



Wickenburg Weather Station


MARICOPA
COUNTY
FLOOD CONTROL DISTRICT

Annual Hydrologic Data Report
Volume III: Weather Statistics
Water Year 2023

Preface

This publication presents meteorological data collected by the Flood Control District of Maricopa County (FCDMC) automated ALERT system. Forty telemetered weather stations are included in this report. Thirty-five of the stations are located within Maricopa County, three in Yavapai County, and two in Pinal County.

The weather data contained in this report were collected, compiled, and edited by the FCDMC Flood Warning Branch. The information contained herein is as accurate and complete as possible within the limitations of real-time data collection technology currently available. Wherever possible, footnotes indicating periods of questionable and/or missing data have been added to the appropriate weather summaries. Although every possible means has been taken to provide accurate data, the liability for using this data falls upon the user and not the FCDMC.

This report is Volume 3 of a 3-volume suite entitled "Annual Hydrologic Data Report – Water Year 2023". Volumes 1 & 2 in order are [1] Precipitation Report; and [2] Surface Water and Streamflow Report. Additional copies of this report, and copies of the companion volumes, may be purchased from:

**Flood Control District of Maricopa County
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Phoenix, AZ 85009-6399
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or can be downloaded from our Web Page at:

<http://www.maricopa.gov/759/Publications>

Table of Contents

Preface	2
Introduction	5
Figure 1: General Map of ALERT Weather Station Locations as of 09/30/2023	6
New Installations in Water Year 2023.....	7
Station Changes in Water Year 2023	8
Table 1: ALERT System Weather Stations Water Year 2023	9
Table 2: ALERT Weather Stations Sensor ID Matrix WY 2023.....	10
Table 3: Temperature Summary Water Year 2023	11
Figure 2: Map of Maximum Temperatures Water Year 2023	12
Figure 3: Map of Minimum Temperatures Water Year 2023	13
Table 4: Daily Temperature Tallies Water Year 2023	14
Table 5: Temperature Statistics for Water Years 2007-2023.....	15
Brief Summary of Water Year 2023	18
Table 6: ALERT Network Temperature Statistics Water Year 2023.....	19
Meteorological Data: Monthly Weather Summaries	20
Aguila VFD Weather Station	20
Bartlett Lake Weather Station	23
Belmont Mountains Weather Station	26
Buckeye FRS #1 Weather Station	29
Camelback at Loop 303 Weather Station.....	32
Carefree Ranch Weather Station	35
City of Glendale Weather Station.....	38
Crossroads Park Weather Station	41
Desert Mountain School Weather Station	44
Durango Complex Weather Station.....	47
EMF @ Arizona Ave Weather Station.....	50
Estrella Fan Weather Station	53
Fountain Hills Fire Station Weather Station	56
G & F Woolsey Peak Weather Station	59
Gateway Community College Weather Station.....	62
Gila Bend Landfill Weather Station	65
Gila Bend Mountains Weather Station	68
Horseshoe Lake Weather Station	71
Horsethief Basin Weather Station	74
Humboldt Mountain Weather Station	77
Jefferson Park Weather Station	80
Jomax Rd @ 70 th St Weather Station	83
Kleinman Park Weather Station	86
Lake Pleasant Weather Station	89
Lake Pleasant North Weather Station.....	92
Magma FRS Weather Station	95
McMicken Dam Weather Station	98
Mobile Weather Station	101

Mount Union Weather Station	104
Osborn at 64 th St Weather Station	107
Phoenix Dam 2B Weather Station.....	110
Rackensack Canyon Weather Station	113
Saguaro Lake Weather Station.....	116
South Mountain Fan Weather Station	119
South Mountain Park Weather Station.....	122
Sycamore Creek Upper Weather Station.....	125
Thompson Peak Weather Station	128
Tiger Wash Fan Weather Station	131
Usery Mountain Park Weather Station.....	134
Wickenburg Airport Weather Station	137

All sections and weather station summaries are linked within the document.

Introduction

This publication is part of a three-volume report containing hydrologic and meteorological data collected by the Flood Control District of Maricopa County during Water Year 2023. This report is Volume III and contains weather station statistics. On-line users of this document have additional resources available by selecting hyperlinks. Weather Station names will link to the FCDMC web page for that weather station. Other hyperlinks will link within the document.

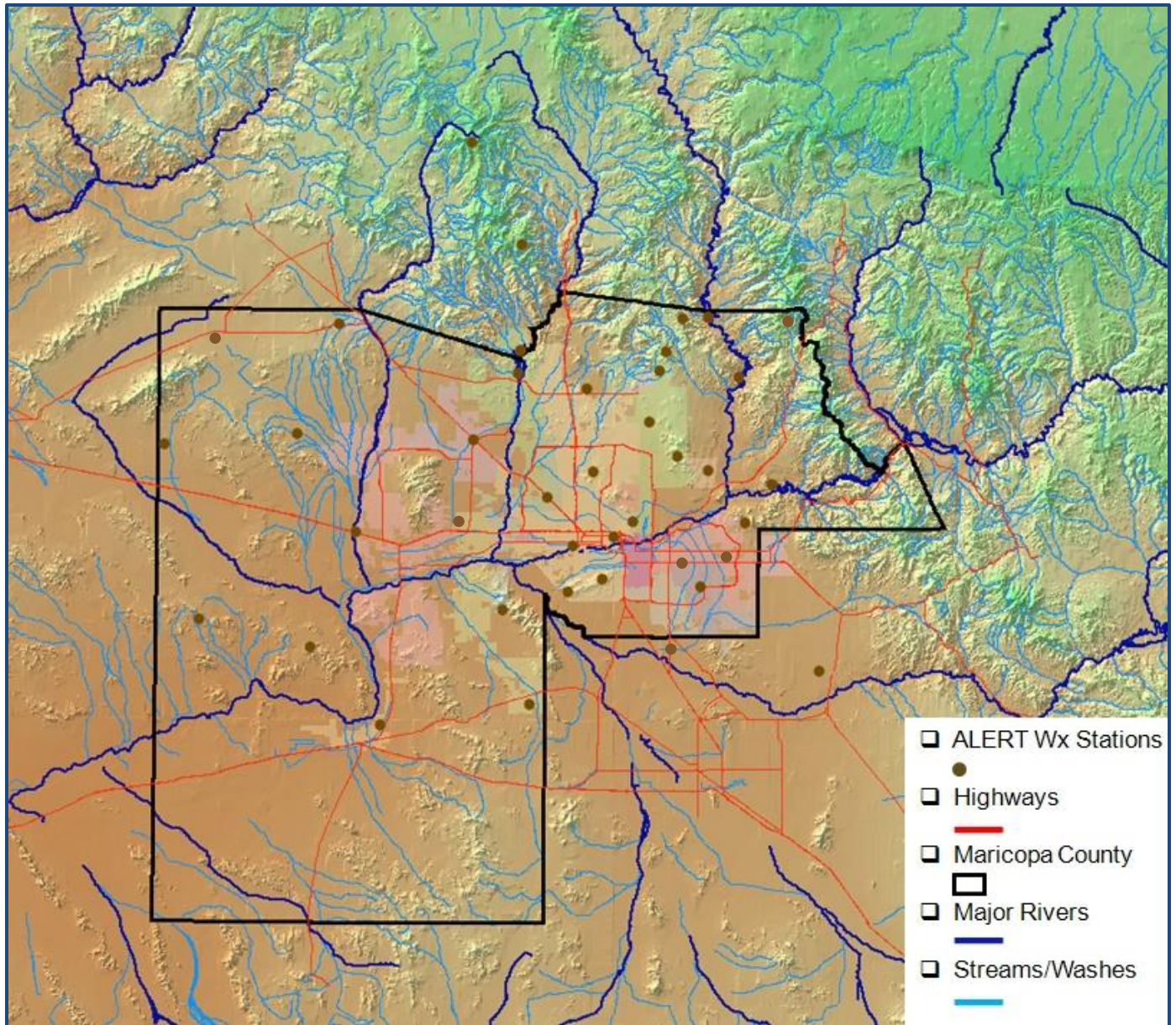
All weather stations report temperature and relative humidity; many also report a combination of wind direction, wind speed, barometric pressure, and solar radiation. In addition, dewpoint temperature is calculated every 15 minutes at all weather stations using the temperature and relative humidity data. The temperature, relative humidity, and wind sensors transmit data every 15 minutes; the barometric pressure and solar radiation sensors every 30 minutes.

The following paragraphs describe the arrangement, collection, and compilation of the monthly weather station data contained in this report:

- Weather station data presented in the monthly weather summaries are based on the “2023 Water Year” which began on Oct. 1st, 2022, and ended Sept. 30th, 2023. Each monthly summary represents one weather station and lists daily weather station statistics by sensor. The monthly summaries are arranged chronologically and by station name.
- An index of ALERT System weather stations, code names, locations, and installation dates are located on [page viii](#). This is followed by a sensor id number matrix listing the available sensors at each weather station. Both indexes are sorted by station name in alphabetical order. Station names are hyper-linked to additional weather station information and climate summaries (where available).
- The monthly weather summaries contain daily maximum, minimum, and mean values for temperature and dewpoint. The monthly summaries also contain daily maximum and minimum values for relative humidity and barometric pressure. Finally, the monthly summaries contain daily maximum peak wind and solar radiation values. All of the ALERT system weather stations record precipitation; however, that data is located in the [FCDMC Hydrologic Data Report Volume I](#).
- The unit of measurement for daily maximum, minimum, and mean temperature data is in degrees Fahrenheit (°F). The daily maximum, minimum, and mean dewpoint data are also in degrees Fahrenheit (°F). The daily maximum and minimum relative humidity data are in percent (%). The daily maximum peak wind data are in miles per hour (mph). The daily maximum and minimum barometric pressure are in millibars (mb). The daily maximum solar radiation data are in watts per square meter (w/m²).
- All data presented in the weather summaries are rounded to the nearest whole value. Additional and/or more detailed sensor data in hard copy or electronic copy are available for the weather station sensors listed in this report. Contact the FCDMC, Flood Warning Branch at (602) 506-8701. Data can also be downloaded from our web site at <http://www.maricopa.gov/3769/Weather-Sensor-Data>.

Comments or discovered errors in regard to this report should be sent to the Flood Warning Branch via email at FloodInfo@maricopa.gov or sent directly to Daniel Henz at daniel.henz@maricopa.gov

Figure 1: General Map of ALERT Weather Station Locations as of 09/30/2023



New Installations in Water Year 2023

There were no new weather stations installed during Water Year 2023.

Station Changes in Water Year 2023

There were no weather stations moved in Water Year 2023.

Table 1: ALERT System Weather Stations Water Year 2023

Station Name	Data Begins	T-R-S	Latitude	Longitude	Elev. (ft.)	Location
Aguila VFD	03/26/15	7N-9W-22	33 56 27.4	113 10 19.8	2170	Located behind Aguila Volunteer Fire Department in field
Bartlett Lake *	08/31/00	6N-7E-28	33 50 20.2	111 38 11.7	1825	Bartlett Lake Sheriff Sub-station
Belmont Mountains *	03/20/07	4N-6W-30	33 39 26.7	112 54 41.3	1865	4.8 mi. SW of the intersection of Aguila and Wickenburg Roads
Buckeye FRS #1 *	03/01/97	1N-5W-03	33 27 21.8	112 44 53.6	1075	West end of Buckeye FRS #1, I-10 @ Hassayampa River
Camelback @ Loop 303	01/22/15	2N-2W-22	33 30 30.8	112 25 11.4	1065	Northwest corner of Camelback Rd and Loop 303
Carefree Ranch *	11/02/87	6N-5E-20	33 51 08.3	111 51 49.1	2980	3.5 mi. NE of Sky Ranch Airport
City of Glendale *	12/19/95	2N-2E-06	33 32 37.0	112 11 36.8	1140	Grand Avenue at 63rd Avenue
Crossroads Park *	12/18/95	1S-6E-21	33 19 39.7	111 44 47.9	1265	1/2 mi. NW of Ray Rd. and Greenfield Rd.
Desert Mtn. School *	07/19/06	5N-3E-05	33 48 33.6	112 04 37.8	1810	1/4 mile SE of Cloud Road and 7th Ave.
Durango Complex *	10/31/91	1N-2E-14	33 25 37.0	112 07 11.3	1045	27th Ave. and Durango St.
EMF@ Arizona Ave	06/06/12	3S-5E-15	33 10 09.6	111 50 33.3	1215	Arizona Ave/Hwy 587 at EMF
Estrella Fan *	12/02/92	2S-1W-12	33 16 10.1	112 19 15.3	1450	Alignments of El Mirage Rd. and Germann Rd.
Fountain Hills *	07/23/97	3N-6E-15	33 36 40.0	111 43 30.6	1675	At Palisades Blvd. Fire Station, nr xsecn with Fntn. Hills Blvd.
G&F Woolsey Peak *	06/25/03	3S-6W-09	33 10 23.7	112 52 50.5	2005	8 miles southwest of Gillespie Dam
Gateway C. College *	09/10/04	1N-3E-12	33 27 03.7	111 59 44.0	1140	40th St. at Van Buren
Gila Bend Landfill *	01/17/02	5S-4W-16	32 59 21.5	112 40 30.5	735	3 mi. North of the intersection of US 80 and I-8
Gila Bend Mountains *	06/01/88	2S-9W-17	33 14 29.0	113 12 18.1	1575	16 mi. NW of Painted Rock Dam off Agua Caliente Rd.
Horseshoe Lake *	09/06/00	7N-6E-09	33 59 08.4	111 43 15.5	2065	Horseshoe Lake – SW Corner near Boat Ramp
Horsethief Basin *	03/28/88	9N-1E-33	34 09 44.6	112 16 14.1	6710	At HB Recreation Area, 6 mi. SE of Crown King
Humboldt Mtn. *	06/13/96	7N-5E-01	33 58 50.7	111 47 52.6	5205	13 mi. NE of the Town of Cave Creek
Jefferson Park	12/21/16	1N-7E-19	33 24 29.5	111 40 47.9	1395	SW side of Jefferson Park, just N of Broadway Rd
Jomax @ 70th *	06/26/97	5N-4E-36	33 43 37.1	111 53 49.5	2010	1/8 mi. W of 70 th St on Jomax Rd.
Kleinman Park	12/21/16	1N-5E-28	33 24 02.2	111 51 06.8	1215	SW side of Kleinman Park, just N of 8 th Ave.
Lake Pleasant *	11/13/08	6N-1E-20	33 50 49.9	112 16 41.7	1825	South end of Lake Pleasant
Lake Pleasant North *	04/24/01	7N-1E-33	33 54 16.8	112 16 15.0	1755	On Deer Island, north end of Lake Pleasant
Magma FRS *	12/19/95	4S-9E-35	33 07 06.5	111 24 16.6	1625	7 mi. NNW of Florence
McMicken Dam *	06/02/04	4N-2W-24	33 40 37.2	112 25 24.3	1355	N. end of the dam, 1/4 mi SE of Deer Valley Rd and Cotton Ln
Mobile *	04/04/08	4S-1E-34	33 02 18.4	112 14 38.7	1340	2 miles SE of Mobile
Mt. Union *	12/11/87	12N-2W-01	34 24 54.3	112 24 17.2	7975	Top of Mt. Union, 10 mi. SSE of Prescott
Osborn @ 64th St. *	01/16/98	2N-4E-27	33 29 06.4	111 56 33.5	1250	200 yards east of Osborn Rd. @ 64th St.
Phoenix Dam 2B *	06/29/09	3N-3E-16	33 36 23.8	112 03 28.4	1415	Near Thunderbird and 7th St.
Rackensack Canyon *	11/28/07	7N-5E-33	33 54 09.4	111 50 43.0	4445	8 miles NE of Cave Creek
Saguaro Lake *	01/24/00	2N-8E-27	33 34 30.7	111 32 15.1	1540	MCSO yard, NW corner of the Lake
South Mountain Fan *	06/09/93	1S-2E-26	33 18 54.7	112 08 01.3	1285	Alignments of Ray Rd. and 35th Ave. in S. Mtn. Park
South Mountain Park *	12/15/87	1S-3E-15	33 20 39.8	112 01 58.9	2355	Alignments of Elliot Rd. and 24th St.
Sycamore Creek Upper	06/26/13	8N-9E-31	33 59 15.4	111 27 51.5	5820	Approx 8-10mi NNW of Hwy 87 and FR 626 turn off
Thompson Peak *	12/19/95	4N-5E-35	33 38 32.7	111 48 33.2	3485	Near Thompson Peak, 120th St. and Bell Rd. alignments
Tiger Wash Fan *	09/21/94	4N-10W-20	33 40 12.8	113 18 50.0	1615	1 mi. W of Eagle Eye Rd. and 4 mi. N of Salome Highway
Usery Park WS *	02/24/94	2N-7E-27	33 28 54.1	111 36 57.4	2065	1/4 mi. WNW of the Crismon Rd. and Thomas Rd. alignments
Wickenburg Airport *	08/03/94	7N-5W-08	33 57 53.5	112 48 14.4	2380	4.5 mi. West of the US 60 / US 93 junction

* Stations include climate summary

Table 2: ALERT Weather Stations Sensor ID Matrix WY 2023

Station Name	Code	Peak Wind	Wind Spd.	Wind Dir.	Rel. Humidity	Temperature	Dewpoint	Solar Rad.	Baro. Pressure
Aguila VFD	AFD	28306	28304	28305	28302	28301	28316	----	----
Bartlett Lake *	BTL	82706	82704	82705	82702	82701	82716	82711	82703
Belmont Mountains *	BEL	46306	46304	46305	46302	46301	46316	46311	----
Buckeye FRS #1 *	BF1	44006	44004	44005	44002	44001	44016	----	44003
Camelback @ Loop 303	CRC	87506	87504	87505	87502	87501	87516	----	----
Carefree Ranch *	CFR	21006	21004	21005	21002	21001	21016	21011	----
City of Glendale *	GLN	6506	6504	6505	6502	6501	6516	6511	6503
Crossroads Park *	XRD	33006	33004	33005	33002	33001	33016	33011	33003
Desert Mtn. School *	DMS	18706	18704	18705	18702	18701	18716	18711	18703
Durango Complex *	DGO	3306	3304	3305	3302	3301	3316	3311	3303
EMF@ Arizona Ave	EAA	35206	35204	35205	35202	35201	35216	35211	----
Estrella Fan *	EST	84206	84204	84205	84202	84201	84216	84211	84203
Fountain Hills *	FHF	----	----	----	76702	76701	76716	----	----
G&F Woolsey Peak *	GWP	----	----	----	23202	23201	23216	----	----
Gateway C. College *	GCC	3006	3004	3005	3002	3001	3016	----	3003
Gila Bend Landfill *	GBL	42506	42504	42505	42502	42501	42516	42511	----
Gila Bend Mountains *	GBM	41506	41504	41505	41502	41501	41516	41511	41503
Horseshoe Lake *	HSL	82506	82504	82505	82502	82501	82516	82511	82503
Horsethief Basin *	HOR	16006	16004	16005	16002	16001	16016	16011	16003
Humboldt Mtn. *	HUM	----	----	----	1202	1201	1216	----	----
Jefferson Park	JNP	34906	34904	34905	34902	34901	34916	----	----
Jomax @ 70th *	JMX	60806	60804	60805	60802	60801	60816	60811	60803
Kleinman Park	KNP	30806	30804	30805	30802	30801	30816	----	----
Lake Pleasant *	LPL	15006	15004	15005	15002	15001	15016	----	15003
Lake Pleasant North	LPN	15306	15304	15305	15302	15301	15316	15311	15303
Magma FRS *	MAG	42306	42304	42305	42302	42301	42316	----	----
McMicken Dam *	MKN	71706	71704	71705	71702	71701	71716	71711	71703
Mobile *	MBL	84706	84704	84705	84702	84701	84716	----	84703
Mt. Union *	UNN	----	----	----	1002	1001	1016	----	----
Osborn @ 64th St. *	O64	56006	56004	56005	56002	56001	56016	----	----
Phoenix Dam 2B *	P2B	9906	9904	9905	9902	9901	9916	9911	9903
Rackensack Canyon *	RKC	76506	76504	76505	76502	76501	76516	----	76503
Saguaro Lake *	SGL	63506	63504	63505	63502	63501	63516	63511	63503
South Mountain Fan *	SMF	70506	70504	70505	70502	70501	70516	70511	70503
South Mountain Park *	SMP	68506	68504	68505	68502	68501	68516	68511	68503
Sycamore Creek Upper	SYC	82206	82204	82205	82202	82201	82216	----	82203
Thompson Peak *	TMP	----	----	----	1902	1901	1916	----	----
Tiger Wash Fan *	TIG	26806	26804	26805	26802	26801	26816	26811	26803
Usery Park WS *	USR	80706	80704	80705	80702	80701	80716	80711	80703
Wickenburg Airport *	WBG	52806	52804	52805	52802	52801	52816	52811	52803

* Station includes Climate Summary

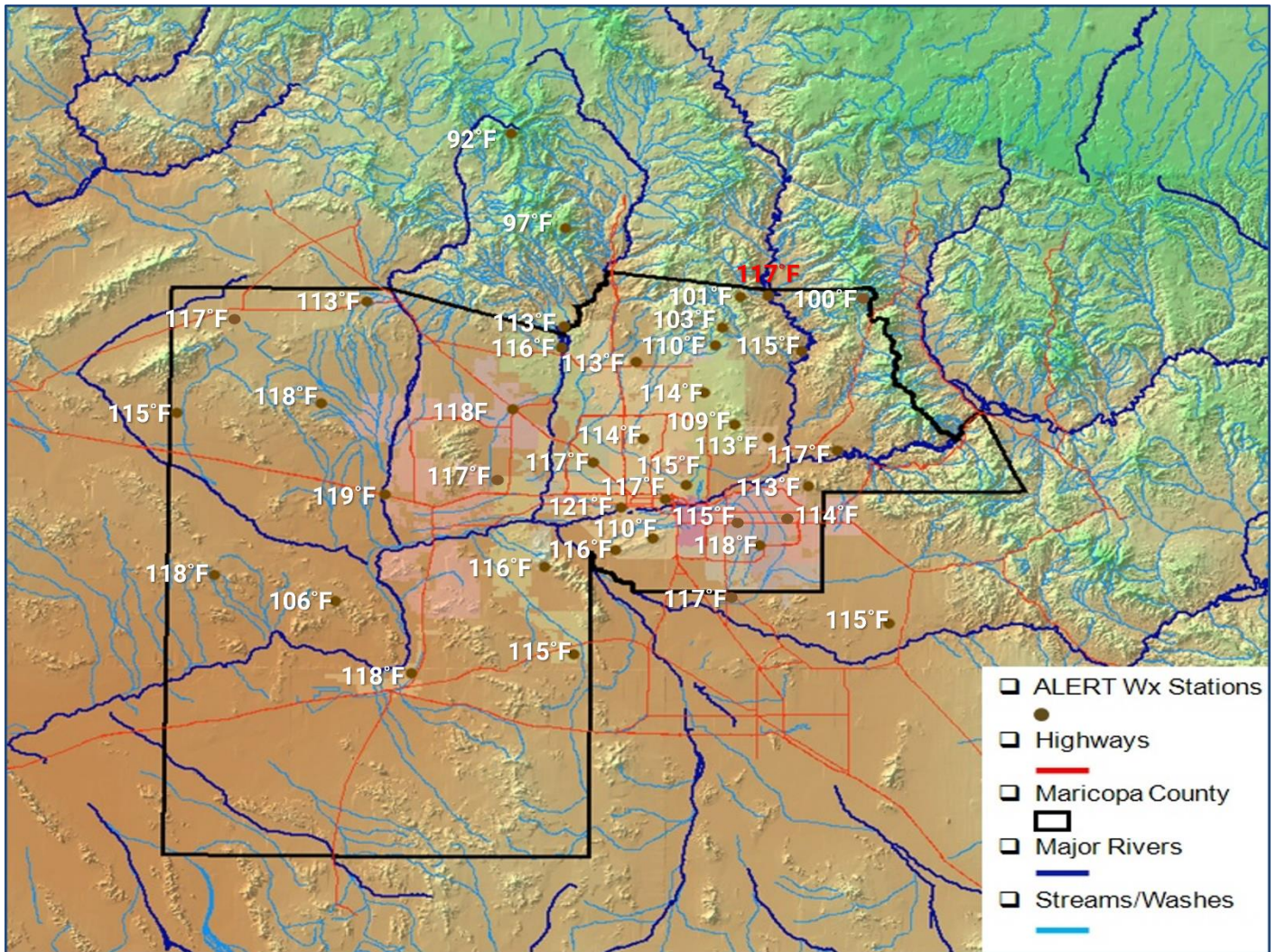
---- Sensor not installed at this station

Table 3: Temperature Summary Water Year 2023

Station Name	Sensor ID	Elev. (ft)	Max (°F)	Date	Min (°F)	Date	Avg Max (°F)	Avg Min (°F)	Mean (°F)
Aguila VFD	28301	2170	117	7/15/2023	25	12/19/2022	82.2	53.9	68.7
Bartlett Lake *	82701	1825	115	7/26/2023	31	1/24/2023	84.0	58.7	71.2
Belmont Mountains *	46301	1865	118	7/15/2023	31	1/24/2023	83.2	61.2	72.6
Buckeye FRS #1 *	44001	1075	119	7/15/2023	29	12/17/2022	85.5	58.3	72.4
Camelback @ Loop 303	87501	1065	117	7/20/2023	32	1/25/2023	84.8	60.3	73.1
Carefree Ranch *	21001	2980	110	7/15/2023	29	2/15/2023	78.5	58.0	68.7
City of Glendale *	6501	1140	117	7/20/2023	34	1/24/2023	86.2	63.1	75.0
Crossroads Park *	33001	1265	118	7/25/2023	29	12/17/2022	84.2	60.0	72.5
Desert Mtn. School *	18701	1810	113	7/26/2023	30	1/24/2023	82.8	57.0	70.8
Durango Complex *	3301	1045	121	7/20/2023	31	12/17/2022	84.1	61.6	73.1
EMF@ Arizona Ave	35201	1215	117	7/20/2023	30	12/17/2022	86.4	58.1	72.8
Estrella Fan *	84201	1450	116	7/20/2023	34	12/15/2022	85.6	63.3	75.1
Fountain Hills *	76701	1675	116	7/20/2023	29	1/24/2023	83.7	59.3	71.7
G&F Woolsey Peak *	23201	2005	106	7/20/2023	47	3/2/2023	82.3	70.6	76.3
Gateway C. College *	3001	1140	117	7/25/2023	36	12/17/2022	86.0	64.7	75.5
Gila Bend Landfill *	42501	735	118	7/20/2023	33	12/19/2022	87.4	59.8	73.9
Gila Bend Mountains *	41501	1575	118	7/15/2023	36	2/15/2023	84.8	64.5	74.6
Horseshoe Lake *	82501	2065	117	7/15/2023	29	12/14/2022	83.9	56.6	70.1
Horsethief Basin *	16001	6710	97	7/15/2023	26	12/13/2022	71.0	55.2	62.1
Humboldt Mtn. *	1201	5205	101	7/26/2023	24	2/16/2023	69.8	54.8	61.3
Jefferson Park	34901	1395	114	7/25/2023	30	1/24/2023	84.2	61.0	72.7
Jomax @ 70th *	60801	2010	114	7/19/2023	32	1/24/2023	83.1	60.0	71.5
Kleinman Park	30801	1215	115	7/25/2023	34	1/24/2023	85.3	62.6	74.0
Lake Pleasant *	15001	1825	116	7/26/2023	34	2/15/2023	83.8	63.8	73.4
Lake Pleasant North	15301	1755	113	7/20/2023	35	1/24/2023	82.2	62.5	72.0
Magma FRS *	42301	1625	115	7/19/2023	29	1/24/2023	84.3	58.0	71.5
McMicken Dam *	71701	1355	118	7/15/2023	29	1/24/2023	85.1	59.3	73.0
Mobile *	84701	1340	115	7/19/2023	33	2/26/2023	86.1	59.0	72.8
Mt. Union *	1001	7975	92	7/15/2023	15	12/14/2022	60.8	46.3	52.8
Osborn @ 64th St. *	56001	1250	115	7/20/2023	31	1/24/2023	84.1	59.1	71.9
Phoenix Dam 2B *	9901	1415	114	7/25/2023	32	12/17/2022	84.3	59.8	72.7
Rackensack Canyon *	76501	4445	103	7/15/2023	26	2/15/2023	71.5	57.6	64.4
Saguaro Lake *	63501	1540	117	7/26/2023	31	1/24/2023	84.9	59.1	71.9
South Mountain Fan *	70501	1285	116	7/19/2023	32	1/24/2023	84.8	62.7	74.0
South Mountain Park *	68501	2355	110	7/25/2023	37	1/24/2023	80.8	64.7	72.8
Sycamore Creek Upper	82201	5820	100	7/15/2023	19	2/15/2023	63.9	49.8	56.5
Thompson Peak *	1901	3485	109	7/22/2023	29	1/24/2023	79.7	62.6	70.6
Tiger Wash Fan *	26801	1615	115	7/15/2023	29	12/17/2022	81.7	56.3	69.4
Usery Park WS *	80701	2065	113	7/26/2023	30	1/24/2023	82.5	61.4	72.2
Wickenburg Airport *	52801	2380	113	7/26/2023	28	12/17/2022	80.3	53.8	67.9

