



Belmont Mountains Weather Station



**Annual Hydrologic Data Report  
Volume III: Weather Statistics  
Water Year 2022**

## 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 2022”. 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  
(602) 506-1501**

or can be downloaded from our Web Page at:

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

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*All Sections and Weather 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 2022. 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.

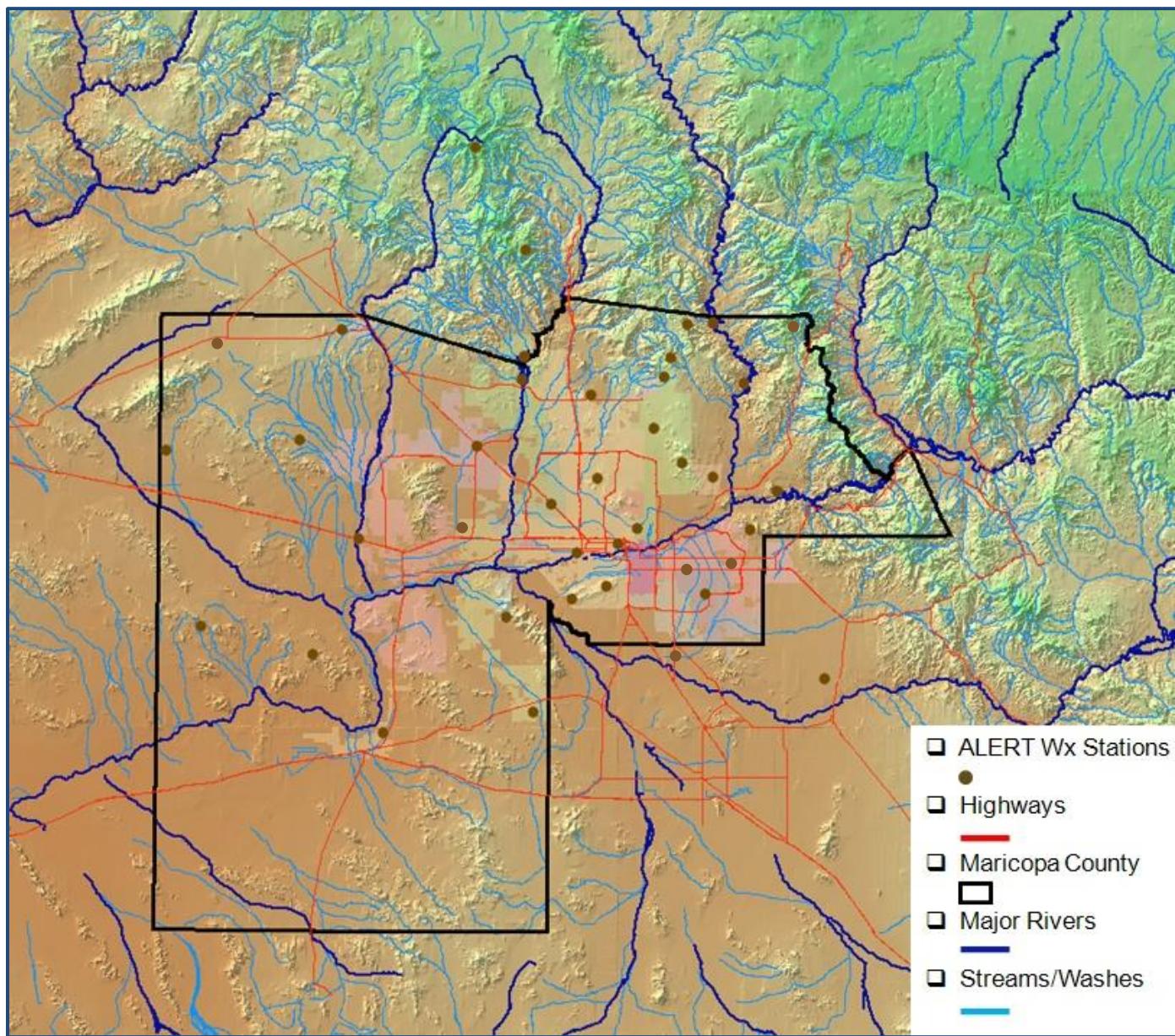
All weather stations report temperature and relative humidity; many also report a combination of wind direction, wind speed, barometric pressure and solar radiation. In addition, dewpoint temperature is calculated every 15 minutes at all weather stations using the temperature and relative humidity data. 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 “2022 Water Year” which began on Oct. 1<sup>st</sup>, 2021 and ended Sept. 30<sup>th</sup>, 2022. 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 is 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 farenheight (°F). The daily maximum, minimum, and mean dewpoint data is also in degrees farenheight (°F). The daily maximum and minimum relative humidity data is in percent (%). The daily maximum peak wind data is in miles per hour (mph). The daily maximum and minimum barometric pressure is in millibars (mb). The daily maximum solar radiation data is in watts per square meter (w/m<sup>2</sup>).
- All data presented in the weather summaries areis 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](mailto:FloodInfo@maricopa.gov) or sent directly to Daniel Henz at [daniel.henz@maricopa.gov](mailto:daniel.henz@maricopa.gov)

