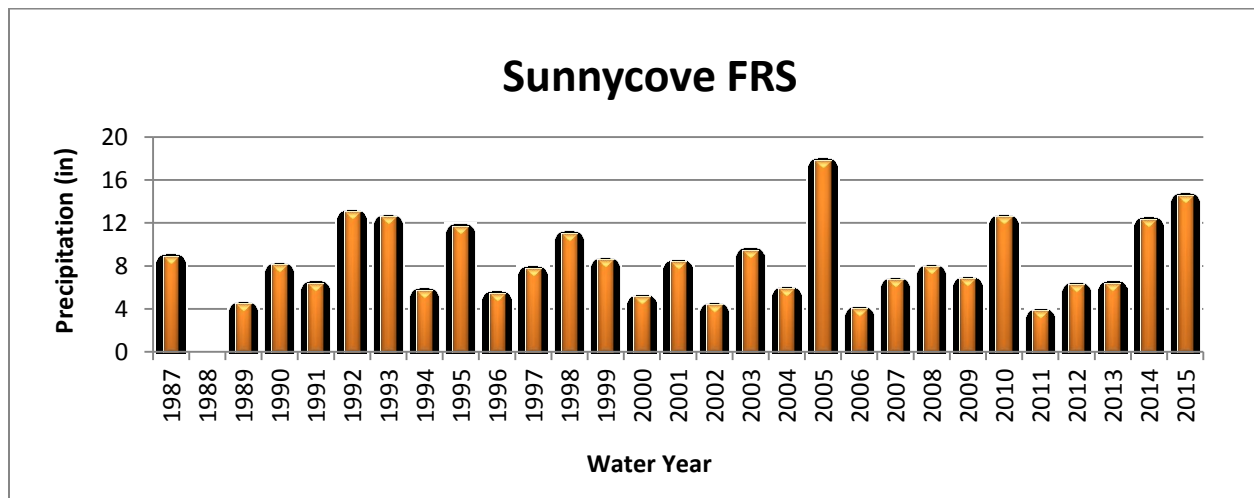




Station Name: Sunnycove FRS

Station ID Number History:	5245 since 08/10/92 3635 from 10/01/87 - 08/10/92 0077 from 07/31/86 - 10/01/87
Data Begins:	08/11/1986
Years Since Installation:	29.14 (as of 10/01/15)
Data Repeater:	Yarnell Hill
County:	Maricopa
Latitude:	33° 57' 26.1" (33.95725)
Longitude:	112° 44' 23.2" (112.73978)
Elevation:	2,150 ft. msl
Location:	1 mile SW of the US60 / US93 intersection in Wickenburg
Data Record:	
Incomplete Months:	01/88
Missing Months:	10-12/87
Remarks:	Records Good



Data Statistics for Period of Record:

Number of storms greater than 1 inch in 24 hours:	57	
Number of storms greater than 2 inches in 24 hours:	6	
Number of storms greater than 3 inches in 24 hours:	2	
		Approx. T _r
Greatest 15 minute total:	0.98" on 07/18/15	11 years
Greatest 1 hour total:	1.65" on 08/27/88	12 years
Greatest 3 hour total:	3.07" on 07/18/15	127 years
Greatest 6 hour total:	3.66" on 07/18/15	190 years
Greatest 24 hour total:	3.66" on 07/18/15	40 years
Greatest 72 hour total:	4.73" on 01/21/10	78 years

Water Year Totals: (Mean of Complete Water Years [28] = 8.38 inches)

Water Year	Total	Water Year	Total	Water Year	Total	Water Year	Total
2020		2010	12.52	2000	5.08	1990	8.03
2019		2009	6.77	1999	8.50	1989	4.41
2018		2008	7.87	1998	10.98	1988	M
2017		2007	6.65	1997	7.72	1987	8.86
2016		2006	3.98	1996	5.39	1986	M
2015	14.53	2005	17.80	1995	11.65	1985	
2014	12.28	2004	5.83	1994	5.67	1984	
2013	6.34	2003	9.41	1993	12.52	1983	
2012	6.22	2002	4.33	1992	13.03	1982	
2011	3.74	2001	8.31	1991	6.34	1981	

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 Sunnycove FRS (gage # 5245) for Water Year 2015