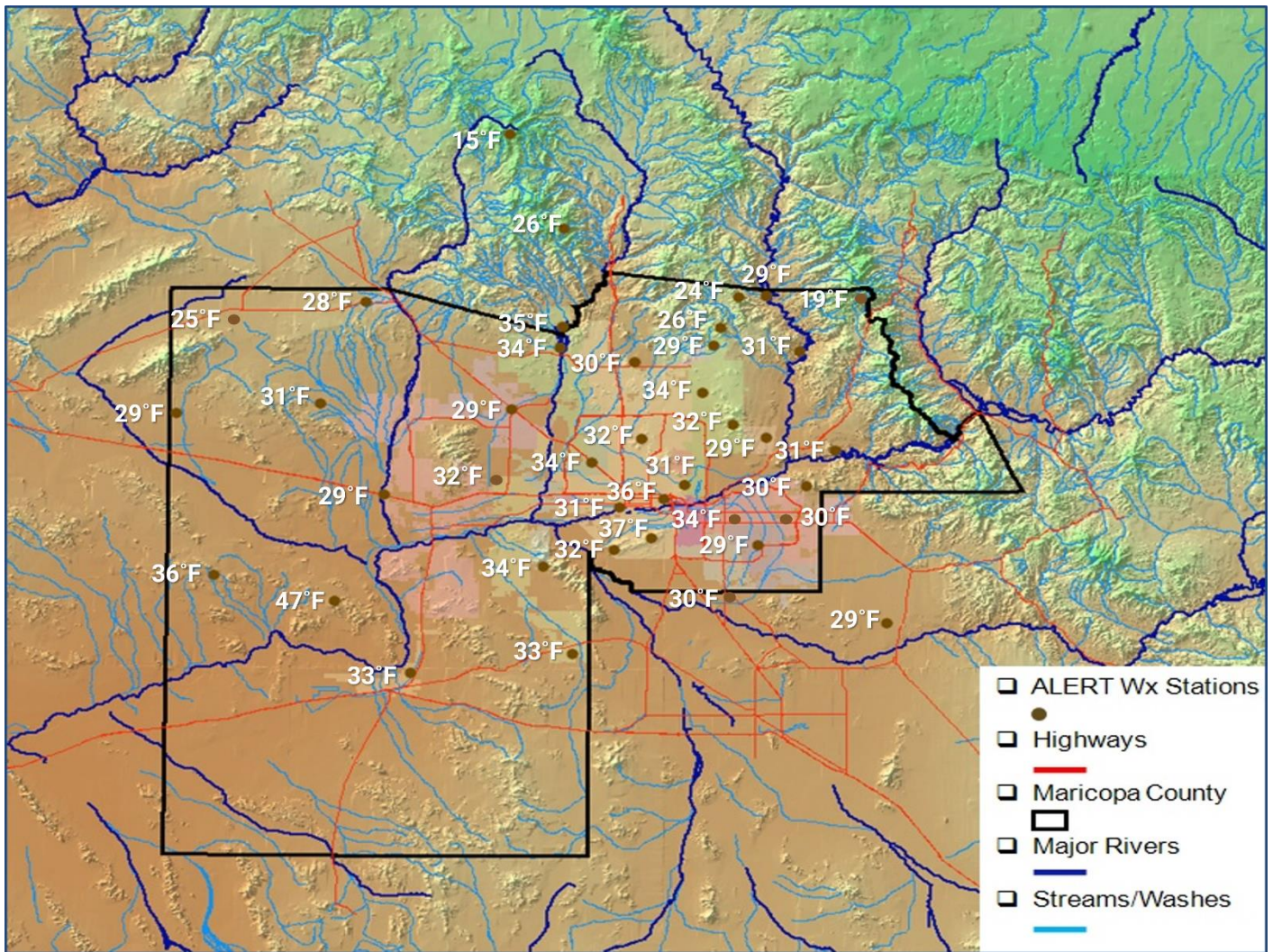
* Station includes Climate Summary

Figure 2: Map of Maximum Temperatures Water Year 2023



Values in **RED** represent a new or tied daily maximum temperature record.

Figure 3: Map of Minimum Temperatures Water Year 2023



Values in **BLUE** represent a new or tied daily minimum temperature record.

Table 4: Daily Temperature Tallies Water Year 2023

Station Name	Sensor ID	Elev. (ft)	# Days Max T ≥ 100°F	# Days Max T ≥ 110°F	# Days Min T ≤ 32°F
Aguila VFD	28301	2,170	81	26	23
Bartlett Lake *	82701	1,780	78	23	2
Belmont Mountains *	46301	1,860	89	32	1
Buckeye FRS #1 *	44001	1,075	98	38	5
Camelback @ Loop 303	87501	1,115	88	27	1
Carefree Ranch *	21001	2,960	49	1	7
City of Glendale *	6501	1,150	104	39	7
Crossroads Park *	33001	1,270	117	46	2
Desert Mtn. School *	18701	1,810	69	16	6
Durango Complex *	3301	1,050	92	44	2
EMF@ Arizona Ave	35201	1,215	110	40	7
Estrella Fan *	84201	1,455	96	35	0
Fountain Hills *	76701	1,665	89	33	3
G&F Woolsey Peak *	23201	1,985	49	0	0
Gateway C. College *	3001	1,145	106	37	0
Gila Bend Landfill *	42501	750	112	44	0
Gila Bend Mountains *	41501	1,560	100	36	0
Horseshoe Lake *	82501	2,085	84	26	8
Horsethief Basin *	16001	6,705	0	0	10
Humboldt Mtn. *	1201	5,205	4	0	23
Jefferson Park	34901	1,400	94	24	6
Jomax @ 70th *	60801	2,180	76	17	1
Kleinman Park	30801	1,220	94	30	0
Lake Pleasant *	15001	1,815	86	31	0
Lake Pleasant North	15301	1,750	68	9	0
Magma FRS *	42301	1,605	94	20	3
McMicken Dam *	71701	1,350	97	36	5
Mobile *	84701	1,340	92	29	0
Mt. Union *	1001	7,495	0	0	64
Osborn @ 64th St. *	56001	1,255	89	31	4
Phoenix Dam 2B *	9901	1,425	88	24	4
Rackensack Canyon *	76501	4,475	14	0	13
Saguaro Lake *	63501	1,550	93	38	3
South Mountain Fan *	70501	1,270	91	33	1
South Mountain Park *	68501	2,350	64	3	0
Sycamore Creek Upper	82201	5,825	1	0	41
Thompson Peak *	1901	3,995	64	0	6
Tiger Wash Fan *	26801	1,605	68	20	12
Usery Park WS *	80701	2,065	82	18	1
Wickenburg Airport *	52801	2,385	62	14	22

* Station includes Climate Summary

Table 5: Temperature Statistics for Water Years 2007-2023

Statistic	WY	Location	Value
Highest Daily Maximum Temperature	-2023	Durango Complex	121°F
	-2022	Buckeye FRS #1	116°F
	-2021	Crossroads Park, Phoenix Dam 2B	119°F
	-2020	Buckeye FRS #1	121°F
	-2019	South Mt. Fan, Buckeye FRS #1	117°F
	-2018	Gateway CC, South Mt. Fan	118°F
	-2017	Gila Bend Landfill	122°F
	-2016	Buckeye FRS #1, McMicken Dam	118°F
	-2015	Gila Bend Mtns.	120°F
	-2014	Gila Bend Landfill	121°F
	-2013	Belmont Mountains	118°F
	-2012	DGO, GCC, GBL, SMF	120°F
	-2011	Durango Complex, Gateway CC	120°F
	-2010	Gila Bend Landfill	118°F
	-2009	Estrella Fan, Osborn @64 th St.	117°F
	-2008	Buckeye FRS #1, McMicken Dam	116°F
	-2007	Tiger Wash Fan	118°F
Lowest Daily Minimum Temperature	-2023	Mt. Union	15°F
	-2022	Mt. Union	11°F
	-2021	Mt. Union	13°F
	-2020	Mt. Union	6°F
	-2019	Mt. Union	6°F
	-2018	Mt. Union	13°F
	-2017	Mt. Union	15°F
	-2016	Mt. Union	9°F
	-2015	Mt. Union	13°F
	-2014	Mt. Union	9°F
	-2013	Mt. Union	6°F
	-2012	Mt. Union	14°F
	-2011	Mt. Union	0°F
	-2010	Mt. Union	15°F
	-2009	Mt. Union	10°F
	-2008	Mt. Union	9°F
	-2007	Mt. Union	4°F
Highest Number of Days with Temperature ≥ 100°F	-2023	Crossroads Park	117
	-2022	Buckeye FRS #1	113
	-2021	Kleinman Park	127
	-2020	Gila Bend Landfill	140
	-2019	Gateway Community College	109
	-2018	Gila Bend Landfill	135
	-2017	Crossroads Park	123
	-2016	Osborn @ 64 th St	106
	-2015	Gila Bend Mtns	116
	-2014	Gila Bend Landfill	123
	-2013	Gila Bend Landfill	130
	-2012	Gila Bend Landfill	140
	-2011	Durango Complex	130
	-2010	Osborn @64 th St., Durango Complex	115
	-2009	Gila Bend Landfill	127
	-2008	Gila Bend Landfill	115
	-2007	Gateway CC	133
Highest Number of Days with Temperature ≥ 110°F	-2023	Crossroads Park	46
	-2022	Buckeye FRS #1	26
	-2021	Kleinman Park	35
	-2020	Buckeye FRS #1	67
	-2019	South Mountain Fan	40
	-2018	Gila Bend Landfill	28
	-2017	Gila Bend Landfill	58
	-2016	Buckeye FRS #1	38
	-2015	Gila Bend Mtns	37
	-2014	Gila Bend Landfill	50
	-2013	Gila Bend Landfill	68
	-2012	South Mtn Fan	43
	-2011	Durango Complex	58
	-2010	Durango Complex	44
	-2009	Osborn @64 th St.	37
	-2008	Tiger Wash Fan, Gila Bend Landfill	29
	-2007	Estrella Fan	49

Statistic	WY	Location	Value
Highest Number of Days with Temperature $\leq 32^{\circ}\text{F}$	-2023	Mt. Union	64
	-2022	Mt. Union	50
	-2021	Mt. Union	57
	-2020	Mt. Union	97
	-2019	Mt. Union	102
	-2018	Mt. Union	57
	-2017	Mt. Union	53
	-2016	Mt. Union	67
	-2015	Mt. Union	44
	-2014	Mt. Union	55
	-2013	Mt. Union	71
	-2012	Mt. Union	82
	-2011	Mt. Union	83
	-2010	Mt. Union	99
	-2009	Mt. Union	80
-2008	Mt. Union	99	
-2007	Mt. Union	80	
Highest Annual Average Maximum Temperature	-2023	Gila Bend Landfill	87.4°F
	-2022	Kleinman Park	89.5°F
	-2021	Crossroads Park	89.8°F
	-2020	South Mountain Fan	90.1°F
	-2019	Gateway Community College	86.8°F
	-2018	Gila Bend Landfill	91.0°F
	-2017	Gila Bend Landfill	90.1°F
	-2016	McMicken Dam	88.2°F
	-2015	McMicken Dam	89.6°F
	-2014	Gila Bend Landfill	91.0°F
	-2013	Gila Bend Landfill	91.4°F
	-2012	Gila Bend Landfill	90.2°F
	-2011	Durango Complex	89.4°F
-2010	Buckeye FRS #1	89.2°F	
-2009	Gila Bend Landfill	89.4°F	
-2008	Gila Bend Landfill	87.9°F	
-2007	Estella Fan	91.5°F	
Lowest Annual Average Minimum Temperature	-2023	Mt. Union	46.3°F
	-2022	Mt. Union	46.4°F
	-2021	Mt. Union	48.7°F
	-2020	Mt. Union	44.0°F
	-2019	Mt. Union	41.9°F
	-2018	Mt. Union	49.5°F
	-2017	Mt. Union	49.5°F
	-2016	Mt. Union	47.1°F
	-2015	Mt. Union	46.5°F
	-2014	Mt. Union	44.6°F
	-2013	Mt. Union	44.0°F
	-2012	Mt. Union	44.9°F
	-2011	Mt. Union	44.1°F
-2010	Mt. Union	43.4°F	
-2009	Mt. Union	44.9°F	
-2008	Mt. Union	41.3°F	
-2007	Mt. Union	44.7°F	
Average Annual Maximum Temperature for All Stations	-2023		81.7°F
	-2022		84.7°F
	-2021		84.5°F
	-2020		84.0°F
	-2019		80.9°F
	-2018		85.6°F
	-2017		83.1°F
	-2016		83.3°F
	-2015		84.8°F
	-2014		84.5°F
	-2013		84.8°F
	-2012		85.0°F
	-2011		83.8°F
-2010		82.5°F	
-2009		84.7°F	
-2008		82.6°F	
-2007		84.5°F	
Average Annual Minimum Temperature for All Stations	-2023		59.5°F
	-2022		61.7°F
	-2021		61.1°F
	-2020		60.9°F
	-2019		59.1°F
	-2018		62.8°F
	-2017		63.4°F
	-2016		60.4°F
	-2015		61.6°F
	-2014		60.1°F
	-2013		60.6°F
-2012		60.4°F	
-2011		59.5°F	

Statistic	WY	Location	Value
	- 2010		58.9°F
	- 2009		60.6°F
	- 2008		58.5°F
	- 2007		59.6°F
Average <u>Annual</u> Mean Temperature for All Stations	- 2023		70.7°F
	- 2022		73.3°F
	- 2021		72.9°F
	- 2020		72.5°F
	- 2019		70.1°F
	- 2018		74.2°F
	- 2017		73.3°F
	- 2016		71.9°F
	- 2015		72.8°F
	- 2014		72.2°F
	- 2013		72.8°F
	- 2012		72.7°F
	- 2011		71.5°F
	- 2010		70.5°F
	- 2009		72.8°F
	- 2008		70.5°F
- 2007		71.6°F	

Brief Summary of Water Year 2023

Similar to Water Year (WY) 2022, WY 2023 began at the conclusion of another abnormally wet monsoon across the ALERT network, which resulted in Monsoon 2022 being the 6th wettest dating back to 1982. During October 2022, an active Pacific storm track interacting with available moisture led to near seasonable mean temperatures and portions of western and central Maricopa County achieving wetter than normal precipitation. The Desert Southwest region trended cooler than seasonable and much drier during November 2022. Numerous locations in south-central Arizona registered 30% or less of monthly climatological values.

Despite ongoing La Niña conditions in the Equatorial Pacific that statistically lead to drier winters in Arizona, the region experienced multiple significant wetting precipitation events during the winter and early spring months, particularly during the month of March when multiple atmospheric river events were directed into southern California and portions of Arizona at times. Ultimately, historic snowpack and bouts of heavy precipitation from frequent Pacific weather disturbances in the mountains north and east necessitated the controlled and prolonged release of upstream reservoirs well into the month of May. The prevailing cool and wet weather pattern with unusually and widespread saturated soil conditions across southern and central Arizona facilitated both short-term drought relief and a suppressed wildfire season.

By late April and May, stronger spring season daytime heating potential combined with anomalously high available water vapor content in the atmosphere that led to a “false” monsoon signal with convective thunderstorms developing over the higher terrain, especially when atmospheric instability was enhanced by passing low pressure troughs. Much drier, but seasonably cool, weather conditions persisted between late May and most of June.

A delayed and drier monsoon circulation has been linked to abnormally wet and cool winter/spring months. This verified with a historic lack of rainfall at some observation locations in Arizona. For example, Phoenix Sky Harbor’s 0.15” of rainfall between June 15th and September 30th was the driest on record going back to 1896, while the ALERT network experienced its 2nd driest monsoon on record since 1982. The monsoon period not only lacked the usual daily thunderstorm opportunities, especially over the lower deserts, but was dangerously hot at all locations. Record heat quickly gripped the region by late June and early July and was sustained well into August and lingered at times for September. An extensive list of new daily and streak heat records was established throughout the monsoon season. Only a few severe thunderstorm outbreaks between late August and mid-September, aided by remnant tropical moisture interacting with upper-level low pressure troughing, finally offered relief from the heat and general precipitation deficit for some favored locations. More detailed weather and rainfall information on Monsoon 2023 can be found [here](#).

Table 6 below shows temperature data averaged across the entire ALERT weather station network. Values were calculated using WY2023 data. Anomalies and ranks were calculated using data for the period of record. Overall, the average temperature across all stations for WY2023 was 70.7°F, which was 1.0°F cooler than the long-term average of 71.7°F. This ranked as a tie for the 6th coolest WY on record. Looking at the anomaly data (not shown), thirty-five of the weather stations were cooler than average with seven stations experiencing their coolest WY average temperature

on record. Despite the cool dominant departures across the ALERT network, the Horsethief Basin site registered its warmest average temperature on record (62.1°F: +5.2 anomaly).

Table 6: ALERT Network Temperature Statistics Water Year 2023

Statistic	Avg Temp (°F)	Avg Max Temp (°F)	Avg Min Temp (°F)
Value	70.7	81.7	59.5
Anomaly	-1.0	-2.0	-1.1
Rank	Tied 6th Coolest (2000-2023)	2 nd Coolest (2010-2023)	Tied 3 rd Coolest (2010-2023)

The average maximum temperature across all stations for WY2023 was 81.7°F, which was 2.0°F cooler than the long-term average of 83.7°F. This ranked as the second coolest WY on record (data back to WY2010). Nearly all weather stations (38 of 40) were cooler than their respective long-term average maximum temperatures with eleven stations experiencing their coolest WY on record. No new daily high temperature records were set in WY2023; however, the Horseshoe Lake site tied a previous record (see Figure 2).

The average minimum temperature across all stations was 59.5°F, which was 1.1°F cooler than the long-term average of 60.6°F. Water Year 2023 was tied for the third coolest on record (data back to WY2010). A majority of stations were anomalously cooler; however, six stations had an average minimum temperature above their respective long-term means. There were seven stations that set new cool WY average minimum temperatures, while only one station (Horsethief Basin) set a new warm WY record. No new daily minimum records were set during WY2023 (see Figure 3).

Meteorological Data: Monthly Weather Summaries

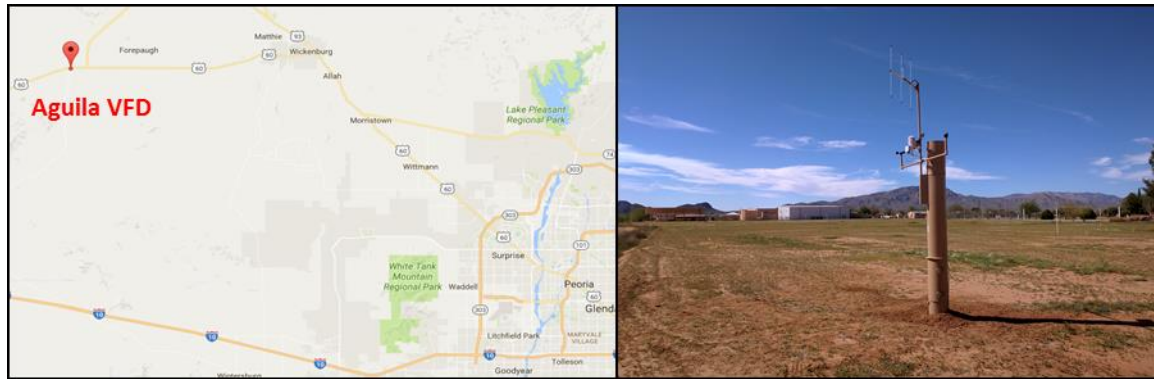
Aguila VFD Weather Station

Meta Data Summary

Aguila, Arizona

Date of Station Installation: 09/01/2001

Weather Sensor Installation: 03/26/2015



State: Arizona

County: Maricopa

Latitude: 33° 56' 27.4" (33.9409)

Longitude: 113° 10' 19.8" (-113.1721)

TRS: T7N-R9W-Section 22

Location: Located behind Aguila VFD in field

Time Zone: MST – all year

Data Repeater: Yarnell Hill

Elevation: 2,170 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 22

Archived: Yes, from date of sensor installation

Site Description: Flat ground, Soil type – dirt/grass

Obstructions: No obstructions

Equipment operates in the NWS ALERT Format. Transmission to the Flood Control District of Maricopa County via VHF radio. Detailed sensor information and additional photographs, next page.

Detailed Sensor Data

Sensor	ID #	Data Begins	Type	Manufacturer	Model	Height AGL (ft)	Units	Frequency of Data
Rain	28300	09/19/01	Tipping Bucket	Hydrolynx	5050P	9.8	mm	Variable
Temperature	28301	03/26/15	Probe, Radiation Shield	Vaisala, Hydrolynx	HMP155, 4550	9.6	deg F/C	15 minutes
Relative Humidity	28302	03/26/15	Probe, Radiation Shield	Vaisala, Hydrolynx	HMP155, 4550	9.6	%	15 minutes
Dewpoint (calculated)	28316	03/26/15	---	---	---	---	deg F	15 minutes
Wind Speed	28304	03/26/15	3-cup	Hydrolynx	5050WS	9.7	mph	15 minutes
Wind Direction	28305	03/26/15	Pointer	Hydrolynx	5050WD	9.6	deg	15 minutes
Peak Wind	28306	03/26/15	---	---	---	---	mph	15 minutes



Water Year 2023 Weather Climate Summary Reports
Weather Station: Aguila Fire Department (AFD)

Months	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°	Monthly Mean Temp	Monthly Mean Wind
	°F	Date	°F	Date	°F	°F	Date	MPH	Date	MPH	Total	Total	Total	Total	°F	MPH
October	93	10/14	39	10/28	68.9	64	10/15	27	10/6	2.8	0	0	8	0	68.9	2.8
November	76	11/1	31	11/17	52.9	55	11/9	22	11/3	3.3	0	0	0	2	52.9	3.3
December	77	12/26	25	12/19	49.3	60	12/4	20	12/12	2.7	0	0	0	10	49.3	2.7
January	71	1/8	27	1/24	47.8	52	12/30	19	1/17	3.7	0	0	0	5	47.8	3.7
February	73	2/4	27	2/10	49.1	47	2/21	33	2/22	4.4	0	0	0	5	49.1	4.4
March	74	3/10	33	3/26	53.7	54	3/15	28	3/1	4.0	0	0	0	0	53.7	4.0
April	96	4/29	30	4/5	66.5	44	4/14	31	4/3	3.9	0	0	6	1	66.5	3.9
May	99	5/15	47	5/6	77.1	60	5/19	25	5/19	4.6	0	0	19	0	77.1	4.6
June	108	6/30	57	6/24	83.8	50	6/21	22	6/22	4.2	0	11	27	0	83.8	4.2
July	117	7/15	70	7/7	97.8	65	7/25	26	7/27	4.0	20	31	31	0	97.8	4.0
August	114	8/28	72	8/4	92.6	71	8/3	28	8/31	4.1	5	26	28	0	92.6	4.1
September	110	9/9	62	9/22	83.7	69	9/1	28	9/1	3.4	1	13	30	0	83.7	3.4

	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°
2023 Totals	117	7/15	25	12/19	68.6	71	8/3	33	2/22	3.8	26	81	149	23

First 100F day: 06/04/2023
 Last 100F day: 09/27/2023
 First 90F day: 10/01/2022
 Last 90F day: 09/30/2023

To retrieve daily weather sensor statistics by month for the entire Water Year at each weather station, use the internet link below:
https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2023.xlsx

Bartlett Lake Weather Station

Meta Data Summary

Bartlett Lake, Arizona

Date of Station Installation: 08/31/2000

Weather Sensor Installation: 08/31/2000



State: Arizona

County: Maricopa

Latitude: 33° 50' 20.2" (33.83894)

Longitude: 111° 38' 11.7" (-111.63659)

TRS: T6N-R7E-Section 28

Location: Bartlett Lake Sheriff Sub-station, close to water

Time Zone: MST – all year

Data Repeater: Mt. Ord

Elevation: 1,825 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 24

Archived: Yes, from date of installation

Site Description: Flat ground, Soil type – gravel/dirt

Obstructions: No Obstructions

Equipment operates in the NWS ALERT Format. Transmission to the Flood Control District of Maricopa County via VHF radio. Detailed sensor information and additional photographs, next page.

Flood Control District of Maricopa County

Detailed Sensor Data

Sensor	ID #	Data Begins	Type	Manufacturer	Model	Height AGL (ft)	Units	Frequency of Data
Rain	82700	08/31/00	Tipping Bucket	Hydrolynx	5050P	12.1	mm	Variable
Temperature	82701	08/31/00	Transducer, Radiation Shield	Hydrolynx	2048, 4550	10.5	deg F/C	15 minutes
Relative Humidity	82702	08/31/00	Polymer film, Radiation Shield	Hydrolynx	2048, 4550	10.5	%	15 minutes
Dewpoint (calculated)	82716	01/01/01	---	---	---	---	deg F	15 minutes
Wind Speed	82704	08/31/00	Mechanical Wind Sensors	Young	5108	10.6	mph	15 minutes
Wind Direction	82705	08/31/00	Mechanical Wind Sensors	Young	5108	10.6	deg	15 minutes
Peak Wind	82706	08/31/00	---	---	---	---	mph	15 minutes
Solar Radiation	82711	08/31/00	Silicon photovoltaic cell	Hydrolynx	4015	11.9	watt/sq m	30 minutes
Barometric Pressure	82703	08/31/00	Solid state	Hydrolynx	1522	3.2	mb, inHg	30 minutes



Water Year 2023 Weather Climate Summary Reports
Weather Station: Bartlett Lake (BTL)

Months	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°	Monthly Mean Temp	Monthly Mean Wind
	°F	Date	°F	Date	°F	°F	Date	MPH	Date	MPH	Total	Total	Total	Total	°F	MPH
October	97	10/2	46	10/26	74.3	65	10/15	26	10/3	3.5	0	0	14	0	74.3	3.5
November	80	11/1	39	11/27	57.7	58	11/2	19	11/9	3.3	0	0	0	0	57.7	3.3
December	77	12/26	34	12/14	53.0	60	12/5	17	12/12	2.7	0	0	0	0	53.0	2.7
January	75	1/12	31	1/24	50.9	53	1/17	23	1/1	2.9	0	0	0	2	50.9	2.9
February	78	2/12	35	2/15	53.9	51	2/21	28	2/22	3.8	0	0	0	0	53.9	3.8
March	80	3/28	35	3/2	57.2	56	3/15	26	3/1	3.1	0	0	0	0	57.2	3.1
April	99	4/11	38	4/5	70.4	50	4/25	24	4/3	3.6	0	0	10	0	70.4	3.6
May	99	5/16	51	5/5	80.2	62	5/17	26	5/14	4.0	0	0	16	0	80.2	4.0
June	106	6/26	61	6/1	83.6	54	6/28	19	6/11	3.5	0	9	27	0	83.6	3.5
July	115	7/15	72	7/1	97.2	70	7/29	26	7/22	3.7	17	31	31	0	97.2	3.7
August	113	8/28	75	8/21	93.1	72	8/21	24	8/21	3.8	5	27	30	0	93.1	3.8
September	111	9/9	61	9/30	84.5	69	9/2	24	9/12	3.6	1	11	30	0	84.5	3.6

	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°
2023 Totals	115	7/15	31	1/24	71.3	72	8/21	28	2/22	2.7	23	78	158	2

First 100F day: 06/18/2023
 Last 100F day: 09/27/2023
 First 90F day: 10/01/2022
 Last 90F day: 09/30/2023

To retrieve daily weather sensor statistics by month for the entire Water Year at each weather station, use the internet link below:
https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2023.xlsx

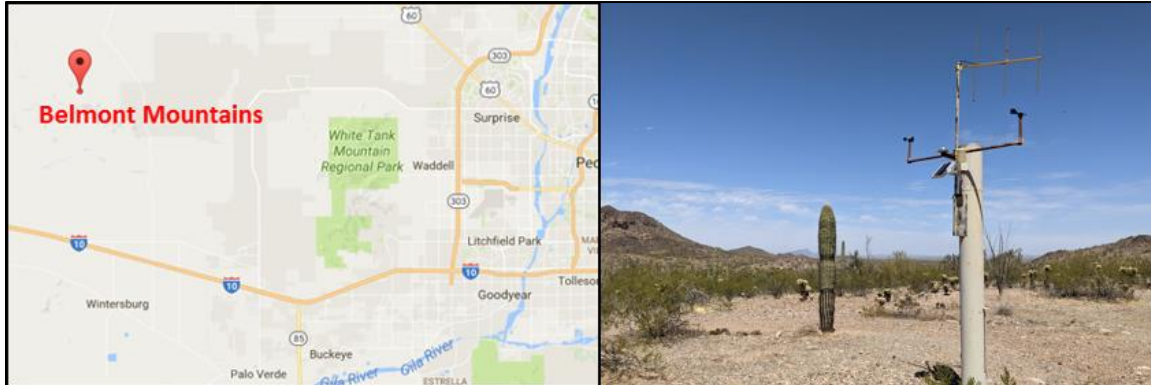
Belmont Mountains Weather Station

Meta Data Summary

Wickenburg, Arizona

Date of Station Installation: 11/27/2002

Weather Sensor Installation: 03/20/2007



State: Arizona

County: Maricopa

Latitude: 33° 39' 26.7" (33.65741)

Longitude: 112° 54' 41.3" (-112.91146)

TRS: T4N-R6W-Section 30

Location: 4.8mi S of Vulture Mine Rd/Aguila Rd intersection

Time Zone: MST – all year

Data Repeater: White Tank Peak

Elevation: 1,865 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 22

Archived: Yes, from date of sensor installation

Site Description: flat ground, Soil type – dirt/rocks/shrubs

Obstructions: No Obstructions

Equipment operates in the NWS ALERT Format. Transmission to the Flood Control District of Maricopa County via VHF radio. Detailed sensor information and additional photographs, next page.

