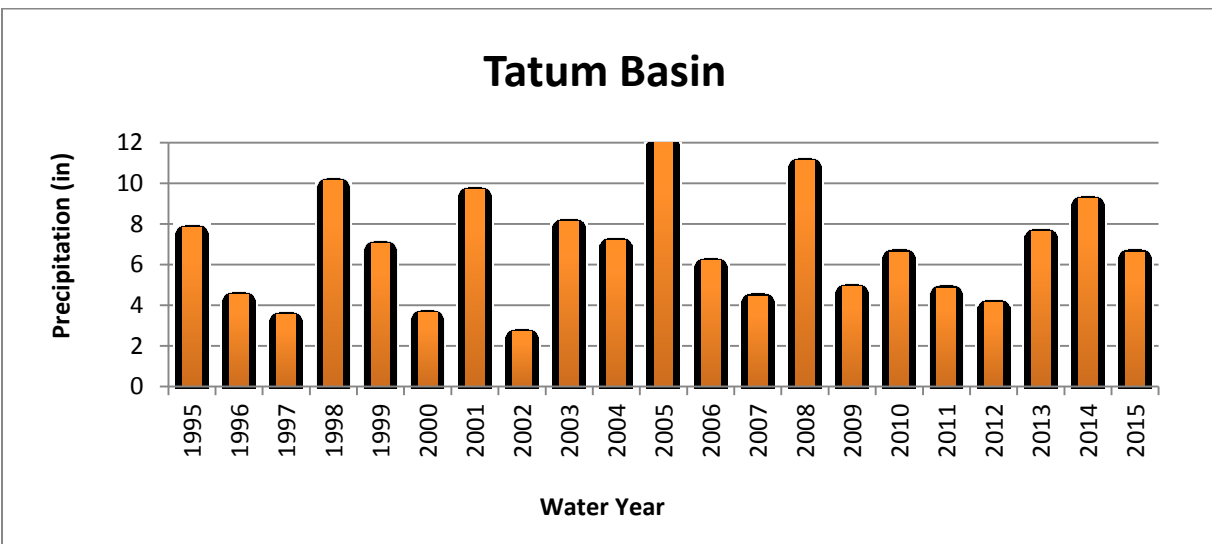




## Station Name: Tatum Basin

<b>Station ID Number History:</b>	4635 since 06/03/94
<b>Station Type:</b>	Rain / Stage
<b>Data Begins:</b>	06/03/1994
<b>Years Since Installation:</b>	21.33 (as of 10/01/15)
<b>Data Repeater:</b>	Thompson Peak
<b>County:</b>	Maricopa
<b>Latitude:</b>	33° 34' 54.1" (33.5817)
<b>Longitude:</b>	111° 59' 04.4" (111.98456)
<b>Elevation:</b>	1,405 ft. msl
<b>Location:</b>	Near Shea Blvd. and 40th St.
<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:	26	
Number of storms greater than 2 inches in 24 hours:	3	
Number of storms greater than 3 inches in 24 hours:	1	
		Approx. Tr
Greatest 15 minute total:	0.83" on 09/08/14	15 years
Greatest 1 hour total:	1.81" on 08/24/06	56 years
Greatest 3 hour total:	2.28" on 09/08/14	71 years
Greatest 6 hour total:	2.95" on 09/08/14	186 years
Greatest 24 hour total:	3.15" on 09/08/14	42 years
Greatest 72 hour total:	3.43" on 09/08/14	25 years

**Water Year Totals: (Mean of Complete Water Years [21] = 6.78 inches)**

Water Year	Total	Water Year	Total	Water Year	Total
2020		2010	6.61	2000	3.62
2019		2009	4.92	1999	7.05
2018		2008	11.10	1998	10.12
2017		2007	4.45	1997	3.54
2016		2006	6.18	1996	4.53
2015	6.61	2005	12.17	1995	7.80
2014	9.25	2004	7.20	1994	M
2013	7.64	2003	8.11	1993	
2012	4.13	2002	2.72	1992	
2011	4.84	2001	9.69	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 Tatum Basin Inflow (gage # 4635) for Water Year 2015