**Figure 1: General Map of ALERT Weather Station Locations  
as of 09/30/2022**



## **New Installations in Water Year 2022**

There were no new weather stations installed during Water Year 2022

## **Station Changes in Water Year 2022**

There were no weather stations moved in Water Year 2022

# Table 1: ALERT System Weather Stations WY 2022

Station Name	Data Begins	T-R-S	Latitude	Longitude	Elev.	Location
<a href="#">Aquila VFD</a>	03/26/15	7N-9W-22	33 56 27.4	113 10 19.8	2170	Located behind Aguila Volunteer Fire Department in field
<a href="#">Bartlett Lake *</a>	08/31/00	6N-7E-28	33 50 18.3	111 38 06.2	1780	Bartlett Lake Sheriff Sub-station
<a href="#">Belmont Mountains *</a>	03/20/07	4N-6W-30	33 39 26.5	112 54 42.0	1860	4.8 mi. SW of the intersection of Aguila and Wickenburg Roads
<a href="#">Buckeye FRS #1 *</a>	03/01/97	1N-5W-03	33 27 27.9	112 44 59.9	1075	West end of Buckeye FRS #1, I-10 @ Hassayampa River
<a href="#">Camelback @ Loop 303</a>	01/22/15	2N-2W-22	33 30 30.7	112 25 11.3	1115	Northwest corner of Camelback Rd and Loop 303
<a href="#">Carefree Ranch *</a>	11/02/87	6N-5E-16	33 51 10.7	111 51 51.8	2960	3.5 mi. NE of Skyranch Airport
<a href="#">City of Glendale *</a>	12/19/95	2N-2E-06	33 32 37.1	112 11 36.8	1150	Grand Avenue at 63rd Avenue
<a href="#">Crossroads Park *</a>	12/18/95	1S-6E-21	33 19 39.7	111 44 48.1	1270	1/2 mi. NW of Ray Rd. and Greenfield Rd.
<a href="#">Desert Mtn. School *</a>	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.
<a href="#">Durango Complex *</a>	10/31/91	1N-2E-14	33 25 35.9	112 07 07.0	1050	27th Ave. and Durango St.
<a href="#">EMF@ Arizona Ave</a>	06/06/12	3S-5E-15	33 10 09.6	111 50 33.3	1215	Arizona Ave/Hwy 587 at EMF
<a href="#">Estrella Fan *</a>	12/02/92	2S-1W-12	33 16 10.1	112 19 15.4	1455	Alignments of El Mirage Rd. and Germann Rd.
<a href="#">Fountain Hills *</a>	07/23/97	3N-6E-15	33 36 40.1	111 43 30.5	1665	At Palisades Blvd. Fire Station, nr xsecn with Fntn. Hills Blvd.
<a href="#">G&amp;F Woolsey Peak *</a>	06/25/03	3S-6W-09	33 10 23.9	112 52 51.1	1985	8 miles southwest of Gillespie Dam
<a href="#">Gateway C. College *</a>	09/10/04	1N-3E-12	33 27 00.8	111 59 53.0	1145	40th St. at Van Buren
<a href="#">Gila Bend Landfill *</a>	01/17/02	5S-4W-20	32 59 21.5	112 40 30.5	750	3 mi. North of the intersection of US 80 and I-8
<a href="#">Gila Bend Mountains *</a>	06/01/88	2S-9W-17	33 14 29.2	113 12 18.0	1560	16 mi. NW of Painted Rock Dam off Agua Caliente Rd.
<a href="#">Horseshoe Lake *</a>	09/06/00	7N-6E-09	33 59 08.4	111 43 15.5	2085	Horseshoe Lake – SW Corner near Boat Rramp
<a href="#">Horsethief Basin *</a>	03/28/88	9N-1E-33	34 09 44.5	112 16 13.9	6705	At HB Recreation Area, 6 mi. SE of Crown King
<a href="#">Humboldt Mtn. *</a>	06/13/96	7N-5E-06	33 58 50.7	111 47 52.6	5205	13 mi. NE of the Town of Cave Creek
<a href="#">Jefferson Park</a>	12/21/16	1N-7E-19	33 24 29.5	111 40 47.9	1400	SW side of Jefferson Park, just N of Broadway Rd
<a href="#">Jomax @ 70th *</a>	06/26/97	5N-4E-36	33 43 37.0	111 55 49.2	2010	1/8 mi. W of 70 <sup>th</sup> St on Jomax Rd.
<a href="#">Kleinman Park</a>	12/21/16	1N-5E-28	33 24 03.1	111 51 07.0	1220	SW side of Kleinman Park, just N of 8 <sup>th</sup> Ave.
<a href="#">Lake Pleasant *</a>	11/13/08	6N-1E-20	33 50 50.6	112 16 41.0	1815	South end of Lake Pleasant
<a href="#">Lake Pleasant North *</a>	04/24/01	7N-1E-33	33 54 16.7	112 16 15.0	1750	On Deer Island, north end of Lake Pleasant
<a href="#">Magma FRS *</a>	12/19/95	4S-9E-35	33 07 10.7	111 24 12.2	1605	7 mi. NNW of Florence
<a href="#">McMicken Dam *</a>	06/02/04	4N-2W-24	33 40 37.2	112 25 24.6	1350	N. end of the dam, 1/4 mi SE of Deer Valley Rd and Cotton Ln
<a href="#">Mobile *</a>	04/04/08	4S-1E-34	33 02 18.4	112 14 38.7	1340	2 miles SE of Mobile
<a href="#">Mt. Union *</a>	12/11/87	12N-2W-01	34 24 42.2	112 25 05.5	7495	Top of Mt. Union, 10 mi. SSE of Prescott
<a href="#">Osborn @ 64th St. *</a>	01/16/98	2N-4E-27	33 29 06.4	111 56 33.6	1255	200 yards east of Osborn Rd. @ 64th St.
<a href="#">Phoenix Dam 2B *</a>	06/29/09	3N-3E-16	33 36 13.2	112 03 52.7	1425	Near Thunderbird and 7th St.
<a href="#">Rackensack Canyon *</a>	11/28/07	7N-5E-33	33 54 05.9	111 50 42.2	4475	8 miles NE of Cave Creek
<a href="#">Saquaro Lake *</a>	01/24/00	2N-8E-27	33 34 29.8	111 32 14.9	1550	MCSO yard, NW corner of the Lake
<a href="#">South Mountain Fan *</a>	06/09/93	1S-2E-26	33 18 54.6	112 08 01.1	1270	Alignments of Ray Rd. and 35th Ave. in S. Mtn. Park
<a href="#">South Mountain Park *</a>	12/15/87	1S-3E-11	33 20 39.8	112 01 59.1	2350	Alignments of Elliot Rd. and 24th St.
<a href="#">Sycamore Creek Upper</a>	06/26/13	8N-9E-31	33 59 15.40	111 27 51.50	5825	Approx 8-10mi NNW of Hwy 87 and FR 626 turn off
<a href="#">Thompson Peak *</a>	12/19/95	4N-5E-35	33 38 33.2	111 48 32.9	3995	Near Thompson Peak, 120th St. and Bell Rd. alignments
<a href="#">Tiger Wash Fan *</a>	09/21/94	4N-10W-20	33 40 09.5	113 18 48.4	1605	1 mi. W of Eagle Eye Rd. and 4 mi. N of Salome Highway
<a href="#">Usery Park WS *</a>	02/24/94	2N-7E-27	33 28 52.6	111 36 57.1	2065	1/4 mi. WNW of the Crismon Rd. and Thomas Rd. alignments
<a href="#">Wickenburg Airport *</a>	08/03/94	7N-5W-08	33 57 53.5	112 48 14.4	2385	4.5 mi. West of the US 60 / US 93 junction