Detailed Sensor Data

Sensor	ID #	Data Begins	Type	Manufacturer	Model	Height AGL (ft)	Units	Frequency of Data
Rain	46300	11/27/02	Tipping Bucket	Hydrolynx	5050P	9.9	mm	Variable
Temperature	46301	03/20/07	Transducer, Radiation Shield	Hydrolynx	2048, 4550	9.2	deg F/C	15 minutes
Relative Humidity	46302	03/20/07	Polymer film, Radiation Shield	Hydrolynx	2048, 4550	9.2	%	15 minutes
Dewpoint (calculated)	46316	03/20/07	---	---	---	---	deg F	15 minutes
Wind Speed	46304	03/20/07	3-cup	Hydrolynx	5050WS	10.9	mph	15 minutes
Wind Direction	46305	03/20/07	Pointer	Hydrolynx	5050WD	10.7	deg	15 minutes
Peak Wind	46306	03/20/07	---	---	---	---	mph	15 minutes
Solar Radiation	46311	03/20/07	Silicon photovoltaic cell	Hydrolynx	4015	9.7	watt/sq m	30 minutes



Water Year 2023 Weather Climate Summary Reports
Weather Station: Belmont Mountains (BEL)

Months	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°	Monthly Mean Temp	Monthly Mean Wind
	°F	Date	°F	Date	°F	°F	Date	MPH	Date	MPH	Total	Total	Total	Total	°F	MPH
October	95	10/3	50	10/24	73.6	65	10/15	38	10/15	2.4	0	0	10	0	73.6	2.4
November	77	11/1	42	11/13	57.8	56	11/9	36	11/3	2.1	0	0	0	0	57.8	2.1
December	73	12/26	33	12/13	52.9	61	12/4	22	12/7	1.2	0	0	0	0	52.9	1.2
January	73	1/13	31	1/24	50.4	53	1/16	38	1/1	2.0	0	0	0	1	50.4	2.0
February	74	2/20	33	2/23	53.2	49	2/21	52	2/10	3.6	0	0	0	0	53.2	3.6
March	76	3/11	35	3/2	57.2	56	3/15	34	3/25	3.0	0	0	0	0	57.2	3.0
April	98	4/30	40	3/31	72.7	44	4/14	44	4/3	3.9	0	0	9	0	72.7	3.9
May	101	5/16	56	5/6	80.7	65	5/19	44	5/9	4.0	0	1	22	0	80.7	4.0
June	108	6/30	63	6/1	87.2	56	6/28	29	6/7	4.0	0	15	28	0	87.2	4.0
July	118	7/15	79	7/1	100.8	70	7/30	39	7/7	4.7	21	31	31	0	100.8	4.7
August	116	8/28	71	8/21	95.4	72	8/7	43	8/31	3.9	10	27	28	0	95.4	3.9
September	112	9/9	68	9/21	88.1	74	9/1	29	9/11	2.8	1	15	30	0	88.1	2.8

	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°
2023 Totals	118	7/15	31	1/24	72.5	74	9/1	52	2/10	4.7	32	89	158	1

First 100F day: 05/16/2023
 Last 100F day: 09/28/2023
 First 90F day: 10/01/2022
 Last 90F day: 09/30/2023

To retrieve daily weather sensor statistics by month for the entire Water Year at each weather station, use the internet link below:
https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2023.xlsx

Buckeye FRS #1 Weather Station

Meta Data Summary

Buckeye, Arizona

Date of Station Installation: 07/26/1983

Weather Sensor Installation: 02/11/1997



State: Arizona

County: Maricopa

Latitude: 33° 27' 21.8" (33.45606)

Longitude: 112° 44' 53.6" (-112.7482)

TRS: T1N-R5W-Section 03

Location: 1/4 mi. N of I-10 near Hassayampa River

Time Zone: MST – all year

Data Repeater: White Tank Peak

Elevation: 1,075 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 22

Archived: Yes, from date of installation

Site Description: Flat ground, Soil type – dirt/gravel

Obstructions: No Obstructions

Equipment operates in the NWS ALERT Format. Transmission to the Flood Control District of Maricopa County via VHF radio. Detailed sensor information and additional photographs, next page.

Flood Control District of Maricopa County

Detailed Sensor Data

Sensor	ID #	Data Begins	Type	Manufacturer	Model	Height AGL (ft)	Units	Frequency of Data
Rain	4400 0	09/28/92 10/01/87- 09/28/92 Prior to 10/01/87	Tipping Bucket	Hydrolynx	5050P	9.7	mm	Variable
Temperature	4400 1	03/01/97	Transducer, Radiation Shield	Hydrolynx	2048, 4550	10.1	deg F/C	15 minutes
Relative Humidity	4400 2	02/11/97	Polymer film, Radiation Shield	Hydrolynx	2048, 4550	10.1	%	15 minutes
Dewpoint (calculated)	4401 6	01/01/03	---	---	---	---	deg F	15 minutes
Wind Speed	4400 4	01/11/03	3-cup	Hydrolynx	5050WS	12.1	mph	15 minutes
Wind Direction	4400 5	08/28/00	Pointer	Hydrolynx	5050WD	12.1	deg	15 minutes
Peak Wind	4400 6	01/11/03	---	---	---	---	mph	15 minutes
Barometric Pressure	4400 3	02/11/97	Solid state	Hydrolynx	1522	5.7	mb, inHg	30 minutes



Water Year 2023 Weather Climate Summary Reports
Weather Station: Buckeye FRS #1 (BF1)

Months	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°	Monthly Mean Temp	Monthly Mean Wind
	°F	Date	°F	Date	°F	°F	Date	MPH	Date	MPH	Total	Total	Total	Total	°F	MPH
October	98	10/3	47	10/25	74.7	68	10/15	53	10/15	3.6	0	0	12	0	74.7	3.6
November	79	11/1	36	11/18	56.8	60	11/9	49	11/3	3.0	0	0	0	0	56.8	3.0
December	74	12/25	29	12/17	52.1	63	12/4	25	12/12	1.8	0	0	0	2	52.1	1.8
January	74	1/13	32	1/24	51.0	56	12/30	33	1/29	2.8	0	0	0	2	51.0	2.8
February	76	2/19	32	2/15	54.1	50	2/21	41	2/14	4.7	0	0	0	1	54.1	4.7
March	82	3/12	37	3/3	59.3	59	3/15	32	3/19	4.1	0	0	0	0	59.3	4.1
April	101	4/30	37	4/5	72.6	47	4/14	60	4/3	4.4	0	1	16	0	72.6	4.4
May	101	5/15	50	5/5	79.8	61	5/16	35	5/4	4.7	0	5	23	0	79.8	4.7
June	109	6/30	61	6/7	85.6	51	6/28	43	6/11	4.2	0	17	29	0	85.6	4.2
July	119	7/15	74	7/7	100.0	67	7/30	47	7/26	4.9	24	31	31	0	100.0	4.9
August	115	8/28	72	8/21	95.3	68	8/7	41	8/31	5.0	12	26	29	0	95.3	5.0
September	114	9/9	62	9/29	86.7	70	9/1	27	9/2	3.8	2	18	30	0	86.7	3.8

	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°
2023 Totals	119	7/15	29	12/17	72.3	70	9/1	60	4/3	3.9	38	98	170	5

First 100F day: 04/30/2023
 Last 100F day: 09/28/2023
 First 90F day: 10/01/2022
 Last 90F day: 09/30/2023

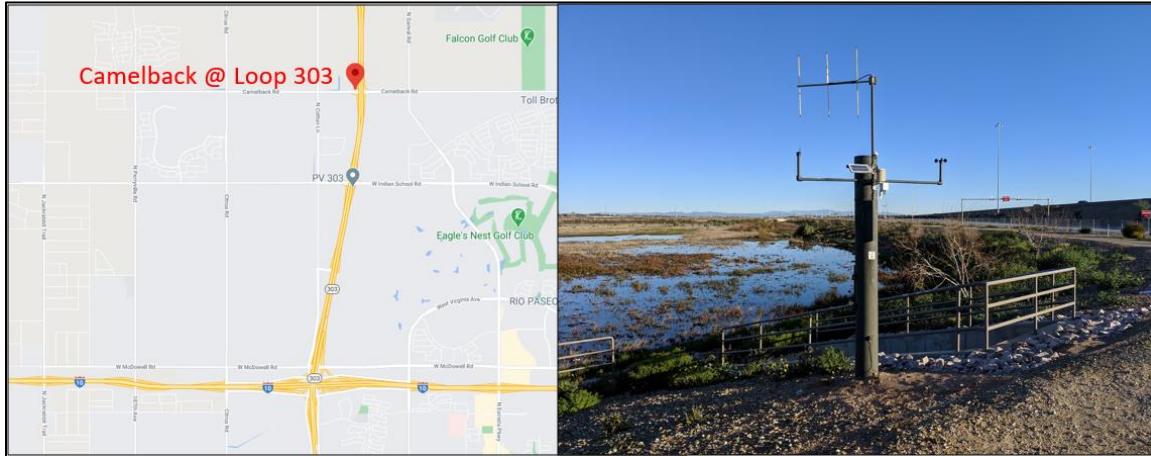
To retrieve daily weather sensor statistics by month for the entire Water Year at each weather station, use the internet link below:
https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2023.xlsx

Camelback at Loop 303 Weather Station

Meta Data Summary



Goodyear, Arizona
Date of Station Installation: 05/10/2012
Weather Sensor Installation: 01/22/2015



State: Arizona
County: Maricopa
Latitude: 33° 30' 30.8" (33.50855)
Longitude: 112° 25' 11.4" (-112.41983)
TRS: T2N-R2W-Section 22
Location: Camelback Rd just west of Loop 303
Time Zone: MST – all year
Data Repeater: White Tank Peak
Elevation: 1,065 ft. msl
Owner: Flood Control District of Maricopa County
NWS CWA/Zone #: Phoenix, 23
Archived: Yes, from date of sensor installation
Site Description: Flat ground, Soil type – dirt/gravel
Obstructions: No obstructions

Equipment operates in the NWS ALERT Format. Transmission to the Flood Control District of Maricopa County via VHF radio. Detailed sensor information and additional photographs, next page.

Flood Control District of Maricopa County

Detailed Sensor Data

Sensor	ID #	Data Begins	Type	Manufacturer	Model	Height AGL (ft)	Units	Frequency of Data
Rain	87500	05/10/12	Tipping Bucket	Hydrolynx	5050P	9.8	mm	Variable
Temperature	87501	05/10/12	Probe, Radiation Shield	Vaisala, Hydrolynx	HMP155, 4550	8.6	deg F/C	15 minutes
Relative Humidity	87502	05/10/12	Probe, Radiation Shield	Vaisala, Hydrolynx	HMP155, 4550	8.6	%	15 minutes
Dewpoint (calculated)	87516	05/10/12	---	---	---	---	deg F	15 minutes
Wind Speed	87504	05/10/12	3-cup	Hydrolynx	5050WS	9.7	mph	15 minutes
Wind Direction	87505	05/10/12	Pointer	Hydrolynx	5050WD	9.7	deg	15 minutes
Peak Wind	87506	05/10/12	---	---	---	---	mph	15 minutes



Water Year 2023 Weather Climate Summary Reports
Weather Station: Camelback @ Loop 303 (CRC)

Months	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°	Monthly Mean Temp	Monthly Mean Wind
	°F	Date	°F	Date	°F	°F	Date	MPH	Date	MPH	Total	Total	Total	Total	°F	MPH
October	98	10/3	47	10/28	74.2	66	10/15	28	10/3	1.9	0	0	13	0	74.2	1.9
November	79	11/1	37	11/23	57.0	56	11/9	25	11/3	1.7	0	0	0	0	57.0	1.7
December	74	12/25	33	12/19	52.4	61	12/4	21	12/28	1.0	0	0	0	0	52.4	1.0
January	75	1/13	32	1/25	51.4	54	12/30	21	1/1	1.8	0	0	0	1	51.4	1.8
February	76	2/12	34	2/16	54.5	49	2/26	34	2/14	3.4	0	0	0	0	54.5	3.4
March	81	3/14	39	3/2	60.9	57	3/15	24	3/30	2.7	0	0	0	0	60.9	2.7
April	102	4/30	40	4/5	74.0	47	4/25	29	4/3	3.2	0	1	14	0	74.0	3.2
May	102	5/15	55	5/6	82.1	62	5/17	30	5/19	3.3	0	5	22	0	82.1	3.3
June	108	6/26	62	6/24	87.8	54	6/28	25	6/5	3.4	0	15	29	0	87.8	3.4
July	117	7/15	80	7/2	101.4	72	7/31	24	7/26	4.6	22	31	31	0	101.4	4.6
August	113	8/28	74	8/31	94.9	69	8/7	41	8/31	3.4	4	24	27	0	94.9	3.4
September	110	9/9	65	9/29	86.0	73	9/1	30	9/1	1.8	1	12	30	0	86.0	1.8

	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°
2023 Totals	117	7/15	32	1/25	73.1	73	9/1	41	8/31	2.7	27	88	166	1

First 100F day: 04/30/2023
 Last 100F day: 09/27/2023
 First 90F day: 10/01/2022
 Last 90F day: 09/30/2023

To retrieve daily weather sensor statistics by month for the entire Water Year at each weather station, use the internet link below:
https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2023.xlsx

Carefree Ranch Weather Station

Meta Data Summary

Carefree, Arizona

Date of Station Installation: 07/15/1985

Weather Sensor Installation: 11/02/1987



State: Arizona

County: Maricopa

Latitude: 33° 51' 08.3" (33.8523)

Longitude: 111° 51' 49.1" (-111.8635)

TRS: T6N-R5E-Section 20

Location: 2.5 mi. NE of Sky Ranch Airport

Time Zone: MST – all year

Data Repeater: Direct

Elevation: 2,980 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 24

Archived: Yes, from date of sensor installation

Site Description: on top of small hill, Soil type – sand/gravel

Obstructions: None

Equipment operates in the NWS ALERT Format. Transmission to the Flood Control District of Maricopa County via VHF radio. Detailed sensor information and additional photographs, next page.

Flood Control District of Maricopa County

Detailed Sensor Data

Sensor	ID #	Data Begins	Type	Manufacturer	Model	Height AGL (ft)	Units	Frequency of Data
Rain	2100 0	03/09/00 06/30/92- 03/09/93 10/01/87- 06/30/92 Prior to 10/01/87	Tipping Bucket	Hydrolynx	5050P	10.5	mm	Variable
Temperature	2100 1	11/02/87	Transducer, Radiation Shield	Hydrolynx	2048, 4550	9.9	deg F/C	15 minutes
Relative Humidity	2100 2	03/25/94	Polymer film, Radiation Shield	Hydrolynx	2048, 4550	9.9	%	15 minutes
Dewpoint (calculated)	2101 6	07/08/94	---	---	---	---	deg F	15 minutes
Wind Speed	2100 4	11/02/87	3-cup	Hydrolynx	5050WS	10.5	mph	15 minutes
Wind Direction	2100 5	05/01/01	Pointer	Hydrolynx	5050WD	10.3	deg	15 minutes
Peak Wind	2100 6	03/25/94	---	---	---	---	mph	15 minutes
Solar Radiation	2101 1	03/25/94	Silicon photovoltaic cell	Hydrolynx	4015	10.6	watt/sq m	30 minutes



Water Year 2023 Weather Climate Summary Reports
Weather Station: Carefree Ranch (CFR)

Months	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°	Monthly Mean Temp	Monthly Mean Wind
	°F	Date	°F	Date	°F	°F	Date	MPH	Date	MPH	Total	Total	Total	Total	°F	MPH
October	91	10/2	46	10/24	70.4	60	10/15	34	10/3	4.6	0	0	2	0	70.4	4.6
November	75	11/1	36	11/4	55.4	51	11/2	26	11/15	4.4	0	0	0	0	55.4	4.4
December	72	12/26	30	12/14	51.4	59	12/4	20	12/16	3.4	0	0	0	1	51.4	3.4
January	70	1/13	30	1/24	48.7	51	1/16	24	1/25	4.1	0	0	0	2	48.7	4.1
February	72	2/4	29	2/15	51.2	47	2/21	34	2/9	5.3	0	0	0	2	51.2	5.3
March	73	3/28	32	3/1	54.2	54	3/11	25	3/1	4.3	0	0	0	2	54.2	4.3
April	94	4/30	37	4/4	68.7	43	4/30	26	4/3	4.6	0	0	3	0	68.7	4.6
May	93	5/15	49	5/5	74.9	56	5/17	35	5/1	4.6	0	0	7	0	74.9	4.6
June	101	6/26	57	6/1	81.2	48	6/20	21	6/11	4.3	0	1	21	0	81.2	4.3
July	110	7/15	73	7/1	94.0	64	7/31	32	7/26	4.3	1	29	31	0	94.0	4.3
August	108	8/28	68	8/21	89.7	68	8/16	31	8/31	4.5	0	15	29	0	89.7	4.5
September	105	9/9	63	9/21	82.7	66	8/31	23	9/1	4.1	0	4	25	0	82.7	4.1

	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°
2023 Totals	110	7/15	29	2/15	68.5	68	8/16	35	5/1	4.4	1	49	118	7

First 100F day: 06/26/2023
 Last 100F day: 09/10/2023
 First 90F day: 10/02/2022
 Last 90F day: 09/29/2023

To retrieve daily weather sensor statistics by month for the entire Water Year at each weather station, use the internet link below:
https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2023.xlsx

City of Glendale Weather Station

Meta Data Summary

Glendale, Arizona

Date of Station Installation: 07/06/1989

Weather Sensor Installation: 12/19/1995



State: Arizona

County: Maricopa

Latitude: 33° 32' 37.0" (33.5436)

Longitude: 112° 11' 36.8" (-112.1936)

TRS: T2N-R2E-Section 06

Location: Grand Avenue at 63rd Avenue

Time Zone: MST – all year

Data Repeater: Direct

Elevation: 1,140 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 23

Archived: Yes, from date of sensor installation

Site Description: flat ground next to asphalt, Soil type –gravel

Obstructions: No Obstructions

Equipment operates in the NWS ALERT Format. Transmission to the Flood Control District of Maricopa County via VHF radio. Detailed sensor information and additional photographs, next page.

Flood Control District of Maricopa County

Detailed Sensor Data

Sensor	ID #	Data Begins	Type	Manufacturer	Model	Height AGL (ft)	Units	Frequency of Data
Rain	6500	03/02/92 08/10/92- 03/02/93 07/06/89- 08/10/92	Tipping Bucket	Hydrolynx	5050P	9.3	mm	Variable
Temperature	6501	12/19/95	Transducer, Radiation Shield	Hydrolynx	2048, 4550	8.6	deg F/C	15 minutes
Relative Humidity	6502	12/19/95	Polymer film, Radiation Shield	Hydrolynx	2048, 4550	8.6	%	15 minutes
Dewpoint (calculated)	6516	01/01/03	---	---	---	---	deg F	15 minutes
Wind Speed	6504	11/22/10	3-cup	Hydrolynx	5050WS	9.8	mph	15 minutes
Wind Direction	6505	11/22/10	Pointer	Hydrolynx	5050WD	9.7	deg	15 minutes
Peak Wind	6506	11/22/10	---	---	---	---	mph	15 minutes
Solar Radiation	6511	11/22/10	Silicon photovoltaic cell	Hydrolynx	4015	9.3	watt/sq m	30 minutes
Barometric Pressure	6503	11/22/10	Solid state	Hydrolynx	1522	6.9	mb, inHg	30 minutes



Water Year 2023 Weather Climate Summary Reports
Weather Station: City of Glendale (GLN)

Months	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°	Monthly Mean Temp	Monthly Mean Wind
	°F	Date	°F	Date	°F	°F	Date	MPH	Date	MPH	Total	Total	Total	Total	°F	MPH
October	99	10/3	51	10/25	76.9	67	10/15	31	10/3	1.3	0	0	16	0	76.9	1.3
November	81	11/1	41	11/27	59.5	59	11/9	21	11/3	1.0	0	0	0	0	59.5	1.0
December	76	12/25	35	12/17	54.5	61	12/4	14	12/12	0.4	0	0	0	0	54.5	0.4
January	77	1/12	34	1/24	53.3	55	1/1	17	1/17	1.0	0	0	0	0	53.3	1.0
February	78	2/4	36	1/29	56.8	49	2/21	28	2/22	1.9	0	0	0	0	56.8	1.9
March	81	3/12	40	3/2	62.1	59	3/15	22	3/1	1.8	0	0	0	0	62.1	1.8
April	102	4/30	43	4/5	75.3	45	4/25	23	4/3	1.9	0	3	16	0	75.3	1.9
May	102	5/15	60	5/6	83.3	64	5/18	24	5/1	2.4	0	7	22	0	83.3	2.4
June	109	6/30	67	6/24	89.0	52	6/11	20	6/5	2.0	0	18	30	0	89.0	2.0
July	117	7/20	79	7/26	101.8	75	7/31	29	7/26	2.9	25	31	31	0	101.8	2.9
August	116	8/28	77	8/22	98.0	73	8/16	26	8/31	2.7	12	25	28	0	98.0	2.7
September	113	9/9	69	9/29	89.7	74	9/12	22	9/18	1.5	2	20	30	0	89.7	1.5

	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°
2023 Totals	117	7/20	34	1/24	75.0	75	7/31	31	10/3	1.7	39	104	173	0

First 100F day: 04/28/2023
 Last 100F day: 09/29/2023
 First 90F day: 10/01/2022
 Last 90F day: 09/30/2023

To retrieve daily weather sensor statistics by month for the entire Water Year at each weather station, use the internet link below:
https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2023.xlsx

Crossroads Park Weather Station

Meta Data Summary

Gilbert, Arizona

Date of Station Installation: 12/18/1995

Weather Sensor Installation: 12/18/1995



State: Arizona

County: Maricopa

Latitude: 33° 19' 39.7" (33.3277)

Longitude: 111° 44' 47.9" (-111.746)

TRS: T1S-R6E-Section 21

Location: 1/2 mi. NW of Ray Rd. and Greenfield Rd.

Time Zone: MST – all year

Data Repeater: Thompson Peak

Elevation: 1,265 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 23

Archived: Yes, from date of sensor installation

Site Description: flat ground at top of basin, Soil type –dirt/gravel

Obstructions: No Obstructions

Equipment operates in the NWS ALERT Format. Transmission to the Flood Control District of Maricopa County via VHF radio. Detailed sensor information and additional photographs, next page.

Flood Control District of Maricopa County

Detailed Sensor Data

Sensor	ID #	Data Begins	Type	Manufacturer	Model	Height AGL (ft)	Units	Frequency of Data
Rain	3300 0	12/18/95	Tipping Bucket	Hydrolynx	5050P	11.1	mm	Variable
Temperature	3300 1	12/18/95	Transducer, Radiation Shield	Hydrolynx	2048, 4550	12.6	deg F/C	15 minutes
Relative Humidity	3300 2	12/18/95	Polymer film, Radiation Shield	Hydrolynx	2048, 4550	12.6	%	15 minutes
Dewpoint (calculated)	3301 6	01/01/03	---	---	---	---	deg F	15 minutes
Wind Speed	3300 4	12/18/95	3-cup	Hydrolynx	5050WS	12.5	mph	15 minutes
Wind Direction	3300 5	10/22/01	Pointer	Hydrolynx	5050WD	12.9	deg	15 minutes
Peak Wind	3300 6	12/19/95	---	---	---	---	mph	15 minutes
Solar Radiation	3301 1	12/18/95	Silicon photovoltaic cell	Hydrolynx	4015	11.5	watt/sq m	30 minutes
Barometric Pressure	3300 3	12/18/95	Solid state	Hydrolynx	1522	8.7	mb, inHg	30 minutes



Water Year 2023 Weather Climate Summary Reports
Weather Station: Crossroads Park (XRD)

Months	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°	Monthly Mean Temp	Monthly Mean Wind
	°F	Date	°F	Date	°F	°F	Date	MPH	Date	MPH	Total	Total	Total	Total	°F	MPH
October	93	10/13	43	10/28	69.8	65	10/15	26	10/15	1.3	0	0	8	0	69.8	1.3
November	76	11/1	34	11/27	56.8	47	11/2	22	11/3	0.1	0	0	0	0	56.8	0.1
December	71	12/1	29	12/17	50.2	58	12/4	12	12/12	3.5	0	0	0	2	50.2	3.5
January	72	1/13	33	1/24	49.6	52	1/15	16	1/29	5.4	0	0	0	0	49.6	5.4
February	69	2/12	33	2/16	51.1	46	2/21	35	2/22	2.2	0	0	0	0	51.1	2.2
March	80	3/29	39	3/3	55.6	49	3/21	38	3/1	2.3	0	0	0	0	55.6	2.3
April	104	4/30	37	4/5	73.6	55	4/12	23	4/3	2.6	0	3	16	0	73.6	2.6
May	103	5/16	58	5/5	83.2	65	5/17	24	5/18	2.8	0	9	27	0	83.2	2.8
June	111	6/26	65	6/8	88.7	58	6/12	20	6/6	2.2	1	22	30	0	88.7	2.2
July	118	7/19	79	7/6	101.1	73	7/31	28	7/26	2.6	28	31	31	0	101.1	2.6
August	116	8/28	77	8/22	97.2	78	8/8	30	8/31	2.8	14	28	30	0	97.2	2.8
September	113	9/9	65	9/21	89.3	74	9/2	23	9/12	1.8	3	24	30	0	89.3	1.8

	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°
2023 Totals	118	7/19	29	12/17	72.2	78	8/8	38	3/1	2.5	46	117	172	2

First 100F day: 04/30/2023
 Last 100F day: 09/27/2023
 First 90F day: 10/01/2022
 Last 90F day: 09/30/2023

To retrieve daily weather sensor statistics by month for the entire Water Year at each weather station, use the internet link below:
https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2023.xlsx

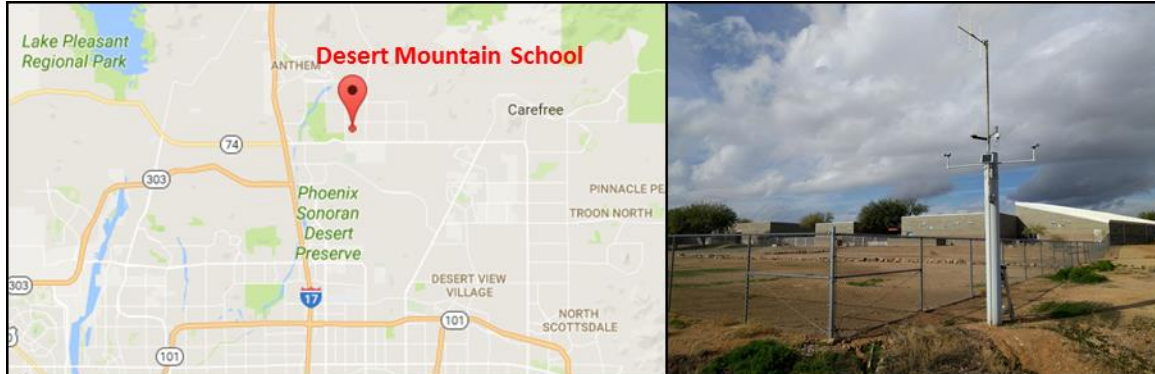
Desert Mountain School Weather Station

Meta Data Summary

Phoenix, Arizona

Date of Station Installation: 07/19/2006

Weather Sensor Installation: 07/19/2006



State: Arizona

County: Maricopa

Latitude: 33° 48' 33.6" (33.8093)

Longitude: 112° 04' 37.8" (-112.0771)

TRS: T5N-R3E-Section 5

Location: ¼ mile SE of Cloud Rd and 7th Ave

Time Zone: MST – all year

Data Repeater: Direct

Elevation: 1,810 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 23

Archived: Yes, from date of installation

Site Description: Flat ground, Soil type – dirt/grass

Obstructions: No Obstructions

Equipment operates in the NWS ALERT Format. Transmission to the Flood Control District of Maricopa County via VHF radio. Detailed sensor information and additional photographs, next page.

