HOURLY PRECIPITATION DATA

ARIZONA

DECEMBER 1997

With Annual Supplement

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and Information Service

National
Climatic Data Center
Asheville, North Carolina

ARIZONA

DAILY PRECIPITATION TOTALS

DECEMBER 1997

GAGE	STATION	TOTAL	DAY OF MONTH																															
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
F	AJO	1.5 I	.2I					.1	.1	.1											.4		.5	.1									
U	ALAMO DAM	1.90						.21	.20														.05	1.44									
F	ASH FORK 3	.60E						.1	.1	.1													.1	.2								I	m
F	BISBEE 1 WNW	6.3 P		.6				.5	.6	.3	.2										1.1		.2	1.8	.2Z	.6		.2	P	-	-	-	-
F	BLACK RIVER PUMPS	.3 I		.3	I	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
F	CASA GRANDE NATL MONUMEN	.4 P	.3	.1		P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
F	COCHISE 4 SSE	2.6	* a	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2.6A
F	CROWN KING	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
F	DUNCAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T	FLAGSTAFF AP	1.59	T	T				.11	.41	.38	T	T	T								T	T	.29	.40	T	T	T	T					
F	MAYER # 2	3.2					.1	.2	.5	.5												.1	.7	1.1									
F	MONTEZUMA CASTLE N M	2.20E	.3	.2I	m	m	m	m	I	.1												.3	.4	.8	.1								
F	NOGALES 6 N	2.3 R	.5	.1					.3R	.1R											.2R			.9R		.1R		.1R					
F	ORACLE 2 SE	4.1	.2	.1				.1	1.6	1.1	.1												.1	.6			.2						
U	PAINTED ROCK DAM	1.53						.35		.04											.58		* a	.56									
																								A									
F	PAYSON	3.1 P	P					.1	1.1	.4												.3	.1	.6	.1	.4							
F	PETRIFIED FOREST N P	.0 P	P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T	PHOENIX AIRPORT	.69	.05					.03	.19	.02											.06	T	.17	.17									
F	SANTA RITA EXP RANGE	.6 P	.2	.4P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
F	SEDONA RANGER STN	2.0						.2	.6	.1	.1												.3	.2	.5								
F	SIERRA ANCHA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
F	SUNFLOWER 3 NNW	4.5	.1					.1	1.4	1.4											.1		.1	.8		.2	.3						
F	SUPERIOR 2 ENE	3.5	.1	.2				.1	.8	.8													.1	1.2		.2							
U	TEMPE SRP	1.20	.11	.01				.05	.36	.06											.09		.18	.34									
F	TRUXTON CANYON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T	TUCSON AP	2.74	.44	.36				.07	.56	.31											.06		.07	.60		.27							
F	TUWEEP	.8 I	I			.1			.1	.2	.1													.3									
F	VAIL	3.80E	.3	.7				.1	1.2	.6											.1	.1	.3	.1		.3			P	-	-	-	-
F	WALNUT CREEK	1.6 Z						.1	.2	.2													.1	.6	.4Z								
F	WHITERIVER 1 SW	2.0		.2				.2	.2	.3	.1										.3		.1	.5	.1								
T	WINSLOW AP	.22	T	T				T	.02	T											T		T	.18	.02	T							

ARIZONA

HOURLY PRECIPITATION

DECEMBER 1997

STATION	DATE	A. M. HOUR ENDING												P. M. HOUR ENDING												TOTAL
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
AJO	1								[i	m	i]										.1		.1			.2I
	6																								.1	.1
	7	.1																								.1
	8										.1															.1
	19								.1	.2					.1											.4
	21																						.3	.2		.5
	22	.1																								.1
ALAMO DAM	6															.04	.01		.03	.02			.01	.09	.01	.21
	7	.10			.03	.02	.01											.01			.02	.01				.20
	21																								.05	.05
	22	.10	.02		.08	.25	.10	.10	.30	.15	.02	.04	.05	.05	.02	.03	.02	.07						.04		1.44
ASH FORK 3	6																						.1			.1
	7																					.1				.1
	8								.1																	.1
	21																						.1			.1
	22												.1	.1												.2
	30																[i	m	m	m	m	m	m	m	m	I
	31	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m]	m
BISBEE 1 WNW	2					.1				.1			.1	.1	.1		.1									.6
	6																					.1	.2	.1	.1	.5
	7			.1			.3			.1			.1													.6
	8																					.1	.1	.1		.3
	9	.1			.1																					.2
	19																.4	.3		.2		.2				1.1
	21																								.2	.2
	22		.1	.4	.3	.4	.2			.2			.2													1.8
	23												.2Z													.2Z
	24																			.3	.1	.2				.6
	26										.1	.1														.2
	27			{ -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- }	-
BLACK RIVER PUMPS	2													.1	.1		.1									.3
	3													[m	m	m	m	m	m	m	m	m	m	m	m	I
	31	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m]	m
CASA GRANDE NATL MONUMEN	1																					.2	.1			.3
	2	.1																								.1
	4									{ q	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P
	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- }	-
COCHISE 4 SSE	1	* a	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	* a
	31	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2.6A	2.6A
CROWN KING	1	{ -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- }	-
DUNCAN	1	{ -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- }	-
FLAGSTAFF AP	1														T	T										T
	2					T									T	T	T		T	T	T	T				T
	6																T	.03	.05	.03	T	T	T		T	.11