\* Stations include climate summary

**Table 2: ALERT Weather Stations Sensor ID Matrix WY 2022**

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

\* Station includes Climate Summary

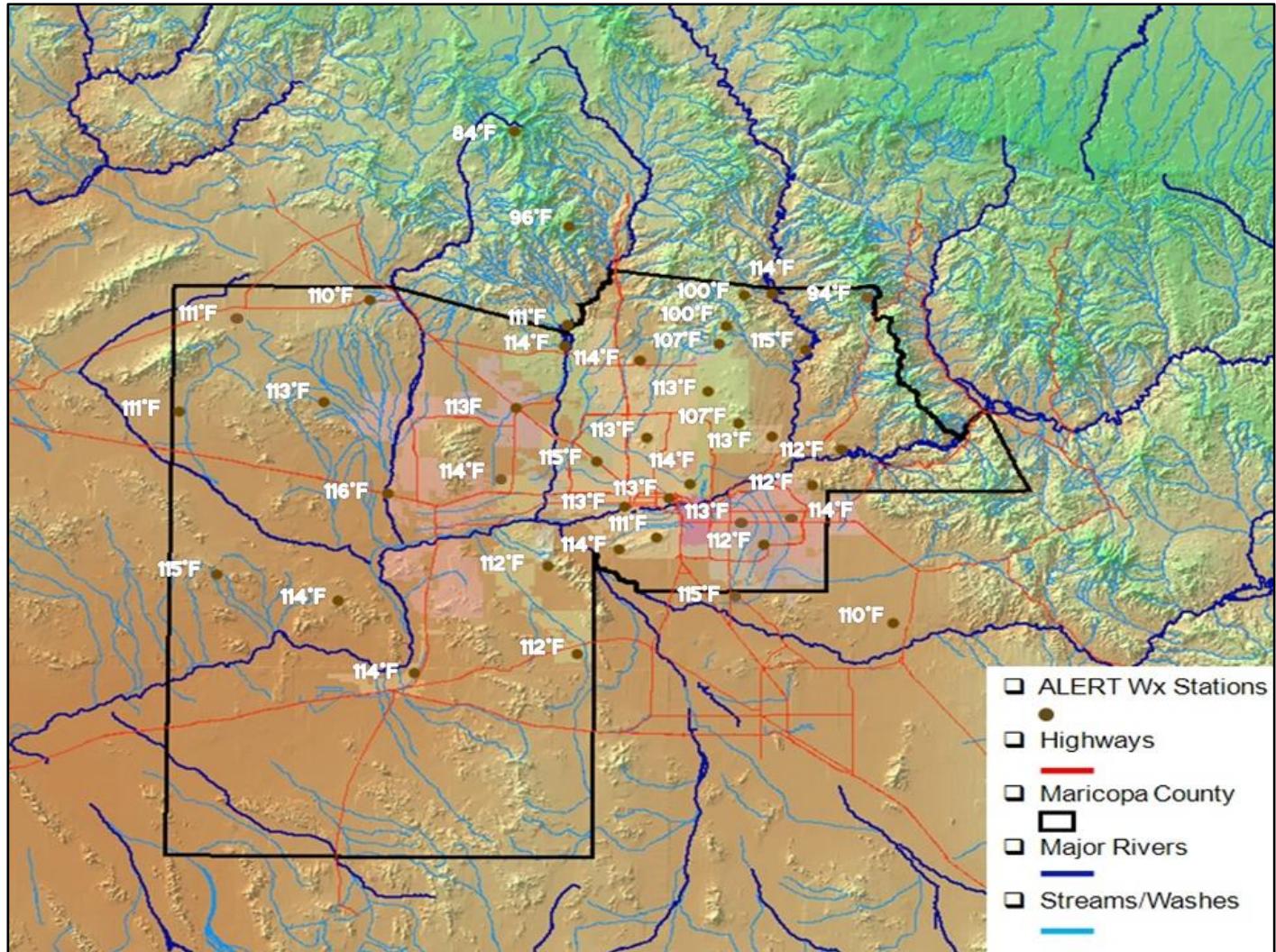
----- Sensor not installed at this station