Flood Control District of Maricopa County

Detailed Sensor Data

Sensor	ID #	Data Begins	Type	Manufacturer	Model	Height AGL (ft)	Units	Frequency of Data
Rain	18700	07/19/06	Tipping Bucket	Hydrolynx	5050P	12.0	mm	Variable
Temperature	18701	07/19/06	Probe, Radiation Shield	Vaisala, Hydrolynx	HMP155, 4550	13.3	deg F/C	15 minutes
Relative Humidity	18702	07/19/06	Probe, Radiation Shield	Vaisala, Hydrolynx	HMP155, 4550	13.3	%	15 minutes
Dewpoint (calculated)	18716	07/19/06	---	---	---	---	deg F	15 minutes
Wind Speed	18704	07/19/06	3-cup	Hydrolynx	5050WS	12.1	mph	15 minutes
Wind Direction	18705	07/19/06	Pointer	Hydrolynx	5050WD	12.1	deg	15 minutes
Peak Wind	18706	07/19/06	---	---	---	---	mph	15 minutes
Solar Radiation	18711	07/19/06	Silicon photovoltaic cell	Hydrolynx	4015	13.0	mb, inHg	30 minutes
Barometric Pressure	18703	07/19/06	Solid state	Hydrolynx	1522	3.9	mb, inHg	30 minutes



Water Year 2023 Weather Climate Summary Reports
Weather Station: Desert Mountain School (DMS)

Months	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°	Monthly Mean Temp	Monthly Mean Wind
	°F	Date	°F	Date	°F	°F	Date	MPH	Date	MPH	Total	Total	Total	Total	°F	MPH
October	96	10/14	45	10/25	73.7	65	10/15	37	10/3	2.8	0	0	11	0	73.7	2.8
November	78	11/1	36	11/27	57.0	56	11/9	23	11/16	2.7	0	0	0	0	57.0	2.7
December	74	12/26	32	12/14	52.4	63	12/4	15	12/16	1.5	0	0	0	1	52.4	1.5
January	75	1/13	30	1/24	50.8	55	1/1	20	1/26	2.2	0	0	0	4	50.8	2.2
February	75	2/12	35	2/15	53.9	50	2/21	28	2/22	3.4	0	0	0	1	53.9	3.4
March	78	3/12	38	3/2	57.6	57	3/15	20	3/30	2.8	0	0	0	0	57.6	2.8
April	99	4/30	38	3/31	71.5	44	4/25	25	4/3	3.3	0	0	8	0	71.5	3.3
May	97	5/16	49	5/5	77.0	56	5/17	30	5/19	3.4	0	0	19	0	77.0	3.4
June	103	6/25	55	6/24	82.2	48	6/28	21	6/18	3.1	0	5	25	0	82.2	3.1
July	113	7/15	70	7/1	96.3	71	7/11	24	7/21	3.6	15	31	31	0	96.3	3.6
August	110	8/28	71	8/31	92.5	66	8/17	23	8/15	3.6	1	26	29	0	92.5	3.6
September	109	9/9	58	9/21	83.5	67	9/2	24	9/12	2.6	0	7	30	0	83.5	2.6

	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°
2023 Totals	113	7/15	30	1/24	70.7	71	7/11	37	10/3	2.9	16	69	153	6

First 100F day: 06/05/2023
 Last 100F day: 09/16/2023
 First 90F day: 10/01/2022
 Last 90F day: 09/30/2023

To retrieve daily weather sensor statistics by month for the entire Water Year at each weather station, use the internet link below:
https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2023.xlsx

Durango Complex Weather Station

Meta Data Summary

Phoenix, Arizona

Date of Station Installation: 06/23/1980

Weather Sensor Installation: 10/04/1991



State: Arizona

County: Maricopa

Latitude: 33° 25' 37.0" (33.4269)

Longitude: 112° 07' 11.3" (-112.1198)

TRS: T1N-R2E-Section 14

Location: 27th Ave. and Durango St.

Time Zone: MST – all year

Data Repeater: Direct

Elevation: 1,045 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 23

Archived: Yes, from date of sensor installation

Site Description: flat ground, Soil type – dirt/gravel

Obstructions: No Obstructions

Equipment operates in the NWS ALERT Format. Transmission to the Flood Control District of Maricopa County via VHF radio. Detailed sensor information and additional photographs, next page.

Detailed Sensor Data

Sensor	ID #	Data Begins	Type	Manufacturer	Model	Height AGL (ft)	Units	Frequency of Data
Rain	3300	02/25/93 06/26/92-02/25/93 10/02/91-06/26/92 prior to 10/02/91	Tipping Bucket	Hydrolynx	5050P	9.8	mm	Variable
Temperature	3301	10/04/91	Transducer, Radiation Shield	Hydrolynx	2048, 4550	9.6	deg F/C	15 minutes
Relative Humidity	3302	12/09/91	Polymer film, Radiation Shield	Hydrolynx	2048, 4550	9.6	%	15 minutes
Dewpoint (calculated)	3316	07/05/94	---	---	---	---	deg F	15 minutes
Wind Speed	3304	11/16/91	Mechanical Wind Sensors	Young	5108	9.5	mph	15 minutes
Wind Direction	3305	05/01/01	Mechanical Wind Sensors	Young	5108	9.5	deg	15 minutes
Peak Wind	3306	06/24/93	---	---	---	---	mph	15 minutes
Solar Radiation	3311	11/29/94	Silicon photovoltaic cell	Hydrolynx	4015	9.3	watt/sq m	30 minutes
Barometric Pressure	3303	11/04/91	Solid state	Hydrolynx	1522	5.5	mb, inHg	30 minutes



Water Year 2023 Weather Climate Summary Reports
Weather Station: Durango Complex (DGO)

Months	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°	Monthly Mean Temp	Monthly Mean Wind
	°F	Date	°F	Date	°F	°F	Date	MPH	Date	MPH	Total	Total	Total	Total	°F	MPH
October	96	10/3	50	10/25	74.5	65	10/15	37	10/3	2.2	0	0	11	0	74.5	2.2
November	78	11/1	38	11/27	56.5	57	11/9	21	11/3	1.4	0	0	0	0	56.5	1.4
December	71	12/25	31	12/17	51.3	60	12/4	17	12/12	0.9	0	0	0	1	51.3	0.9
January	74	1/13	33	1/24	50.2	53	1/1	20	1/17	1.7	0	0	0	0	50.2	1.7
February	75	2/12	31	2/16	53.7	48	2/21	32	2/22	2.7	0	0	0	1	53.7	2.7
March	79	3/29	38	3/2	59.3	55	3/15	22	3/1	2.6	0	0	0	0	59.3	2.6
April	100	4/30	42	4/5	72.8	45	4/30	23	4/4	2.8	0	1	8	0	72.8	2.8
May	100	5/16	60	5/5	81.2	62	5/18	21	5/1	3.3	0	1	21	0	81.2	3.3
June	110	6/26	68	6/1	89.9	46	6/3	22	6/6	2.9	1	18	29	0	89.9	2.9
July	121	7/20	80	7/31	102.8	63	7/22	27	7/26	3.8	28	31	31	0	102.8	3.8
August	115	8/4	74	8/22	95.9	61	8/16	55	8/31	3.4	13	27	29	0	95.9	3.4
September	111	9/9	68	9/21	87.8	59	8/31	22	9/12	2.3	2	14	30	0	87.8	2.3

	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°
2023 Totals	121	7/20	31	12/17	73.0	65	10/15	55	8/31	2.5	44	92	159	2

First 100F day: 04/30/2023
 Last 100F day: 09/28/2023
 First 90F day: 10/01/2022
 Last 90F day: 09/30/2023

To retrieve daily weather sensor statistics by month for the entire Water Year at each weather station, use the internet link below:
https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2023.xlsx

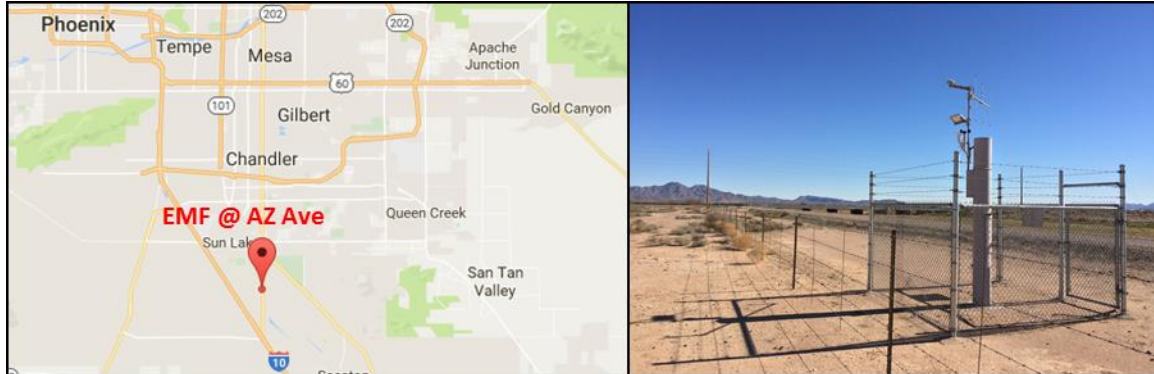
EMF @ Arizona Ave Weather Station

Meta Data Summary

Gila River, Arizona

Date of Station Installation: 06/06/2012

Weather Sensor Installation: 06/06/2012



State: Arizona

County: Pinal

Latitude: 33° 10' 09.6" (33.1693)

Longitude: 111° 50' 33.3" (-111.8425)

TRS: T3S-R5E-Section 15

Location: Arizona Ave and Hwy 587 at EMF

Time Zone: MST – all year

Data Repeater: Sacaton Peak

Elevation: 1,215 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 23

Archived: Yes, from date of sensor installation

Site Description: flat ground, Soil type – dirt/gravel

Obstructions: No Obstructions

Equipment operates in the NWS ALERT Format. Transmission to the Flood Control District of Maricopa County via VHF radio. Detailed sensor information and additional photographs, next page.

Flood Control District of Maricopa County

Detailed Sensor Data

Sensor	ID #	Data Begins	Type	Manufacturer	Model	Height AGL (ft)	Units	Frequency of Data
Rain	35200	06/06/12	Tipping Bucket	Hydrolynx	5050P	9.9	mm	Variable
Temperature	35201	06/06/12	Transducer, Radiation Shield	Hydrolynx	2048, 4550	9.9	deg F/C	15 minutes
Relative Humidity	35202	06/06/12	Polymer film, Radiation Shield	Hydrolynx	2048, 4550	9.9	%	15 minutes
Dewpoint (calculated)	35216	06/06/12	---	---	---	---	deg F	15 minutes
Wind Speed	35204	06/06/12	Mechanical Wind	Young	5108	10.5	mph	15 minutes
Wind Direction	35205	06/06/12	Sensors	Young	5108	10.5	deg	15 minutes
Peak Wind	35206	06/06/12	---	---	---	---	mph	15 minutes
Solar Radiation	35211	06/06/12	Silicon photovoltaic cell	Hydrolynx	4015	13.2	watt/sq m	30 minutes



Water Year 2023 Weather Climate Summary Reports
Weather Station: EMF @ Arizona Ave (EAA)

Months	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°	Monthly Mean Temp	Monthly Mean Wind
	°F	Date	°F	Date	°F	°F	Date	MPH	Date	MPH	Total	Total	Total	Total	°F	MPH
October	98	10/3	45	10/25	74.5	70	10/15	28	10/3	15.7	0	0	16	0	74.5	3.4
November	83	11/8	33	11/27	57.0	58	11/9	49	11/3	17.2	0	0	0	0	57.0	3.1
December	76	12/1	30	12/17	52.8	63	12/4	25	12/12	17.1	0	0	0	1	52.8	1.7
January	77	1/13	30	1/27	51.8	55	12/30	32	1/26	17.0	0	0	0	4	51.8	3.0
February	79	2/12	31	2/16	54.4	54	2/21	52	2/22	16.1	0	0	0	1	54.4	4.5
March	83	3/29	37	3/3	60.2	58	3/15	50	3/1	17.9	0	0	0	0	60.2	4.0
April	102	4/30	32	4/5	71.7	42	4/13	42	4/4	18.8	0	3	15	1	71.7	4.0
May	103	5/16	52	5/6	80.9	63	5/16	42	5/18	17.5	0	8	27	0	80.9	4.5
June	111	6/26	60	6/24	86.5	55	6/28	31	6/11	18.7	1	19	30	0	86.5	4.1
July	117	7/15	74	7/1	99.9	71	7/31	46	7/26	19.9	26	31	31	0	99.9	4.9
August	114	8/5	71	8/31	95.6	73	8/16	46	8/31	17.7	11	28	30	0	95.6	4.5
September	112	9/9	62	9/30	87.2	75	9/2	34	9/30	17.5	2	21	30	0	87.2	3.2

	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°
2023 Totals	117	7/15	30	12/17	72.7	75	9/2	52	2/22	3.7	40	110	179	7

First 100F day: 04/10/2023
 Last 100F day: 09/29/2023
 First 90F day: 10/01/2022
 Last 90F day: 09/30/2023

To retrieve daily weather sensor statistics by month for the entire Water Year at each weather station, use the internet link below:
https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2023.xlsx

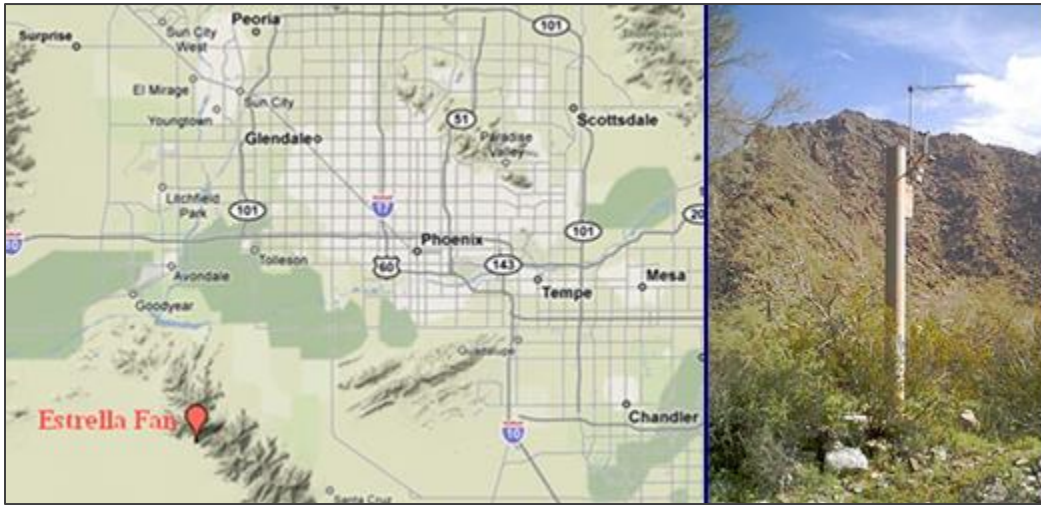
Estrella Fan Weather Station

Meta Data Summary

Avondale, Arizona

Date of Station Installation: 11/12/1992

Weather Sensor Installation: 12/02/1992



State: Arizona

County: Maricopa

Latitude: 33° 16' 10.1" (33.2695)

Longitude: 112° 19' 15.3" (-112.3209)

TRS: T2S-R1W-Section 12

Location: Near the alignments of El Mirage Road and Germann Road

Time Zone: MST – all year

Data Repeater: Waterman Wash

Elevation: 1,450 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 23

Archived: Yes, from date of sensor installation

Site Description: flat ground, Soil type – dirt, rocks, small shrubs

Obstructions: No Obstructions

Equipment operates in the NWS ALERT Format. Transmission to the Flood Control District of Maricopa County via VHF radio. Detailed sensor information and additional photographs, next page.

Detailed Sensor Data

Sensor	ID #	Data Begins	Type	Manufacturer	Model	Height AGL (ft)	Units	Frequency of Data
Rain	8420 0	11/15/92	Tipping Bucket	Hydrolynx	5050P	10.4	mm	Variable
Temperature	8420 1	12/02/92	Transducer, Radiation Shield	Hydrolynx	2048, 4550	12.0	deg F/C	15 minutes
Relative Humidity	8420 2	11/24/92	Polymer film, Radiation Shield	Hydrolynx	2048, 4550	12.0	%	15 minutes
Dewpoint (calculated)	8421 6	07/06/94	---	---	---	---	deg F	15 minutes
Wind Speed	8420 4	11/12/92	3-cup	Hydrolynx	5050WS	10.5	mph	15 minutes
Wind Direction	8420 5	05/12/01	Pointer	Hydrolynx	5050WD	10.3	deg	15 minutes
Peak Wind	8420 6	07/16/93	---	---	---	---	mph	15 minutes
Solar Radiation	8421 1	07/16/93	Silicon photovoltaic cell	Hydrolynx	4015	12.7	watt/sq m	30 minutes
Barometric Pressure	8420 3	03/09/94	Solid state	Hydrolynx	1522	4.2	mb, inHg	30 minutes



Water Year 2023 Weather Climate Summary Reports
Weather Station: Estrella Fan (EST)

Months	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°	Monthly Mean Temp	Monthly Mean Wind
	°F	Date	°F	Date	°F	°F	Date	MPH	Date	MPH	Total	Total	Total	Total	°F	MPH
October	96	10/3	49	10/25	75.4	69	10/15	29	10/3	2.2	0	0	11	0	75.4	2.2
November	80	11/1	42	11/12	58.9	57	11/9	23	11/17	1.9	0	0	0	0	58.9	1.9
December	72	12/1	34	12/15	55.7	61	12/4	19	12/17	0.6	0	0	0	0	55.7	0.6
January	75	1/13	34	1/23	54.4	55	1/16	22	1/25	1.1	0	0	0	0	54.4	1.1
February	76	2/12	35	2/15	56.7	50	2/26	43	2/25	3.0	0	0	0	0	56.7	3.0
March	81	3/29	39	3/1	61.4	59	3/15	46	3/19	2.0	0	0	0	0	61.4	2.0
April	103	4/30	41	4/5	75.0	44	4/15	57	4/4	2.1	0	2	13	0	75.0	2.1
May	102	5/16	55	5/5	81.9	64	5/16	78	5/19	2.2	0	4	22	0	81.9	2.2
June	108	6/26	64	6/7	87.7	50	6/28	47	6/28	1.8	0	15	29	0	87.7	1.8
July	116	7/15	81	7/31	101.0	70	7/31	60	7/3	2.0	22	31	31	0	101.0	2.0
August	114	8/28	73	8/31	96.7	71	8/7	69	8/22	2.5	11	26	29	0	96.7	2.5
September	112	9/9	69	9/21	89.4	75	9/1	62	9/19	1.8	2	18	30	0	89.4	1.8

	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°
2023 Totals	116	7/15	34	12/15	74.5	75	9/1	78	5/19	1.9	35	96	135	0

First 100F day: 04/29/2023
 Last 100F day: 09/29/2023
 First 90F day: 10/01/2022
 Last 90F day: 09/30/2023

To retrieve daily weather sensor statistics by month for the entire Water Year at each weather station, use the internet link below:
https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2023.xlsx

Fountain Hills Fire Station Weather Station

Meta Data Summary

Fountain Hills, Arizona

Date of Station Installation: 12/09/1993

Weather Sensor Installation: 07/23/1997



State: Arizona

County: Maricopa

Latitude: 33 36' 40.0" (33.6111)

Longitude: 111 43' 30.6" (-111.7251)

TRS: T3N-R6E-Section 15

Location: At Palisades Blvd. Fire Station

Time Zone: MST – all year

Data Repeater: Mt. Ord

Elevation: 1,675 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 23

Archived: Yes, from date of sensor installation

Site Description: flat ground, Soil type – dirt

Obstructions: Structure 25' to NNW of station

Equipment operates in the NWS ALERT Format. Transmission to the Flood Control District of Maricopa County via VHF radio. Detailed sensor information and additional photographs, next page.

Detailed Sensor Data

Sensor	ID #	Data Begins	Type	Manufacturer	Model	Height AGL (ft)	Units	Frequency of Data
Rain	7670 0	11/15/92	Tipping Bucket	Hydrolynx	5050P	9.9	mm	Variable
Temperature	7670 1	07/23/97	Transducer, Radiation Shield	Hydrolynx	2048, 4550	10.6	deg F/C	15 minutes
Relative Humidity	7670 2	07/23/97	Polymer film, Radiation Shield	Hydrolynx	2048, 4550	10.6	%	15 minutes
Dewpoint (calculated)	7671 6	01/02/03	---	---	---	---	deg F	15 minutes



Water Year 2023 Weather Climate Summary Reports
Weather Station: Fountain Hills Fire Station (FHF)

Months	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°	Monthly Mean Temp °F
	°F	Date	°F	Date	°F	°F	Date	Total	Total	Total	Total	
October	96	10/3	46	10/26	72.9	64	10/15	0	0	10	0	72.9
November	79	11/1	37	11/27	56.1	56	11/2	0	0	0	0	56.1
December	74	12/25	33	12/14	51.6	59	12/4	0	0	0	0	51.6
January	72	1/13	29	1/24	49.6	51	1/1	0	0	0	2	49.6
February	76	2/12	31	2/16	52.4	50	2/21	0	0	0	1	52.4
March	79	3/29	33	3/2	56.9	55	3/15	0	0	0	0	56.9
April	99	4/30	38	4/5	71.1	43	4/11	0	0	8	0	71.1
May	100	5/16	52	5/5	80.0	63	5/17	0	1	23	0	80.0
June	109	6/26	62	6/7	86.4	50	6/28	0	15	30	0	86.4
July	116	7/19	75	7/1	100.2	69	7/26	22	31	31	0	100.2
August	114	8/28	74	8/21	95.2	73	8/21	9	28	30	0	95.2
September	112	9/9	64	9/21	86.9	70	9/1	2	14	30	0	86.9

	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°	
2023 Totals	116	7/19	29	1/24	71.6	73	8/21	33	89	162	3

First 100F day: 05/16/2023

Last 100F day: 09/27/2022

First 90F day: 10/01/2022

Last 90F day: 09/30/2023

To retrieve daily weather sensor statistics by month for the entire Water Year at each weather station, use the internet link below:
https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2023.xlsx

G & F Woolsey Peak Weather Station

Meta Data Summary

Arlington, Arizona

Date of Station Installation: 06/25/2003

Weather Sensor Installation: 06/25/2003



State: Arizona

County: Maricopa

Latitude: 33 10' 23.7" (33.1733)

Longitude: 112 52' 50.5" (-112.8807)

TRS: T3S-R6W-Section 9

Location: 8 miles southwest of Gillespie Dam

Time Zone: MST – all year

Data Repeater: White Tank Peak

Elevation: 2,005 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 27

Archived: Yes, from date of sensor installation

Site Description: fairly flat ground, Soil type –rock

Obstructions: Rock wall 10' to E of station

Equipment operates in the NWS ALERT Format. Transmission to the Flood Control District of Maricopa County via VHF radio. Detailed sensor information and additional photographs, next page.

Flood Control District of Maricopa County

Detailed Sensor Data

Sensor	ID #	Data Begins	Type	Manufacturer	Model	Height AGL (ft)	Units	Frequency of Data
Rain	23200	06/25/03	Tipping Bucket	Hydrolynx	5050P	10.2	mm	Variable
Temperature	23201	06/26/03	Probe, Radiation Shield	Vaisala, Hydrolynx	HMP155, 4550	10.2	deg F/C	15 minutes
Relative Humidity	23202	06/26/03	Probe, Radiation Shield	Vaisala, Hydrolynx	HMP155, 4550	10.2	%	15 minutes
Dewpoint (calculated)	23216	06/27/03	---	---	---	---	deg F	15 minutes



Water Year 2023 Weather Climate Summary Reports
Weather Station: G&F Woolsey Peak (GWP)

Months	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°	Monthly Mean Temp °F
	°F	Date	°F	Date	°F	°F	Date	Total	Total	Total	Total	
October	92	10/14	61	10/24	78.1	71	10/15	0	0	7	0	78.1
November	80	11/1	57	11/4	65.8	65	11/9	0	0	0	0	65.8
December	73	12/25	51	12/14	62.4	68	12/4	0	0	0	0	62.4
January	72	1/13	48	1/23	60.6	62	1/1	0	0	0	0	60.6
February	74	2/11	48	2/16	62.2	57	2/21	0	0	0	0	62.2
March	79	3/12	47	3/2	66.3	65	3/15	0	0	0	0	66.3
April	96	4/30	54	4/4	77.1	53	4/14	0	0	7	0	77.1
May	95	5/15	63	5/10	81.2	57	5/19	0	0	18	0	81.2
June	101	6/30	71	6/1	86.2	57	6/28	0	1	22	0	86.2
July	106	7/15	79	7/31	95.8	70	7/31	0	30	31	0	95.8
August	105	8/28	75	8/19	91.8	72	8/19	0	15	27	0	91.8
September	103	9/9	75	9/30	87.5	74	9/1	0	3	28	0	87.5

	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°
2023 Totals	106	7/15	47	3/2	76.2	74	9/1	0	49	140	0

First 100F day: 06/30/2023

Last 100F day: 09/10/2022

First 90F day: 10/01/2022

Last 90F day: 09/29/2023

To retrieve daily weather sensor statistics by month for the entire Water Year at each weather station, use the internet link below:
https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2023.xlsx

Gateway Community College Weather Station

Meta Data Summary

Phoenix, Arizona

Date of Station Installation: 12/16/2003

Weather Sensor Installation: 09/10/2004



State: Arizona

County: Maricopa

Latitude: 33 27' 03.7" (33.4510)

Longitude: 111 59' 44.0" (-111.9955)

TRS: T1N-R3E-Section 12

Location: 40th St at Van Buren

Time Zone: MST – all year

Data Repeater: Thompson Peak

Elevation: 1,140 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 23

Archived: Yes, from date of sensor installation

Site Description: flat ground near asphalt parking lot, Soil type – gravel

Obstructions: No obstructions

Equipment operates in the NWS ALERT Format. Transmission to the Flood Control District of Maricopa County via VHF radio. Detailed sensor information and additional photographs, next page.

