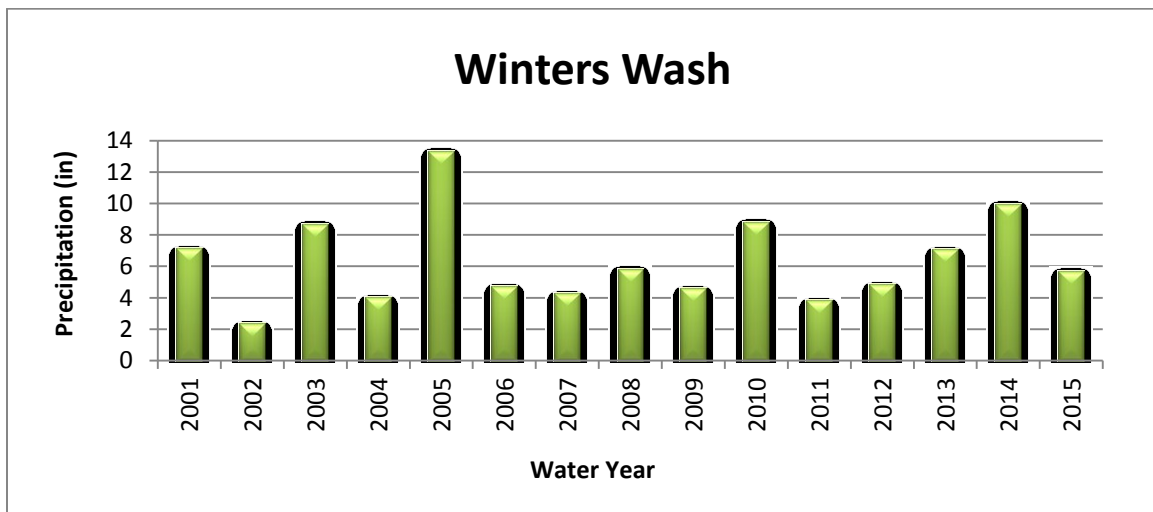


Station Name: Winters Wash

Station ID Number History:	5115 since installed
Station Type:	Rain / Stream
Data Begins:	07/11/2000
Years Since Installation:	15.22 (as of 10/01/15)
Data Repeater:	White Tank Peak
County:	Maricopa
Latitude:	33° 30' 31.5" (33.50876)
Longitude:	112° 54' 44.0" (112.91222)
Elevation:	1,125 ft. msl
Location:	1 mile north of Indian School Rd. and 403rd Avenue
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:	23	
Number of storms greater than 2 inches in 24 hours:	4	
Number of storms greater than 3 inches in 24 hours:	1	
		Approx. T_r
Greatest 15 minute total:	1.02" on 09/09/13	7 years
Greatest 1 hour total:	1.73" on 09/09/13	24 years
Greatest 3 hour total:	2.20" on 07/06/01	34 years
Greatest 6 hour total:	2.40" on 07/06/01	31 years
Greatest 24 hour total:	3.27" on 01/21/10	43 years
Greatest 72 hour total:	4.29" on 01/21/10	100 years

Water Year Totals (Mean of Complete Water Years [15] = 6.35 inches):

Water Year	Total	Water Year	Total
2020		2010	8.82
2019		2009	4.61
2018		2008	5.83
2017		2007	4.29
2016		2006	4.72
2015	5.71	2005	13.35
2014	9.96	2004	4.02
2013	7.09	2003	8.70
2012	4.84	2002	2.36
2011	3.82	2001	7.13

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 Winters Wash (gage # 5115) for Water Year 2014

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1						1.30					.47	
2												
3											.43	
4		.28								.39		
5												
6												
7												.04
8												2.20
9												.24
10	.08											
11												
12												
13										.12	.08	
14												
15												
16												.47
17												.16
18												
19											.67	
20			.12								.04	
21		.20	.04								.12	
22		1.85										
23		.35										
24		.04										
25											.16	
26												
27												.12
28												
29					----							
30					----							
31		----			----		----		----			----
SUM	0.08	2.72	0.16	0.00	0.00	1.30	0.00	0.00	0.00	0.51	1.97	3.23
ACC	0.08	2.80	2.95	2.95	2.95	4.25	4.25	4.25	4.25	4.76	6.73	9.96
MAX	0.08	1.85	0.12	0.00	0.00	1.30	0.00	0.00	0.00	0.39	0.67	2.20
NO.	1	5	2	0	0	1	0	0	0	2	7	6
							Maximum Daily Rainfall					2.20
							Maximum Monthly Rainfall					3.23
							Total Annual Rainfall					9.96
							Number of Days with Rain					24

Flood Control District of Maricopa County ALERT System
 Daily [Rainfall](#) at Winters Wash (gage # 5115) for Water Year 2013