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1				.04		.20						
2						1.30						
3			.20			.04						
4			1.22					.47				
5												
6										.31		.04
7												
8												
9	.20											
10				.04					.08			
11											1.10	
12				.04							.08	
13			.24	.16							.04	.16
14								.12				.75
15								.20				
16												
17			.31							.16		
18			.04							3.66		
19						.55						
20												
21												.04
22						.04						
23					.20							
24												
25								.12				
26								.20				
27				.12								
28												
29				.16	----				.51		.04	
30				.87	----				.04			
31		----	.24	.24	----		----		----			----
SUM	0.20	0.00	2.24	1.65	0.20	2.13	0.31	0.79	0.63	4.13	1.26	0.98
ACC	0.20	0.20	2.44	4.09	4.29	6.42	6.73	7.52	8.15	12.28	13.54	14.53
MAX	0.20	0.00	1.22	0.87	0.20	1.30	0.20	0.47	0.51	3.66	1.10	0.75
NO.	1	0	6	8	1	5	2	3	3	3	4	4
	Maximum Daily Rainfall											3.66
	Maximum Monthly Rainfall											4.13
	Total Annual Rainfall											14.53
	Number of Days with Rain											40

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Sunnycove FRS (gage # 5245) for Water Year 2014

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1						.75					.31	
2											.47	
3										.51	.79	
4		.04								.04		.43
5												
6										1.10		
7												
8												1.85
9												.20
10	.04											
11												
12											1.18	
13										.12	.39	
14										.04		
15												
16												
17												
18											.12	
19			.12								.12	
20			.35									
21		.04									.04	
22		1.57										
23		.35										
24		.12										
25											.75	
26												
27												.24
28												
29						----						
30						----						
31		----				----	----		----	.20		----
SUM	0.04	2.13	0.47	0.00	0.00	0.75	0.00	0.00	0.00	2.01	4.17	2.72
ACC	0.04	2.17	2.64	2.64	2.64	3.39	3.39	3.39	3.39	5.39	9.57	12.28
MAX	0.04	1.57	0.35	0.00	0.00	0.71	0.00	0.00	0.00	1.10	1.18	1.85
NO.	1	5	2	0	0	1	0	0	0	6	9	4
											Maximum Daily Rainfall	1.85
											Maximum Monthly Rainfall	4.17
											Total Annual Rainfall	12.28
											Number of Days with Rain	28

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Sunnycove FRS (gage # 5245) for Water Year 2012

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1			.08									
2												
3			.08									
4		.16								.55		.08
5		.04										
6	.04											.08
7		.24										
8												
9												
10												.04
11										.04		.04
12			.55									
13		.08	.63									
14			.12							.71		
15												
16												
17			.04									
18			.12			.87					.16	
19											.04	
20												
21										.04	.16	
22										.24	.04	
23											.71	
24												
25												
26							.08					
27											----	
28											----	
29										.20		
30												
31		----			----		----		----			----
SUM	0.04	0.51	1.61	0.00	0.00	0.87	0.08	0.00	0.00	1.77	1.10	0.24
ACC	0.04	0.55	2.17	2.17	2.17	3.03	3.11	3.11	3.11	4.88	5.98	6.22
MAX	0.04	0.24	0.63	0.00	0.00	0.87	0.08	0.00	0.00	0.71	0.71	0.08
NO.	1	4	7	0	0	1	1	0	0	6	5	4
Maximum Daily Rainfall											0.87	
Maximum Monthly Rainfall											1.77	
Total Annual Rainfall											6.22	
Number of Days with Rain											29	

Gage 5245 down from 7/26 14:35 (119) through 7/28 20:35 (119) due to repeater failure; no rain fell.

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Sunnycove FRS (gage # 5245) for Water Year 2011

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3										.20		
4	.04											
5	.04											
6	.04											
7												
8							.08					
9							.24					
10												
11												
12												
13												
14												
15												
16			.04									
17												
18												
19					.59							
20	.04				.20							
21		.08				.28						
22			1.02									
23			.08									
24												
25												
26					.24							
27					.20							
28												
29			.31		----							
30			.04		----							
31		----			----		----		----			----
SUM	0.16	0.08	1.50	0.00	1.22	0.28	0.31	0.00	0.00	0.20	0.00	0.00
ACC	0.16	0.24	1.73	1.73	2.95	3.23	3.54	3.54	3.54	3.74	3.74	3.74
MAX	0.04	0.08	1.02	0.00	0.59	0.28	0.24	0.00	0.00	0.20	0.00	0.00
NO.	4	2	5	0	4	1	2	0	0	1	0	0
							Maximum Daily Rainfall					1.02
							Maximum Monthly Rainfall					1.50
							Total Annual Rainfall					3.74
							Number of Days with Rain					19

Annual Total (mm): 95

Days Down: 0

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Sunnycove FRS (gage # 5245) for Water Year 1998

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							.20					
2												
3				.08	.20							
4				.08	.79							.43
5												
6			.24									
7			.51		.04						.55	
8					.55						.24	
9				.04	.35							
10				.43								
11												.08
12							.28				.51	
13		.16						.24			.24	
14		.04			.20							
15					.24	.04						
16												
17					.91	.12					.20	
18												
19										.28		
20					.28							
21			.39							.12		
22			.43									
23												
24					.20						.35	
25							.08					
26						.35						
27												
28						.20						
29						.04						
30												
31											.28	
SUM	0.00	0.20	1.57	0.63	3.74	0.75	0.55	0.24	0.00	0.39	2.36	0.51
ACC	0.00	0.20	1.77	2.44	6.18	6.93	7.48	7.72	7.72	8.11	10.47	10.98
MAX	0.00	0.16	0.51	0.43	0.91	0.35	0.28	0.24	0.00	0.28	0.55	0.43
NO.	0	2	4	4	10	5	3	1	0	2	7	2
							Maximum Daily Rainfall					0.91
							Maximum Monthly Rainfall					3.74
							Total Annual Rainfall					10.98
							Number of Days with Rain					40

Notes:

Annual rainfall in millimeters: 279

Total down-time: 0 days

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Sunnycove FRS (gage # 5245) for Water Year 1997

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												.16
2												
3							.43					
4							.16					
5										.75		.55
6												.04
7												
8										.47		
9										.16		
10												
11												.24
12				.04								
13				.71								
14	.04											
15												
16												
17												
18												
19												
20								.08				
21												
22		.04										
23												
24												
25												1.22
26				.12								1.57
27				.04	.63							
28					.28							
29												
30												
31												
SUM	0.04	0.04	0.00	0.91	0.91	0.00	0.59	0.08	0.00	0.00	1.38	3.78
ACC	0.04	0.08	0.08	0.98	1.89	1.89	2.48	2.56	2.56	2.56	3.94	7.72
MAX	0.04	0.04	0.00	0.71	0.63	0.00	0.43	0.08	0.00	0.00	0.75	1.57
NO.	1	1	0	4	2	0	2	1	0	0	3	6
							Maximum Daily Rainfall					1.57
							Maximum Monthly Rainfall					3.78
							Total Annual Rainfall					7.72
							Number of Days with Rain					20

Notes:

Annual rainfall in millimeters: 196

Total down-time: 0 days

Flood Control District of Maricopa County ALERT System
 Daily Rainfall at Sunnycove FRS (gage # 5245) for Water Year 1993

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3			.04	.04								
4			.83									
5											.12	
6				.51								
7				.39								
8			.63	.35	2.32							
9					.55							
10				.94								
11												
12				.28								.24
13												
14				.31	.04							
15				.08	.12							
16				.51								
17				.39								
18				.12								
19				.04	.39							
20					.20							
21												
22												
23												
24	.04											
25											.04	
26						.08					.04	
27			.24		.28	.12						
28			1.22		.47						.16	
29			.08								.31	
30												
31												
SUM	0.04	0.00	3.03	3.98	4.37	0.20	0.00	0.00	0.00	0.00	0.67	0.24
ACC	0.04	0.04	3.07	7.05	11.42	11.61	11.61	11.61	11.61	11.61	12.28	12.52
MAX	0.04	0.00	1.22	0.94	2.32	0.12	0.00	0.00	0.00	0.00	0.31	0.24
NO.	1	0	6	12	8	2	0	0	0	0	5	1
							Maximum Daily Rainfall					2.32
							Maximum Monthly Rainfall					4.37
							Total Annual Rainfall					12.52
							Number of Days with Rain					35

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Sunnycove FRS (gage # 5245) for Water Year 1991

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	.55					.87						.04	
2													
3				.04						.16			
4				.35									
5				.20									
6													
7													
8													
9													
10													
11													
12													
13													
14													
15						.24							
16													
17													
18													
19						.12							
20		.04	.04			.24							
21						.04							
22													
23													
24													
25													
26		.16				.79				.12			
27					.12	.47				.35			
28			.04		1.26								
29			.12										
30													
31													
SUM	0.55	0.20	0.20	0.59	1.38	2.76	0.00	0.00	0.00	0.16	0.47	0.04	
ACC	0.55	0.75	0.94	1.54	2.91	5.67	5.67	5.67	5.67	5.83	6.30	6.34	
MAX	0.55	0.16	0.12	0.35	1.26	0.87	0.00	0.00	0.00	0.16	0.35	0.04	
NO.	1	2	3	3	2	7	0	0	0	1	2	1	
												Maximum Daily Rainfall	1.26
												Maximum Monthly Rainfall	2.76
												Total Annual Rainfall	6.34
												Number of Days with Rain	22

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Sunnycove FRS (gage # 5245) for Water Year 1990

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					.12		.04					
2				.43								
3				.04								.83
4	.04						.08					
5												.43
6										.98		
7										.12		
8										.71		
9												
10									.16			
11						.08					.31	
12										.16		
13												
14				.16							.87	
15				.04							.08	
16												
17				.94						.04		
18												
19					.16		.04					
20												
21	.20									.12		.04
22												
23												
24												
25												
26												
27												
28			.39									
29			.04			.08						
30						.31						
31												
SUM	0.24	0.00	0.43	1.61	0.28	0.47	0.16	0.00	0.16	2.13	1.26	1.30
ACC	0.24	0.24	0.67	2.28	2.56	3.03	3.19	3.19	3.35	5.47	6.73	8.03
MAX	0.20	0.00	0.39	0.94	0.16	0.31	0.08	0.00	0.16	0.98	0.87	0.83
NO.	2	0	2	5	2	3	3	0	1	6	3	3
							Maximum Daily Rainfall				0.98	
							Maximum Monthly Rainfall				2.13	
							Total Annual Rainfall				8.03	
							Number of Days with Rain				30	

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Sunnycove FRS (gage # 5245) for Water Year 1988

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2						.12						
3					.04							
4												
5												
6												
7												
8												
9										.04		
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20											.20	
21							.79				.59	
22							.51					
23											.28	
24												
25										.08	.94	
26					.12							
27											1.77	
28										.08		
29											.35	
30											.04	
31												
SUM	----	----	----	0.00	0.16	0.12	1.30	0.00	0.00	0.20	4.17	0.00
ACC	----	----	----	0.00	0.16	0.28	1.57	1.57	1.57	1.85	6.02	6.02
MAX	----	----	----	0.00	0.12	0.12	0.79	0.00	0.00	0.08	1.77	0.00
NO.	----	----	----	0	2	1	2	0	0	3	7	0
							Maximum Daily Rainfall					1.77
							Maximum Monthly Rainfall					4.17
							Partial Annual Rainfall					6.02
							Number of Days with Rain					15

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Sunnycove FRS (gage # 5245) for Water Year 1987

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												.75
4											.91	.04
5	.12			.79								
6			.24									
7			.31			.20						
8				.04								
9	.08											
10	.08										.31	
11	.08											
12												
13												
14								.63				
15								.71				
16			.12			.12						
17			.04									
18		.39										
19										.08		
20			.24	.04						.20		
21												
22						.04						.35
23											.04	
24					.98	.04						
25					.24						.28	
26					.04							
27										.16		
28										.08		
29												
30							.08					
31				.04								
SUM	0.35	0.39	0.94	0.91	1.26	0.39	0.08	1.34	0.00	0.51	1.54	1.14
ACC	0.35	0.75	1.69	2.60	3.86	4.25	4.33	5.67	5.67	6.18	7.72	8.86
MAX	0.12	0.39	0.31	0.79	0.98	0.20	0.08	0.71	0.00	0.20	0.91	0.75
NO.	4	1	5	4	3	4	1	2	0	4	4	3
							Maximum Daily Rainfall					0.98
							Maximum Monthly Rainfall					1.54
							Total Annual Rainfall					8.86
							Number of Days with Rain					35

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Sunnycove FRS (gage # 5245) for Water Year 1986

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1													
2													
3													
4													
5													
6													
7													
8												1.22	
9													
10													
11											.24		
12											.04		
13													
14													
15													
16													
17													
18													
19													
20													
21													
22												.08	
23												.28	
24													
25											.12		
26											.75		
27													
28													
29											.08		
30													
31													
SUM	----	----	----	----	----	----	----	----	----	0.00	1.22	1.57	
ACC	----	----	----	----	----	----	----	----	----	0.00	1.22	2.80	
MAX	----	----	----	----	----	----	----	----	----	0.00	0.75	1.22	
NO.	----	----	----	----	----	----	----	----	----	0	5	3	
												Maximum Daily Rainfall	1.22
												Maximum Monthly Rainfall	1.57
												Partial Annual Rainfall	2.80
												Number of Days with Rain	8

Station installed 08/11/1986.