2004

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2						.08	.12					
3					.04	.04						
4						.28	.12					
5												
6											.04	
7												
8												
9												
10												
11												
12		.28										
13										.12	.28	
14										.04		
15											.87	
16											.12	
17												
18												.87
19												.04
20												
21				.08								
22				.28								
23				.28	.79							
24			.08									
25										.47		
26			.04							.04		
27												
28												
29												
30					-----							
31		-----			-----	.04	-----		-----			-----
SUM	0.00	0.28	0.12	0.63	0.83	0.43	0.24	0.00	0.00	0.67	1.30	0.91
ACC	0.00	0.28	0.39	1.02	1.85	2.28	2.52	2.52	2.52	3.19	4.49	5.39
MAX	0.00	0.28	0.08	0.28	0.79	0.28	0.12	0.00	0.00	0.47	0.87	0.87
NO.	0	1	2	3	2	4	2	0	0	4	4	2
											Maximum Daily Rainfall	0.87
											Maximum Monthly Rainfall	1.30
											Total Annual Rainfall	5.39
											Number of Days with Rain	24

**Notes:**

Annual rainfall in millimeters: 137

Total down-time: 0.00 days









**Flood Control District of Maricopa County ALERT System**  
Daily Rainfall at Santa Cruz @ SR 84 (gage # 785) for Water Year 2000

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
4												
5												
6						1.18						
7						.31					.47	
8											.04	
9												
10												.08
11											.04	
12												
13												
14												
15												
16												
17												
18												
19									.16			
20									.24			
21												
22												
23												
24					.04							
25											----	
26										----	----	
27											----	
28												
29												
30						----			.04			
31		----				----		----	----			----
SUM	0.00	0.00	0.00	0.00	0.04	1.50	0.00	0.00	0.43	0.00	0.55	0.08
ACC	0.00	0.00	0.00	0.00	0.04	1.54	1.54	1.54	1.97	1.97	2.52	2.60
MAX	0.00	0.00	0.00	0.00	0.04	1.18	0.00	0.00	0.24	0.00	0.47	0.08
NO.	0	0	0	0	1	2	0	0	3	0	3	1
							Maximum Daily Rainfall					1.18
							Maximum Monthly Rainfall					1.50
							Total Annual Rainfall					2.60
							Number of Days with Rain					10

**Notes:**

Annual rainfall in millimeters: 66

Total down-time: 5.46 days

Gage 785 down from 7/25 09:26 (50) through 7/27 10:58 (50) due to battery failure; no rain fell.

Gage 785 down from 8/24 22:47 (64) through 8/28 08:29 (64) due to transmitter failure; no rain fell.





**Flood Control District of Maricopa County ALERT System**  
 Daily Rainfall at Santa Cruz R. @ SR 84 (gage # 785) for Water Year 1997

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2							.12					
3							.24				.04	
4												
5												.16
6				.12								.16
7												
8											.39	
9									.16		.04	
10												
11												
12												
13				.04								
14				.04								
15												
16												
17												
18												
19												
20												
21												
22		.16										
23												
24												
25												
26				.08								
27		.08			.04							
28					.12							
29		.16								.04		
30											.39	
31												
SUM	0.00	0.39	0.00	0.28	0.16	0.00	0.35	0.00	0.00	0.20	0.87	0.31
ACC	0.00	0.39	0.39	0.71	0.87	0.87	1.22	1.22	1.22	1.42	2.28	2.60
MAX	0.00	0.16	0.00	0.12	0.12	0.00	0.24	0.00	0.00	0.16	0.39	0.16
NO.	0	3	0	4	2	0	2	0	0	2	4	2
											Maximum Daily Rainfall	0.39
											Maximum Monthly Rainfall	0.87
											Total Annual Rainfall	2.60
											Number of Days with Rain	19

**Notes:**

Annual rainfall in millimeters: 66 Total down-time: 2.9 days  
 Gage down from 3/31/97 11:32 (22) through 4/3/97 10:01 for unknown reason; assigned 3mm to 4/02 and 4mm to 4/03.





**Flood Control District of Maricopa County ALERT System**  
**Daily Rainfall at Santa Cruz @ SR 84 (gage # 785) 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													
7													
8											0.04		
9												0.20	
10													
11													
12											0.59		
13													
14													
15													
16											0.20		
17										0.08			
18										0.16			
19											0.04		
20						0.28							
21												0.12	
22													
23													
24								0.51					
25						0.55		0.04				0.12	
26						0.04	0.12						
27													
28										0.24			
29													
30													
31													
SUM						0.87	0.12	0.55	0.00	0.47	0.87	0.55	
ACC						0.87	0.98	1.54	1.54	2.01	2.87	3.43	
MAX						0.55	0.12	0.51	0.00	0.24	0.59	0.20	
NO.						3	1	2	0	3	4	5	
												Maximum Daily Rainfall	0.59
												Maximum Monthly Rainfall	0.87
												<b>Partial</b> Annual Rainfall	3.43
												Number of Days with Rain	18

**Notes:**

Partial annual rainfall in mm: 87 Gage installed 3/16/94.  
 Gage down from 9/3 10:15 (75) through 9/7 22:15 (76) due to repeater problem; assigned rainfall to 9/4.  
 Gage down from 7/28 18:43 (48) through 8/02 22:13 (51) due to repeater problem; assigned rainfall to 7/28.  
 Gage down from 8/14 10:16 (67) through 8/17 22:16 (72) due to repeater problem; assigned rainfall to 8/16.