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
1													
2										.04			
3													
4													
5													
6													
7													
8		.04				.55							
9					.12							1.89	
10												.08	
11										.16			
12													
13			.12										
14			.28										
15			.08										
16													
17													
18			.08								.16		
19													
20					.08					.04			
21										.04			
22												----	
23													
24											.12		
25											.04		
26				.94							1.34		
27				.12									
28											.79		
29					----								
30					----								
31		----			----		----		----			----	
SUM	0.00	0.04	0.55	1.06	0.20	0.55	0.00	0.00	0.00	0.28	2.44	1.97	
ACC	0.00	0.04	0.59	1.65	1.85	2.40	2.40	2.40	2.40	2.68	5.12	7.09	
MAX	0.00	0.04	0.28	0.94	0.12	0.55	0.00	0.00	0.00	0.16	1.34	1.89	
NO.	0	1	4	2	2	1	0	0	0	4	5	2	
												Maximum Daily Rainfall	1.89
												Maximum Monthly Rainfall	2.44
												Total Annual Rainfall	7.09
												Number of Days with Rain	21

Gage 5115 down from 9/21 02:53 (180) through 9/23 08:53 (180) due to repeater failure; no rain fell.

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Winters Wash (gage # 5115) for Water Year 2011

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3										.08		
4	.20									.04		
5										.28		
6										.12		
7												
8							.08					
9							.35					
10												
11												.28
12												
13												.04
14												
15										----		
16										----		
17										----		
18												
19					.24							
20	.04				.04							
21						.16						
22			1.30									
23												
24												
25												
26					.31							
27					.04							
28												
29			.20		----							
30					----					.04		
31		----			----		----		----			----

SUM	0.24	0.00	1.50	0.00	0.63	0.16	0.43	0.00	0.00	0.55	0.00	0.31
-----	------	------	------	------	------	------	------	------	------	------	------	------

ACC	0.24	0.24	1.73	1.73	2.36	2.52	2.95	2.95	2.95	3.50	3.50	3.82
-----	------	------	------	------	------	------	------	------	------	------	------	------

MAX	0.20	0.00	1.30	0.00	0.31	0.16	0.35	0.00	0.00	0.28	0.00	0.28
-----	------	------	------	------	------	------	------	------	------	------	------	------

NO.	2	0	2	0	4	1	2	0	0	5	0	2
-----	---	---	---	---	---	---	---	---	---	---	---	---

Maximum Daily Rainfall 1.30

Maximum Monthly Rainfall 1.50

Total Annual Rainfall 3.82

Number of Days with Rain 18

Annual Total (mm): 97 Days Down: 4.18
Gage 5115 down from 07/14 06:33 (88) through 07/18 10:52 (88) due to battery failure; no rain fell.

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Winters Wash (gage # 5115) for Water Year 2009

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2										.08		
3												
4												
5												.04
6												
7					.12							
8			.04		.08							
9					.28							
10							.04					
11							.55					
12												
13											.08	
14												
15												
16			.35									
17			.79		.08							
18			.04									
19												
20										.12		
21										.04		
22			.08					.04		.04	.55	
23												
24												
25			.12									
26		.43										
27		.63										
28												
29					----							
30					----							
31		----			----		----		----			----
SUM	0.00	1.06	1.42	0.00	0.55	0.00	0.59	0.04	0.00	0.28	0.63	0.04
ACC	0.00	1.06	2.48	2.48	3.03	3.03	3.62	3.66	3.66	3.94	4.57	4.61
MAX	0.00	0.63	0.79	0.00	0.28	0.00	0.55	0.04	0.00	0.12	0.55	0.04
NO.	0	2	6	0	4	0	2	1	0	4	2	1
							Maximum Daily Rainfall					0.79
							Maximum Monthly Rainfall					1.42
							Total Annual Rainfall					4.61
							Number of Days with Rain					22

Notes:

Annual rainfall in millimeters: 117

Total down-time: 0.00 days

Flood Control District of Maricopa County ALERT System

Daily Rainfall at Winters Wash (gage # 5115) for Water Year 2006

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												.12
3												
4												
5										.12		
6												
7										.04		
8												.08
9												.83
10												
11						.16					.47	
12						.04					.12	
13												
14												
15												
16										.16		
17	.98											
18	.51											
19						.08						
20												
21												
22				----								
23												
24											.08	
25										.79		
26										.08		
27												
28												
29					----				.04			
30					----				.04			
31		----			----		----		----			----
SUM	1.50	0.00	0.00	0.00	0.00	0.28	0.00	0.00	0.08	1.18	0.67	1.02
ACC	1.50	1.50	1.50	1.50	1.50	1.77	1.77	1.77	1.85	3.03	3.70	4.72
MAX	0.98	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.04	0.79	0.47	0.83
NO.	2	0	0	0	0	3	0	0	2	5	3	3
							Maximum Daily Rainfall					0.98
							Maximum Monthly Rainfall					1.50
							Total Annual Rainfall					4.72
							Number of Days with Rain					18

Notes:

Annual rainfall in millimeters: 120 Total down-time: 2.25 days
 Gage 5115 down from 1/21 06:17 (38) through 1/23 12:17 (38) due to repeater failure; no rain fell.