### Table 3: Temperature Summary Water Year 2022

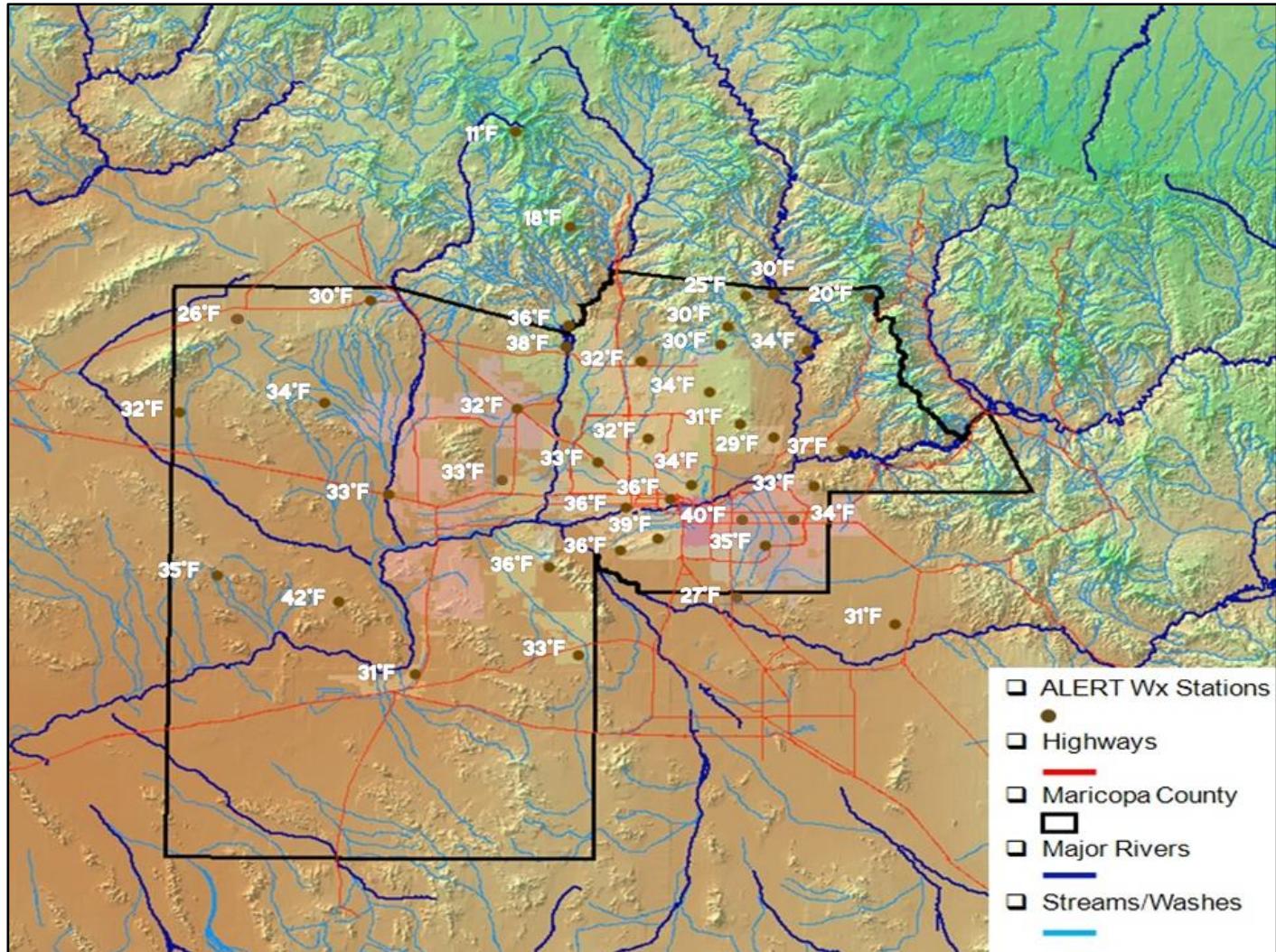
Station Name	Sensor ID	Elev. (ft)	Max (°F)	Date	Min (°F)	Date	Avg Max (°F)	Avg Min (°F)	Mean (°F)
Aguila VFD	28301	2,170	111	7/16/2022	26	1/2/2022	84.2	55.5	70.3
Bartlett Lake *	82701	1,780	115	7/11/2022	34	2/24/2022	87.7	61.3	74.1
Belmont Mountains *	46301	1,860	113	7/16/2022	34	2/24/2022	86.4	63.9	75.5
Buckeye FRS #1 *	44001	1,075	116	7/16/2022	33	2/24/2022	89.3	61.3	75.8
Camelback @ Loop 303	87501	1,115	114	7/16/2022	33	2/24/2022	87.9	60.6	75.0
Carefree Ranch *	21001	2,960	107	7/11/2022	30	2/24/2022	81.0	60.1	70.8
City of Glendale *	6501	1,150	115	7/11/2022	33	1/2/2022	88.2	64.2	76.3
Crossroads Park *	33001	1,270	112	6/10/2022	35	2/24/2022	88.2	61.3	75.0
Desert Mtn. School *	18701	1,810	114	7/9/2022	32	1/3/2022	86.1	59.6	73.6
Durango Complex *	3301	1,050	113	7/11/2022	36	1/2/2022	88.9	65.5	77.3
EMF@ Arizona Ave	35201	1,215	115	7/11/2022	27	2/3/2022	89.0	59.4	74.6
Estrella Fan *	84201	1,455	112	7/11/2022	36	2/24/2022	88.0	66.3	77.7
Fountain Hills *	76701	1,665	113	7/11/2022	29	2/24/2022	86.1	61.0	73.5
G&F Woolsey Peak *	23201	1,985	113	7/16/2022	42	1/2/2022	86.5	71.0	78.9
Gateway C. College *	3001	1,145	113	7/16/2022	36	1/2/2022	88.6	66.3	77.3
Gila Bend Landfill *	42501	750	114	8/31/2022	31	2/3/2022	89.3	61.7	75.5
Gila Bend Mountains *	41501	1,560	114	7/16/2022	35	2/24/2022	85.8	65.2	75.5
Horseshoe Lake *	82501	2,085	114	7/11/2022	30	2/5/2022	87.5	57.9	72.4
Horsethief Basin *	16001	6,705	96	7/16/2022	18	2/24/2022	68.9	52.9	60.0
Humboldt Mtn. *	1201	5,205	100	7/11/2022	25	2/23/2022	73.4	57.6	64.5
Jefferson Park	34901	1,400	114	7/11/2022	34	1/3/2022	87.7	63.5	75.4
Jomax @ 70th *	60801	2,180	113	7/16/2022	34	1/2/2022	86.5	62.8	74.5
Kleinman Park	30801	1,220	113	7/11/2022	40	1/2/2022	89.5	66.0	77.6
Lake Pleasant *	15001	1,815	114	7/16/2022	38	2/24/2022	87.0	66.4	76.3
Lake Pleasant North	15301	1,750	111	7/11/2022	36	2/24/2022	84.7	65.0	74.5
Magma FRS *	42301	1,605	110	6/16/2022	31	2/3/2022	86.6	60.7	73.9
McMicken Dam *	71701	1,350	113	7/16/2022	32	2/24/2022	87.2	61.0	74.8
Mobile *	84701	1,340	112	7/11/2022	33	12/18/2021	88.4	62.3	75.8
Mt. Union *	1001	7,495	84	7/22/2022	11	2/3/2022	60.3	46.4	52.7
Osborn @ 64th St. *	56001	1,255	114	7/11/2022	34	2/3/2022	88.6	62.7	75.8
Phoenix Dam 2B *	9901	1,425	113	7/11/2022	32	1/2/2022	87.5	62.3	75.4
Rackensack Canyon *	76501	4,475	100	7/11/2022	30	2/24/2022	75.8	61.4	68.4
Saguaro Lake *	63501	1,550	112	6/11/2022	37	1/2/2022	89.0	62.7	75.6
South Mountain Fan *	70501	1,270	114	7/11/2022	36	1/2/2022	89.4	65.8	78.1
South Mountain Park *	68501	2,350	111	7/11/2022	39	2/24/2022	84.8	68.3	76.5
Sycamore Creek Upper	82201	5,825	94	7/16/2022	20	2/24/2022	69.0	54.1	61.1
Thompson Peak *	1901	3,995	107	7/11/2022	31	1/2/2022	81.2	63.1	71.6
Tiger Wash Fan *	26801	1,605	111	7/22/2022	32	1/2/2022	85.7	59.7	72.9
Usery Park WS *	80701	2,065	112	7/11/2022	33	1/2/2022	85.1	63.9	74.6
Wickenburg Airport *	52801	2,385	110	7/16/2022	30	1/2/2022	84.1	57.2	71.4

\* Station includes Climate Summary

## Figure 2: Map of Maximum Temperatures Water Year 2022



### Figure 3: Map of Minimum Temperatures Water Year 2022



## Table 4: Daily Temperature Tallies WY2022

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	58	1	18
Bartlett Lake *	82701	1,780	96	18	0
Belmont Mountains *	46301	1,860	80	8	0
Buckeye FRS #1 *	44001	1,075	113	26	0
Camelback @ Loop 303	87501	1,115	101	16	0
Carefree Ranch *	21001	2,960	32	0	2
City of Glendale *	6501	1,150	105	23	2
Crossroads Park *	33001	1,270	79	2	0
Desert Mtn. School *	18701	1,810	83	9	2
Durango Complex *	3301	1,050	103	10	0
EMF@ Arizona Ave	35201	1,215	110	19	6
Estrella Fan *	84201	1,455	99	6	0
Fountain Hills *	76701	1,665	89	12	1
G&F Woolsey Peak *	23201	1,985	89	16	0
Gateway C. College *	3001	1,145	108	17	0
Gila Bend Landfill *	42501	750	103	17	1
Gila Bend Mountains *	41501	1,560	96	20	0
Horseshoe Lake *	82501	2,085	97	20	3
Horsethief Basin *	16001	6,705	0	0	37
Humboldt Mtn. *	1201	5,205	1	0	12
Jefferson Park	34901	1,400	101	15	0
Jomax @ 70th *	60801	2,180	88	11	0
Kleinman Park	30801	1,220	101	13	0
Lake Pleasant *	15001	1,815	92	17	0
Lake Pleasant North	15301	1,750	71	3	0
Magma FRS *	42301	1,605	99	7	1
McMicken Dam *	71701	1,350	88	10	1
Mobile *	84701	1,340	105	12	0
Mt. Union *	1001	7,495	0	0	50
Osborn @ 64th St. *	56001	1,255	102	17	0
Phoenix Dam 2B *	9901	1,425	91	11	1
Rackensack Canyon *	76501	4,475	1	0	4
Saguaro Lake *	63501	1,550	96	15	0
South Mountain Fan *	70501	1,270	111	13	0
South Mountain Park *	68501	2,350	83	3	0
Sycamore Creek Upper	82201	5,825	0	0	15
Thompson Peak *	1901	3,995	38	0	4
Tiger Wash Fan *	26801	1,605	63	4	2
Usery Park WS *	80701	2,065	81	5	0
Wickenburg Airport *	52801	2,385	51	2	3