HOURLY PRECIPITATION

STATION	DATE	A. M. HOUR ENDING												P. M. HOUR ENDING												TOTAL
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
	7	.02	.03	.07	.07	T	T					T	T		T			T		.03	.02	.02	.04	.05	.06	.41
	8	.04	.08	.04	.05		.05	.04	T	.02	.02			T	T		T	T		T		.02		.02		.38
	9	T	T	T	T																					T
	10												T	T	T				T	T	T	T	T	T	T	T
	11	T	T	T	T	T	T	T		T	T	T														T
	19																							T	T	T
	20		T																					T	T	T
	21			T		T			T		T	T	T	T	.02			T	T	.03	.05	.02		.08	.09	.29
	22	.04	T	T	.02	.05	.04	.05	.06	.05	.06	.03		T	T	T			T	T		T				.40
	23	T		T	T																					T
	24								T	T		T	T	T	T	T										T
	25						T	T				T	T	T	T			T	T	T	T					T
	26									T		T	T													T
MAYER # 2	5											.1														.1
	6																						.1		.1	.2
	7	.1	.1		.1																.1		.1			.5
	8			.1			.2	.1	.1																	.5
	20						.1																			.1
	21																			.1	.2	.1	.1		.2	.7
	22	.2	.1		.1	.1	.1			.1		.1	.1			.1								.1		1.1
MONTEZUMA CASTLE N M	1																						.1	.1	.1	.3
	2			.1								.1			[i	m	m	m	m	m	m	m	m	m	m	.2I
	7	m	m	m	m	m	m	m	m	m	m	m	m	m	i]											I
	8			.1																						.1
	20	.1			.1		.1																			.3
	21																			.1			.1	.2		.4
	22		.1	.1				.2				.1					.1		.1			.1				.8
	23	.1																								.1
NOGALES 6 N	1										.1	.1	.2		.1											.5
	2																.1									.1
	7			.1R		.1R						.1R														.3R
	8													.1R												.1R
	19														.1R	.1R										.2R
	22	.2R	.2R	.1R	.1R		.2R						.1R													.9R
	24																		.1R							.1R
	26														.1R											.1R
ORACLE 2 SE	1																.1							.1		.2
	2											.1														.1
	6																						.1			.1
	7		.1	.4	.1			.1			.1			.2	.1		.1	.1	.2	.1						1.6
	8												.1	.2	.2	.2	.2	.1	.1							1.1
	9												.1													.1
	21																								.1	.1
	22			.1	.2											.1	.1					.1				.6
	25												.1		.1											.2
PAINTED ROCK DAM	6	.25	.10																							.35
	8				.01	.02	.01																			.04
	19					.36	.03		.07	.12																.58
	21														.09		* a	*	*	*	*	*	*	*	*	* a
	22	*	*	*	*	*	*	.37 A					.01	.01	.02	.06										.56 A

HOURLY PRECIPITATION

STATION	DATE	A. M. HOUR ENDING												P. M. HOUR ENDING												TOTAL
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
PAYSON	1	{ -	-	-	-	-	-	-	-	-	-	-	- }													P
	6																								.1	.1
	7			.1		.2	.1	.1					.1					.1				.1		.2	.1	1.1
	8		.1				.1	.1	.1																	.4
	20							.1			.1							.1								.3
	21																								.1	.1
	22			.2		.1		.1			.1					.1										.6
	23						.1																			.1
	24												.1		.1		.2									.4
PETRIFIED FOREST N P	1												{ q	-	-	-	-	-	-	-	-	-	-	-	-	P
	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- }	-
PHOENIX AIRPORT	1				T	T			T					T	T	T	T	T	T	T				.02	.03	.05
	6																T	T	T		.03					.03
	7		.04		.11			T														T			.04	.19
	8							T		.02		T														.02
	19													T	.06	T										.06
	20	T																								T
	21																T	T		T	.02	T	.03	.08	.04	.17
	22	.07	.05	.05								T	T		T			T	T							.17
SANTA RITA EXP RANGE	1												.1	.1												.2
	2								.4R	{ q	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.4P
	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- }	-
SEDONA RANGER STN	6																			.1	.1					.2
	7	.1	.1	.1							.1									.1		.1				.6
	8	.1																								.1
	9											.1														.1
	21																				.1			.1	.1	.3
	22																.1				.1					.2
	23							.1				.1		.1	.1	.1										.5
SIERRA ANCHA	1	{ -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- }	-
SUNFLOWER 3 NNW	1																							.1		.1
	6																			.1						.1
	7		.1	.1	.2	.1	.3						.1			.1				.1	.1		.1		.1	1.4
	8	.1	.1	.2	.2	.3	.4	.1																		1.4
	19						.1																			.1
	21																							.1		.1
	22	.2			.1	.1	.1		.1					.1	.1											.8
	24								.1			.1														.2
	25													.1		.1		.1								.3
SUPERIOR 2 ENE	1																					.1				.1
	2	.1			.1																					.2
	6																						.1			.1
	7				.3		.1												.1						.3	.8
	8	.2								.1	.1	.2	.1		.1											.8
	21																								.1	.1
	22	.1	.1		.2	.2	.1	.1						.1	.1		.1			.1						1.2
	24											.1						.1								.2