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Winters Wash (gage # 5115) for Water Year 2005

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1		-----		.04								
2		-----										
3				1.02						.24		
4			.08	.87		.04						
5			.47	.04		.47						
6			.20									
7		.71										
8		.04										
9										1.65		
10					.24					.08		
11					.98							
12		.04			.31							
13												
14												
15								-----				
16												
17					.04							
18					.20							
19					.55	.04						
20												
21	.98				.04							
22		.59			.20					.04		
23					.24	-----					.04	
24												
25												
26				.31		-----						
27						-----						
28	1.14		.35									
29			.59		-----							
30					-----					.47		
31		-----			-----		-----		-----			-----

 SUM 2.13 1.38 1.69 2.28 2.80 0.55 0.00 0.00 0.00 0.51 2.01 0.00

ACC 2.13 3.50 5.20 7.48 10.28 10.83 10.83 10.83 10.83 11.34 13.35 13.35

MAX 1.14 0.71 0.59 1.02 0.98 0.47 0.00 0.00 0.00 0.47 1.65 0.00

NO. 2 4 5 5 9 3 0 0 0 2 4 0

Maximum Daily Rainfall 1.65

Maximum Monthly Rainfall 2.80

Total Annual Rainfall 13.35

Number of Days with Rain 34

Notes:

- Annual rainfall in millimeters: 339 Total down-time: 7.75 days
- Gage 5115 down from 10/31 22:43 (54) through 11/03 10:43 (54) for unknown reason; no rain fell.
- Gage 5115 down from 3/25 05:33 (275) through 3/28 05:32 (275) due to programming error; no rain fell.
- Gage 5115 down from 5/14 05:27 (275) through 5/16 11:27 (275) due to repeater failure; no rain fell.

Flood Control District of Maricopa County ALERT System
Daily Rainfall at Winters Wash (gage # 5115) for Water Year 2004

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
1													
2							1.42						
3				.04		.12							
4						.12							
5						.04							
6											.04		
7													
8													
9													
10										-----			
11			.08							-----			
12		.28											
13											.08		
14										.35			
15											.04		
16										.16			
17										.04			
18												.12	
19												.12	
20													
21													
22				.08	.08								
23					.75								
24			.04										
25													
26			.04										
27													
28													
29													
30						-----							
31		-----			-----		-----		-----			-----	
SUM	0.00	0.28	0.16	0.12	0.83	0.28	1.42	0.00	0.00	0.55	0.16	0.24	
ACC	0.00	0.28	0.43	0.55	1.38	1.65	3.07	3.07	3.07	3.62	3.78	4.02	
MAX	0.00	0.28	0.08	0.08	0.75	0.12	1.42	0.00	0.00	0.35	0.08	0.12	
NO.	0	1	3	2	2	3	1	0	0	3	3	2	
												Maximum Daily Rainfall	1.42
												Maximum Monthly Rainfall	1.42
												Total Annual Rainfall	4.02
												Number of Days with Rain	20

Notes:

Annual rainfall in millimeters: 102 Total down-time: 2.75 days
Gage 5115 down from 7/09 15:25 (78) through 7/12 09:25 (78) due to battery failure; no rain fell.

Flood Control District of Maricopa County ALERT System
 Daily Rainfall at Winters Wash (gage # 5115) for Water Year 2000

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	----	----	----	----	----	----	----	----	----		.08			
16	----	----	----	----	----	----	----	----	----		.20			
17	----	----	----	----	----	----	----	----	----					
18	----	----	----	----	----	----	----	----	----					
19	----	----	----	----	----	----	----	----	----					
20	----	----	----	----	----	----	----	----	----					
21	----	----	----	----	----	----	----	----	----					
22	----	----	----	----	----	----	----	----	----		.98			
23	----	----	----	----	----	----	----	----	----					
24	----	----	----	----	----	----	----	----	----					
25	----	----	----	----	----	----	----	----	----					
26	----	----	----	----	----	----	----	----	----					
27	----	----	----	----	----	----	----	----	----		.31			
28	----	----	----	----	----	----	----	----	----					
29	----	----	----	----	----	----	----	----	----		.16			
30	----	----	----	----	----	----	----	----	----					
31	----	----	----	----	----	----	----	----	----			----		
SUM	----	----	----	----	----	----	----	----	----	0.00	1.73	0.00		
ACC	----	----	----	----	----	----	----	----	----	0.00	1.73	1.73		
MAX	----	----	----	----	----	----	----	----	----	0.00	0.98	0.00		
NO.	----	----	----	----	----	----	----	----	----	0	5	0		
												Maximum Daily Rainfall	0.98	
													Maximum Monthly Rainfall	1.73
													Partial Annual Rainfall	1.73
													Number of Days with Rain	5

Notes:

Partial annual rainfall in millimeters: 44
 Station 5115 installed 07/11/2000.

Total down-time: 0 days