\* Station includes Climate Summary

**Table 5: Temperature Statistics for Water Years 2011 Through 2022**

Statistic	WY	Location	Value
<b>Highest Daily Maximum Temperature</b>	- 2022 - 2021 - 2020 - 2019 - 2018 - 2017 - 2016 - 2015 - 2014 - 2013 - 2012	Buckeye FRS #1 Crossroads Park, Phoenix Dam 2B Buckeye FRS #1 South Mt. Fan, Buckeye FRS #1 Gateway CC, South Mt. Fan Gila Bend Landfill Buckey FRS #1, McMicken Dam Gila Bend Mts. Gila Bend Landfill Belmont Mountains DGO, GCC, GBL, SMF	116°F 119°F 121°F 117°F 118°F 122°F 118°F 120°F 121°F 118°F 120°F
<b>Lowest Daily Minimum Temperature</b>	- 2022 - 2021 - 2020 - 2019 - 2018 - 2017 - 2016 - 2015 - 2014 - 2013 - 2012	Mt. Union Mt. Union	11°F 13°F 6°F 6°F 13°F 15°F 9°F 13°F 9°F 6°F 14°F
<b>Highest Number of Days with Temperature <math>\geq 100^{\circ}\text{F}</math></b>	- 2022 - 2021 - 2020 - 2019 - 2018 - 2017 - 2016 - 2015 - 2014 - 2013 - 2012	Buckeye FRS #1 Kleinman Park Gila Bend Landfill Gateway Community College Gila Bend Landfill Crossroads Park Osborn @ 64 <sup>th</sup> St Gila Bend Mtns Gila Bend Landfill Gila Bend Landfill Gila Bend Landfill	113 127 140 109 135 123 106 116 123 130 140
<b>Highest Number of Days with Temperature <math>\geq 110^{\circ}\text{F}</math></b>	- 2022 - 2021 - 2020 - 2019 - 2018 - 2017 - 2016 - 2015 - 2014 - 2013 - 2012	Buckeye FRS #1 Kleinman Park Buckeye FRS #1 South Mountain Fan Gila Bend Landfill Gila Bend Landfill Buckeye FRS #1 Gila Bend Mtns Gila Bend Landfill Gila Bend Landfill South Mtn Fan	26 35 67 40 28 58 38 37 50 68 43
<b>Highest Number of Days with Temperature <math>\leq 32^{\circ}\text{F}</math></b>	- 2022 - 2021 - 2020 - 2019 - 2018 - 2017 - 2016 - 2015 - 2014 - 2013 - 2012	Mt. Union Mt. Union	50 <b>57</b> 97 102 57 53 67 44 55 71 82
<b>Highest Annual Average Maximum Temperature</b>	- 2022 - 2021 - 2020 - 2019 - 2018 - 2017 - 2016 - 2015 - 2014 - 2013 - 2012	Kleinman Park Crossroads Park South Mountain Fan Gateway Community College Gila Bend Landfill Gila Bend Landfill McMicken Dam McMicken Dam Gila Bend Landfill Gila Bend Landfill Gila Bend Landfill	89.5°F 89.8°F 90.1°F 86.8°F 91.0°F 90.1°F 88.2°F 89.6°F 91.0°F 91.4°F 90.2°F
<b>Lowest Annual Average Minimum Temperature</b>	- 2022 - 2021 - 2020 - 2019 - 2018 - 2017 - 2016 - 2015 - 2014 - 2013 - 2012	Mt. Union Mt. Union	46.4°F 48.7°F 44.0°F 41.9°F 49.5°F 49.5°F 47.1°F 46.5°F 44.6°F 44.0°F 44.9°F

Statistic	WY	Location	Value
Average <u>Annual</u> Maximum Temperature for All Stations	- 2022 - 2021 - 2020 - 2019 - 2018 - 2017 - 2016 - 2015 - 2014 - 2013 - 2012		84.7°F 84.5°F 84.0°F 80.9°F 85.6°F 83.1°F 83.3°F 84.8°F 84.5°F 84.8°F 85.0°F
Average <u>Annual</u> Minimum Temperature for All Stations	- 2022 - 2021 - 2020 - 2019 - 2018 - 2017 - 2016 - 2015 - 2014 - 2013 - 2012		61.7°F 61.1°F 60.9°F 59.1°F 62.8°F 63.4°F 60.4°F 61.6°F 60.1°F 60.6°F 60.4°F
Average <u>Annual</u> Mean Temperature for All Stations	- 2022 - 2021 - 2020 - 2019 - 2018 - 2017 - 2016 - 2015 - 2014 - 2013 - 2012		73.3°F 72.9°F 72.5°F 70.1°F 74.2°F 73.3°F 71.9°F 72.8°F 72.2°F 72.8°F 72.7°F

# Brief Summary of Water Year 2022

Water Year 2022 started on the heels of the third wettest monsoon season on record for the Phoenix area according to the ALERT network (trailing only WY 1984 and WY 2014). Furthermore, below average temperatures were recorded during the months of July, August, and September. Monsoon activity quickly came to a halt near the start of September with the pattern quickly transitioning towards fall. Mostly dry conditions and above average temperatures were observed during October and November. La Niña conditions re-emerged across the Equatorial Pacific during the autumn months before peaking during the winter and lasting into the subsequent spring. Drier conditions were observed during early winter before several wet systems brought widespread lower desert rain and higher terrain snow in both late December and early January.

The spring season was once again highlighted by warmer than normal temperatures. Unfortunately, precipitation events remained few and far between through most of the spring. Drier than normal precipitation was observed in consecutive months from January throughout May. Given the prolonged dryness of the previous six months, short and long term drought conditions continued to spread across most of Arizona. The state experienced another enhanced wildfire season similar to what was observed in WY2020 and WY 2021. Several devastating wildfires occurred across Arizona's higher terrain regions with the focus within Coconino National Forest. June got off to a very hot start with multiple daily heat records being broken during the first two weeks of the month. Luckily, the onset of the summer monsoon arrived over a week early for most of the state. Several early season storm events occurred the last two weeks in June lending to above average precipitation for the month. Any worries of a false start to the season were quickly laid to rest as the region experienced an incredibly active July and August with multiple widespread rain and flooding events. When all was said and done, above to well above normal precipitation was recorded for the majority of southcentral AZ in July, August, and September to go along with above normal temperatures. More detailed weather and rainfall information on the monsoon can be found [here](#).