Flood Control District of Maricopa County

Detailed Sensor Data

Sensor	ID #	Data Begins	Type	Manufacturer	Model	Height AGL (ft)	Units	Frequency of Data
Rain	3000	12/16/03	Tipping Bucket	Hydrolynx	5050P	10.4	mm	Variable
Temperature	3001	09/10/04	Capacitive Ceramic THERMOCAP	Vaisala	WXT510	12.0	deg F/C	15 minutes
Relative Humidity	3002	09/10/04	Film Polymer HUMICAP	Vaisala	WXT510	12.0	%	15 minutes
Dewpoint (calculated)	3016	09/10/04	---	---	---	---	deg F	15 minutes
Wind Speed	3004	07/23/20	Wind transducers (3 pcs)	Vaisala	WXT510	12.0	mph	15 minutes
Wind Direction	3005	07/23/20	Wind transducers (3 pcs)	Vaisala	WXT510	12.0	deg	15 minutes
Peak Wind	3006	07/23/20	---	---	---	---	mph	15 minutes



Water Year 2023 Weather Climate Summary Reports
Weather Station: Gateway Community College (GCC)

Months	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°	Monthly Mean Temp	Monthly Mean Wind
	°F	Date	°F	Date	°F	°F	Date	MPH	Date	MPH	Total	Total	Total	Total	°F	MPH
October	96	10/3	49	10/25	75.4	69	10/15	29	10/3	2.2	0	0	11	0	77.7	3.6
November	80	11/1	42	11/12	58.9	57	11/9	23	11/17	1.9	0	0	0	0	60.7	2.6
December	72	12/1	34	12/15	55.7	61	12/4	19	12/17	0.6	0	0	0	0	55.6	2.1
January	75	1/13	34	1/23	54.4	55	1/16	22	1/25	1.1	0	0	0	0	54.4	2.8
February	76	2/12	35	2/15	56.7	50	2/26	43	2/25	3.0	0	0	0	0	57.6	4.2
March	81	3/29	39	3/1	61.4	59	3/15	46	3/19	2.0	0	0	0	0	62.7	3.6
April	103	4/30	41	4/5	75.0	44	4/15	57	4/4	2.1	0	2	13	0	75.8	3.6
May	102	5/16	55	5/5	81.9	64	5/16	78	5/19	2.2	0	4	22	0	83.7	4.0
June	108	6/26	64	6/7	87.7	50	6/28	47	6/28	1.8	0	15	29	0	88.2	3.4
July	116	7/15	81	7/31	101.0	70	7/31	60	7/3	2.0	22	31	31	0	101.5	4.2
August	114	8/28	73	8/31	96.7	71	8/7	69	8/22	2.5	11	26	29	0	97.3	4.2
September	112	9/9	69	9/21	89.4	75	9/1	62	9/19	1.8	2	18	30	0	89.6	3.2

	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°
2023 Totals	117	7/25	36	12/17	75.4	69	9/2	44	8/31	3.5	37	106	168	0

First 100F day: 04/11/2023
 Last 100F day: 09/29/2023
 First 90F day: 10/01/2022
 Last 90F day: 09/30/2023

To retrieve daily weather sensor statistics by month for the entire Water Year at each weather station, use the internet link below:
https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2023.xlsx

Gila Bend Landfill Weather Station

Meta Data Summary

Gila Bend, Arizona

Date of Station Installation: 04/07/1993

Weather Sensor Installation: 01/17/2002



State: Arizona

County: Maricopa

Latitude: 32° 59' 21.5" (32.9893)

Longitude: 112° 40' 30.5" (-112.6751)

TRS: T5S-R4W-Section 16

Location: 3 miles north of the Interstate of US 80 and I-8

Time Zone: MST – all year

Data Repeater: Waterman Wash

Elevation: 735 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 27

Archived: Yes, from date of sensor installation

Site Description: flat ground, Soil type – dirt

Obstructions: No Obstructions

Equipment operates in the NWS ALERT Format. Transmission to the Flood Control District of Maricopa County via VHF radio. Detailed sensor information and additional photographs, next page.

Detailed Sensor Data

Sensor	ID #	Data Begins	Type	Manufacturer	Model	Height AGL (ft)	Units	Frequency of Data
Rain	42500	04/07/93	Tipping Bucket	Hydrolynx	5050P	9.8	mm	Variable
Temperature	42501	01/17/02	Probe, Radiation Shield	Vaisala, Hydrolynx	HMP155, 4550	8.7	deg F/C	15 minutes
Relative Humidity	42502	01/17/02	Probe, Radiation Shield	Vaisala, Hydrolynx	HMP155, 4550	8.7	%	15 minutes
Dewpoint (calculated)	42516	01/18/02	---	---	---	---	deg F	15 minutes
Wind Speed	42504	01/17/02	Mechanical Wind Sensors	Young	5108	9.6	mph	15 minutes
Wind Direction	42505	01/17/02	Mechanical Wind Sensors	Young	5108	9.6	deg	15 minutes
Peak Wind	42506	01/17/02	---	---	---	---	mph	15 minutes
Solar Radiation	42511	01/17/02	Silicon photovoltaic cell	Hydrolynx	4015	9.5	watt/sq m	30 minutes



Water Year 2023 Weather Climate Summary Reports
Weather Station: Gila Bend Landfill (GBL)

Months	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°	Monthly Mean Temp	Monthly Mean Wind
	°F	Date	°F	Date	°F	°F	Date	MPH	Date	MPH	Total	Total	Total	Total	°F	MPH
October	100	10/14	49	10/25	76.0	67	10/2	40	10/3	4.7	0	1	18	0	76.0	4.7
November	86	11/1	36	11/23	57.9	60	11/9	43	11/3	4.5	0	0	0	0	57.9	4.5
December	75	12/25	33	12/14	53.2	62	12/4	29	12/12	3.6	0	0	0	0	53.2	3.6
January	79	1/13	35	1/25	53.9	57	1/15	35	1/10	4.2	0	0	0	0	53.9	4.2
February	81	2/12	35	2/16	56.4	53	1/31	38	2/22	5.5	0	0	0	0	56.4	5.5
March	86	3/29	41	3/3	60.6	58	3/15	37	3/1	4.5	0	0	0	0	60.6	4.5
April	104	4/30	41	4/5	74.9	49	4/15	34	4/3	4.8	0	5	19	0	74.9	4.8
May	103	5/15	53	5/4	80.2	59	5/18	44	5/31	5.4	0	10	23	0	80.2	5.4
June	109	6/26	58	6/7	85.7	56	6/28	42	6/18	5.0	0	17	30	0	85.7	5.0
July	118	7/20	75	7/1	99.8	71	7/30	38	7/30	5.6	27	31	31	0	99.8	5.6
August	117	8/28	73	8/19	95.7	73	8/18	35	8/31	5.3	15	26	28	0	95.7	5.3
September	114	9/9	63	9/29	87.2	74	9/1	33	9/30	4.2	2	22	30	0	87.2	4.2

	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°
2023 Totals	118	7/20	33	12/14	73.5	74	9/1	44	8/31	4.8	44	112	179	0

First 100F day: 10/14/2022
 Last 100F day: 09/29/2023
 First 90F day: 10/01/2022
 Last 90F day: 09/30/2023

To retrieve daily weather sensor statistics by month for the entire Water Year at each weather station, use the internet link below:
https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2023.xlsx

Gila Bend Mountains Weather Station

Meta Data Summary

Gila Bend, Arizona

Date of Station Installation: 06/01/1988

Weather Sensor Installation: 06/01/1988



State: Arizona

County: Maricopa

Latitude: 33° 14' 29.0" (33.2414)

Longitude: 113° 12' 18.1" (-113.2050)

TRS: T2S-R9W-Section 17

Location: 16 miles NW of Painted Rock Dam off Agua Caliente Road

Time Zone: MST – all year

Data Repeater: Mt. Oatman

Elevation: 1,575 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 27

Archived: Yes, from date of sensor installation

Site Description: flat ground, Soil type – gravel/small shrubs

Obstructions: No Obstructions

Equipment operates in the NWS ALERT Format. Transmission to the Flood Control District of Maricopa County via VHF radio. Detailed sensor information and additional photographs, next page.

Flood Control District of Maricopa County

Detailed Sensor Data

Sensor	ID #	Data Begins	Type	Manufacturer	Model	Height AGL (ft)	Units	Frequency of Data
Rain	41500	Since 09/28/92 09/28/92- 06/01/88	Tipping Bucket	Hydrolynx	5050P	10.4	mm	Variable
Temperature	41501	06/01/88	Transducer, Radiation Shield	Hydrolynx	2048, 4550	11.5	deg F/C	15 minutes
Relative Humidity	41502	06/01/88	Polymer film, Radiation Shield	Hydrolynx	2048, 4550	11.5	%	15 minutes
Dewpoint (calculated)	41516	07/08/94	---	---	---	---	deg F	15 minutes
Wind Speed	41504	06/01/88	3-cup	Hydrolynx	5050WS	10.7	mph	15 minutes
Wind Direction	41505	05/01/01	Pointer	Hydrolynx	5050WD	10.6	deg	15 minutes
Peak Wind	41506	08/17/93	---	---	---	---	mph	15 minutes
Solar Radiation	41511	05/24/94	Silicon photovoltaic cell	Hydrolynx	4015	11.1	watt/sq m	30 minutes
Barometric Pressure	41503	06/01/88	Solid state	Hydrolynx	1522	7.7	mb, inHg	30 minutes



Water Year 2023 Weather Climate Summary Reports
Weather Station: Gila Bend Mountains (GBM)

Months	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°	Monthly Mean Temp	Monthly Mean Wind
	°F	Date	°F	Date	°F	°F	Date	MPH	Date	MPH	Total	Total	Total	Total	°F	MPH
October	97	10/13	53	10/24	75.8	66	10/2	29	10/18	5.7	0	0	10	0	75.8	5.7
November	82	11/1	46	11/4	60.6	60	11/9	23	11/3	5.3	0	0	0	0	60.6	5.3
December	77	12/26	39	12/14	57.3	61	12/4	21	12/3	4.3	0	0	0	0	57.3	4.3
January	75	1/10	38	1/24	55.5	59	1/1	28	1/13	5.3	0	0	0	0	55.5	5.3
February	75	2/19	36	2/15	56.0	50	2/21	37	2/10	5.9	0	0	0	0	56.0	5.9
March	82	3/14	36	3/2	61.3	58	3/15	29	3/1	3.7	0	0	0	0	61.3	3.7
April	103	4/30	45	4/4	75.2	48	4/14	29	4/29	4.1	0	1	14	0	75.2	4.1
May	103	5/16	57	5/10	81.0	63	5/19	39	5/16	2.4	0	6	23	0	81.0	2.4
June	110	6/30	64	6/12	87.1	57	6/28	19	6/11	1.7	1	17	29	0	87.1	1.7
July	118	7/15	77	7/31	99.8	70	7/31	27	7/30	2.0	23	31	31	0	99.8	2.0
August	115	8/29	72	8/19	95.1	74	8/7	39	8/16	3.7	10	26	29	0	95.1	3.7
September	113	9/9	70	9/30	88.8	73	9/1	28	9/1	2.9	2	19	30	0	88.8	2.9

	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°
2023 Totals	118	7/15	36	2/15	74.5	74	8/7	39	5/16	3.9	36	100	166	0

First 100F day: 04/30/2023
 Last 100F day: 09/29/2023
 First 90F day: 10/01/2022
 Last 90F day: 09/30/2023

To retrieve daily weather sensor statistics by month for the entire Water Year at each weather station, use the internet link below:
https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2023.xlsx

Horseshoe Lake Weather Station

Meta Data Summary

Horseshoe Lake, Arizona

Date of Station Installation: 09/06/2000

Weather Sensor Installation: 09/06/2000



State: Arizona

County: Maricopa

Latitude: 33° 59' 08.4" (33.9857)

Longitude: 111° 43' 15.5" (-111.7210)

TRS: T7N-R6E-Section 09

Location: Horseshoe Lake – SW corner near boat ramp

Time Zone: MST – all year

Data Repeater: Humboldt Mountain

Elevation: 2,065 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 24

Archived: Yes, from date of sensor installation

Site Description: flat ground, Soil type – gravel/small shrubs

Obstructions: No Obstructions

Equipment operates in the NWS ALERT Format. Transmission to the Flood Control District of Maricopa County via VHF radio. Detailed sensor information and additional photographs, next page.

Detailed Sensor Data

Sensor	ID #	Data Begins	Type	Manufacturer	Model	Height AGL (ft)	Units	Frequency of Data
Rain	82500	09/06/00	Tipping Bucket	Hydrolynx	5050P	12.0	mm	Variable
Temperature	82501	09/07/00	Probe, Radiation Shield	Vaisala, Hydrolynx	HMP155, 4550	10.8	deg F/C	15 minutes
Relative Humidity	82502	09/06/00	Probe, Radiation Shield	Vaisala, Hydrolynx	HMP155, 4550	10.8	%	15 minutes
Dewpoint (calculated)	82516	09/14/00	---	---	---	---	deg F	15 minutes
Wind Speed	82504	09/08/00	3-cup	Hydrolynx	5050WS	12.2	mph	15 minutes
Wind Direction	82505	09/13/00	Pointer	Hydrolynx	5050WD	12.0	deg	15 minutes
Peak Wind	82506	09/13/00	---	---	---	---	mph	15 minutes
Solar Radiation	82511	09/13/00	Silicon photovoltaic cell	Hydrolynx	4015	12.0	watt/sq m	30 minutes
Barometric Pressure	82503	09/13/00	Solid state	Hydrolynx	1522	3.1	mb, inHg	30 minutes



Water Year 2023 Weather Climate Summary Reports
Weather Station: Horseshoe Lake (HSL)

Months	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°	Monthly Mean Temp	Monthly Mean Wind
	°F	Date	°F	Date	°F	°F	Date	MPH	Date	MPH	Total	Total	Total	Total	°F	MPH
October	96	10/1	45	10/25	71.5	66	10/5	31	10/3	2.6	0	0	9	0	71.5	2.6
November	80	11/1	36	11/26	55.4	56	11/9	24	11/24	3.2	0	0	0	0	55.4	3.2
December	78	12/26	29	12/14	51.1	61	12/5	17	12/12	2.1	0	0	0	3	51.1	2.1
January	74	1/13	31	1/24	49.3	55	1/1	20	1/1	2.7	0	0	0	3	49.3	2.7
February	77	2/4	32	2/16	51.9	55	2/21	26	2/9	3.7	0	0	0	2	51.9	3.7
March	77	3/10	36	3/1	55.8	58	3/11	21	3/22	3.1	0	0	0	0	55.8	3.1
April	100	4/30	36	4/5	69.4	54	4/30	22	4/3	3.2	0	1	8	0	69.4	3.2
May	99	5/15	50	5/5	78.1	61	5/16	27	5/18	3.5	0	0	23	0	78.1	3.5
June	109	6/26	59	6/10	84.6	58	6/20	20	6/11	3.4	0	15	29	0	84.6	3.4
July	117	7/15	74	7/1	100.5	69	7/16	20	7/31	2.9	17	27	27	0	100.5	2.9
August	112	8/5	73	8/22	92.9	71	8/17	27	8/15	3.5	7	29	30	0	92.9	3.5
September	112	9/9	63	9/30	84.4	67	9/1	37	9/12	2.8	2	12	30	0	84.4	2.8

	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°
2023 Totals	117	7/15	29	12/14	70.4	71	8/17	37	9/12	3.1	26	84	156	8

First 100F day: 04/30/2023
 Last 100F day: 09/27/2023
 First 90F day: 10/01/2022
 Last 90F day: 09/30/2023

To retrieve daily weather sensor statistics by month for the entire Water Year at each weather station, use the internet link below:
https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2023.xlsx

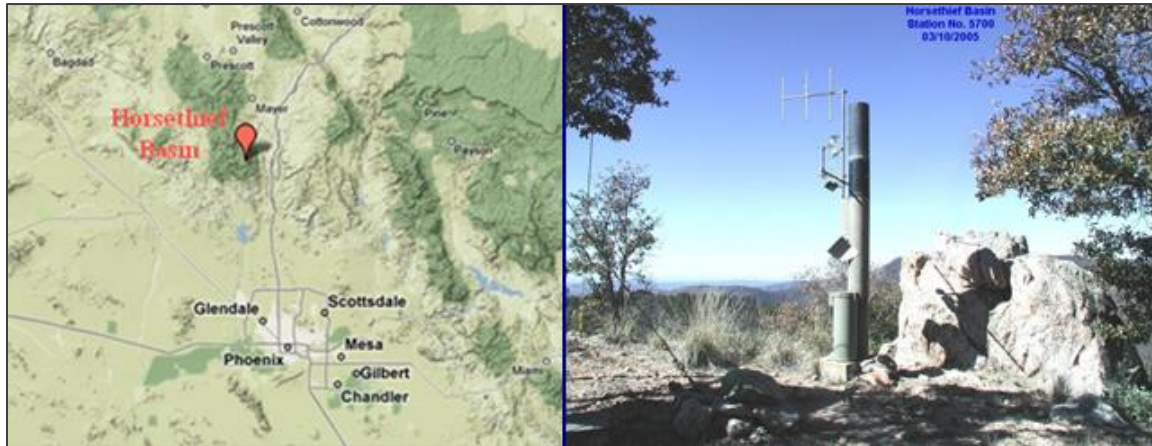
Horsethief Basin Weather Station

Meta Data Summary

Crown King, Arizona

Date of Station Installation: 11/24/1986

Weather Sensor Installation: 12/21/1987



State: Arizona

County: Yavapai

Latitude: 34° 09' 44.6" (34.1624)

Longitude: 112° 16' 14.1" (-112.2705)

TRS: T9N-R1E-Section 33

Location: At Horsethief Basin Recreation Area 6 miles SE of Crown King

Time Zone: MST – all year

Data Repeater: Direct

Elevation: 6,710 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Flagstaff, 08

Archived: Yes, from date of sensor installation

Site Description: flat ground, Soil type – dirt, rocks, small shrubs

Obstructions: 40' fire lookout tower 20' to NE of station

Equipment operates in the NWS ALERT Format. Transmission to the Flood Control District of Maricopa County via VHF radio. Detailed sensor information and additional photographs, next page.

Detailed Sensor Data

Sensor	ID #	Data Begins	Type	Manufacturer	Model	Height AGL (ft)	Units	Frequency of Data
Rain	16000	Since 09/25/92 10/01/87-09/25/92 07/01/81-10/01/87	Tipping Bucket	Hydrolynx	5050P	12.9	mm	Variable
Temperature	16001	12/21/87	Transducer, Radiation Shield	Hydrolynx	2048, 4550	10.4	deg F/C	15 minutes
Relative Humidity	16002	12/21/87	Polymer film, Radiation Shield	Hydrolynx	2048, 4550	10.4	%	15 minutes
Dewpoint (calculated)	16016	07/08/94	---	---	---	---	deg F	15 minutes
Wind Speed	16004	12/21/87	3-cup	Hydrolynx	5050WS	10.3	mph	15 minutes
Wind Direction	16005	05/01/01	Pointer	Hydrolynx	5050WD	10.1	deg	15 minutes
Peak Wind	16006	07/19/93	---	---	---	---	mph	15 minutes
Solar Radiation	16011	12/03/87	Silicon photovoltaic cell	Hydrolynx	4015	12.3	watt/sq m	30 minutes
Barometric Pressure	16003	04/08/93	Solid state	Hydrolynx	1522	6.8	mb, inHg	30 minutes



Water Year 2023 Weather Climate Summary Reports
Weather Station: Horsethief Basin (HOR)

Months	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°	Monthly Mean Temp	Monthly Mean Wind
	°F	Date	°F	Date	°F	°F	Date	MPH	Date	MPH	Total	Total	Total	Total	°F	MPH
October	80	10/13	35	10/24	61.1	61	10/2	42	10/23	3.6	0	0	0	0	61.1	3.6
November	65	11/1	31	11/16	47.1	51	11/2	33	11/9	6.0	0	0	0	3	47.1	6.0
December	67	12/26	26	12/13	45.1	55	12/4	40	12/28	5.8	0	0	0	6	45.1	5.8
January	46	12/30	31	1/2	38.8	46	1/1	40	1/17	6.7	0	0	0	1	38.8	6.7
February	M	M	M	M	M	M	M	50	2/22	6.3	0	0	0	0	M	6.3
March	30	3/3	3	3/8	24.7	5	3/3	32	3/15	12.4	0	0	0	15	24.7	12.4
April	79	4/29	38	4/20	59.4	35	4/25	26	4/19	6.4	0	0	0	0	59.4	6.4
May	76	5/15	39	5/5	59.2	50	5/19	36	5/4	6.3	0	0	0	0	59.2	6.3
June	84	6/26	49	6/1	66.2	43	6/17	36	6/18	6.7	0	0	0	0	66.2	6.7
July	97	7/15	64	7/17	80.1	58	7/18	24	7/7	5.7	0	0	17	0	80.1	5.7
August	92	8/28	58	8/18	74.5	65	8/28	30	8/7	4.4	0	0	3	0	74.5	4.4
September	91	9/9	51	9/30	68.1	68	9/9	30	9/30	5.5	0	0	1	0	68.1	5.5

	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°
2023 Totals	97	7/15	3	3/8	52.0	68	9/9	50	2/22	6.3	0	0	21	25

First 100F day: N/A
 Last 100F day: N/A
 First 90F day: 07/02/2022
 Last 90F day: 09/09/2023

To retrieve daily weather sensor statistics by month for the entire Water Year at each weather station, use the internet link below:
https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2023.xlsx

Humboldt Mountain Weather Station

Meta Data Summary

Cave Creek, Arizona

Date of Station Installation: 07/14/1981

Weather Sensor Installation: 06/13/1996



State: Arizona

County: Maricopa

Latitude: 33° 58' 50.7" (33.98075)

Longitude: 111° 47' 52.6" (-111.79794)

TRS: T7N-R5E-Section 01

Location: 13 miles NE of the Town of Cave Creek

Time Zone: MST – all year

Data Repeater: Direct

Elevation: 5,205 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 24

Archived: Yes, from date of sensor installation

Site Description: Sloped near top of ridge, Soil type – dirt, small shrubs

Obstructions: No obstructions

Equipment operates in the NWS ALERT Format. Transmission to the Flood Control District of Maricopa County via VHF radio. Detailed sensor information and additional photographs, next page.

Flood Control District of Maricopa County

Detailed Sensor Data

Sensor	ID #	Data Begins	Type	Manufacturer	Model	Height AGL (ft)	Units	Frequency of Data
Rain	1200	Since 03/09/93 06/10/92-03/09/93 10/01/87-06/10/92 07/14/81-10/01/87	Tipping Bucket	Hydrolynx	5050P	12.9	mm	Variable
Temperature	1201	06/13/96	Probe, Radiation Shield	Vaisala, Hydrolynx	HMP155, 4550	10.4	deg F/C	15 minutes
Relative Humidity	1202	06/12/96	Probe, Radiation Shield	Vaisala, Hydrolynx	HMP155, 4550	10.4	%	15 minutes
Dewpoint (calculated)	1216	01/01/03	---	---	---	---	deg F	15 minutes



**Water Year 2023 Weather Climate Summary Reports
Weather Station: Humboldt Mountain (HUM)**

Months	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°	Monthly Mean Temp °F
	°F	Date	°F	Date	°F	°F	Date	Total	Total	Total	Total	
October	82	10/1	38	10/24	63.5	55	10/15	0	0	0	0	63.5
November	65	11/7	33	11/3	49.3	48	11/9	0	0	0	0	49.3
December	70	12/26	28	12/14	46.5	54	12/4	0	0	0	6	46.5
January	61	1/7	27	1/23	42.4	45	12/31	0	0	0	6	42.4
February	63	2/4	24	2/15	43.8	44	2/21	0	0	0	7	43.8
March	67	3/16	26	3/2	47.5	65	3/16	0	0	0	3	47.5
April	85	4/29	30	4/4	61.5	38	4/11	0	0	0	1	61.5
May	83	5/16	49	5/5	66.4	54	5/17	0	0	0	0	66.4
June	91	6/30	54	6/12	72.6	47	6/3	0	0	2	0	72.6
July	101	7/15	66	7/31	85.4	62	7/17	0	4	29	0	85.4
August	98	8/28	60	8/31	80.0	62	8/7	0	0	14	0	80.0
September	96	9/9	59	9/12	74.5	62	9/1	0	0	5	0	74.5

	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°	
2023 Totals	101	7/15	24	2/15	61.1	65	3/16	0	4	50	23

First 100F day: 07/15/2023

Last 100F day: 07/26/2023

First 90F day: 06/26/2023

Last 90F day: 09/10/2023

To retrieve daily weather sensor statistics by month for the entire Water Year at each weather station, use the internet link below:
https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2023.xlsx

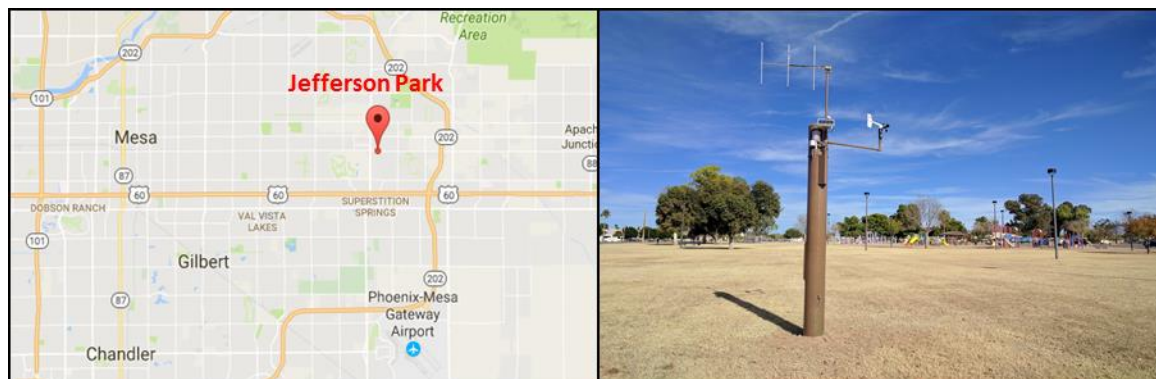
Jefferson Park Weather Station

Meta Data Summary

Mesa, Arizona

Date of Station Installation: 12/21/2016

Weather Sensor Installation: 12/21/2016



State: Arizona

County: Maricopa

Latitude: 33° 24' 29.5" (33.4081)

Longitude: 111° 40' 47.9" (-111.6799)

TRS: T1N-R7E-Section 19

Location: SW side of Jefferson Park, just N of Broadway Rd

Time Zone: MST – all year

Data Repeater: Direct

Elevation: 1,395 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 23

Archived: Yes, from date of sensor installation

Site Description: Flat ground, Soil type –grass

Obstructions: No obstructions

Equipment operates in the NWS ALERT Format. Transmission to the Flood Control District of Maricopa County via VHF radio. Detailed sensor information and additional photographs, next page.

Flood Control District of Maricopa County

Detailed Sensor Data

Sensor	ID #	Data Begins	Type	Manufacturer	Model	Height AGL (ft)	Units	Frequency of Data
Rain	34900	12/21/16	Tipping Bucket	Hydrolynx	5050P	12.0	mm	Variable
Temperature	34901	12/21/16	Probe, Radiation Shield	Vaisala, Hydrolynx	HMP155, 4550	11.0	deg F/C	15 minutes
Relative Humidity	34902	12/21/16	Probe, Radiation Shield	Vaisala, Hydrolynx	HMP155, 4550	11.0	%	15 minutes
Dewpoint (calculated)	34916	12/21/16	---	---	---	---	deg F	15 minutes
Wind Speed	34904	12/21/16	Mechanical Wind	Young	5108	12.2	mph	15 minutes
Wind Direction	34905	12/21/16	Sensors	Young	5108	12.2	deg	15 minutes
Peak Wind	34906	12/21/16	---	---	---	---	mph	15 minutes



Water Year 2023 Weather Climate Summary Reports
Weather Station: Jefferson Park (JNP)

Months	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°	Monthly Mean Temp	Monthly Mean Wind
	°F	Date	°F	Date	°F	°F	Date	MPH	Date	MPH	Total	Total	Total	Total	°F	MPH
October	98	10/3	49	10/25	75.5	66	10/15	36	10/3	1.3	0	0	15	0	75.5	1.3
November	77	11/8	37	11/15	56.1	54	11/2	24	11/3	1.1	0	0	0	0	56.1	1.1
December	72	12/1	32	12/14	51.3	60	12/4	15	12/12	0.6	0	0	0	3	51.3	0.6
January	74	1/12	30	1/24	49.9	52	1/1	22	1/1	1.1	0	0	0	3	49.9	1.1
February	76	2/12	35	2/16	54.2	51	2/21	33	2/22	2.0	0	0	0	0	54.2	2.0
March	81	3/29	38	3/2	60.5	55	3/15	42	3/1	1.4	0	0	0	0	60.5	1.4
April	100	4/30	39	4/5	73.3	37	4/10	29	4/4	1.7	0	1	11	0	73.3	1.7
May	101	5/15	58	5/5	81.6	57	5/18	23	5/16	2.1	0	3	24	0	81.6	2.1
June	108	6/25	66	6/24	86.7	50	6/28	24	6/11	1.5	0	14	28	0	86.7	1.5
July	114	7/19	79	7/31	99.3	71	7/26	28	7/26	1.9	19	31	31	0	99.3	1.9
August	112	8/28	75	8/31	95.4	72	8/21	40	8/17	1.9	4	28	30	0	95.4	1.9
September	110	9/9	68	9/21	88.0	69	8/31	37	9/12	1.4	1	17	30	0	88.0	1.4

	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°
2023 Totals	114	7/19	30	1/24	72.7	72	8/21	42	3/1	1.5	24	94	169	6

First 100F day: 04/30/2023
 Last 100F day: 09/29/2023
 First 90F day: 10/01/2022
 Last 90F day: 09/30/2023

To retrieve daily weather sensor statistics by month for the entire Water Year at each weather station, use the internet link below:
https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2023.xlsx

Jomax Rd @ 70th St Weather Station

Meta Data Summary

Scottsdale, Arizona

Date of Station Installation: 05/06/1993

Weather Sensor Installation: 06/26/1997



State: Arizona

County: Maricopa

Latitude: 33° 43' 37.1" (33.72696)

Longitude: 111° 53' 49.5" (-111.93041)

TRS: T5N-R4E-Section 36

Location: Just N of Pima Road west of 70th St

Time Zone: MST – all year

Data Repeater: Direct

Elevation: 2,010 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 23

Archived: Yes, from date of sensor installation

Site Description: flat ground, desert, soil type –gravel/packed clay

Obstructions: No Obstructions

Equipment operates in the NWS ALERT Format. Transmission to the Flood Control District of Maricopa County via VHF radio. Detailed sensor information and additional photographs, next page.

Flood Control District of Maricopa County

Detailed Sensor Data

Sensor	ID #	Data Begins	Type	Manufacturer	Model	Height AGL (ft)	Units	Frequency of Data
Rain	60800	05/06/93	Tipping Bucket	Hydrolynx	5050P	11.0	mm	Variable
Temperature	60801	06/26/97	Transducer, Radiation Shield	Hydrolynx	2048, 4550	9.5	deg F/C	15 minutes
Relative Humidity	60802	06/26/97	Polymer film, Radiation Shield	Hydrolynx	2048, 4550	9.5	%	15 minutes
Dewpoint (calculated)	60816	06/26/97	---	---	---	---	deg F	15 minutes
Wind Speed	60804	06/26/97	Mechanical Wind	Young	5108	10.8	mph	15 minutes
Wind Direction	60805	05/01/01	Sensors	Young	5108	10.9	deg	15 minutes
Peak Wind	60806	06/26/97	---	---	---	---	mph	15 minutes
Solar Radiation	60811	06/26/97	Silicon photovoltaic cell	Hydrolynx	4015	9.8	watt/sq m	30 minutes
Barometric Pressure	60803	06/26/97	Solid state	Hydrolynx	1522	2.0	mb, inHg	30 minutes



Water Year 2023 Weather Climate Summary Reports
Weather Station: Jomax @70th (JMX)

Months	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°	Monthly Mean Temp	Monthly Mean Wind
	°F	Date	°F	Date	°F	°F	Date	MPH	Date	MPH	Total	Total	Total	Total	°F	MPH
October	96	10/3	51	10/25	74.2	65	10/15	19	10/3	2.1	0	0	11	0	74.2	2.1
November	78	11/1	40	11/4	58.1	55	11/9	14	11/3	2.2	0	0	0	0	58.1	2.2
December	75	12/26	35	12/14	53.6	61	12/4	11	12/11	1.6	0	0	0	0	53.6	1.6
January	75	1/13	32	1/24	51.8	54	1/1	15	1/1	2.1	0	0	0	1	51.8	2.1
February	76	2/12	34	2/16	54.8	51	2/21	23	2/22	2.7	0	0	0	0	54.8	2.7
March	78	3/12	37	3/2	58.2	56	3/15	16	3/1	2.2	0	0	0	0	58.2	2.2
April	98	4/30	41	4/4	71.8	42	4/25	17	4/3	2.3	0	0	10	0	71.8	2.3
May	98	5/16	52	5/6	77.4	57	5/17	18	5/1	2.7	0	0	19	0	77.4	2.7
June	104	6/26	60	6/1	83.1	48	6/28	17	6/11	2.4	0	11	27	0	83.1	2.4
July	114	7/19	75	7/1	97.3	65	7/31	29	7/26	2.3	13	30	30	0	97.3	2.3
August	112	8/28	72	8/21	92.6	69	8/16	22	8/31	2.5	4	26	29	0	92.6	2.5
September	109	9/9	63	9/21	84.8	68	9/1	17	9/11	2.2	0	9	30	0	84.8	2.2

	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°
2023 Totals	114	7/19	32	1/24	71.5	69	8/16	29	7/26	2.3	17	76	156	1

First 100F day: 06/18/2023
 Last 100F day: 09/27/2023
 First 90F day: 10/01/2022
 Last 90F day: 09/30/2023

To retrieve daily weather sensor statistics by month for the entire Water Year at each weather station, use the internet link below:
https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2023.xlsx

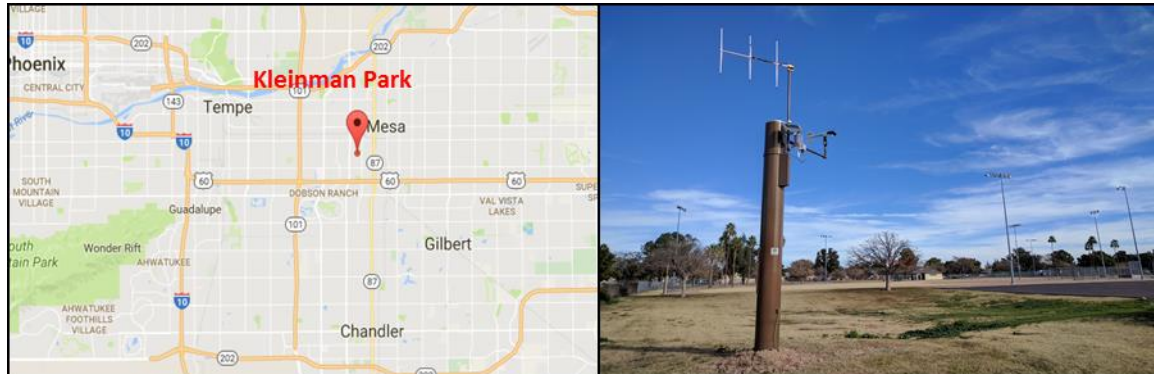
Kleinman Park Weather Station

Meta Data Summary

Mesa, Arizona

Date of Station Installation: 03/26/1991

Weather Sensor Installation: 12/21/2016



State: Arizona

County: Maricopa

Latitude: 33° 24' 02.2" (33.40062)

Longitude: 111° 51' 06.8" (-111.85189)

TRS: T1N-R5E-Section 28

Location: SW side of Kleinman Park, just N of 8th Ave

Time Zone: MST – all year

Data Repeater: Direct

Elevation: 1,215 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 23

Archived: Yes, from date of sensor installation

Site Description: Flat ground, Soil type –grass

Obstructions: No obstructions

Equipment operates in the NWS ALERT Format. Transmission to the Flood Control District of Maricopa County via VHF radio. Detailed sensor information and additional photographs, next page.

Flood Control District of Maricopa County

Detailed Sensor Data

Sensor	ID #	Data Begins	Type	Manufacturer	Model	Height AGL (ft)	Units	Frequency of Data
Rain	30800	03/26/91	Tipping Bucket	Hydrolynx	5050P	12.2	mm	Variable
Temperature	30801	12/21/16	Probe, Radiation Shield	Vaisala, Hydrolynx	HMP155, 4550	10.8	deg F/C	15 minutes
Relative Humidity	30802	12/21/16	Probe, Radiation Shield	Vaisala, Hydrolynx	HMP155, 4550	10.8	%	15 minutes
Dewpoint (calculated)	30816	12/21/16	---	---	---	---	deg F	15 minutes
Wind Speed	30804	12/21/16	Mechanical Wind	Young	5108	12.3	mph	15 minutes
Wind Direction	30805	12/21/16	Sensors	Young	5108	12.3	deg	15 minutes
Peak Wind	30806	12/21/16	---	---	---	---	mph	15 minutes



Water Year 2023 Weather Climate Summary Reports
Weather Station: Kleinman Park (KNP)

Months	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°	Monthly Mean Temp	Monthly Mean Wind
	°F	Date	°F	Date	°F	°F	Date	MPH	Date	MPH	Total	Total	Total	Total	°F	MPH
October	98	10/3	52	10/25	75.4	66	10/15	28	10/3	2.0	0	0	14	0	75.4	2.0
November	79	11/1	40	11/27	59.0	56	11/9	24	11/24	1.7	0	0	0	0	59.0	1.7
December	75	12/25	38	12/15	54.3	61	12/4	13	12/16	1.2	0	0	0	0	54.3	1.2
January	76	1/13	34	1/24	53.3	54	1/1	18	1/26	1.9	0	0	0	0	53.3	1.9
February	79	2/12	37	2/15	56.3	53	2/21	21	2/22	2.5	0	0	0	0	56.3	2.5
March	82	3/29	40	3/2	61.3	56	3/15	22	3/19	2.0	0	0	0	0	61.3	2.0
April	100	4/30	43	4/5	74.1	41	4/12	17	4/3	2.2	0	1	14	0	74.1	2.2
May	101	5/16	60	5/5	81.9	58	5/17	24	5/16	2.5	0	2	24	0	81.9	2.5
June	108	6/26	66	6/7	87.3	50	6/28	20	6/10	1.8	0	16	30	0	87.3	1.8
July	115	7/15	80	7/1	99.8	69	7/31	36	7/26	2.2	20	31	31	0	99.8	2.2
August	114	8/28	75	8/22	95.7	71	8/8	31	8/31	2.8	8	28	30	0	95.7	2.8
September	111	9/9	69	9/21	88.0	70	9/2	22	9/13	1.8	2	16	30	0	88.0	1.8

	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°
2023 Totals	115	7/15	34	1/24	73.9	71	8/8	36	7/26	2.1	30	94	173	0

First 100F day: 04/30/2023
 Last 100F day: 09/29/2023
 First 90F day: 10/01/2022
 Last 90F day: 09/30/2023

To retrieve daily weather sensor statistics by month for the entire Water Year at each weather station, use the internet link below:
https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2023.xlsx

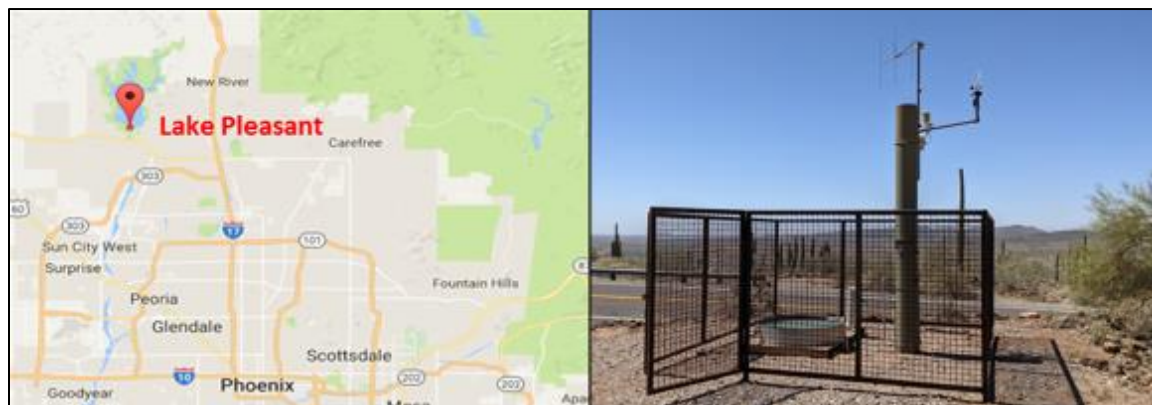
Lake Pleasant Weather Station

Meta Data Summary

Peoria, Arizona

Date of Station Installation: 11/13/2008

Weather Sensor Installation: 11/13/2008



State: Arizona

County: Maricopa

Latitude: 33° 50' 49.9" (33.84718)

Longitude: 112° 16' 41.7" (-112.27825)

TRS: T6N-R1E-Section 20

Location: South end of Lake Pleasant, near visitor's center

Time Zone: MST – all year

Data Repeater: Direct

Elevation: 1,825 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 23

Archived: Yes, from date of installation

Site Description: Flat ground, Soil type – dirt/rocks

Obstructions: No Obstructions

Equipment operates in the NWS ALERT Format. Transmission to the Flood Control District of Maricopa County via VHF radio. Detailed sensor information and additional photographs, next page.

Flood Control District of Maricopa County

Detailed Sensor Data

Sensor	ID #	Data Begins	Type	Manufacturer	Model	Height AGL (ft)	Units	Frequency of Data
Rain	15000	11/13/08	Tipping Bucket	Hydrolynx	5050P	11.5	mm	Variable
Temperature	15001	11/13/08	Transducer, Radiation Shield	Hydrolynx	2048, 4550	10.4	deg F/C	15 minutes
Relative Humidity	15002	11/13/08	Polymer film, Radiation Shield	Hydrolynx	2048, 4550	10.4	%	15 minutes
Dewpoint (calculated)	15016	11/13/08	---	---	---	---	deg F	15 minutes
Wind Speed	15004	11/13/08	Mechanical Wind	Young	5108	11.4	mph	15 minutes
Wind Direction	15005	11/13/08	Sensors	Young	5108	11.1	deg	15 minutes
Peak Wind	15006	11/13/08	---	---	---	---	mph	15 minutes
Barometric Pressure	15003	11/13/08	Solid state	Hydrolynx	1522	5.5	mb, inHg	30 minutes



Water Year 2023 Weather Climate Summary Reports
Weather Station: Lake Pleasant (LPL)

Months	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°	Monthly Mean Temp	Monthly Mean Wind
	°F	Date	°F	Date	°F	°F	Date	MPH	Date	MPH	Total	Total	Total	Total	°F	MPH
October	96	10/13	52	10/24	75.8	67	10/5	42	10/3	5.3	0	0	11	0	75.8	5.3
November	77	11/1	45	11/3	60.2	55	11/8	40	11/16	6.1	0	0	0	0	60.2	6.1
December	73	12/25	40	12/14	55.3	61	12/4	29	12/16	4.1	0	0	0	0	55.3	4.1
January	76	1/13	36	1/24	52.7	53	12/30	35	1/26	4.6	0	0	0	0	52.7	4.6
February	75	2/4	34	2/15	55.7	48	2/14	43	2/22	6.2	0	0	0	0	55.7	6.2
March	78	3/12	38	3/2	58.5	57	3/11	38	3/1	4.7	0	0	0	0	58.5	4.7
April	100	4/30	44	4/5	72.9	53	4/30	39	4/3	5.6	0	1	8	0	72.9	5.6
May	99	5/15	59	5/5	80.1	62	5/18	33	5/1	5.0	0	0	22	0	80.1	5.0
June	107	6/26	68	6/1	86.4	64	6/18	30	6/28	4.9	0	13	27	0	86.4	4.9
July	116	7/15	81	7/7	99.5	75	7/26	25	7/21	4.9	20	31	31	0	99.5	4.9
August	114	8/28	75	8/31	95.1	74	8/16	45	8/31	5.3	10	27	30	0	95.1	5.3
September	112	9/9	72	9/21	87.4	72	9/1	32	9/30	5.3	1	14	30	0	87.4	5.3

	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°
2023 Totals	116	7/15	34	2/15	73.3	75	7/26	45	8/31	5.2	31	86	159	0

First 100F day: 04/30/2023
 Last 100F day: 09/27/2023
 First 90F day: 10/01/2022
 Last 90F day: 09/30/2023

To retrieve daily weather sensor statistics by month for the entire Water Year at each weather station, use the internet link below:
https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2023.xlsx

Lake Pleasant North Weather Station

Meta Data Summary

Peoria, Arizona

Date of Station Installation: 04/24/2000

Weather Sensor Installation: 04/24/2001



State: Arizona

County: Yavapai

Latitude: 33° 54' 16.8" (33.9047)

Longitude: 112° 16' 15.0" (-112.2708)

TRS: T7N-R1E-Section 33

Location: Deer Island on north end of Lake Pleasant

Time Zone: MST – all year

Data Repeater: Towers Mountain

Elevation: 1,755 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 24

Archived: Yes, from date of sensor installation

Site Description: Sloped near top of ridge, Soil type – rock/small shrub

Obstructions: No Obstructions

Equipment operates in the NWS ALERT Format. Transmission to the Flood Control District of Maricopa County via VHF radio. Detailed sensor information and additional photographs, next page.

Detailed Sensor Data

Sensor	ID #	Data Begins	Type	Manufacturer	Model	Height AGL (ft)	Units	Frequency of Data
Rain	15300	04/24/00	Tipping Bucket	Hydrolynx	5050P	9.9	mm	Variable
Temperature	15301	04/24/01	Probe, Radiation Shield	Vaisala, Hydrolynx	HMP155, 4550	9.9	deg F/C	15 minutes
Relative Humidity	15302	04/24/01	Probe, Radiation Shield	Vaisala, Hydrolynx	HMP155, 4550	9.9	%	15 minutes
Dewpoint (calculated)	15316	05/01/01	---	---	---	---	deg F	15 minutes
Wind Speed	15304	04/24/01	3-cup	Hydrolynx	5050WS	10.3	mph	15 minutes
Wind Direction	15305	04/24/01	Pointer	Hydrolynx	5050WD	9.8	deg	15 minutes
Peak Wind	15306	04/24/01	---	---	---	---	mph	15 minutes
Solar Radiation	15311	04/24/01	Silicon photovoltaic cell	Hydrolynx	4015	10.2	watt/sq m	30 minutes
Barometric Pressure	15303	04/24/01	Solid state	Hydrolynx	1522	4.2	mb, inHg	30 minutes



Water Year 2023 Weather Climate Summary Reports
Weather Station: Lake Pleasant North (LPN)

Months	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°	Monthly Mean Temp	Monthly Mean Wind
	°F	Date	°F	Date	°F	°F	Date	MPH	Date	MPH	Total	Total	Total	Total	°F	MPH
October	95	10/2	53	10/24	75.3	68	10/2	41	10/3	4.2	0	0	11	0	75.3	4.2
November	77	11/1	45	11/4	59.9	56	11/2	33	11/16	4.7	0	0	0	0	59.9	4.7
December	75	12/26	39	12/14	55.0	61	12/4	25	12/16	3.3	0	0	0	0	55.0	3.3
January	75	1/13	35	1/24	52.5	53	12/30	30	1/26	3.7	0	0	0	0	52.5	3.7
February	76	2/20	37	2/15	55.5	48	2/21	42	2/22	5.4	0	0	0	0	55.5	5.4
March	77	3/12	38	3/2	57.8	57	3/11	30	3/27	3.5	0	0	0	0	57.8	3.5
April	97	4/30	42	4/5	70.9	52	4/14	35	4/3	4.5	0	0	7	0	70.9	4.5
May	97	5/16	57	5/4	77.9	64	5/18	34	5/16	4.4	0	0	17	0	77.9	4.4
June	103	6/25	64	6/1	83.7	66	6/30	23	6/28	4.2	0	3	25	0	83.7	4.2
July	113	7/20	78	7/7	96.2	74	7/15	34	7/26	4.2	7	31	31	0	96.2	4.2
August	111	8/28	70	8/31	92.8	74	8/9	32	8/15	4.8	2	26	29	0	92.8	4.8
September	108	9/9	67	9/30	85.5	71	9/1	24	9/9	4.1	0	8	29	0	85.5	4.1

	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°
2023 Totals	113	7/20	35	1/24	71.9	74	7/15	42	2/22	4.3	9	68	149	0

First 100F day: 06/25/2023
 Last 100F day: 09/26/2023
 First 90F day: 10/01/2022
 Last 90F day: 09/29/2023

To retrieve daily weather sensor statistics by month for the entire Water Year at each weather station, use the internet link below:
https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2023.xlsx

Magma FRS Weather Station

Meta Data Summary

Magma, Arizona

Date of Station Installation: 10/27/1988

Weather Sensor Installation: 12/19/1995



State: Arizona

County: Pinal

Latitude: 33° 07' 06.5" (33.1184)

Longitude: 111° 24' 16.6" (-111.4046)

TRS: T4S-R9E-Section 35

Location: 7 miles NNW of Florence

Time Zone: MST – all year

Data Repeater: Sacaton Peak

Elevation: 1,625 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 28

Archived: Yes, from date of sensor installation

Site Description: On top of FRS flat ground, Soil type – dirt/gravel

Obstructions: No Obstructions

Equipment operates in the NWS ALERT Format. Transmission to the Flood Control District of Maricopa County via VHF radio. Detailed sensor information and additional photographs, next page.

Flood Control District of Maricopa County

Detailed Sensor Data

Sensor	ID #	Data Begins	Type	Manufacturer	Model	Height AGL (ft)	Units	Frequency of Data
Rain	42300	Since 06/16/92 10/27/88- 06/16/92	Tipping Bucket	Hydrolynx	5050P	14.0	mm	Variable
Temperature	42301	12/19/95	Transducer, Radiation Shield	Hydrolynx	2048, 4550	14.7	deg F/C	15 minutes
Relative Humidity	42302	12/19/95	Polymer film, Radiation Shield	Hydrolynx	2048, 4550	14.7	%	15 minutes
Dewpoint (calculated)	42316	06/01/98	---	---	---	---	deg F	15 minutes
Wind Speed	42304	06/19/96	Mechanical Wind Sensors	Young	5108	14.1	mph	15 minutes
Wind Direction	42305	02/28/02	Mechanical Wind Sensors	Young	5108	14.1	deg	15 minutes
Peak Wind	42306	06/19/96	---	---	---	---	mph	15 minutes



Water Year 2023 Weather Climate Summary Reports
Weather Station: Magma FRS (MAG)

Months	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°	Monthly Mean Temp	Monthly Mean Wind
	°F	Date	°F	Date	°F	°F	Date	MPH	Date	MPH	Total	Total	Total	Total	°F	MPH
October	98	10/3	45	10/25	73.8	69	10/15	56	10/15	2.6	0	0	12	0	73.8	2.6
November	82	11/7	36	11/15	57.4	58	11/9	27	11/3	2.0	0	0	0	0	57.4	2.0
December	75	12/26	33	12/15	52.8	62	12/4	27	12/28	1.0	0	0	0	0	52.8	1.0
January	77	1/13	29	1/24	51.2	55	1/15	30	1/1	2.4	0	0	0	1	51.2	2.4
February	79	2/12	30	2/16	53.4	54	2/21	39	2/22	4.4	0	0	0	1	53.4	4.4
March	81	3/29	36	3/1	57.9	56	3/15	37	3/1	2.7	0	0	0	0	57.9	2.7
April	99	4/30	32	4/5	70.0	43	4/11	32	4/3	2.3	0	0	9	1	70.0	2.3
May	101	5/16	50	5/11	78.8	63	5/16	31	5/31	2.6	0	2	23	0	78.8	2.6
June	107	6/25	59	6/12	84.9	53	6/28	28	6/11	1.6	0	16	30	0	84.9	1.6
July	115	7/19	73	7/26	96.7	71	7/26	52	7/26	2.1	13	31	31	0	96.7	2.1
August	112	8/5	72	8/22	93.3	74	8/21	44	8/31	2.9	5	28	30	0	93.3	2.9
September	111	9/9	64	9/21	86.4	73	9/2	29	9/30	2.0	2	17	30	0	86.4	2.0

	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°
2023 Totals	115	7/19	29	1/24	71.4	74	8/21	56	10/15	2.4	20	94	165	3

First 100F day: 05/16/2023
 Last 100F day: 09/29/2023
 First 90F day: 10/01/2022
 Last 90F day: 09/30/2023

To retrieve daily weather sensor statistics by month for the entire Water Year at each weather station, use the internet link below:
https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2023.xlsx

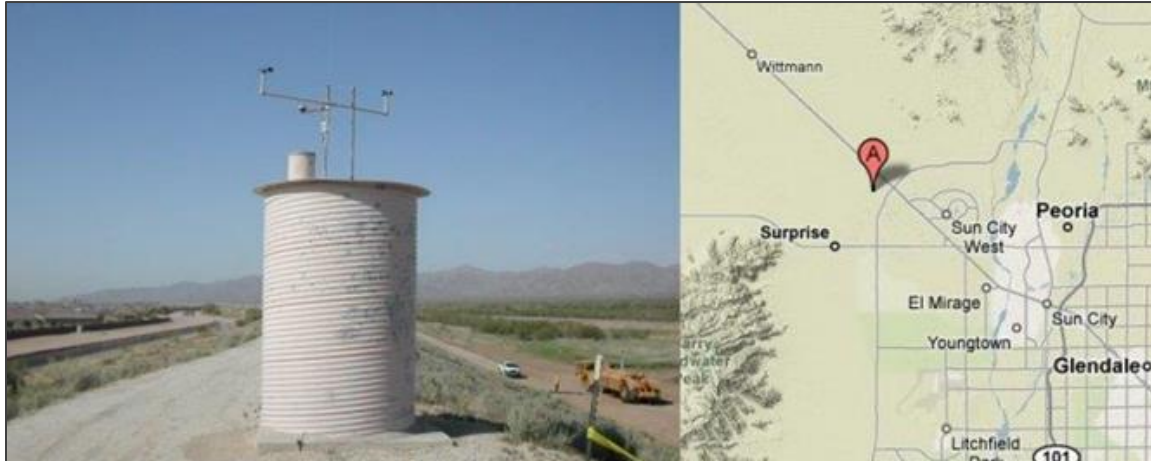
McMicken Dam Weather Station

Meta Data Summary

Sun City, Arizona

Date of Station Installation: 03/24/1983

Weather Sensor Installation: 06/02/2004



State: Arizona

County: Maricopa

Latitude: 33° 40' 37.2" (33.6770)

Longitude: 112° 25' 24.3" (-112.4234)

TRS: T4N-R2W-Section 24

Location: ¼ mile SE of Deer Valley Road and Cotton Lane

Time Zone: MST – all year

Data Repeater: White Tank Peak

Elevation: 1,355 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 23

Archived: Yes, from date of sensor installation

Site Description: On top of FRS flat ground, Soil type – dirt/gravel

Obstructions: No Obstructions

Equipment operates in the NWS ALERT Format. Transmission to the Flood Control District of Maricopa County via VHF radio. Detailed sensor information and additional photographs, next page.

Detailed Sensor Data

Sensor	ID #	Data Begins	Type	Manufacturer	Model	Height AGL (ft)	Units	Frequency of Data
Rain	71700	Since 06/15/92 10/01/87- 06/15/92 03/24/83- 10/01/87	Tipping Bucket	Hydrolynx	5050P	11.0	mm	Variable
Temperature	71701	06/02/04	Transducer, Radiation Shield	Hydrolynx	2048, 4550	12.9	deg F/C	15 minutes
Relative Humidity	71702	06/02/04	Polymer film, Radiation Shield	Hydrolynx	2048, 4550	12.9	%	15 minutes
Dewpoint (calculated)	71716	06/02/04	---	---	---	---	deg F	15 minutes
Wind Speed	71704	06/02/04	3-cup	Hydrolynx	5050WS	13.9	mph	15 minutes
Wind Direction	71705	06/02/04	Pointer	Hydrolynx	5050WD	14.0	deg	15 minutes
Peak Wind	71706	06/02/04	---	---	---	---	mph	15 minutes
Solar Radiation	71711	06/02/04	Silicon photovoltaic cell	Hydrolynx	4015	13.8	Watt/sq m	30 minutes
Barometric Pressure	71703	06/02/04	Solid State	Hydrolynx	1522	3.5	mb, inHg	30 minutes



Water Year 2023 Weather Climate Summary Reports
Weather Station: McMicken Dam (MKN)

Months	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°	Monthly Mean Temp	Monthly Mean Wind
	°F	Date	°F	Date	°F	°F	Date	MPH	Date	MPH	Total	Total	Total	Total	°F	MPH
October	95	10/2	45	10/25	73.3	67	10/15	37	10/5	3.9	0	0	10	0	73.3	3.9
November	77	11/1	36	11/26	56.0	56	11/9	32	11/3	4.0	0	0	0	0	56.0	4.0
December	73	12/25	33	12/19	51.5	60	12/4	27	12/12	2.6	0	0	0	0	51.5	2.6
January	75	1/13	29	1/24	50.1	53	1/1	28	1/1	3.6	0	0	0	5	50.1	3.6
February	79	2/20	33	2/16	55.7	53	2/26	42	2/22	5.7	0	0	0	0	55.7	5.7
March	84	3/12	41	3/3	63.1	64	3/15	35	3/1	4.5	0	0	0	0	63.1	4.5
April	100	4/28	35	4/5	71.7	42	4/14	36	4/3	5.7	0	3	11	0	71.7	5.7
May	101	5/16	52	5/6	81.3	64	5/18	29	5/19	5.3	0	2	22	0	81.3	5.3
June	108	6/26	63	6/7	87.0	50	6/11	24	6/5	5.2	0	16	29	0	87.0	5.2
July	118	7/15	76	7/1	101.0	72	7/30	31	7/26	5.7	23	31	31	0	101.0	5.7
August	114	8/28	74	8/22	96.3	74	8/20	35	8/31	5.8	12	27	30	0	96.3	5.8
September	113	9/9	64	9/29	87.5	76	9/1	32	9/10	4.4	1	18	30	0	87.5	4.4

	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°
2023 Totals	118	7/15	29	1/24	72.9	76	9/1	42	2/22	4.7	36	97	163	5

First 100F day: 04/28/2023
 Last 100F day: 09/28/2023
 First 90F day: 10/01/2022
 Last 90F day: 09/30/2023

To retrieve daily weather sensor statistics by month for the entire Water Year at each weather station, use the internet link below:
https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2023.xlsx

Mobile Weather Station

Meta Data Summary

Maricopa, Arizona

Date of Station Installation: 12/15/2004

Weather Sensor Installation: 04/04/2008



State: Arizona

County: Maricopa

Latitude: 33° 02' 18.4" (33.0384)

Longitude: 112° 14' 38.7" (-112.2440)

TRS: T4S-R1E-Section 34

Location: 2 miles SE of Mobile

Time Zone: MST – all year

Data Repeater: White Tank Peak

Elevation: 1,340 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 27

Archived: Yes, from date of installation

Site Description: Flat ground, Soil type – dirt/shrubs

Obstructions: No Obstructions

Equipment operates in the NWS ALERT Format. Transmission to the Flood Control District of Maricopa County via VHF radio. Detailed sensor information and additional photographs, next page.