HOURLY PRECIPITATION

STATION	DATE	A. M. HOUR ENDING												P. M. HOUR ENDING												TOTAL
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
TEMPE SRP	1																						.02	.05	.04	.11
	2	.01																								.01
	6																				.05					.05
	7		.05		.18	.04																	.02	.03	.04	.36
	8								.01	.05																.06
	19														.09											.09
	21																.01				.03		.01	.04	.09	.18
	22	.09	.05	.11	.02	.02										.05										.34
TRUXTON CANYON	1	{ -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- }	-
TUCSON AP	1							T					.03	.17	.04	.03				.03		.04	.03	.02	.05	.44
	2	.06	.04	.02		.02		T	.03	.03	T					.02		.04		T	.05	.05				.36
	6																		T		T		.04	.03		.07
	7	T	T	.24	T		.02	.05		.02		T	.03	.05	.02	.04	.07	T	.02	T	T					.56
	8													T	.12	.06	.05	.03	.02	.03		T	T			.31
	19													T	T	.03	.03									.06
	21																						.02		.05	.07
	22	.06	.26	.15	.13	T	T	T			T					T	T									.60
	24																.07	.02	T			.15	.03			.27
TUWEEP	1										[i	m	m	m	m	m	m	i]								I
	4													.1												.1
	7																							.1		.1
	8		.1		.1																					.2
	9											.1														.1
	22										.1		.1	.1												.3
VAIL	1																.1				.1		.1			.3
	2			.1	.1			.1		.1						.1	.1	.1								.7
	6																					.1				.1
	7			.1				.2		.1			.1	.2	.2		.1	.1	.1							1.2
	8											.1						.1	.2	.1	.1					.6
	19										.1															.1
	20							.1																		.1
	21																					.1	.1		.1	.3
	22									.1																.1
	24											.1		.1			.1									.3
	27																							{ q	-	P
	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- }	-
WALNUT CREEK	6																					.1				.1
	7					.1																	.1			.2
	8		.1		.1																					.2
	21																			.1						.1
	22												.1		.1	.1	.1		.1	.1						.6
	23				.1Z										.1Z	.1Z			.1Z							.4Z
WHITERIVER 1 SW	2			.1				.1																		.2
	6																				.1			.1		.2
	7						.1	.1																		.2
	8	.1									.2															.3
	9		.1																							.1
	19																			.1	.1			.1		.3

ARIZONA

HOURLY PRECIPITATION

DECEMBER 1997

STATION	DATE	A. M. HOUR ENDING												P. M. HOUR ENDING												TOTAL
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
	21										.1															.1
	22					.1		.1				.1			.1		.1									.5
	23																				.1					.1
WINSLOW AP	1																								T	T
	2	T						T												T	T		T	T		T
	6																			T	T	T			T	T
	7	T		T				.02	T							T										.02
	8		T						T	T																T
	19																					T	T			T
	21								T	T													T	T	T	T
	22				T	T		.02	.02	T	T	T	.04	.02			T			.02	.02			.02	.02	.18
	23	.02	T	T	T	T	T	T	T																	.02
	24												T	T												T