**TABLE 6: WY 2022 Temperature Statistics Across the ALERT Network**

	Avg Temp (°F)	Avg Max Temp (°F)	Avg Min Temp (°F)
<b>Value</b>	73.3	84.7	61.7
<b>Anomaly</b>	+1.5	+0.9	+1.0
<b>Rank</b>	Tied 2 <sup>nd</sup> Warmest	3 <sup>rd</sup> Warmest	4 <sup>th</sup> Warmest

Table 6 above shows temperature data averaged across the entire ALERT weather station network. Values were calculated using WY2022 data. Anomalies and ranks were calculated using data from the entire period of record. Overall, the average temperature across all stations for WY 2022 was 73.3 °F, which was 1.5 °F warmer than the long term average of 71.7 °F. This ranked as a tie for the second warmest water year on record (data back to WY 2000) with WY2017. Looking at the anomaly data (not shown), thirty-six of the weather stations were warmer than average with six stations experiencing their warmest average temperatures on record.

The average maximum temperature across all stations was 84.7 °F, which was 0.9 °F warmer than the long term average of 83.9 °F. This ranked as the third warmest water year on record (data back to WY 2010). Thirty-two of the weather stations were warmer than average with six stations experiencing their warmest average maximum temperatures on record. It's worth noting, no weather stations set daily maximum temperature records as shown in Figure 2 above.

The average minimum temperature across all stations was 61.7°F, which was 1.0°F warmer than the long term average of 60.7°F. WY 2022 ranked as the fourth warmest on record (data back to WY 2010). Five of the weather stations experienced their warmest average minimum temperatures. Interestingly enough, six of the weather stations average minimum temperatures were colder than the long-term average but none registered their coldest minimum average temperature on record. None of the weather stations set daily minimum temperature records as denoted in Figure 3 above.

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*Click on a Weather Station to link to its Weather Summary*

# Aguila VFD Weather Station

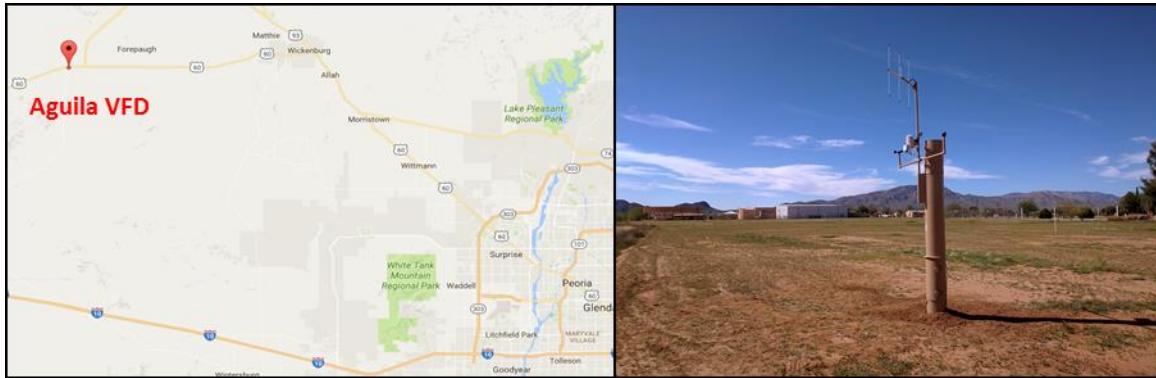
## Meta Data Summary



**Aguila, Arizona**

**Date of Station Installation: 09/01/2001**

**Weather Sensors Installed: 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 2022 Weather Climate Summary Reports

Weather Station: Aguila Fire Departemnt (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	Date	°F	Date	MPH	Date	MPH	Total	Total	Total	Total	°F	MPH
October	94	10/4	40	10/13	67.4	62	10/5	47	10/11	3.0	0	0	3	0	67.4	3.0	
November	88	11/4	40	11/26	63.3	44	11/1	16	11/8	1.7	0	0	0	0	63.3	1.7	
December	84	12/1	29	12/16	52.4	53	12/24	46	12/14	2.6	0	0	0	3	52.4	2.6	
January	75	1/14	26	1/2	51.4	46	1/18	28	1/1	1.9	0	0	0	4	51.4	1.9	
February	80	2/11	28	2/4	53.3	41	2/23	45	2/23	3.3	0	0	0	9	53.3	3.3	
March	92	3/25	32	3/7	60.8	51	3/29	42	3/16	4.1	0	0	2	2	60.8	4.1	
April	93	4/19	34	4/13	69.9	50	4/11	42	4/19	4.3	0	0	7	0	69.9	4.3	
May	100	5/14	50	5/11	78.0	51	5/21	34	5/8	4.6	0	3	19	0	78.0	4.6	
June	109	6/10	56	6/20	87.8	82	6/26	25	6/29	4.5	0	20	30	0	87.8	4.5	
July	111	7/16	68	7/7	90.5	76	7/29	35	7/17	4.4	1	20	30	0	90.5	4.4	
August	107	8/30	70	8/12	85.8	77	8/18	36	8/18	3.0	0	7	29	0	85.8	3.0	
September	104	9/2	59	9/18	82.3	75	9/22	31	9/2	3.2	0	8	26	0	82.3	3.2	

	Maximum Temp	Minimum Temp	Mean Temp	Max Dewpoint	Peak Wind	Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°						
2022 Totals	111	7/16	26	1/2	70.2	82	6/26	47	10/11	3.4	1	58	146	18		

First 100F day: 05/14/2022

Last 100F day: 09/07/2022

First 90F day: 10/02/2021

Last 90F day: 09/30/2022

To retrieve daily weather sensor statistics by month for the entire Water Year at each weather station, use the internet link below:

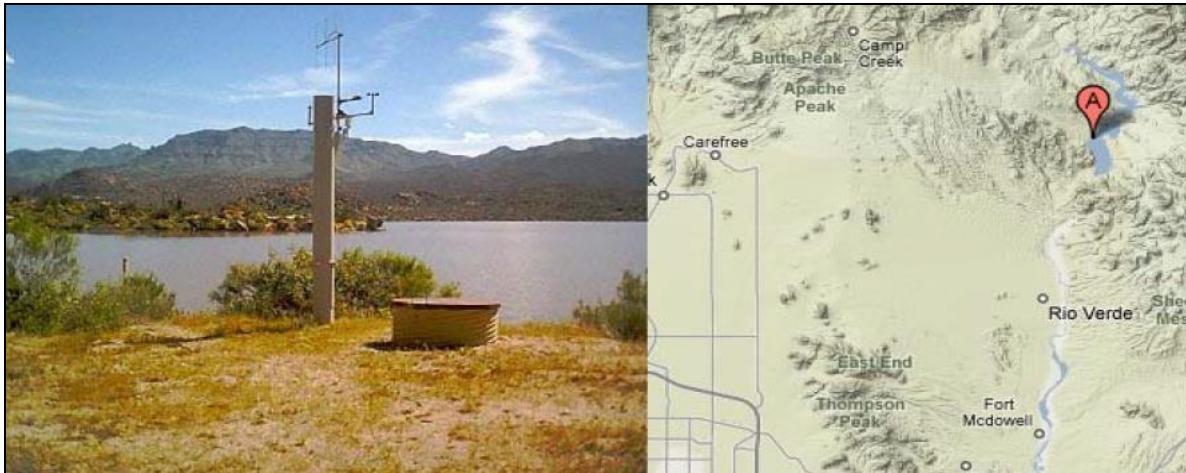
[https://alert.fcd.maricopa.gov/alert/Wx/ws\\_WY\\_2022.xlsx](https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2022.xlsx)

# Bartlett Lake Weather Station

## Meta Data Summary

Bartlett Lake, Arizona

Date of Station Installation: 08/31/2000



**State:** Arizona

**County:** Maricopa

**Latitude:** 33° 50' 18.4" (33.8384)

**Longitude:** 111° 38' 06.5" (111.6351)

**TRS:** T6N-R7E-Section 28

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

**Time Zone:** MST – all year

**Data Repeater:** Mt. Ord

**Elevation:** 1,780 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.

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/sqm	30 minutes
Barometric Pressure	82703	08/31/00	Solid state	Hydrolynx	1522	3.2	mb, inHg	30 minutes



**Water Year 2022 Weather Climate Summary Reports**  
**Weather Station: Bartlet 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	Date	°F	Date	MPH	Date	MPH	Total	Total	Total	Total	°F	MPH
October	97	10/4	46	10/13	70.4	65	10/5	42	10/11	3.1	0	0	5	0	70.4	3.1	
November	92	11/5	46	11/28	67.4	50	11/23	19	11/26	3.3	0	0	5	0	67.4	3.3	
December	85	12/1	39	12/17	56.8	56	12/9	19	12/15	2.8	0	0	0	0	56.8	2.8	
January	74	1/9	37	1/2	55.5	48	1/22	20	1/22	3.3	0	0	0	0	55.5	3.3	
February	82	2/14	34	2/24	57.8	48	2/22	21	2/21	3.6	0	0	0	0	57.8	3.6	
March	95	3/26	37	3/9	63.5	55	3/28	28	3/28	3.6	0	0	3	0	63.5	3.6	
April	97	4/26	41	4/13	72.9	46	4/5	25	4/12	3.7	0	0	12	0	72.9	3.7	
May	105	5/15	54	5/1	81.5	50	5/27	21	5/7	3.8	0	6	27	0	81.5	3.8	
June	113	6/11	63	6/2	91.1	69	6/19	23	6/23	3.6	4	25	30	0	91.1	3.6	
July	115	7/11	73	7/28	94.3	77	7/28	28	7/16	3.6	13	26	31	0	94.3	3.6	
August	111	8/30	72	8/22	89.2	74	8/11	24	8/7	3.4	1	22	29	0	89.2	3.4	
September	109	9/5	65	9/18	87.7	75	9/21	22	9/11	2.9	0	17	31	0	87.7	2.9	

	Maximum Temp	Minimum Temp	Mean Temp	Max Dewpoint	Peak Wind	Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°						
2022 Totals	115	7/11	34	2/24	74.0	77	7/28	42	10/11	3.4	18	96	173	0		

First 100F day: 05/14/2022

Last 100F day: 09/28/2022

First 90F day: 10/02/2021

Last 90F day: 09/30/2022

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\\_2022.xlsx](https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2022.xlsx)

# Belmont Mountains Weather Station

## Meta Data Summary

**Wickenburg, Arizona**

**Date of Station Installation: 11/27/2002**

**Weather Sensors Installed: 03/20/2007**



**State:** Arizona

**County:** Maricopa

**Latitude:** 33° 39' 26.5" (33.6573)

**Longitude:** 112° 54' 42.0" (112.9116)

**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:** 1,860 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/sqm	30 minutes



Water Year 2022 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	Date	°F	Date	MPH	Date	MPH	Total	Total	Total	Total	°F	MPH
October	97	10/4	52	10/14	74.5	71	10/5	33	10/11	2.9	0	0	7	0	74.5	2.9	
November	91	11/4	54	11/24	71.8	46	11/1	28	11/6	1.8	0	0	2	0	71.8	1.8	
December	88	12/2	37	12/28	58.7	57	12/24	26	12/14	1.8	0	0	0	0	58.7	1.8	
January	74	1/13	42	1/4	58.9	47	1/22	31	1/28	2.1	0	0	0	0	58.9	2.1	
February	82	2/9	34	2/24	59.4	44	2/23	39	2/21	3.1	0	0	0	0	59.4	3.1	
March	91	3/26	39	3/6	65.3	50	3/29	40	3/22	4.2	0	0	2	0	65.3	4.2	
April	95	4/19	43	4/13	74.3	49	4/11	41	4/12	4.7	0	0	11	0	74.3	4.7	
May	102	5/14	55	5/12	81.8	49	5/21	34	5/1	5.5	0	5	22	0	81.8	5.5	
June	111	6/10	69	6/1	91.4	68	6/27	51	6/18	4.5	2	22	30	0	91.4	4.5	
July	113	7/16	72	7/28	93.1	75	7/27	45	7/19	4.5	5	23	30	0	93.1	4.5	
August	110	8/30	71	8/21	88.8	75	8/9	41		2.9	1	18	30	0	88.8	2.9	
September	107	9/5	67	9/18	86.6	74	9/21	34	9/19	2.4	0	12	30	0	86.6	2.4	

	Maximum Temp	Minimum Temp	Mean Temp	Max Dewpoint	Peak Wind	Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°						
2022 Totals	113	7/16	34	2/24	75.4	75	7/27	51	6/18	3.4	8	80	164	0		

First 100F day: 05/14/2022

Last 100F day: 09/26/2022

First 90F day: 10/01/2021

Last 90F day: 09/30/2022

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\\_2022.xlsx](https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2022.xlsx)