Detailed Sensor Data

Sensor	ID #	Data Begins	Type	Manufacturer	Model	Height AGL (ft)	Units	Frequency of Data
Rain	84700	12/15/04	Tipping Bucket	Hydrolynx	5050P	10.1	mm	Variable
Temperature	84701	12/15/04	Probe, Radiation Shield	Hydrolynx	HMP155, 4550	10.4	deg F/C	15 minutes
Relative Humidity	84702	12/15/04	Probe, Radiation Shield	Hydrolynx	HMP155, 4550	10.4	%	15 minutes
Dewpoint (calculated)	84716	12/15/04	---	---	---	---	deg F	15 minutes
Wind Speed	84704	12/15/04	Mechanical Wind	Young	5108	11.4	mph	15 minutes
Wind Direction	84705	12/15/04	Sensors	Young	5108	11.1	deg	15 minutes
Peak Wind	84706	12/15/04	---	---	---	---	mph	15 minutes
Barometric Pressure	84703	12/15/04	Solid state	Hydrolynx	1522	5.5	mb, inHg	30 minutes



Water Year 2023 Weather Climate Summary Reports
Weather Station: Mobile (MBL)

Months	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°	Monthly Mean Temp	Monthly Mean Wind
	°F	Date	°F	Date	°F	°F	Date	MPH	Date	MPH	Total	Total	Total	Total	°F	MPH
October	98	10/13	46	10/25	74.6	67	10/15	36	10/6	3.8	0	0	12	0	74.6	3.8
November	83	11/1	38	11/27	58.4	58	11/9	36	11/9	3.4	0	0	0	0	58.4	3.4
December	75	12/1	36	12/14	54.4	62	12/4	28	12/12	2.4	0	0	0	0	54.4	2.4
January	74	1/13	35	1/22	53.5	55	12/31	35	1/17	3.4	0	0	0	0	53.5	3.4
February	78	2/12	33	2/16	56.2	54	2/21	61	2/22	5.2	0	0	0	0	56.2	5.2
March	85	3/14	39	3/26	60.0	63	3/15	49	3/1	3.4	0	0	0	0	60.0	3.4
April	101	4/11	33	4/5	73.3	49	4/13	48	4/3	3.8	0	3	14	0	73.3	3.8
May	100	5/15	49	5/6	79.5	66	5/16	46	5/16	4.3	0	3	23	0	79.5	4.3
June	107	6/25	57	6/8	85.1	56	6/28	34	6/18	3.8	0	15	30	0	85.1	3.8
July	115	7/19	74	7/1	99.0	71	7/17	52	7/30	4.9	19	31	31	0	99.0	4.9
August	114	8/28	72	8/22	94.5	66	8/19	50	8/31	4.4	8	27	29	0	94.5	4.4
September	112	9/10	60	9/27	85.3	70	9/13	38	9/30	3.5	2	13	30	0	85.3	3.5

	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°
2023 Totals	115	7/19	33	2/26	72.8	71	7/17	61	2/22	3.9	29	92	169	0

First 100F day: 04/10/2023
 Last 100F day: 09/28/2023
 First 90F day: 10/01/2022
 Last 90F day: 09/30/2023

To retrieve daily weather sensor statistics by month for the entire Water Year at each weather station, use the internet link below:
https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2023.xlsx

Mount Union Weather Station

Meta Data Summary

Prescott, Arizona

Date of Station Installation: 08/16/1982

Weather Sensors Installation: 12/11/1987



State: Arizona

County: Yavapai

Latitude: 34° 24' 54.3" (34.41507)

Longitude: 112° 24' 17.2" (-112.40478)

TRS: T12N-R2W-Section 1

Location: The top of Mt. Union, 10 miles SSE of Prescott

Time Zone: MST – all year

Data Repeater: Direct

Elevation: 7,975 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Flagstaff, 08

Archived: Yes, from date of sensor installation

Site Description: flat ground, Soil type – dirt/grass

Obstructions: 50' tower 10' NNW of station

Equipment operates in the NWS ALERT Format. Transmission to the Flood Control District of Maricopa County via VHF radio. Detailed sensor information and additional photographs, next page.

Detailed Sensor Data

Sensor	ID #	Data Begins	Type	Manufacturer	Model	Height AGL (ft)	Units	Frequency of Data
Rain	1000	Since 07/10/92 10/01/87-07/10/92 05/01/83-10/01/87 08/16/82-05/01/83	Tipping Bucket	Hydrolynx	5050P	12.1	mm	Variable
Temperature	1001	12/11/87	Capacitive Ceramic THERMOCAP	Vaisala	WXT510	13.5	deg F/C	15 minutes
Relative Humidity	1002	12/01/94	Film Polymer HUMICAP	Vaisala	WXT510	13.5	%	15 minutes
Dewpoint (calculated)	1016	09/19/00	---	---	---	---	deg F	15 minutes



Water Year 2023 Weather Climate Summary Reports
Weather Station: Mount Union (UNN)

Months	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°	Monthly Mean Temp
	°F	Date	°F	Date	°F	°F	Date	Total	Total	Total	Total	°F
October	66	10/2	20	10/24	48.7	50	10/1	0	0	0	3	48.7
November	51	11/1	19	11/4	35.7	39	11/2	0	0	0	19	35.7
December	57	12/26	15	12/14	34.0	44	12/3	0	0	0	22	34.0
January	50	1/13	15	1/20	29.5	35	12/31	0	0	0	20	29.5
February	M	M	M	M	M	M	M	0	0	0	0	M
March	M	M	M	M	M	M	M	0	0	0	0	M
April	75	4/29	33	4/14	51.3	33	4/25	0	0	0	0	51.3
May	72	5/17	35	5/5	54.3	45	5/19	0	0	0	0	54.3
June	80	6/30	44	6/1	60.9	40	6/2	0	0	0	0	60.9
July	92	7/15	58	7/31	74.4	53	7/16	0	0	3	0	74.4
August	86	8/29	54	8/19	68.7	55	8/29	0	0	0	0	68.7
September	80	8/31	46	9/30	62.5	52	9/2	0	0	0	0	62.5

	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°
2023 Totals	92	7/15	15	12/14	60.0	55	8/29	0	0	3	64

First 100F day: N/A
 Last 100F day: N/A
 First 90F day: 07/15/2023
 Last 90F day: 07/21/2023

To retrieve daily weather sensor statistics by month for the entire Water Year at each weather station, use the internet link below:
https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2023.xlsx

Osborn at 64th St Weather Station

Meta Data Summary

Scottsdale, Arizona

Date of Station Installation: 10/22/1997

Weather Sensors Installation: 01/16/1998



State: Arizona

County: Maricopa

Latitude: 33° 29' 06.4" (33.4851)

Longitude: 111° 56' 33.5" (-111.9427)

TRS: T2N-R4E-Section 27

Location: 200 yards East of Osborn Rd. @ 64th St.

Time Zone: MST – all year

Data Repeater: Thompson Peak

Elevation: 1,250 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 23

Archived: Yes, from date of sensor installation

Site Description: flat ground, Soil type – dirt/grass

Obstructions: No Obstructions

Equipment operates in the NWS ALERT Format. Transmission to the Flood Control District of Maricopa County via VHF radio. Detailed sensor information and additional photographs, next page.

Detailed Sensor Data

Sensor	ID #	Data Begins	Type	Manufacturer	Model	Height AGL (ft)	Units	Frequency of Data
Rain	5600 0	10/22/97	Tipping Bucket	Hydrolynx	5050P	9.7	mm	Variable
Temperature	5600 1	01/16/98	Transducer, Radiation Shield	Hydrolynx	2048, 4550	9.6	deg F/C	15 minutes
Relative Humidity	5600 2	01/16/98	Polymer film, Radiation Shield	Hydrolynx	2048, 4550	9.6	%	15 minutes
Dewpoint (calculated)	5601 6	02/01/98	---	---	---	---	deg F	15 minutes
Wind Speed	5600 4	01/16/98	Mechanical Wind	Young	5108	9.5	mph	15 minutes
Wind Direction	5600 5	05/20/01	Sensors	Young	5108	9.6	deg	15 minutes
Peak Wind	5600 6	01/16/98	---	---	---	---	mph	15 minutes



Water Year 2023 Weather Climate Summary Reports
Weather Station: Osborn @64th St (O64)

Months	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°	Monthly Mean Temp	Monthly Mean Wind
	°F	Date	°F	Date	°F	°F	Date	MPH	Date	MPH	Total	Total	Total	Total	°F	MPH
October	98	10/3	48	10/25	75.4	67	10/15	24	10/3	1.7	0	0	15	0	75.4	1.7
November	82	11/1	39	11/27	58.1	59	11/9	16	11/3	1.2	0	0	0	0	58.1	1.2
December	73	12/1	34	12/17	52.8	61	12/4	13	12/20	0.8	0	0	0	0	52.8	0.8
January	72	1/13	31	1/24	49.9	51	1/1	16	1/4	1.3	0	0	0	3	49.9	1.3
February	76	2/12	31	2/16	53.1	47	2/21	21	2/22	2.2	0	0	0	1	53.1	2.2
March	78	3/29	38	3/2	57.9	53	3/15	27	3/1	1.8	0	0	0	0	57.9	1.8
April	97	4/30	38	4/5	69.2	39	4/11	24	4/3	1.8	0	0	5	0	69.2	1.8
May	100	5/16	54	5/5	79.7	57	5/18	25	5/1	2.4	0	1	22	0	79.7	2.4
June	108	6/26	63	6/7	85.2	51	6/30	19	6/18	1.8	0	15	28	0	85.2	1.8
July	115	7/19	77	7/6	98.9	67	7/31	33	7/26	2.1	21	31	31	0	98.9	2.1
August	114	8/28	73	8/31	94.8	70	8/31	33	8/20	2.3	8	27	29	0	94.8	2.3
September	112	9/9	63	9/21	85.9	66	9/2	32	9/12	1.6	2	15	30	0	85.9	1.6

	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°
2023 Totals	115	7/19	31	1/24	71.7	70	8/31	33	7/26	1.8	31	89	160	4

First 100F day: 05/16/2023
 Last 100F day: 09/28/2023
 First 90F day: 10/01/2022
 Last 90F day: 09/30/2023

To retrieve daily weather sensor statistics by month for the entire Water Year at each weather station, use the internet link below:
https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2023.xlsx

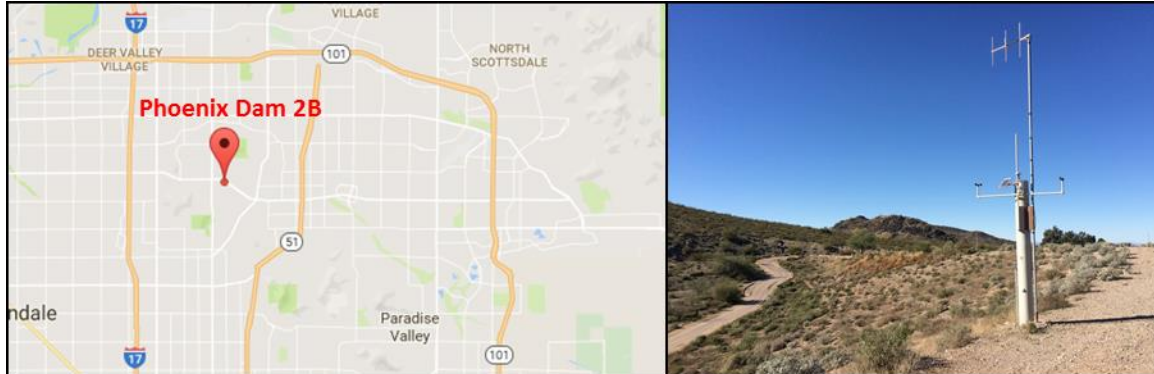
Phoenix Dam 2B Weather Station

Meta Data Summary

Phoenix, Arizona

Date of Station Installation: 06/29/2009

Weather Sensors Installation: 06/29/2009



State: Arizona

County: Maricopa

Latitude: 33° 36' 23.8" (33.6066)

Longitude: 112° 03' 28.4" (-112.0578)

TRS: T3N-R3E-Section 16

Location: Near Thunderbird and 7th St

Time Zone: MST – all year

Data Repeater: Direct

Elevation: 1,415 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 23

Archived: Yes, from date of installation

Site Description: Flat ground on top of FRS, Soil type – dirt/gravel

Obstructions: No Obstructions

Equipment operates in the NWS ALERT Format. Transmission to the Flood Control District of Maricopa County via VHF radio. Detailed sensor information and additional photographs, next page.

Flood Control District of Maricopa County

Detailed Sensor Data

Sensor	ID #	Data Begins	Type	Manufacturer	Model	Height AGL (ft)	Units	Frequency of Data
Rain	9900	06/29/09	Tipping Bucket	Hydrolynx	5050P	10.0	mm	Variable
Temperature	9901	06/29/09	Probe, Radiation Shield	Vaisala, Hydrolynx	HMP155, 4550	9.5	deg F/C	15 minutes
Relative Humidity	9902	06/29/09	Probe, Radiation Shield	Vaisala, Hydrolynx	HMP155, 4550	9.5	%	15 minutes
Dewpoint (calculated)	9916	06/29/09	---	---	---	---	deg F	15 minutes
Wind Speed	9904	06/29/09	3-cup	Hydrolynx	5050WS	9.8	mph	15 minutes
Wind Direction	9905	06/29/09	Pointer	Hydrolynx	5050WD	9.9	deg	15 minutes
Peak Wind	9906	06/29/09	---	---	---	---	mph	15 minutes
Solar Radiation	9911	06/29/09	Silicon photovoltaic cell	Hydrolynx	4015	10.0	mb, inHg	30 minutes
Barometric Pressure	9903	06/29/09	Solid state	Hydrolynx	1522	6.0	mb, inHg	30 minutes



Water Year 2023 Weather Climate Summary Reports
Weather Station: Phoenix Dam 2B (P2B)

Months	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°	Monthly Mean Temp	Monthly Mean Wind
	°F	Date	°F	Date	°F	°F	Date	MPH	Date	MPH	Total	Total	Total	Total	°F	MPH
October	97	10/3	47	10/25	74.5	66	10/15	31	10/3	2.2	0	0	12	0	74.5	2.2
November	79	11/7	38	11/27	57.7	58	11/9	26	11/3	1.7	0	0	0	0	57.7	1.7
December	76	12/25	32	12/17	53.0	62	12/4	17	12/12	0.8	0	0	0	1	53.0	0.8
January	76	1/13	32	1/24	51.6	54	1/1	18	1/17	1.7	0	0	0	2	51.6	1.7
February	77	2/4	32	2/16	54.8	49	2/14	31	2/22	3.0	0	0	0	1	54.8	3.0
March	80	3/29	38	3/2	59.5	56	3/15	29	3/1	2.6	0	0	0	0	59.5	2.6
April	100	4/30	37	4/5	73.1	54	4/25	27	4/3	3.2	0	1	10	0	73.1	3.2
May	100	5/16	56	5/6	80.2	61	5/18	23	5/1	3.8	0	1	21	0	80.2	3.8
June	106	6/26	61	6/24	86.2	50	6/11	23	6/18	3.4	0	14	27	0	86.2	3.4
July	114	7/15	76	7/6	99.5	73	7/26	40	7/26	4.6	18	31	31	0	99.5	4.6
August	113	8/28	74	8/22	94.9	73	8/15	39	8/31	3.9	5	27	29	0	94.9	3.9
September	111	9/9	66	9/29	86.6	72	8/31	23	9/30	2.8	1	14	30	0	86.6	2.8

	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°
2023 Totals	114	7/15	32	12/17	72.6	73	7/26	40	7/26	2.8	24	88	160	4

First 100F day: 04/30/2023
 Last 100F day: 09/27/2023
 First 90F day: 10/01/2022
 Last 90F day: 09/30/2023

To retrieve daily weather sensor statistics by month for the entire Water Year at each weather station, use the internet link below:
https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2023.xlsx

Rackensack Canyon Weather Station

Meta Data Summary

Rackensack Canyon, Arizona

Date of Station Installation: 06/28/2007

Weather Sensors Installation: 06/28/2007



State: Arizona

County: Maricopa

Latitude: 33° 54' 09.4" (33.90262)

Longitude: 111° 50' 43.0" (-111.84527)

TRS: T7N-R5E-Section 33

Location: 8 miles NE of Cave Creek

Time Zone: MST – all year

Data Repeater: Humboldt Mountain

Elevation: 4,445 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 24

Archived: Yes, from date of installation

Site Description: Flat ground top of ridge, Soil type – dirt/shrubs

Obstructions: No Obstructions

Equipment operates in the NWS ALERT Format. Transmission to the Flood Control District of Maricopa County via VHF radio. Detailed sensor information and additional photographs, next page.

Detailed Sensor Data

Sensor	ID #	Data Begins	Type	Manufacturer	Model	Height AGL (ft)	Units	Frequency of Data
Rain	7650 0	06/28/07	Tipping Bucket	Hydrolynx	5050P	12.1	mm	Variable
Temperature	7650 1	06/28/07	Capacitive Ceramic THERMOCAP	Vaisala	WXT510	13.9	deg F/C	15 minutes
Relative Humidity	7650 2	06/28/07	Film Polymer HUMICAP	Vaisala	WXT510	13.9	%	15 minutes
Dewpoint (calculated)	7651 6	06/28/07	---	---	---	---	deg F	15 minutes
Wind Speed	7650 4	06/28/07	Wind transducers (3 pcs)	Vaisala	WXT510	14.1	mph	15 minutes
Wind Direction	7650 5	06/28/07	Wind transducers (3 pcs)	Vaisala	WXT510	14.1	deg	15 minutes
Peak Wind	7650 6	06/28/07	---	---	---	---	mph	15 minutes
Barometric Pressure	7650 3	06/28/07	capacitive silicon BAROCAP	Vaisala	WXT510	13.9	mb, inHg	30 minutes



Water Year 2023 Weather Climate Summary Reports
Weather Station: Rackensack Canyon (RKC)

Months	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°	Monthly Mean Temp	Monthly Mean Wind
	°F	Date	°F	Date	°F	°F	Date	MPH	Date	MPH	Total	Total	Total	Total	°F	MPH
October	84	10/1	40	10/24	66.2	55	10/2	30	10/3	5.5	0	0	0	0	66.2	5.5
November	68	11/1	36	11/3	51.7	48	11/9	30	11/24	6.2	0	0	0	0	51.7	6.2
December	68	12/26	30	12/14	48.2	54	12/4	22	12/11	5.3	0	0	0	3	48.2	5.3
January	63	1/13	28	1/23	44.2	47	1/16	32	1/1	6.7	0	0	0	2	44.2	6.7
February	64	2/4	26	2/15	45.8	44	2/21	69	2/14	7.5	0	0	0	6	45.8	7.5
March	65	3/28	28	3/2	49.4	48	3/11	43	3/2	7.7	0	0	0	2	49.4	7.7
April	86	4/30	33	4/4	64.1	37	4/11	33	4/3	7.5	0	0	0	0	64.1	7.5
May	88	5/16	51	5/5	70.4	53	5/19	27	5/25	7.0	0	0	0	0	70.4	7.0
June	93	6/26	57	6/12	77.4	45	6/12	26	6/18	7.3	0	0	4	0	77.4	7.3
July	103	7/15	72	7/31	89.8	61	7/31	28	7/3	7.9	0	13	31	0	89.8	7.9
August	102	8/28	63	8/21	84.6	66	8/21	28	8/31	6.2	0	1	26	0	84.6	6.2
September	97	9/9	64	8/31	78.9	65	9/1	22	9/1	5.7	0	0	5	0	78.9	5.7

	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°
2023 Totals	103	7/15	26	2/15	64.2	66	8/21	69	2/14	6.7	0	14	66	13

First 100F day: 7/14/2023
 Last 100F day: 8/28/2023
 First 90F day: 06/25/2023
 Last 90F day: 09/10/2023

To retrieve daily weather sensor statistics by month for the entire Water Year at each weather station, use the internet link below:
https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2023.xlsx

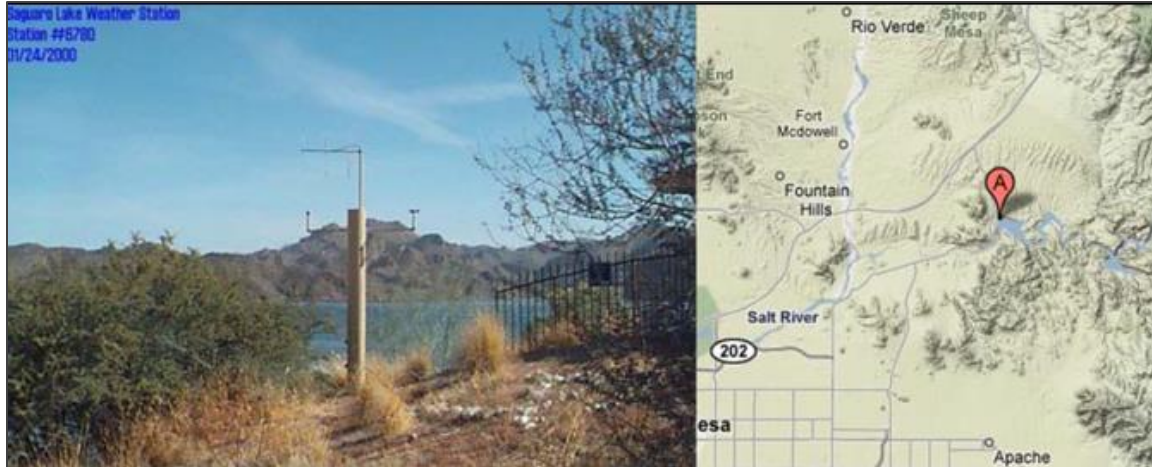
Saguaro Lake Weather Station

Meta Data Summary

Saguaro, Arizona

Date of Station Installation: 01/24/2000

Weather Sensors Installation: 01/24/2000



State: Arizona

County: Maricopa

Latitude: 33° 34' 30.7" (33.57518)

Longitude: 111° 32' 15.1" (-111.53752)

TRS: T2N-R8E-Section 27

Location: MCSO yard, NW corner of the lake

Time Zone: MST – all year

Data Repeater: Mt. Ord

Elevation: 1,540 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 24

Archived: Yes, from date of sensor installation

Site Description: Slight slope, 20' from lake, Soil type – dirt/grass

Obstructions: Structure 20' to SW of station

Equipment operates in the NWS ALERT Format. Transmission to the Flood Control District of Maricopa County via VHF radio. Detailed sensor information and additional photographs, next page.

Flood Control District of Maricopa County

Detailed Sensor Data

Sensor	ID #	Data Begins	Type	Manufacturer	Model	Height AGL (ft)	Units	Frequency of Data
Rain	63500	01/24/00	Tipping Bucket	Hydrolynx	5050P	9.7	mm	Variable
Temperature	63501	01/24/00	Transducer, Radiation Shield	Hydrolynx	2048, 4550	8.6	deg F/C	15 minutes
Relative Humidity	63502	01/24/00	Polymer film, Radiation Shield	Hydrolynx	2048, 4550	8.6	%	15 minutes
Dewpoint (calculated)	63516	01/26/00	---	---	---	---	deg F	15 minutes
Wind Speed	63504	01/26/00	Mechanical Wind	Young	5108	10.5	mph	15 minutes
Wind Direction	63505	02/01/00	Sensors	Young	5108	10.5	deg	15 minutes
Peak Wind	63506	01/24/00	---	---	---	---	mph	15 minutes
Solar Radiation	63511	01/24/00	Silicon photovoltaic cell	Hydrolynx	4015	10.3	watt/sq m	30 minutes
Barometric Pressure	63503	01/24/00	Solid state	Hydrolynx	1522	4.0	mb, inHg	30 minutes



Water Year 2023 Weather Climate Summary Reports
Weather Station: Saguaro Lake (SGL)

Months	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°	Monthly Mean Temp	Monthly Mean Wind
	°F	Date	°F	Date	°F	°F	Date	MPH	Date	MPH	Total	Total	Total	Total	°F	MPH
October	102	10/13	48	10/25	77.0	68	10/15	21	10/19	3.1	0	2	17	0	77.0	3.1
November	81	11/1	37	11/27	57.2	58	11/2	19	11/20	2.7	0	0	0	0	57.2	2.7
December	77	12/26	33	12/15	52.6	58	12/4	19	12/12	1.7	0	0	0	0	52.6	1.7
January	72	1/8	31	1/24	50.9	52	1/1	15	1/12	2.2	0	0	0	2	50.9	2.2
February	78	2/12	32	2/16	53.1	53	2/21	28	2/22	3.2	0	0	0	1	53.1	3.2
March	82	3/28	34	3/1	57.2	56	3/21	21	3/1	2.3	0	0	0	0	57.2	2.3
April	101	4/30	35	4/5	69.2	54	4/22	27	4/3	2.4	0	1	10	0	69.2	2.4
May	100	5/16	53	5/6	81.0	63	5/17	22	5/14	3.3	0	1	19	0	81.0	3.3
June	107	6/26	62	6/1	86.5	62	6/17	16	6/7	2.8	0	10	27	0	86.5	2.8
July	117	7/19	74	7/1	99.2	85	7/11	26	7/27	2.1	24	28	29	0	99.2	2.1
August	116	8/28	76	8/22	96.0	77	8/1	31	8/15	2.4	11	27	30	0	96.0	2.4
September	113	9/9	66	9/21	87.7	74	8/31	20	9/12	1.8	3	24	30	0	87.7	1.8

	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°
2023 Totals	117	7/19	31	1/24	72.3	85	7/11	31	8/15	2.5	38	93	162	3

First 100F day: 10/13/2022
 Last 100F day: 09/29/2023
 First 90F day: 10/01/2022
 Last 90F day: 09/30/2023

To retrieve daily weather sensor statistics by month for the entire Water Year at each weather station, use the internet link below:
https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2023.xlsx

South Mountain Fan Weather Station

Meta Data Summary

Phoenix, Arizona

Date of Station Installation: 06/09/1993

Weather Sensors Installation: 06/09/1993



State: Arizona

County: Maricopa

Latitude: 33° 18' 54.7" (33.3152)

Longitude: 112°08' 01.3" (-112.1336)

TRS: T1S-R2E-Section 26

Location: Alignments of Ray Road and 35th Ave in South Mtn. Park

Time Zone: MST – all year

Data Repeater: Direct

Elevation: 1,285 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 23

Archived: Yes, from date of sensor installation

Site Description: flat ground next to wash, Soil type –rocks/shrubs

Obstructions: No obstructions

Equipment operates in the NWS ALERT Format. Transmission to the Flood Control District of Maricopa County via VHF radio. Detailed sensor information and additional photographs, next page.

Detailed Sensor Data

Sensor	ID #	Data Begins	Type	Manufacturer	Model	Height AGL (ft)	Units	Frequency of Data
Rain	70500	06/09/93	Tipping Bucket	Hydrolynx	5050P	12.2	mm	Variable
Temperature	70501	06/09/93	Probe, Radiation Shield	Vaisala, Hydrolynx	HMP155, 4550	12.1	deg F/C	15 minutes
Relative Humidity	70502	06/09/93	Probe, Radiation Shield	Vaisala, Hydrolynx	HMP155, 4550	12.1	%	15 minutes
Dewpoint (calculated)	70516	07/08/94	---	---	---	---	deg F	15 minutes
Wind Speed	70504	06/09/93	3-cup	Hydrolynx	5050WS	13.3	mph	15 minutes
Wind Direction	70505	05/01/01	Pointer	Hydrolynx	5050WD	13.4	deg	15 minutes
Peak Wind	70506	06/30/93	---	---	---	---	mph	15 minutes
Solar Radiation	70511	02/01/94	Silicon photovoltaic cell	Hydrolynx	4015	13.1	watt/sq m	30 minutes
Barometric Pressure	70503	02/24/94	Solid state	Hydrolynx	1522	4.7	mb, inHg	30 minutes



Water Year 2023 Weather Climate Summary Reports
Weather Station: South Mountain Fan (SMF)

Months	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°	Monthly Mean Temp	Monthly Mean Wind
	°F	Date	°F	Date	°F	°F	Date	MPH	Date	MPH	Total	Total	Total	Total	°F	MPH
October	98	10/3	50	10/25	76.1	67	10/15	29	10/3	1.7	0	0	15	0	76.1	1.7
November	82	11/1	41	11/26	59.8	55	11/9	24	11/3	1.8	0	0	0	0	59.8	1.8
December	76	12/26	35	12/14	54.6	62	12/4	24	12/28	1.2	0	0	0	0	54.6	1.2
January	76	1/13	32	1/24	53.2	55	12/30	21	1/1	1.8	0	0	0	1	53.2	1.8
February	79	2/12	33	2/16	56.1	49	2/21	27	2/22	2.5	0	0	0	0	56.1	2.5
March	82	3/29	38	3/2	61.3	56	3/15	24	3/22	2.4	0	0	0	0	61.3	2.4
April	98	4/10	40	4/5	71.7	42	4/13	24	4/3	2.4	0	0	5	0	71.7	2.4
May	101	5/16	58	5/11	79.9	61	5/19	24	5/17	2.8	0	2	19	0	79.9	2.8
June	108	6/26	63	6/7	89.0	46	6/3	19	6/18	2.6	0	16	28	0	89.0	2.6
July	116	7/19	80	7/31	101.1	70	7/31	22	7/17	3.5	21	31	31	0	101.1	3.5
August	113	8/5	73	8/22	96.3	71	8/16	27	8/31	3.3	10	26	29	0	96.3	3.3
September	113	9/9	69	9/21	89.2	73	9/1	20	9/30	2.3	2	16	30	0	89.2	2.3

	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°
2023 Totals	116	7/19	32	1/24	74.0	73	9/1	29	10/3	2.4	33	91	157	1

First 100F day: 05/16/2023
 Last 100F day: 09/28/2023
 First 90F day: 10/01/2022
 Last 90F day: 09/30/2023

To retrieve daily weather sensor statistics by month for the entire Water Year at each weather station, use the internet link below:
https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2023.xlsx

South Mountain Park Weather Station

Meta Data Summary

Phoenix, Arizona

Date of Station Installation: 10/01/1987

Weather Sensors Installation: 12/15/1987



State: Arizona

County: Maricopa

Latitude: 33° 20' 39.8" (33.3444)

Longitude: 112° 01' 58.9" (-112.0330)

TRS: T1S-R3E-Section 15

Location: Alignments of Elliot Road and 24th Street

Time Zone: MST – all year

Data Repeater: Direct

Elevation: 2,355 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 23

Archived: Yes, from date of sensor installation

Site Description: Sloped on a ridge, Soil type –rocks/dirt/shrubs

Obstructions: No obstructions

Equipment operates in the NWS ALERT Format. Transmission to the Flood Control District of Maricopa County via VHF radio. Detailed sensor information and additional photographs, next page.

Detailed Sensor Data

Sensor	ID #	Data Begins	Type	Manufacturer	Model	Height AGL (ft)	Units	Frequency of Data
Rain	68500	10/01/87	Tipping Bucket	Hydrolynx	5050P	9.9	mm	Variable
Temperature	68501	12/15/87	Transducer, Radiation Shield	Hydrolynx	2048, 4550	9.1	deg F/C	15 minutes
Relative Humidity	68502	12/15/87	Polymer film, Radiation Shield	Hydrolynx	2048, 4550	9.1	%	15 minutes
Dewpoint (calculated)	68516	07/08/99	---	---	---	---	deg F	15 minutes
Wind Speed	68504	12/15/87	3-cup	Hydrolynx	5050WS	10.1	mph	15 minutes
Wind Direction	68505	05/01/01	Pointer	Hydrolynx	5050WD	10.6	deg	15 minutes
Peak Wind	68506	07/21/93	---	---	---	---	mph	15 minutes
Solar Radiation	68511	07/21/93	Silicon photovoltaic cell	Hydrolynx	4015	10.4	watt/sq m	30 minutes
Barometric Pressure	68503	07/01/93	Solid state	Hydrolynx	1522	7.4	mb, inHg	30 minutes



Water Year 2023 Weather Climate Summary Reports
Weather Station: South Mountain Park (SMP)

Months	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°	Monthly Mean Temp	Monthly Mean Wind
	°F	Date	°F	Date	°F	°F	Date	MPH	Date	MPH	Total	Total	Total	Total	°F	MPH
October	94	10/2	53	10/24	75.5	67	10/15	34	10/3	0.7	0	0	7	0	75.5	0.7
November	76	11/1	45	11/4	60.4	56	11/9	28	11/3	1.0	0	0	0	0	60.4	1.0
December	71	12/26	39	12/14	55.7	62	12/4	24	12/12	0.5	0	0	0	0	55.7	0.5
January	71	1/13	37	1/23	53.3	55	12/30	27	1/17	1.0	0	0	0	0	53.3	1.0
February	73	2/12	38	2/16	55.7	53	2/21	36	2/22	1.6	0	0	0	0	55.7	1.6
March	79	3/29	37	3/2	60.6	57	3/15	34	3/30	1.0	0	0	0	0	60.6	1.0
April	96	4/30	44	4/4	72.4	39	4/13	24	4/3	1.7	0	0	5	0	72.4	1.7
May	96	5/16	58	5/5	78.4	54	5/19	26	5/18	1.4	0	0	18	0	78.4	1.4
June	103	6/26	64	6/1	85.2	45	6/28	26	6/17	1.4	0	7	25	0	85.2	1.4
July	110	7/15	75	7/31	96.9	64	7/31	27	7/30	1.8	3	31	31	0	96.9	1.8
August	108	8/28	69	8/31	91.8	65	8/7	41	8/31	1.3	0	21	28	0	91.8	1.3
September	106	9/9	71	9/30	86.0	64	9/1	23	9/30	1.1	0	5	29	0	86.0	1.1

	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°
2023 Totals	110	7/15	37	1/23	72.7	67	10/15	41	8/31	1.2	3	64	143	0

First 100F day: 06/18/2023
 Last 100F day: 09/10/2023
 First 90F day: 10/01/2022
 Last 90F day: 09/30/2023

To retrieve daily weather sensor statistics by month for the entire Water Year at each weather station, use the internet link below:
https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2023.xlsx

Sycamore Creek Upper Weather Station

Meta Data Summary

Sycamore Creek, Arizona

Date of Station Installation: 06/09/2012

Weather Sensors Installation: 06/09/2012



State: Arizona

County: Maricopa

Latitude: 33° 59' 15.4" (33.9876)

Longitude: 111° 27' 51.5" (-111.4643)

TRS: T8N-R9E-Section 31

Location: 9 miles NNW of Hwy 87 and FR 626 turn off

Time Zone: MST – all year

Data Repeater: Mount Ord

Elevation: 5,820 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 24

Archived: Yes, from date of installation

Site Description: Flat ground, Soil type – dirt/rocks/shrubs

Obstructions: No Obstructions

Equipment operates in the NWS ALERT Format. Transmission to the Flood Control District of Maricopa County via VHF radio. Detailed sensor information and additional photographs, next page.

Flood Control District of Maricopa County

Detailed Sensor Data

Sensor	ID #	Data Begins	Type	Manufacturer	Model	Height AGL (ft)	Units	Frequency of Data
Rain	82200	06/09/12	Tipping Bucket	Hydrolynx	5050P	12.1	mm	Variable
Temperature	82201	06/09/12	Capacitive Ceramic THERMOCAP	Vaisala	WXT510	14.1	deg F/C	15 minutes
Relative Humidity	82202	06/09/12	Film Polymer HUMICAP	Vaisala	WXT510	14.1	%	15 minutes
Dewpoint (calculated)	82216	06/09/12	---	---	---	---	deg F	15 minutes
Wind Speed	82204	06/09/12	Wind transducers (3 pcs)	Vaisala	WXT510	14.4	mph	15 minutes
Wind Direction	82205	06/09/12	Wind transducers (3 pcs)	Vaisala	WXT510	14.4	deg	15 minutes
Peak Wind	82206	06/09/12	---	---	---	---	mph	15 minutes
Barometric Pressure	82203	06/09/12	capacitive silicon BAROCAP	Vaisala	WXT510	14.1	mb, inHg	30 minutes



Water Year 2023 Weather Climate Summary Reports
Weather Station: Sycamore Creek (SYC)

Months	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°	Monthly Mean Temp	Monthly Mean Wind
	°F	Date	°F	Date	°F	°F	Date	MPH	Date	MPH	Total	Total	Total	Total	°F	MPH
October	77	10/2	34	10/24	58.4	50	10/22	33	10/3	8.5	0	0	0	0	58.4	8.5
November	61	11/1	28	11/4	44.7	45	11/2	38	11/16	9.9	0	0	0	3	44.7	9.9
December	65	12/26	25	12/14	43.3	50	12/4	35	12/25	8.5	0	0	0	6	43.3	8.5
January	55	1/12	22	1/23	38.9	42	12/30	54	1/3	10.7	0	0	0	14	38.9	10.7
February	57	2/20	19	2/15	39.6	41	2/20	37	2/7	12.0	0	0	0	12	39.6	12.0
March	61	3/28	23	3/2	43.8	46	3/11	M	M	M	0	0	0	4	43.8	M
April	79	4/29	26	4/4	57.8	35	4/11	M	M	M	0	0	0	2	57.8	M
May	79	5/14	44	5/5	62.9	53	5/17	M	M	M	0	0	0	0	62.9	M
June	92	6/26	51	6/1	71.9	45	6/12	30	6/27	5.8	0	0	1	0	71.9	5.8
July	100	7/15	63	7/31	84.9	64	7/31	35	7/3	5.7	0	1	29	0	84.9	5.7
August	93	8/17	62	8/24	79.2	61	8/18	25	8/26	5.5	0	0	2	0	79.2	5.5
September	85	9/26	59	9/13	72.1	62	9/12	32	9/30	6.1	0	0	0	0	72.1	6.1

	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°
2023 Totals	110	7/15	37	1/23	72.7	67	10/15	41	8/31	8.1	0	1	32	41

First 100F day: 07/15/2023
 Last 100F day: 07/15/2023
 First 90F day: 6/26/2023
 Last 90F day: 08/28/2023

To retrieve daily weather sensor statistics by month for the entire Water Year at each weather station, use the internet link below:
https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2023.xlsx

Thompson Peak Weather Station

Meta Data Summary

Scottsdale, Arizona

Date of Station Installation: 07/27/1989

Weather Sensors Installation: 12/19/1995



State: Arizona

County: Maricopa

Latitude: 33° 38' 32.7" (33.64242)

Longitude: 111°48' 33.2" (-111.80921)

TRS: T4N-R5E-Section 35

Location: 120th Street and Bell Road alignments

Time Zone: MST – all year

Data Repeater: Direct

Elevation: 3,485 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 23

Archived: Yes, from date of sensor installation

Site Description: flat ground, Soil type – dirt, gravel

Obstructions: None

Equipment operates in the NWS ALERT Format. Transmission to the Flood Control District of Maricopa County via VHF radio. Detailed sensor information and additional photographs, next page.

Flood Control District of Maricopa County

Detailed Sensor Data

Sensor	ID #	Data Begins	Type	Manufacturer	Model	Height AGL (ft)	Units	Frequency of Data
Rain	1900	Since 07/07/92 07/27/89- 07/07/92	Tipping Bucket	Hydrolynx	5050P	15.2	mm	Variable
Temperature	1901	12/19/95	Transducer, Radiation Shield	Hydrolynx	2048, 4550	14.2	deg F/C	15 minutes
Relative Humidity	1902	12/22/95	Polymer film, Radiation Shield	Hydrolynx	2048, 4550	14.2	%	15 minutes
Dewpoint (calculated)	1916	01/11/03	---	---	---	---	deg F	15 minutes



**Water Year 2023 Weather Climate Summary Reports
Weather Station: Thompson Peak (TMP)**

Months	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°	Monthly Mean Temp
	°F	Date	°F	Date	°F	°F	Date	Total	Total	Total	Total	°F
October	94	10/3	47	10/24	70.8	64	10/15	0	0	4	0	70.8
November	72	11/1	38	11/3	55.5	54	11/9	0	0	0	0	55.5
December	70	12/26	32	12/14	51.3	59	12/4	0	0	0	1	51.3
January	68	1/13	29	1/23	47.7	50	12/31	0	0	0	2	47.7
February	72	2/12	29	2/15	49.5	49	2/21	0	0	0	3	49.5
March	78	3/28	35	3/2	59.7	68	3/11	0	0	0	0	59.7
April	100	4/28	42	4/4	74.9	53	4/14	0	2	7	0	74.9
May	99	5/15	58	5/5	79.4	70	5/18	0	0	19	0	79.4
June	108	6/26	65	6/1	86.9	58	6/12	0	10	26	0	86.9
July	109	7/1	72	7/26	95.1	69	7/26	0	29	31	0	95.1
August	108	8/28	71	8/21	90.5	74	8/21	0	18	28	0	90.5
September	106	9/9	68	9/13	85.1	70	9/1	0	5	26	0	85.1

	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°	
2023 Totals	109	7/1	29	1/23	70.5	74	8/21	0	64	141	6

First 100F day: 04/28/2023

Last 100F day: 09/10/2023

First 90F day: 10/02/2022

Last 90F day: 09/30/2023

To retrieve daily weather sensor statistics by month for the entire Water Year at each weather station, use the internet link below:
https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2023.xlsx

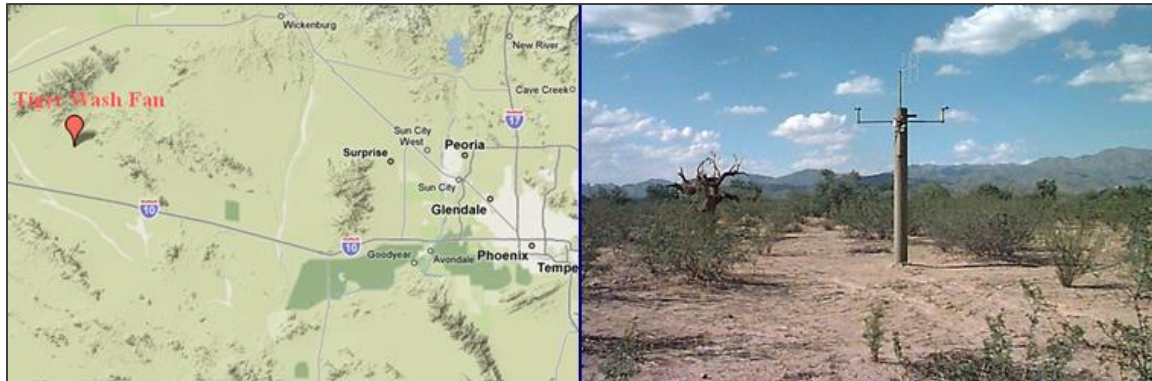
Tiger Wash Fan Weather Station

Meta Data Summary

Tonopah, Arizona

Date of Station Installation: 09/21/1994

Weather Sensors Installation: 09/21/1994



State: Arizona

County: Maricopa

Latitude: 33° 40' 12.8" (33.67021)

Longitude: 113°18' 50.0" (-113.31390)

TRS: T4N-R10W-Section 20

Location: Near mm 10 on Eagle Eye Road North of Salome Highway

Time Zone: MST – all year

Data Repeater: Burnt Mountain

Elevation: 1,615 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 22

Archived: Yes, from date of sensor installation

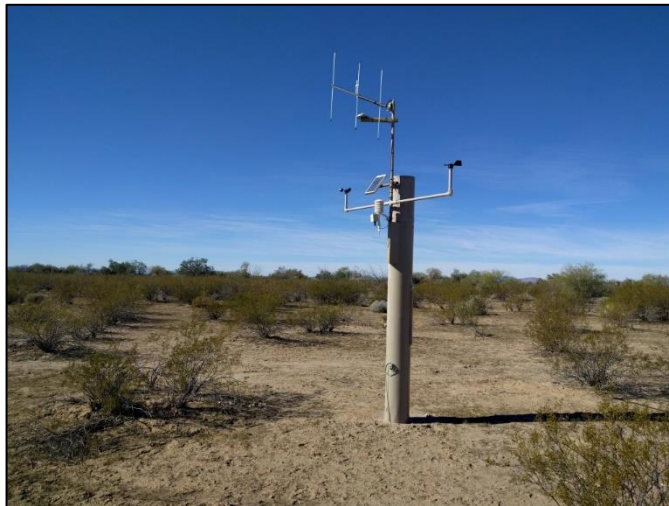
Site Description: Flat ground, Soil type –dirt/shrubs

Obstructions: No obstructions

Equipment operates in the NWS ALERT Format. Transmission to the Flood Control District of Maricopa County via VHF radio. Detailed sensor information and additional photographs, next page.

Detailed Sensor Data

Sensor	ID #	Data Begins	Type	Manufacturer	Model	Height AGL (ft)	Units	Frequency of Data
Rain	26800	09/21/94	Tipping Bucket	Hydrolynx	5050P	10.0	mm	Variable
Temperature	26801	09/21/94	Probe, Radiation Shield	Vaisala, Hydrolynx	HMP155, 4550	8.3	deg F/C	15 minutes
Relative Humidity	26802	09/21/94	Probe, Radiation Shield	Vaisala, Hydrolynx	HMP155, 4550	8.3	%	15 minutes
Dewpoint (calculated)	26816	09/21/94	---	---	---	---	deg F	15 minutes
Wind Speed	26804	09/21/94	3-cup	Hydrolynx	5050WS	10.0	mph	15 minutes
Wind Direction	26805	05/01/01	Pointer	Hydrolynx	5050WD	9.9	deg	15 minutes
Peak Wind	26806	09/21/94	---	---	---	---	mph	15 minutes
Solar Radiation	26811	09/23/94	Silicon photovoltaic cell	Hydrolynx	4015	12.2	watt/sq m	30 minutes
Barometric Pressure	26803	09/23/94	Solid state	Hydrolynx	1522	6.6	mb, inHg	30 minutes



Water Year 2023 Weather Climate Summary Reports
Weather Station: Tiger Wash Fan (TIG)

Months	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°	Monthly Mean Temp	Monthly Mean Wind
	°F	Date	°F	Date	°F	°F	Date	MPH	Date	MPH	Total	Total	Total	Total	°F	MPH
October	94	10/3	46	10/25	71.6	64	10/3	25	10/3	3.9	0	0	9	0	71.6	3.9
November	76	11/1	32	11/16	54.7	54	11/9	24	11/24	3.7	0	0	0	1	54.7	3.7
December	74	12/26	29	12/17	50.5	59	12/4	16	12/14	2.8	0	0	0	5	50.5	2.8
January	71	1/13	30	1/24	49.2	52	1/1	18	1/26	3.5	0	0	0	3	49.2	3.5
February	73	2/20	31	2/15	51.6	46	2/21	28	2/22	4.7	0	0	0	3	51.6	4.7
March	77	3/12	34	3/2	55.6	56	3/15	24	3/1	3.9	0	0	0	0	55.6	3.9
April	97	4/30	35	4/5	69.4	44	4/14	23	4/3	4.2	0	0	8	0	69.4	4.2
May	99	5/16	50	5/5	76.5	63	5/19	30	5/19	4.5	0	0	18	0	76.5	4.5
June	105	6/30	58	6/1	82.0	46	6/11	24	6/5	4.1	0	6	25	0	82.0	4.1
July	115	7/15	72	7/7	96.1	66	7/30	20	7/27	4.1	17	31	31	0	96.1	4.1
August	113	8/28	70	8/20	91.5	70	8/20	32	8/31	4.4	3	25	27	0	91.5	4.4
September	109	9/9	62	9/22	82.4	71	9/4	23	9/1	3.8	0	6	27	0	82.4	3.8

	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°
2023 Totals	115	7/15	29	12/17	69.3	71	9/4	32	8/31	4.0	20	68	145	12

First 100F day: 6/17/2023
 Last 100F day: 09/26/2023
 First 90F day: 10/01/2022
 Last 90F day: 09/29/2023

To retrieve daily weather sensor statistics by month for the entire Water Year at each weather station, use the internet link below:
https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2023.xlsx

Usery Mountain Park Weather Station

Meta Data Summary

Mesa, Arizona

Date of Station Installation: 02/24/1994

Weather Sensors Installation: 02/24/1994



State: Arizona

County: Maricopa

Latitude: 33° 28' 54.1" (33.4817)

Longitude: 111°36' 57.4" (-111.6159)

TRS: T2N-R7E-Section 27

Location: ¼ mile WNW of the Crismon Rd and Thomas Rd Alignment

Time Zone: MST – all year

Data Repeater: Direct

Elevation: 2,065 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 24

Archived: Yes, from date of sensor installation

Site Description: Flat ground, Soil type –dirt/shrubs

Obstructions: No obstructions

Equipment operates in the NWS ALERT Format. Transmission to the Flood Control District of Maricopa County via VHF radio. Detailed sensor information and additional photographs, next page.

Detailed Sensor Data

Sensor	ID #	Data Begins	Type	Manufacturer	Model	Height AGL (ft)	Units	Frequency of Data
Rain	8070 0	02/24/94	Tipping Bucket	Hydrolynx	5050P	11.1	mm	Variable
Temperature	8070 1	02/24/94	Probe, Radiation Shield	Vaisala, Hydrolynx	HMP155, 4550	11.9	deg F/C	15 minutes
Relative Humidity	8070 2	02/24/94	Probe, Radiation Shield	Vaisala, Hydrolynx	HMP155, 4550	11.9	%	15 minutes
Dewpoint (calculated)	8071 6	07/08/94	---	---	---	---	deg F	15 minutes
Wind Speed	8070 4	02/24/94	3-cup	Hydrolynx	5050WS	11.6	mph	15 minutes
Wind Direction	8070 5	05/01/01	Pointer	Hydrolynx	5050WD	11.7	deg	15 minutes
Peak Wind	8070 6	02/24/94	---	---	---	---	mph	15 minutes
Solar Radiation	8071 1	02/24/94	Silicon photovoltaic cell	Hydrolynx	4015	11.7	watt/sq m	30 minutes
Barometric Pressure	8070 3	02/24/94	Solid state	Hydrolynx	1522	9.9	mb, inHg	30 minutes



Water Year 2023 Weather Climate Summary Reports
Weather Station: Usery Mountain Park (USR)

Months	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°	Monthly Mean Temp	Monthly Mean Wind
	°F	Date	°F	Date	°F	°F	Date	MPH	Date	MPH	Total	Total	Total	Total	°F	MPH
October	95	10/3	49	10/24	74.0	67	10/15	37	10/1	2.0	0	0	8	0	74.0	2.0
November	79	11/1	39	11/4	58.3	57	11/9	31	11/30	2.0	0	0	0	0	58.3	2.0
December	72	12/25	33	12/14	53.3	61	12/4	27	12/2	1.0	0	0	0	0	53.3	1.0
January	74	1/13	30	1/24	51.0	53	1/1	32	1/12	2.0	0	0	0	1	51.0	2.0
February	75	2/12	33	2/15	53.5	52	2/21	37	2/2	3.0	0	0	0	0	53.5	3.0
March	78	3/28	33	3/2	57.6	57	3/21	34	3/31	2.0	0	0	0	0	57.6	2.0
April	99	4/30	40	4/5	72.4	46	4/11	51	4/5	2.4	0	0	6	0	72.4	2.4
May	99	5/16	56	5/6	79.9	61	5/17	58	5/1	3.0	0	0	20	0	79.9	3.0
June	107	6/26	65	6/8	86.2	53	6/28	48	6/27	2.3	0	12	28	0	86.2	2.3
July	113	7/19	74	7/26	98.5	73	7/26	51	7/14	2.3	14	31	31	0	98.5	2.3
August	112	8/28	71	8/31	93.7	77	8/27	43	8/8	2.4	4	28	30	0	93.7	2.4
September	109	9/9	68	9/13	86.7	71	9/13	40	9/21	1.8	0	11	30	0	86.7	1.8

	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°
2023 Totals	113	7/19	30	1/24	72.1	77	8/27	58	5/1	2.2	18	82	153	1

First 100F day: 6/05/2023
 Last 100F day: 09/27/2023
 First 90F day: 10/01/2022
 Last 90F day: 09/30/2023

To retrieve daily weather sensor statistics by month for the entire Water Year at each weather station, use the internet link below:
https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2023.xlsx

Wickenburg Airport Weather Station

Meta Data Summary

Wickenburg, Arizona

Date of Station Installation: 08/03/1994

Weather Sensors Installation: 08/03/1994



State: Arizona

County: Maricopa

Latitude: 33° 57' 53.5" (33.9649)

Longitude: 112° 48' 14.4" (-112.8040)

TRS: T7N-R5W-Section 08

Location: 4.5 miles west of the US 60/93 junction

Time Zone: MST – all year

Data Repeater: Yarnell Hill

Elevation: 2,380 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 22

Archived: Yes, from date of sensor installation

Site Description: Flat ground, Soil type – dirt/rock

Obstructions: No obstructions

Equipment operates in the NWS ALERT Format. Transmission to the Flood Control District of Maricopa County via VHF radio. Detailed sensor information and additional photographs, next page.

Detailed Sensor Data

Sensor	ID #	Data Begins	Type	Manufacturer	Model	Height AGL (ft)	Units	Frequency of Data
Rain	52800	08/03/94	Tipping Bucket	Hydrolynx	5050P	11.9	mm	Variable
Temperature	52801	08/03/94	Transducer, Radiation Shield	Hydrolynx	2048, 4550	12.0	deg F/C	15 minutes
Relative Humidity	52802	08/03/94	Polymer film, Radiation Shield	Hydrolynx	2048, 4550	12.0	%	15 minutes
Dewpoint (calculated)	52816	08/03/94	---	---	---	---	deg F	15 minutes
Wind Speed	52804	08/03/94	3-cup	Hydrolynx	5050WS	11.7	mph	15 minutes
Wind Direction	52805	05/01/01	Pointer	Hydrolynx	5050WD	11.8	deg	15 minutes
Peak Wind	52806	08/05/94	---	---	---	---	mph	15 minutes
Solar Radiation	52811	08/03/94	Silicon photovoltaic cell	Hydrolynx	4015	11.6	watt/sq m	30 minutes
Barometric Pressure	52803	08/03/94	Solid state	Hydrolynx	1522	8.7	mb, inHg	30 minutes



Water Year 2023 Weather Climate Summary Reports
Weather Station: Wickenburg Airport (WBG)

Months	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°	Monthly Mean Temp	Monthly Mean Wind
	°F	Date	°F	Date	°F	°F	Date	MPH	Date	MPH	Total	Total	Total	Total	°F	MPH
October	92	10/13	40	10/25	69.5	64	10/2	34	10/5	3.2	0	0	6	0	69.5	3.2
November	75	11/1	34	11/18	53.3	55	11/9	25	11/13	3.8	0	0	0	0	53.3	3.8
December	76	12/26	28	12/14	49.6	61	12/4	21	12/12	2.7	0	0	0	9	49.6	2.7
January	72	1/13	28	1/24	47.5	52	12/30	36	1/1	3.4	0	0	0	7	47.5	3.4
February	71	2/4	28	2/16	50.2	49	2/21	52	2/14	4.9	0	0	0	5	50.2	4.9
March	74	3/11	33	3/3	53.9	56	3/15	39	3/1	3.6	0	0	0	0	53.9	3.6
April	96	4/30	32	4/5	67.0	45	4/14	53	4/4	4.3	0	0	6	1	67.0	4.3
May	95	5/16	46	5/6	74.9	54	5/19	50	5/19	4.0	0	0	15	0	74.9	4.0
June	105	6/30	56	6/1	80.9	43	6/17	32	6/11	3.8	0	3	23	0	80.9	3.8
July	113	7/15	68	7/8	95.5	60	7/27	50	7/26	3.9	14	31	31	0	95.5	3.9
August	109	8/28	68	8/21	90.0	62	8/7	51	8/17	4.0	0	23	28	0	90.0	4.0
September	106	9/9	59	9/29	81.2	64	9/1	42	9/10	3.4	0	5	26	0	81.2	3.4

	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°
2023 Totals	113	7/15	28	12/15	67.8	64	10/2	53	4/4	3.8	14	62	135	22

First 100F day: 6/25/2023
 Last 100F day: 09/10/2023
 First 90F day: 10/01/2022
 Last 90F day: 09/29/2023

To retrieve daily weather sensor statistics by month for the entire Water Year at each weather station, use the internet link below:
https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2023.xlsx