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
1								----					
2						.31		----					
3						.12		----		.08			
4			.71					.39					
5									.20				
6													
7													
8	.08												
9													
10													
11				.04							.04		
12													
13			.35	.04								.08	
14												.91	
15								.71					
16													
17			.04										
18										.28			
19	.20					.35							
20													
21													
22													
23													
24													
25													
26							.28						
27													
28													
29				.12	----								
30				.51	----								
31		----	.16		----		----		----		.63	----	
SUM	0.28	0.00	1.26	0.71	0.00	0.79	0.28	1.10	0.20	0.35	0.67	0.98	
ACC	0.28	0.28	1.54	2.24	2.24	3.03	3.31	4.41	4.61	4.96	5.63	6.61	
MAX	0.20	0.00	0.71	0.51	0.00	0.35	0.28	0.71	0.20	0.28	0.63	0.91	
NO.	2	0	4	4	0	3	1	2	1	2	2	2	
												Maximum Daily Rainfall	0.91
												Maximum Monthly Rainfall	1.26
												Total Annual Rainfall	6.61
												Number of Days with Rain	23

Gage 4635 down from 4/30 18:17 (84) through 5/04 00:17 (84) due to transmitter failure; no rain fell.





**Flood Control District of Maricopa County ALERT System**  
**Daily Rainfall at Tatum Basin Inflow (gage # 4635) for Water Year 2012**

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3			.04									
4		.20								.04		
5		.24										
6												
7		.16										.28
8												
9												
10												.28
11										.04		.08
12			.35							.12		
13		.12	.59									
14			.04									
15												
16												
17											.04	
18			.04			.39						
19												
20												
21		.08									.35	
22											.08	
23											.43	
24												
25												
26												
27												
28										.08		
29										.08		
30					----							
31		----			----		----		----			----
SUM	0.00	0.79	1.06	0.00	0.00	0.39	0.00	0.00	0.00	0.35	0.91	0.63
ACC	0.00	0.79	1.85	1.85	1.85	2.24	2.24	2.24	2.24	2.60	3.50	4.13
MAX	0.00	0.24	0.59	0.00	0.00	0.39	0.00	0.00	0.00	0.12	0.43	0.28
NO.	0	5	5	0	0	1	0	0	0	5	4	3
							Maximum Daily Rainfall					0.59
							Maximum Monthly Rainfall					1.06
							Total Annual Rainfall					4.13
							Number of Days with Rain					28

## Flood Control District of Maricopa County ALERT System Daily Rainfall at Tatum Basin Inflow (gage # 4635) for Water Year 2011

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3											.04	
4	.39											
5												
6												
7												
8												
9							.24					
10												
11										.31		
12												
13											.04	
14												
15												
16			.24									
17												
18								.04				
19					.39							
20					.04							
21	.35	.04				.08						
22			.28									
23			.04									
24										.08		
25										.04		
26					.04							
27					.39							
28												
29			.71		----							
30			.16		----					.12		
31		----			----		----		----	.79		----
SUM	0.75	0.04	1.42	0.00	0.87	0.08	0.24	0.04	0.00	1.34	0.08	0.00
ACC	0.75	0.79	2.20	2.20	3.07	3.15	3.39	3.43	3.43	4.76	4.84	4.84
MAX	0.39	0.04	0.71	0.00	0.39	0.08	0.24	0.04	0.00	0.79	0.04	0.00
NO.	2	1	5	0	4	1	1	1	0	5	2	0

Annual Total (mm): 123

Days Down: 0





**Flood Control District of Maricopa County ALERT System**  
 Daily Rainfall at Tatum Basin Inflow (gage # 4635) for Water Year 2009

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
4												
5				.04								.12
6												
7												
8					.35							
9					.59							
10												
11							.55					
12												
13											.39	
14												
15			.04									
16			.47									
17			.08		.04							
18			.12									
19												
20										.12		
21								.08			.24	
22			.20	.12				.28				
23			.08									
24												
25			.20									
26		.16	.28									
27		.39										
28												
29					----							
30					----							
31		----			----		----		----			----
SUM	0.00	0.55	1.46	0.16	0.98	0.00	0.55	0.35	0.00	0.12	0.63	0.12
ACC	0.00	0.55	2.01	2.17	3.15	3.15	3.70	4.06	4.06	4.17	4.80	4.92
MAX	0.00	0.39	0.47	0.12	0.59	0.00	0.55	0.28	0.00	0.12	0.39	0.12
NO.	0	2	8	2	3	0	1	2	0	1	2	1
	Maximum Daily Rainfall											0.59
	Maximum Monthly Rainfall											1.46
	Total Annual Rainfall											4.92
	Number of Days with Rain											22

**Notes:**

Annual rainfall in millimeters: 125

Total down-time: 0.00 days

**Flood Control District of Maricopa County ALERT System**  
 Daily Rainfall at Tatum Basin Inflow (gage # 4635) for Water Year 2008

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1			.31									
2												
3										.24		
4	.08				.16							
5				.08								
6												
7			.43	.63							.67	
8			.16	----							.04	
9			.04									
10										.63		
11										.12		
12			.04									
13										.16		
14											.39	
15					.04							
16												
17												
18												
19												
20					.16					.16		
21												
22			.04		.04			.04				
23								.04				
24				.04				.04				
25				.04							1.34	
26											.39	
27				1.38								
28				.63							.59	
29												
30		1.97			----							
31		----			----		----		----			----
SUM	0.08	1.97	1.02	2.80	0.39	0.00	0.00	0.12	0.00	1.30	3.43	0.00
ACC	0.08	2.05	3.07	5.87	6.26	6.26	6.26	6.38	6.38	7.68	11.10	11.10
MAX	0.08	1.97	0.43	1.38	0.16	0.00	0.00	0.04	0.00	0.63	1.34	0.00
NO.	1	1	6	6	4	0	0	3	0	5	6	0
											Maximum Daily Rainfall	1.97
											Maximum Monthly Rainfall	3.43
											<b>Estimated</b> Annual Rainfall	11.10
											Number of Days with Rain	32

**Notes:**

Annual rainfall in millimeters: 282  
 Gage 4635 down from 1/06 21:35 (80) through 1/09 07:16 (?) due to plugged funnel; rainfall for the event on the 7th was **estimated** from radar and nearby gages.

Total down-time: 2.40 days

**Flood Control District of Maricopa County ALERT System**  
**Daily Rainfall at Tatum Basin Inflow (gage # 4635) for Water Year 2007**

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3												
4												
5											.04	
6	.04											
7												
8												
9												
10												
11					.04							
12							.04					
13							.08					
14	.24											
15												
16												.12
17												
18												
19				.20	.43							
20				.04								
21				.12			.12					
22			.24			.59						.04
23						.04						
24						.04				.04		
25											.08	
26												
27			.04									
28			.12									
29			.04		----							
30				.04	----					.71		
31		----		.16	----		----		----	.79		----
SUM	0.28	0.00	0.43	0.55	0.47	0.67	0.24	0.00	0.00	1.54	0.12	0.16
ACC	0.28	0.28	0.71	1.26	1.73	2.40	2.64	2.64	2.64	4.17	4.29	4.45
MAX	0.24	0.00	0.24	0.20	0.43	0.59	0.12	0.00	0.00	0.79	0.08	0.12
NO.	2	0	4	5	2	3	3	0	0	3	2	2
	Maximum Daily Rainfall											0.79
	Maximum Monthly Rainfall											1.54
	Total Annual Rainfall											4.45
	Number of Days with Rain											26

**Notes:**

Annual rainfall in millimeters: 113

Total down-time: 0.00 days

**Flood Control District of Maricopa County ALERT System**  
**Daily Rainfall at Tatum Basin Rain (gage # 4635) for Water Year 2006**

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												.20
3												
4										.04		
5										.04		
6												
7												.20
8												
9												
10												
11						1.42						
12						.04					.24	
13												
14												.12
15												
16												
17	.16											
18	.16											
19						.20						
20												
21											.04	
22												
23												
24											2.05	
25										.94		
26										.24		
27												
28												
29						----						
30						----				.12		
31		----				----	----		----			----
SUM	0.31	0.00	0.00	0.00	0.00	1.65	0.00	0.00	0.00	1.38	2.32	0.51
ACC	0.31	0.31	0.31	0.31	0.31	1.97	1.97	1.97	1.97	3.35	5.67	6.18
MAX	0.16	0.00	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.94	2.05	0.20
NO.	2	0	0	0	0	3	0	0	0	5	3	3
											Maximum Daily Rainfall	2.05
											Maximum Monthly Rainfall	2.32
											Total Annual Rainfall	6.18
											Number of Days with Rain	16

**Notes:**

Annual rainfall in millimeters: 15

Total down-time: 0.00 days

**Flood Control District of Maricopa County ALERT System**  
Daily Rainfall at Tatum Basin Rain (gage # 4635) for Water Year 2005

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2											1.69	
3				.79							.24	
4			.28	.51								
5			.20			.16						
6			.28		.04	.04						
7		.20										
8		.04									.08	
9											.08	
10					.08							
11				.12	1.10							
12					.39							
13												
14												
15					.04							
16												
17					.20							
18					.24							
19					.87							
20		.04			.24							
21	.43				.35							
22		.28										
23					.08		.28			.04		
24				.12	.12	.08						
25						.12						
26				.51								
27				.04								
28	.51		.04									
29			.94	.12	-----							
30			.04		-----							
31		-----			-----		-----		-----	.16		-----
SUM	0.94	0.55	1.77	2.20	3.74	0.39	0.28	0.00	0.00	0.20	2.09	0.00
ACC	0.94	1.50	3.27	5.47	9.21	9.61	9.88	9.88	9.88	10.08	12.17	12.17
MAX	0.51	0.28	0.94	0.79	1.10	0.16	0.28	0.00	0.00	0.16	1.69	0.00
NO.	2	4	6	7	12	4	1	0	0	2	4	0
											Maximum Daily Rainfall	1.69
											Maximum Monthly Rainfall	3.74
											Total Annual Rainfall	12.17
											Number of Days with Rain	42

**Notes:**

Annual rainfall in millimeters: 309

Total down-time: 0.00 days

# Flood Control District of Maricopa County ALERT System

## Daily Rainfall at Tatum Basin (gage # 4635) for Water Year 2004

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2							1.46					
3												
4						.79						
5						.39						
6												
7							.04					
8												
9												
10	.47											
11			.08									
12		1.06	.04									
13		.04				.04				.51		
14										.16		
15												
16												
17												
18												.08
19												.12
20												
21				.04								
22				.31								
23				.04	1.06							
24			.08									
25				.12								
26			.08							.16		
27					.04							
28												
29												
30					-----							
31		-----			-----		-----		-----			-----
SUM	0.47	1.10	0.28	0.51	1.10	1.22	1.50	0.00	0.00	0.83	0.00	0.20
ACC	0.47	1.57	1.85	2.36	3.46	4.69	6.18	6.18	6.18	7.01	7.01	7.20
MAX	0.47	1.06	0.08	0.31	1.06	0.79	1.46	0.00	0.00	0.51	0.00	0.12
NO.	1	2	4	4	2	3	2	0	0	3	0	2
	Maximum Daily Rainfall											1.46
	Maximum Monthly Rainfall											1.50
	Total Annual Rainfall											7.20
	Number of Days with Rain											23

**Notes:**

Annual rainfall in millimeters: 183

Total down-time: 0.00 days









**Flood Control District of Maricopa County ALERT System**  
**Daily Rainfall at Tatum Basin Rain (gage # 4635) for Water Year 2000**

DAY	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1												
2												
3											.04	
4												
5						.67					.12	
6						1.26						
7						.24				.08	.20	
8											.28	
9												
10												
11					----							
12					----							
13					----							
14												
15												
16												
17											.51	
18												
19												
20									.16			
21												
22												
23												
24												
25												
26												
27												
28						.04						
29												
30					----					.04		
31		----			----		----		----			----
SUM	0.00	0.00	0.00	0.00	0.00	2.20	0.00	0.00	0.16	0.12	1.14	0.00
ACC	0.00	0.00	0.00	0.00	0.00	2.20	2.20	2.20	2.36	2.48	3.62	3.62
MAX	0.00	0.00	0.00	0.00	0.00	1.26	0.00	0.00	0.16	0.08	0.51	0.00
NO.	0	0	0	0	0	4	0	0	1	2	5	0
											Maximum Daily Rainfall	1.26
											Maximum Monthly Rainfall	2.20
											Total Annual Rainfall	3.62
											Number of Days with Rain	12

**Notes:**

Annual rainfall in millimeters: 92 Total down-time: 4.0 days  
 Gage 4635 down from 2/10 20:23 (0) through 2/14 20:23 (0) due to repeater failure, no rain fell.





**Flood Control District of Maricopa County ALERT System**  
**Daily Rainfall at Tatum Basin (gage # 4635) for Water Year 1997**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2							.04					
3							.16				.20	
4												
5												
6												.08
7												
8											.16	
9												
10												
11												.75
12												.35
13				.51								
14	.24			.04								
15												
16												
17											.04	
18												
19												
20												
21												
22		.04										
23												
24												
25												.04
26	.08			.08							.04	
27					.47							
28					.08							
29		.04										
30											.08	
31											.04	

SUM	0.31	0.08	0.00	0.63	0.55	0.00	0.20	0.00	0.00	0.00	0.55	1.22
ACC	0.31	0.39	0.39	1.02	1.57	1.57	1.77	1.77	1.77	1.77	2.32	3.54
MAX	0.24	0.04	0.00	0.51	0.47	0.00	0.16	0.00	0.00	0.00	0.20	0.75
NO.	2	2	0	3	2	0	2	0	0	0	6	4

Maximum Daily Rainfall 0.75  
Maximum Monthly Rainfall 1.22  
Total Annual Rainfall 3.54  
Number of Days with Rain 21

**Notes:**

Annual rainfall in millimeters: 90      Total down-time: 3.0 days  
Gage down from 8/5/97 00:19 (50) through 8/8/97 00:19 (50) for unknown reason; no rain fell.

**Flood Control District of Maricopa County ALERT System**  
**Daily Rainfall at Tatum Basin (gage # 4635) for Water Year 1996**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		.79			.87							
2												.12
3												
4												
5		.20										
6		.12								.08		
7												
8												
9										.16		
10												
11												.12
12												
13						.08						.04
14						.28						
15										.08		
16										.20		
17												
18											.16	
19												
20												
21												
22				.04								
23												
24												
25					.28					.47		
26					.08							
27												
28												
29											.20	
30											.04	
31				.16								
SUM	0.00	1.10	0.00	0.20	1.22	0.35	0.00	0.00	0.00	0.98	0.39	0.28
ACC	0.00	1.10	1.10	1.30	2.52	2.87	2.87	2.87	2.87	3.86	4.25	4.53
MAX	0.00	0.79	0.00	0.16	0.87	0.28	0.00	0.00	0.00	0.47	0.20	0.12
NO.	0	3	0	2	3	2	0	0	0	5	3	3
							Maximum Daily Rainfall					0.87
							Maximum Monthly Rainfall					1.22
							Total Annual Rainfall					4.53
							Number of Days with Rain					21

**Notes:**  
Annual Rainfall in mm: 115  
Gage down from 1/06 13:15 (28) through 1/09 01:16 (28) for unknown reason; no rain fell.



**Flood Control District of Maricopa County ALERT System**  
**Daily Rainfall at Tatum Basin (gage # 4635) for Water Year 1994**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1													
2												0.43	
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13												0.20	
14													
15													
16													
17													
18													
19													
20													
21												0.24	
22													
23													
24													
25													
26													
27													
28										0.20			
29													
30													
31													
SUM									0.00	0.20	0.00	0.87	
ACC									0.00	0.20	0.20	1.06	
MAX									0.00	0.20	0.00	0.43	
NO.									0	1	0	3	
												Maximum Daily Rainfall	0.43
												Maximum Monthly Rainfall	0.87
												<b>Partial</b> Annual Rainfall	1.06
												Number of Days with Rain	4

**Notes:**

Partial annual rainfall in mm: 27  
 Gage installed 6/03/94.