# Buckeye FRS #1 Weather Station

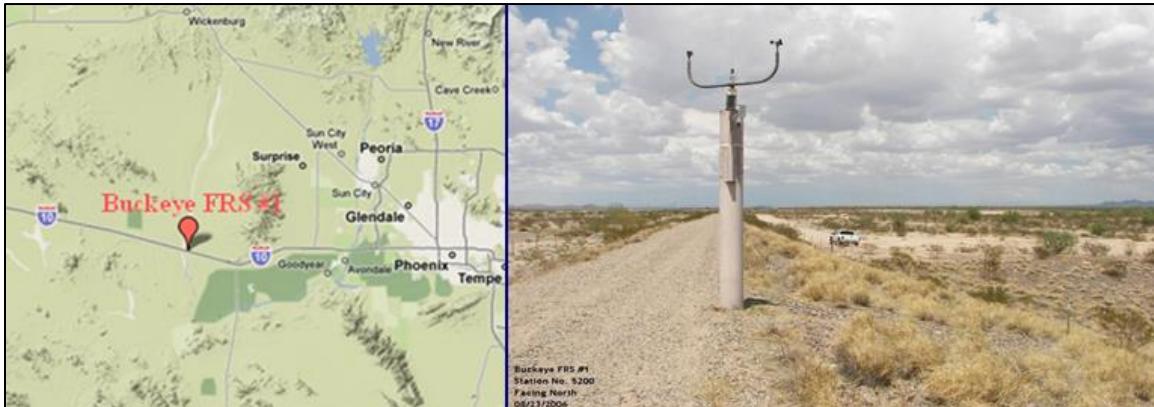
## Meta Data Summary



**Buckeye, Arizona**

**Date of Station Installation: 07/26/1983**

**Weather Sensors Installed: 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.

Detailed Sensor Data								
Sensor	ID #	Data Begins	Type	Manufacturer	Model	Height AGL (ft)	Units	Frequency of Data
Rain	44000 1625 0048	09/28/92 10/01/87-09/28/92 Prior to 10/01/87	Tipping Bucket	Hydrolynx	5050P	9.7	mm	Variable
Temperature	44001	03/01/97	Transducer, Radiation Shield	Hydrolynx	2048, 4550	10.1	deg F/C	15 minutes
Relative Humidity	44002	02/11/97	Polymer film, Radiation Shield	Hydrolynx	2048, 4550	10.1	%	15 minutes
Dewpoint (calculated)	44016	01/01/03	---	---	---	---	deg F	15 minutes
Wind Speed	44004	01/11/03	3-cup	Hydrolynx	5050WS	12.1	mph	15 minutes
Wind Direction	44005	08/28/00	Pointer	Hydrolynx	5050WD	12.1	deg	15 minutes
Peak Wind	44006	01/11/03	---	---	---	---	mph	15 minutes
Barometric Pressure	44003	02/11/97	Solid state	Hydrolynx	1522	5.7	mb, inHg	30 minutes



Water Year 2022 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	97	10/3	47	10/13	73.1	66	10/5	30	10/11	3.7	0	0	14	0	73.1	3.7
November	91	11/6	45	11/28	68.7	50	11/1	31	11/22	2.8	0	0	2	0	68.7	2.8
December	86	12/1	35	12/16	57.2	61	12/24	28	12/14	2.5	0	0	0	0	57.2	2.5
January	75	1/9	35	1/2	56.1	54	1/1	26	1/28	2.9	0	0	0	0	56.1	2.9
February	83	2/10	33	2/24	57.4	47	2/23	36	2/2	4.0	0	0	0	0	57.4	4.0
March	95	3/26	38	3/6	65.4	54	3/29	34	3/16	4.7	0	0	3	0	65.4	4.7
April	100	4/19	39	4/13	75.2	51	4/11	28	4/5	2.6	0	1	19	0	75.2	2.6
May	107	5/15	52	5/12	83.4	52	5/21	38	5/29	2.8	0	13	28	0	83.4	2.8
June	115	6/11	63	6/1	93.8	74	6/30	38	6/11	4.7	9	30	30	0	93.8	4.7
July	116	7/11	74	7/7	96.3	79	7/30	36	7/14	4.8	14	26	31	0	96.3	4.8
August	112	8/30	73	8/4	92.4	78	8/15	39	8/4	4.0	1	26	30	0	92.4	4.0
September	111	9/6	65	9/18	89.2	78	9/22	53	9/23	3.5	2	17	30	0	89.2	3.5

Maximum Temp	Minimum Temp	Mean Temp	Max Dewpoint	Peak Wind	Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°						
2022 Totals	116	07/1607/11	33	2/24	75.7	79	7/30	53	9/23	3.6	26	113	187	0	

First 100F day: 04/19/2022

Last 100F day: 09/28/2022

First 90F day: 10/01/2021

Last 90F day: 09/30/2022

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\\_2022.xlsx](https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2022.xlsx)

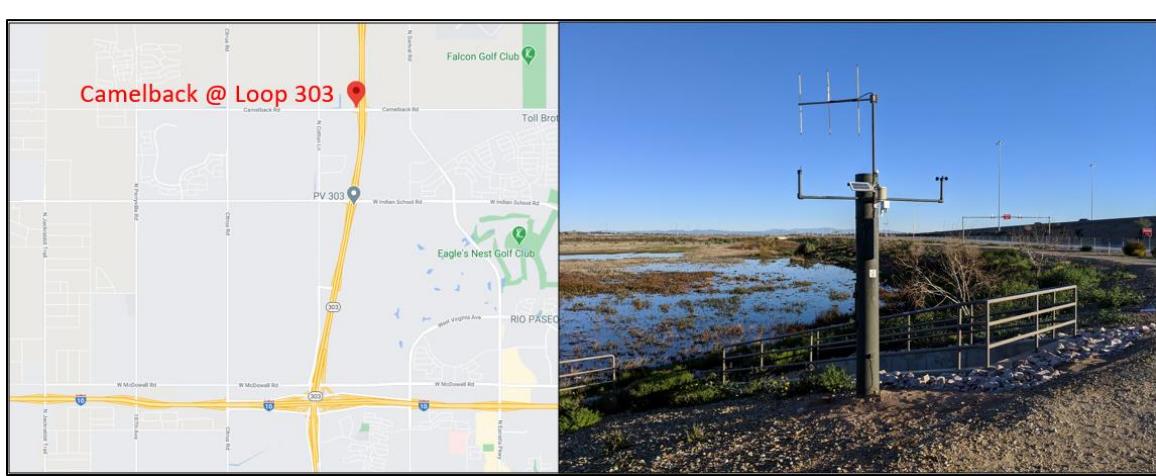
# Camelback at Loop 303 Weather Station

## Meta Data Summary

Goodyear, Arizona

Date of Station Installation: 05/10/2012

Weather Sensors Installed: 01/22/2015



**State:** Arizona

**County:** Maricopa

**Latitude:** 33° 30' 30.7" (33.5085)

**Longitude:** 112° 25' 11.3" (112.4198)

**TRS:** T2N-R2W-Section 22

**Location:** SW corner of Camelback Rd and Citrus Rd

**Time Zone:** MST – all year

**Data Repeater:** Direct

**Elevation:** 1,115 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	87500	05/10/12	Tipping Bucket	Hydrolynx	5050P	9.8	mm	Variable
Temperature	87501	01/22/15	Probe, