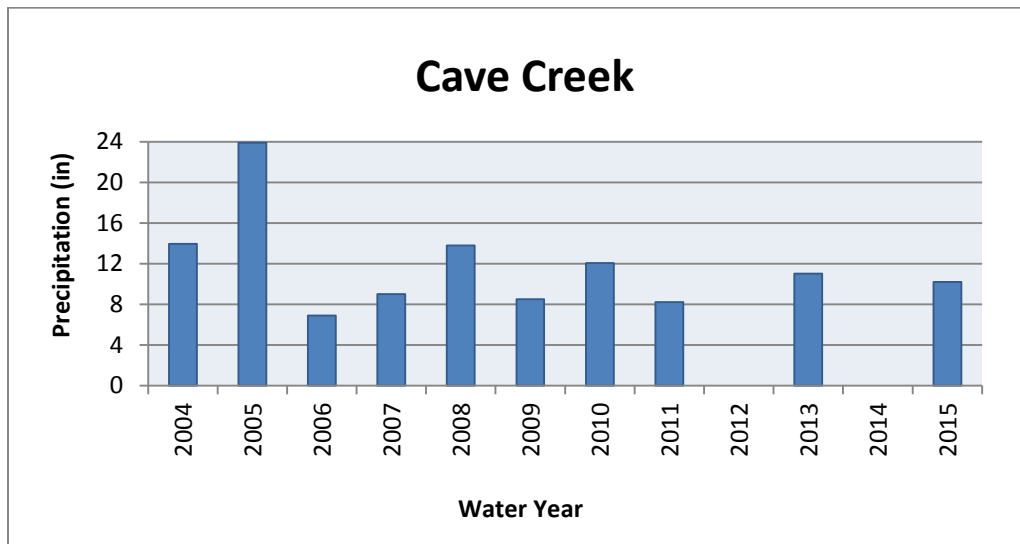




## Station Name: Cave Creek

<b>Station ID Number History:</b>	4890 since 05/29/03
<b>Station Type:</b>	Rain / Stream
<b>Data Begins:</b>	05/29/2003
<b>Years Since Installation:</b>	12.34 (as of 10/01/15)
<b>Data Repeater:</b>	Direct
<b>County:</b>	Maricopa
<b>Latitude:</b>	33° 49' 48.9" (33.83024)
<b>Longitude:</b>	111° 58' 04.0" (111.96778)
<b>Elevation:</b>	1,995 ft. msl
<b>Location:</b>	1 mile west of Cave Creek Town Hall
<b>Data Record:</b>	
Incomplete Months:	03/12
Missing Months:	None
<b>Remarks:</b>	Records Poor



**Data Statistics for Period of Record:**

Number of storms greater than 1 inch in 24 hours:	38	
Number of storms greater than 2 inches in 24 hours:	10	
Number of storms greater than 3 inches in 24 hours:	1	
		<b>Approx. T<sub>r</sub></b>
Greatest 15 minute total:	1.22" on 07/21/13	39 years
Greatest 1 hour total:	1.97" on 08/02/05	33 years
Greatest 3 hour total:	2.05" on 08/02/05	18 years
Greatest 6 hour total:	2.24" on 08/02/05	17 years
Greatest 24 hour total:	3.50" on 11/30/07	25 years
Greatest 72 hour total:	4.37" on 01/21/10	25 years

**Water Year Totals: (Mean of Complete Water Years [10] = 11.75 inches)**

Water Year	Total	Water Year	Total
2020		2010	12.05
2019		2009	8.50
2018		2008	13.78
2017		2007	9.02
2016		2006	6.89
2015	10.20	2005	23.90
2014	M	2004	13.94
2013	11.02	2003	M
2012	M	2002	
2011	8.23	2001	

M: One or more months contain partial or missing data

**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 Cave Creek (gage # 4890) for Water Year 2014

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1						1.38						
2						.04	.04				.75	
3											.04	
4												
5												
6												.04
7												
8												1.10
9									.04			.16
10	.08											
11											.16	
12											.43	
13											.20	
14												
15												
16												
17											.12	.04
18												
19			.16								1.54	
20			.20									
21		.12									.04	
22		1.50										
23		.47								.04		
24		.08										
25												
26									.08			
27												.24
28												.12
29					----							
30					----							
31		----			----		----		----			----
SUM	0.08	2.17	0.35	0.00	0.00	1.42	0.04	0.00	0.00	0.16	3.27	1.69
ACC	0.08	2.24	2.60	2.60	2.60	4.02	4.06	4.06	4.06	4.21	7.48	9.17
MAX	0.08	1.50	0.20	0.00	0.00	1.38	0.04	0.00	0.00	0.08	1.54	1.10
NO.	1	4	2	0	0	2	1	0	0	3	8	6
							Maximum Daily Rainfall					1.54
							Maximum Monthly Rainfall					3.27
							Total Annual Rainfall					9.17
							Number of Days with Rain					27

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Annual total considered suspect by reason of high-wind profile or other detrimental physical condition.

**Flood Control District of Maricopa County ALERT System**  
Daily Rainfall at Cave Creek (gage # 4890) 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						.63						.31	
9		.12			.04	.16						2.09	
10		.04										.24	
11	.16				.04								
12	.08												
13			.20										
14			.35										
15			.55										
16													
17													
18			.24										
19			.04							.04			
20					.35					.08			
21					.47					2.01			
22													
23													
24										.08			
25				.04									
26				1.81						.08			
27				.59						.08			
28													
29					----								
30					----						.12		
31		----			----		----		----			----	
SUM	0.24	0.16	1.38	2.44	0.91	0.79	0.00	0.00	0.00	2.36	0.12	2.64	
ACC	0.24	0.39	1.77	4.21	5.12	5.91	5.91	5.91	5.91	8.27	8.39	11.02	
MAX	0.16	0.12	0.55	1.81	0.47	0.63	0.00	0.00	0.00	2.01	0.12	2.09	
NO.	2	2	5	3	4	2	0	0	0	6	1	3	
												Maximum Daily Rainfall	2.09
												Maximum Monthly Rainfall	2.64
												Total Annual Rainfall	11.02
												Number of Days with Rain	28

**Flood Control District of Maricopa County ALERT System**  
**Daily Rainfall at Cave Creek (gage # 4890) for Water Year 2012**

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
4	.04	.20										
5	.04	.12										
6	.04											
7		.08										.75
8												
9												.08
10												.12
11												.16
12			.28									
13		.08	.47									
14			.08							.04		
15												
16												
17											.04	
18			.04			.04						
19						.04						
20												
21										1.10	.12	
22											.08	
23										.35	1.18	
24											.04	
25	.12											
26												
27												
28										.04		
29										.24		
30					----							
31		----			----		----		----			----
SUM	0.24	0.47	0.87	0.00	0.00	0.08	0.00	0.00	0.00	1.77	1.46	1.10
ACC	0.24	0.71	1.57	1.57	1.57	1.65	1.65	1.65	1.65	3.43	4.88	5.98
MAX	0.12	0.20	0.47	0.00	0.00	0.04	0.00	0.00	0.00	1.10	1.18	0.75
NO.	4	4	4	0	0	2	0	0	0	5	5	4
							Maximum Daily Rainfall					1.18
							Maximum Monthly Rainfall					1.77
							<b>Partial</b> Annual Rainfall					5.98
							Number of Days with Rain					28

Gage 4890 had severe under-catch on 03/18, no estimate made – inaccurate monthly and annual totals.







**Flood Control District of Maricopa County ALERT System**  
**Daily Rainfall at Cave Creek (gage # 4890) for Water Year 2009**

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
4				.16								
5				.04								.04
6												
7					.20							
8			.04		.71						----	
9					.71	.04					----	.04
10					.04							
11							.83					
12							.04					
13											.28	
14												
15			.12									
16			.98									
17			.24		.08							
18			.39									
19												
20												
21								.35			.04	
22			.12	.28				.31				
23			.04									
24										.28		
25			.59									
26		.20	.16									
27		1.14										
28												
29					----							
30					----							
31		----			----		----		----		.04	----
SUM	0.00	1.34	2.68	0.47	1.73	0.04	0.87	0.67	0.00	0.28	0.35	0.08
ACC	0.00	1.34	4.02	4.49	6.22	6.26	7.13	7.80	7.80	8.07	8.43	8.50
MAX	0.00	1.14	0.98	0.28	0.71	0.04	0.83	0.35	0.00	0.28	0.28	0.04
NO.	0	2	9	3	5	1	2	2	0	1	3	2
							Maximum Daily Rainfall					1.14
							Maximum Monthly Rainfall					2.68
							Total Annual Rainfall					8.50
							Number of Days with Rain					30

**Notes:**

Annual rainfall in millimeters: 216 Total down-time: 2.75 days  
 Gage 4890 down from 8/07 12:10 (205) through 8/10 06:10 (205) for unknown reason; no rain fell.

## Flood Control District of Maricopa County ALERT System Daily Rainfall at Cave Creek (gage # 4890) for Water Year 2008

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1			1.34									
2												
3					.08							
4					.39							
5											.20	
6				.16							.04	
7			.55	1.14							.08	
8			.39								.08	
9												
10			.24							.39		
11										.12		
12			.04									
13								.04				
14										.12		
15					.12						.71	
16												
17												
18												
19												
20					.08							
21												
22					.16							
23								.28				
24				.24				.04				
25				.04							1.26	
26											.24	
27				2.32								
28				.28								
29											.31	
30		2.32			----							
31		----			----		----		----			----
SUM	0.00	2.32	2.56	4.17	0.83	0.00	0.00	0.35	0.00	0.63	2.91	0.00
ACC	0.00	2.32	4.88	9.06	9.88	9.88	9.88	10.24	10.24	10.87	13.78	13.78
MAX	0.00	2.32	1.34	2.32	0.39	0.00	0.00	0.28	0.00	0.39	1.26	0.00
NO.	0	1	5	6	5	0	0	3	0	3	8	0
	Maximum Daily Rainfall											2.32
	Maximum Monthly Rainfall											4.17
	Total Annual Rainfall											13.78
	Number of Days with Rain											31

### Notes:

Annual rainfall in millimeters: 350

Total down-time: 0.00 days

**Flood Control District of Maricopa County ALERT System**  
**Daily Rainfall at Cave Creek (gage # 4890) for Water Year 2007**

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
4											.04	
5	.08			.04							.08	
6	.20											
7												
8	.24											
9												
10												
11					.16							
12							.04					
13	.04						.20					
14	1.10				.04							
15												
16										.28		
17										.04		
18												
19				.55	.47							
20				.08								
21				.35			.08			.87		
22			.04			.67						
23						.20				1.61		
24						.24				.16		
25								----				
26								----				
27			.04					----				
28			.24					----				
29			.08									
30				.04	----							
31		----		.31	----		----		----	.43		----
SUM	1.65	0.00	0.39	1.38	0.67	1.10	0.31	0.00	0.00	3.39	0.12	0.00
ACC	1.65	1.65	2.05	3.43	4.09	5.20	5.51	5.51	5.51	8.90	9.02	9.02
MAX	1.10	0.00	0.24	0.55	0.47	0.67	0.20	0.00	0.00	1.61	0.08	0.00
NO.	5	0	4	6	3	3	3	0	0	6	2	0
										Maximum Daily Rainfall		1.61
										Maximum Monthly Rainfall		3.39
										Total Annual Rainfall		9.02
										Number of Days with Rain		32

**Notes:**

Annual rainfall in millimeters: 229

Total down-time: 5.38 days

Gage 4890 down from 5/24 02:27 (140) through 5/29 11:38 (140) for unknown reason; no rain fell.

**Flood Control District of Maricopa County ALERT System**  
**Daily Rainfall at Cave Creek (gage # 4890) for Water Year 2006**

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												.16
3												.51
4												
5							.08					
6												
7												.24
8	.04											
9												.31
10												
11						1.73						
12											.24	
13												.04
14												.08
15												
16								.20				
17	.08											
18	1.06											
19						.47						
20										.04		
21						.08				.08		
22												
23												
24											.31	
25												
26										.04		
27												
28												
29										.04		
30									.20	.87		
31												
SUM	1.18	0.00	0.00	0.00	0.00	2.28	0.08	0.20	0.20	1.06	0.55	1.34
ACC	1.18	1.18	1.18	1.18	1.18	3.46	3.54	3.74	3.94	5.00	5.55	6.89
MAX	1.06	0.00	0.00	0.00	0.00	1.73	0.08	0.20	0.20	0.87	0.31	0.51
NO.	3	0	0	0	0	3	1	1	1	5	2	6
							Maximum Daily Rainfall					1.73
							Maximum Monthly Rainfall					2.28
							Total Annual Rainfall					6.89
							Number of Days with Rain					22

**Notes:**

Annual rainfall in millimeters: 175

Total down-time: 0.00 days

**Flood Control District of Maricopa County ALERT System**  
Daily Rainfall at Cave Creek (gage # 4890) for Water Year 2005

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1											.04	
2											2.09	
3				.98							.16	.98
4			.39	.75		.08						-----
5			.16			.12					.39	-----
6			.59	.04	.12	.08						-----
7		.24	.04		.12						.20	-----
8		.24			.04						.04	
9		.04									1.69	
10					.12							
11				.24	1.22						.04	
12					2.01						.04	
13												
14												
15		.04			.04							
16												
17					.51							
18					.59							
19					.75	.08						
20		.04			.43	.08						
21	.55	.24			.35							
22		.43			.28				.04			
23					.04		.35		.16	.47		
24				.08	.12		.04					
25						.04				.28		
26				.91	.12					.04		
27				.91								
28	.51		.28									
29	.04		1.06	.39	-----							
30					-----							
31		-----			-----		-----		-----	.31		-----
SUM	1.10	1.26	2.52	4.29	6.85	0.47	0.39	0.00	0.20	1.10	4.69	0.98
ACC	1.10	2.36	4.88	9.17	16.02	16.50	16.89	16.89	17.09	18.19	22.91	23.90
MAX	0.55	0.43	1.06	0.98	2.01	0.12	0.35	0.00	0.16	0.47	2.09	0.98
NO.	3	7	6	8	16	6	2	0	2	4	9	1
							Maximum Daily Rainfall					2.09
							Maximum Monthly Rainfall					6.85
							Total Annual Rainfall					23.90
							Number of Days with Rain					64

**Notes:**

Annual rainfall in millimeters: 607 Total down-time: 4.60 days  
Gage 4890 down from 9/03 18:57 (607) through 9/08 09:23 (607) due to flood damage, assume no rain fell.

**Flood Control District of Maricopa County ALERT System**  
**Daily Rainfall at Cave Creek (gage # 4890) for Water Year 2004**

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1		.04					.12					
2		.04					1.61					
3				.16	.08							
4						1.06						
5						1.38						
6												
7							.08					
8												
9												
10	.67											
11		.04	.24								.12	
12		2.24										
13		.04				.67					.12	
14			.04									
15											.67	
16										.04		
17												
18												.04
19											.04	1.89
20												
21												
22				.20	.04							
23					.98							
24			.04									
25										.12		
26			.20							.71		
27					.08					.12		
28												
29												.04
30					-----							
31		-----			-----		-----		-----			
SUM	0.67	2.40	0.51	0.35	1.18	3.11	1.81	0.00	0.00	0.98	0.94	1.97
ACC	0.67	3.07	3.58	3.94	5.12	8.23	10.04	10.04	10.04	11.02	11.97	13.94
MAX	0.67	2.24	0.24	0.20	0.98	1.38	1.61	0.00	0.00	0.71	0.67	1.89
NO.	1	5	4	2	4	3	3	0	0	4	4	3
							Maximum Daily Rainfall					2.24
							Maximum Monthly Rainfall					3.11
							Total Annual Rainfall					13.94
							Number of Days with Rain					33

**Notes:**

Annual rainfall in millimeters: 354

Total down-time: 0.00 days

**Flood Control District of Maricopa County ALERT System**  
**Daily Rainfall at Cave Creek (gauge # 4890) for Water Year 2003**

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	-----	-----	-----	-----	-----	-----	-----	-----			.31	
2	-----	-----	-----	-----	-----	-----	-----	-----				
3	-----	-----	-----	-----	-----	-----	-----	-----				
4	-----	-----	-----	-----	-----	-----	-----	-----				
5	-----	-----	-----	-----	-----	-----	-----	-----				
6	-----	-----	-----	-----	-----	-----	-----	-----				
7	-----	-----	-----	-----	-----	-----	-----	-----				
8	-----	-----	-----	-----	-----	-----	-----	-----				
9	-----	-----	-----	-----	-----	-----	-----	-----				
10	-----	-----	-----	-----	-----	-----	-----	-----				
11	-----	-----	-----	-----	-----	-----	-----	-----				
12	-----	-----	-----	-----	-----	-----	-----	-----				
13	-----	-----	-----	-----	-----	-----	-----	-----				
14	-----	-----	-----	-----	-----	-----	-----	-----			1.14	
15	-----	-----	-----	-----	-----	-----	-----	-----				
16	-----	-----	-----	-----	-----	-----	-----	-----				
17	-----	-----	-----	-----	-----	-----	-----	-----				
18	-----	-----	-----	-----	-----	-----	-----	-----				
19	-----	-----	-----	-----	-----	-----	-----	-----			.24	
20	-----	-----	-----	-----	-----	-----	-----	-----				
21	-----	-----	-----	-----	-----	-----	-----	-----				
22	-----	-----	-----	-----	-----	-----	-----	-----				
23	-----	-----	-----	-----	-----	-----	-----	-----		.16		
24	-----	-----	-----	-----	-----	-----	-----	-----		-----		
25	-----	-----	-----	-----	-----	-----	-----	-----		-----		
26	-----	-----	-----	-----	-----	-----	-----	-----		-----	.98	
27	-----	-----	-----	-----	-----	-----	-----	-----			.08	
28	-----	-----	-----	-----	-----	-----	-----	-----		.16		
29	-----	-----	-----	-----	-----	-----	-----	-----		.08		
30	-----	-----	-----	-----	-----	-----	-----	-----		.28		
31	-----	-----	-----	-----	-----	-----	-----	-----	-----			-----
SUM	-----	-----	-----	-----	-----	-----	-----	0.00	0.00	0.67	2.76	0.00
ACC	-----	-----	-----	-----	-----	-----	-----	0.00	0.00	0.71	3.46	3.46
MAX	-----	-----	-----	-----	-----	-----	-----	0.00	0.00	0.28	1.14	0.00
NO.	-----	-----	-----	-----	-----	-----	-----	0	0	4	5	0
										Maximum Daily Rainfall	1.14	
										Maximum Monthly Rainfall	2.76	
										<b>Partial</b> Annual Rainfall	3.46	
										Number of Days with Rain	9	

**Notes:**

Partial annual rainfall in millimeters: 88  
 Gage 4890 down from 7/23 20:02 (4) through 7/27 00:01 (4) for unknown reason; no rain fell.  
 Station installed on 05/29/2003.

Total down-time: 3.17 days