MONTHLY PRECIPITATION MAXIMA

ARIZONA DECEMBER 1997

STATION	MAXIMA FOR MEASUREMENT PERIODS OF				
	MINUTES			HOURS	
	15	30	45	1	2
AJO					
ALAMO DAM				.30 22/0800	.45 22/0900
ASH FORK 3					
BISBEE 1 WNW					
BLACK RIVER PUMPS					
CASA GRANDE NATL MONUMEN					
COCHISE 4 SSE					
CROWN KING					
DUNCAN					
FLAGSTAFF AP				.09 21/2400	.17 21/2400
MAYER # 2	.1 22/2230+	.2 21/2000	.2 22/0130+	.3 21/2030	.4 22/0130+
MONTEZUMA CASTLE N M					
NOGALES 6 N	.1 **R**26/1330+	.2 **R**22/0145+	.2 **R**22/0315+	.3 **R**22/0145+	.4 **R**22/0315+
ORACLE 2 SE	.2 07/1715	.3 07/1715	.3 07/1730+	.4 07/0315+	.6 07/0330+
PAINTED ROCK DAM				.36 19/0500	.39 19/0600
PAYSON					
PETRIFIED FOREST N P					
PHOENIX AIRPORT				.11 07/0400	.12 22/0200+
SANTA RITA EXP RANGE					
SEDONA RANGER STN	.1 23/1430+	.1 23/1445+	.2 21/2330	.2 21/2345+	.2 23/1515+
SIERRA ANCHA					
SUNFLOWER 3 NNW	.2 08/0500+	.3 08/0515	.4 08/0530	.5 08/0545	.7 08/0615+
SUPERIOR 2 ENE	.2 08/1100	.3 08/1115	.3 22/0415+	.3 22/0445+	.5 22/0530+
TEMPE SRP				.18 07/0400	.22 07/0500
TRUXTON CANYON					
TUCSON AP				.26 22/0200	.41 22/0300
TUWEEP					
VAIL					
WALNUT CREEK	.1 **Z**23/1715+	.1 23/1730+	.1 23/1745+	.1 23/1800+	.2 23/1515+
WHITERIVER 1 SW	.1 23/1945+	.1 23/2000+	.2 08/1000	.2 08/1015+	.2 19/2015+
WINSLOW AP				.04 22/1200	.06 22/1300

MONTHLY PRECIPITATION MAXIMA

ARIZONA DECEMBER 1997

STATION	MAXIMA FOR MEASUREMENT PERIODS OF HOURS				MAXIMUM ACCUMULATION
	3	6	12	24	
AJO					
ALAMO DAM	.55 22/0900	.98 22/0900	1.21 22/1200+	1.49 22/2300	
ASH FORK 3					
BISBEE 1 WNW					
BLACK RIVER PUMPS					
CASA GRANDE NATL MONUMEN					
COCHISE 4 SSE					2.60 01/0015->31/2400
CROWN KING					
DUNCAN					
FLAGSTAFF AP	.21 22/0100	.32 08/0400	.54 22/1000	.69 22/1300+	
MAYER # 2	.5 22/0200+	.9 22/0130	1.3 22/0645+	1.7 22/1845+	
MONTEZUMA CASTLE N M					
NOGALES 6 N	.6 **R**22/0315	.8 22/0615+	.9 22/1215+	.9 23/0015+	
ORACLE 2 SE	.7 08/1515	1.0 08/1815+	1.1 08/2315+	1.7 07/2130+	
PAINTED ROCK DAM	.39 19/0700+	.58 19/1000+	.58 19/1600+	.58 20/0400+	.37 21/1600->22/0700
PAYSON					
PETRIFIED FOREST N P					
PHOENIX AIRPORT	.19 22/0100	.32 22/0300	.34 22/0700+	.34 22/1900+	
SANTA RITA EXP RANGE					
SEDONA RANGER STN	.3 23/1500+	.4 23/1645+	.5 23/1800+	.7 23/1500+	
SIERRA ANCHA					
SUNFLOWER 3 NNW	.9 08/0600+	1.3 08/0730+	1.7 08/0700+	2.0 08/1130+	
SUPERIOR 2 ENE	.6 22/0630	.8 22/0645+	.9 22/1245+	1.3 22/2345+	
TEMPE SRP	.25 22/0300	.40 22/0400	.46 22/0700+	.52 22/1500	
TRUXTON CANYON					
TUCSON AP	.54 22/0400	.65 22/0500+	.67 22/0900+	.67 22/2100+	
TUWEEP					
VAIL					
WALNUT CREEK	.3 22/1730+	.5 22/1915+	.6 22/2330+	.7 23/1130+	
WHITERIVER 1 SW	.2 22/1600+	.3 22/1645+	.5 22/1600+	.5 23/0400+	
WINSLOW AP	.06 23/0100+	.08 23/0100+	.12 22/2300	.20 23/0600+	

MONTHLY PRECIPITATION TOTALS

ARIZONA — ANNUAL 1997

STATION	ANNUAL	MONTH											
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
AJO	m	.20	m	m	.80	.00	.00	.40	.30E	.80	m	.10	1.50
ALAMO DAM	8.17	1.79	.55	.00	.35	.00	.12	.02	1.45	1.90	.00	.09	1.90
ASH FORK 3	m	2.90E	.90E	m	1.40	.10	.30	.90	3.00	2.86E	.10	.50	.60E
BISBEE 1 WNW	m	m	m	m	m	m	m	1.20E	3.20	2.80	.80	1.40	m
BLACK RIVER PUMPS	m	2.90	2.20	m	m	m	m	m	2.00	1.20	.90	1.50	m
CASA GRANDE NATL MONUMEN	m	m	m	.20	m	.20E	.00	.36E	m	m	.10	.30	m
COCHISE 4 SSE	11.90	1.20	.90	.10	.40	.30	.20	1.60	2.90	.70	.40	.60	2.60
CROWN KING	m	m	m	m	m	.20	m	.20	m	m	m	m	m
DUNCAN	m	1.75E	.60	.80	.10	.90	.20	.84E	m	m	m	m	m
FLAGSTAFF AP	15.00	2.96	.88	.03	.50	.06	.16	.16	3.50	3.43	1.08	.65	1.59
MAYER # 2	m	3.10	1.20	.00	1.30	m	.20E	.10	2.70	3.10	1.00	.32E	3.20
MONTEZUMA CASTLE N M	m	1.90	1.20	.00E	2.00	1.01E	.33E	m	m	2.80	.60	.30	2.20E
NOGALES 6 N	m	1.00	.80	m	.60E	m	m	m	m	1.16E	.10	.90	2.30
ORACLE 2 SE	m	2.90	3.50	.92E	.40	1.40	m	1.83E	3.90	1.30	.60	1.40	4.10
PAINTED ROCK DAM	5.13	.47	.34	.00	.32	.09	.00	.00	.94	1.36	.00	.08	1.53
PAYSON	m	m	1.80E	.00	1.30	.50	.10	.50	2.20	1.90	1.40	1.30	m
PETRIFIED FOREST N P	m	.80	.20	.00	.10	.20	.00	1.00	1.29E	2.30	.50	.60	m
PHOENIX AIRPORT	4.07	.80	.53	.01	.24	.00	.00	.17	1.14	.41	.05	.03	.69
SANTA RITA EXP RANGE	m	m	m	.63E	.50	.90	.00	1.20	4.70	3.60	.30	1.10	m
SEDONA RANGER STN	m	m	m	.00	2.40	.20	m	.90	1.80	2.50E	1.00	.93E	2.00
SIERRA ANCHA	m	m	2.40E	.90	.90	m	m	m	m	m	m	m	m
SUNFLOWER 3 NNW	25.20	6.90	3.80	.10	1.30	.30	.10	.00	3.80	2.00	.90	1.50	4.50
SUPERIOR 2 ENE	m	m	m	.00	.80	.50	.00	.30	m	m	m	1.10	3.50
TEMPE SRP	m	.99	m	.00	.18	.07	.00	m	2.54E	.68	.07	.07	1.20
TRUXTON CANYON	m	1.80	1.00	.10	.30	.20	.30	m	.20	m	m	m	m
TUCSON AP	9.77	.81	.65	.02	.46	.42	.02	.46	1.99	1.38	.37	.45	2.74
TUWEEP	m	m	m	.00	1.00	.10	.30	m	1.70	3.00	m	.50	.80
VAIL	m	1.90	m	m	.38E	.20	.00	.40	3.30	1.10	.90	.30	3.80E
WALNUT CREEK	m	3.10E	1.05E	.00E	1.40E	m	m	.86E	2.00	3.30	.20	.30	1.60
WHITERIVER 1 SW	15.12E	2.00	1.80	1.64E	.58E	.70	.40	1.30	1.70	.50	1.20	1.30	2.00
WINSLOW AP	4.40	.88	.22	.00	.28	.56	.21	.12	.72	.78	.16	.25	.22

REFERENCE NOTES

Hourly Precipitation Data (HPD) are obtained from recording rain gages. The rain gage may be located at a National Weather Service, Federal Aviation Administration, or Cooperative Observer Station. HPD time resolution is 15 minutes or 1 hour. Published data are displayed at an hourly resolution. Precipitation values in this bulletin are in inches. Times are local standard.

Standard rain gage types:

F	Weighing gage	:	reported in inches to tenths
T	Tipping bucket	:	reported in inches to hundredths
U	Weighing gage	:	reported in inches to hundredths
N	Not specified		

HPD maxima cover 9 time periods from 15 minutes to 24 hours and do not necessarily end on whole hours. Stations that report hourly data only will not have maxima computed for periods less than 1 hour. If any data are missing, no maxima are computed. MAXIMUM ACCUMULATION is the largest accumulated precipitation amount from times with unknown data distribution during a month. Clock mechanisms sometimes stick or stop; some of the special symbols in the HPD section are used when such "signatures" are found in the data.

Information contained in the station name:

// Rain gage equipped with a wind shield.

Inactive station. Symbol found by station name in the Station Index.

$ Experimental rain gage or unusual measurement procedure which may have some effect on HPD.
Common types are:

$1 rain gage with a heated orifice
$2 rain gage with an automatic siphon
$3 rain gage with a remote orifice and funnel

8 SW or other numbers and letters following the name, indicate the distance in miles, and the direction, from the nearest post office.

Special symbols in the HPD:

a Begin accumulation sometime within the hour period or day period.

A End accumulation during the day or hour. Will follow the distribution amount.

* Temporal distribution unknown. First HPD value that follows is the total accumulated amount.

E Estimated monthly total by spatial modelling.

i Incomplete hourly total. One (1) or more 15 minute periods are missing.

I Incomplete daily or incomplete monthly total. One (1) or more periods are missing.

P Daily or monthly total excludes highly suspect data value(s).

q Hourly total excludes one (1) or more questionable 15 minute periods.

Q Questionable 15 minute data. Seen in Maxima tables.

R Time of occurrence is suspect. Amount is included in daily total.

T Trace amounts are included only for Federally funded meteorological observing sites.

X Value greater than 9.99 - refer to Hourly Precipitation Section for daily total.

Z Probable melting frozen precipitation included in total.

[Begin missing period during the hour (inclusive) or day.

] End missing period during the hour (inclusive) or day.

{ Begin delete period during the hour (inclusive) or day.

} End delete period during the hour (inclusive) or day.

m Data missing for part or all of the period.

- Data deleted for part or all of the period.

+ Duplicate maxima for same time period; latest is shown.

NOTE: Missing (m) flag in the MONTHLY PRECIPITATION TOTALS page can represent missing and/or deleted data for part or all of period.

NOTE: Only the first and last rows of long groups of missing (m), deleted (-), and accumulated (*) data are shown.

NOTE: The special symbols in the HPD appear as a suffix to type "F" values, or directly below type "T" and type "U" gage values.

NOTE: TIPPING BUCKET precipitation gages become increasingly inaccurate with increasing rainfall intensities. TIPPING BUCKET gages also may NOT correctly report the amount or time distribution during frozen or freezing precipitation events (i.e. snow, hail, sleet, or freezing rain).

NOTE: Users of data from this publication may notice that daily totals may differ from those listed in the CLIMATOLOGICAL DATA (CD) publication. There are two primary reasons for the differences. The first is because the precipitation values are measured by two different gage types. The second reason is that the totals may be measured at different times. Most manual measurements are made at or near 8 AM or 5 PM local time while the daily totals from the hourly precipitation gages are computed on a midnight (calendar day) basis.

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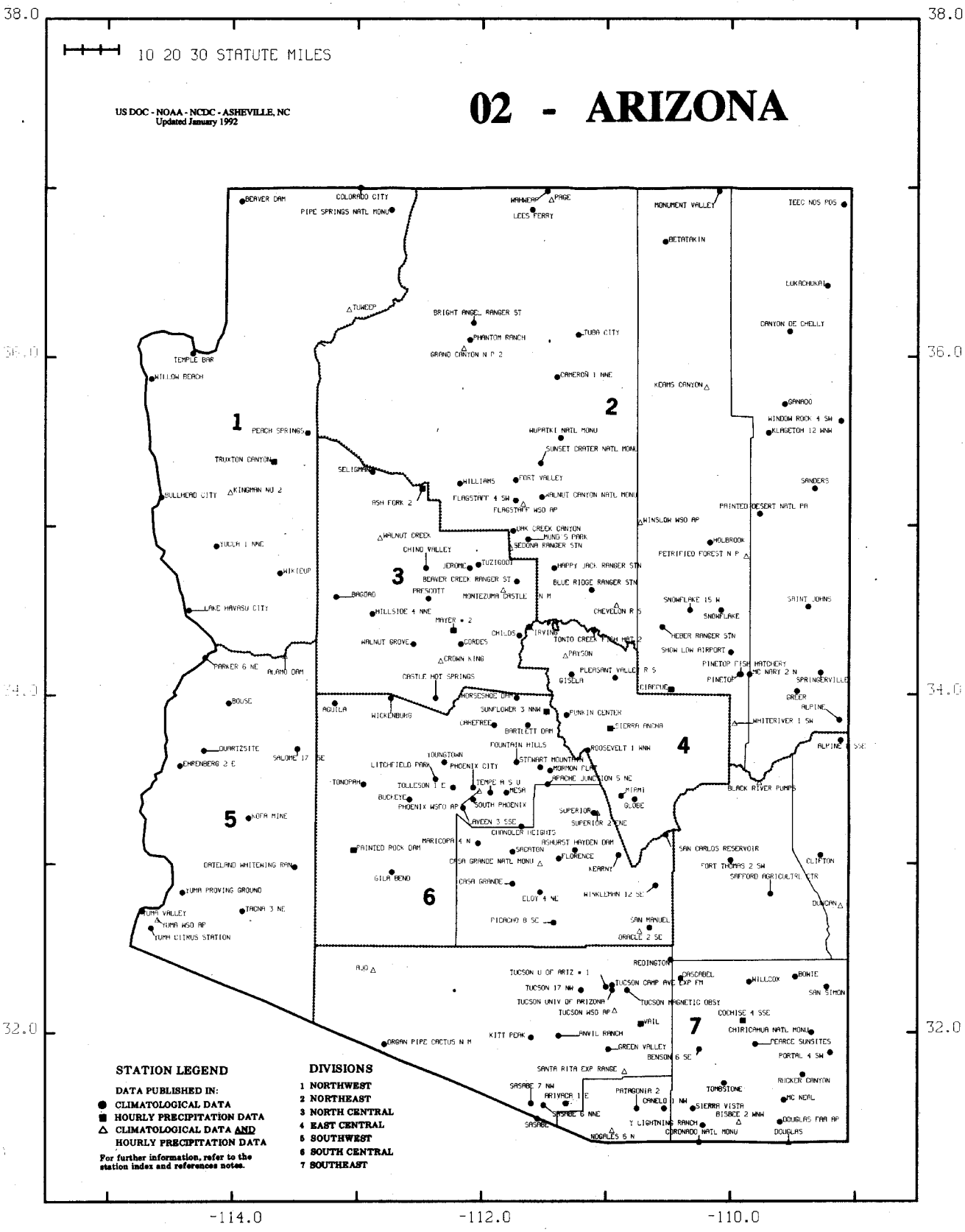
STATION INDEX

Station	Index No.	County	Drainage	Latitude	Longitude	Elevation Ft.	Years Of
AJO	0080	PIMA	4	32 22	112 52	1800	82
ALAMO DAM	0100	LA PAZ	13	34 14	113 35	1290	32
ASH FORK 3	0487	YAVAPAI	12	35 14	112 29	5144	54
BISBEE 1 WNW	0775	COCHISE		31 27	109 56	5560	8
BLACK RIVER PUMPS	0808	GRAHAM	7	33 29	109 46	6040	48
CASA GRANDE NATL MONUMEN	1314	PINAL	4	33 00	111 32	1419	72
COCHISE 4 SSE	1870	COCHISE	10	32 04	109 54	4180	72
CROWN KING	2329	YAVAPAI	1	34 13	112 21	5920	20
DUNCAN	2754	GREENLEE	4	32 45	109 07	3660	57
FLAGSTAFF AP //	3010	COCONINO	6	35 08	111 40	6993	102
MAYER # 2	5344	YAVAPAI	1	34 23	112 14	4339	11
MONTEZUMA CASTLE N M	5635	YAVAPAI	12	34 37	111 50	3179	57
NOGALES 6 N	5924	SANTA CRUZ	11	31 27	110 58	3560	14
ORACLE 2 SE	6119	PINAL	10	32 36	110 44	4510	86
PAINTED ROCK DAM	6194	MARICOPA	4	33 05	113 02	550	37
PAYSON	6323	GILA	7	34 14	111 20	4913	48
PETRIFIED FOREST N P	6468	NAVAJO	6	34 48	109 53	5444	62
PHOENIX AIRPORT	6481	MARICOPA	7	33 26	111 59	1107	59
SANTA RITA EXP RANGE	7593	PIMA	11	31 46	110 51	4300	74
SEDONA RANGER STN	7708	COCONINO	12	34 52	111 46	4220	53
SIERRA ANCHA	7876	GILA	7	33 48	110 58	5100	21
SUNFLOWER 3 NNW	8273	MARICOPA	12	33 55	111 29	3720	45
SUPERIOR 2 ENE	8349	PINAL	4	33 18	111 04	4155	22
TEMPE SRP	8495	MARICOPA		33 27	111 57	1200	2
TRUXTON CANYON	8778	MOHAVE	2	35 23	113 40	3820	26
TUCSON AP	8820	PIMA	11	32 08	110 57	2555	60
TUWEEP	8895	MOHAVE	2	36 17	113 04	4775	50
VAIL	8995	PIMA	11	32 03	110 43	3230	20
WALNUT CREEK	9158	YAVAPAI	12	34 56	112 49	5090	44
WHITERIVER 1 SW	9271	NAVAJO	7	33 49	109 59	5120	56
WINSLOW AP //	9439	NAVAJO	6	35 02	110 43	4890	84

Station	Index No.	County	Drainage	Latitude	Longitude	Elevation Ft.	Years Of


10 20 30 STATUTE MILES
US DOC - NOAA - NCDC - ASHEVILLE, NC
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02 - ARIZONA
38.0
36.0
34.0
32.0
-114.0
-112.0
-110.0
1
2
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4
5
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7
BEAVER DAM
COLORADO CITY
PIPE SPRINGS NATL MONU
WAHWEAP
PAGE
LEES FERRY
MONUMENT VALLEY
TEEC NOS POS
BETATAKIN
LUKACHUKAI
TUWEEP
BRIGHT ANGEL RANGER ST
PHANTOM RANCH
TUBA CITY
GRAND CANYON N P 2
CAMERON 1 NNE
KEAMS CANYON
CANYON DE CHELLY
TEMPLE BAR
WILLOW BEACH
GANADO
WINDOW ROCK 4 SW
KLAGETOH 12 WNW
PEACH SPRINGS
WUPATKI NATL MONU
SUNSET CRATER NATL MONU
TRUXTON CANYON
SELIGMAN
WILLIAMS
FORT VALLEY
SANDERS
BULLHEAD CITY
KINGMAN NO 2
ASH FORK 2
FLAGSTAFF 4 SW
WALNUT CANYON NATL MONU
FLAGSTAFF WSO AP
PRINTED DESERT NATL PA
WINSLOW WSO AP
OAK CREEK CANYON
WALNUT CREEK
MUND S PARK
SEDONA RANGER STN
HOLBROOK
TUCUM 1 NNE
CHINO VALLEY
PETRIFIED FOREST N P
JEROME
TUZIGOOT
HAPPY JACK RANGER STN
WIKIEUP
BEAVER CREEK RANGER ST
BLUE RIDGE RANGER STN
PRESCOTT
BAGDAD
MONTEZUMA CASTLE N M
SNOWFLAKE 15 W
SAINT JOHNS
LAKE HAVASU CITY
HILLSIDE 4 NNE
CHEVELON R S
SNOWFLAKE
MAYER 2
CHINO
IRVINE
TONTO CREEK FISH HAT 2
HEBER RANGER STN
WALNUT GROVE
CORDES
PRESCOTT
SHOW LOW AIRPORT
CROWN KING
PARKER 6 NE
ALAMO DAM
PINETOP FISH HATCHERY
CASTLE HOT SPRINGS
PLEASANT VALLEY R S
GISELA
PINETOP
NO NAME 2 N
SPRINGERVILLE
CLAYTON
GREER
BOUSE
HORSESHOE DAM
AGUILA
WICKENBURG
SUNFLOWER 3 NNW
PUNKIN CENTER
ALPINE
WHITERIVER 1 SW
LAKEREE
BARTLETT DAM
SIERRA ANCHA
QUARTZSITE
FOUNTAIN HILLS
ROOSEVELT 1 WNW
ALPINE 1 SSE
SALOME 17 SE
YOUNGTOWN
STEWART MOUNTAIN
EHRENBERG 2 E
LITCHFIELD PARK
PHOENIX CITY
MORMON FLAT
APACHE JUNCTION 5 NE
TONOPAH
TOLLESON 1 E
TEMPE R S U
MESA
MIAMI
BLACK RIVER PUMPS
BUCKEYE
GLOBE
PHOENIX WSFO AP
SOUTH PHOENIX
KOFA MINE
SUPERIOR
SUPERIOR 2 ENE
AVEN 3 SSE
CHANDLER HEIGHTS
MARICOPA 4 N
ASHURST HAYDEN DAM
SAN CARLOS RESERVOIR
PRINTED ROCK DAM
SACATON
FLORENCE
CLIFTON
ORIELAND WHITENING RAN
CASA GRANDE NATL MONU
KEARNY
FORT THOMAS 2 SW
GILA BEND
SAFFORD AGRICULTRL CTR
CASA GRANDE
YUMA PROVING GROUND
ELOY 4 NE
WINKELMAN 12 SE
DUNCAN
TACNA 3 NE
YUMA VALLEY
PICACHO 8 SE
SAN MANUEL
YUMA WSO AP
ORACLE 2 SE
YUMA CITRUS STATION
AJO
REDINGTON
TUCSON U OF ARIZ 1
CASCABEL
WILLCOX
BOWIE
TUCSON 17 NW
TUCSON CAMP AVE EXP FM
SAN SIMON
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TUCSON MAGNETIC OBSY
TUCSON WSO AP
COCHISE 4 SSE
VAIL
CHIRICAHUA NATL MONU
KITT PEAK
ANVIL RANCH
PEARCE SUNSITES
ORGAN PIPE CACTUS N M
GREEN VALLEY
PORTAL 4 SW
BENSON 6 SE
SANTA RITA EXP RANGE
RICKER CANYON
SASABE 7 NW
PATAGONIA 2
TOMBSTONE
ARIVACA 1 E
CANELO 1 NW
MC NEAL
SIERRA VISTA
SASABE 6 NNE
BISBEE 2 WNW
SASABE
Y LIGHTNING RANCH
DOUGLAS FAA AP
CORONADO NATL MONU
NOGALES 6 N
DOUGLAS
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CLIMATOLOGICAL DATA
HOURLY PRECIPITATION DATA
CLIMATOLOGICAL DATA AND HOURLY PRECIPITATION DATA
For further information, refer to the station index and references notes.
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2 NORTHEAST
3 NORTH CENTRAL
4 EAST CENTRAL
5 SOUTHWEST
6 SOUTH CENTRAL
7 SOUTHEAST

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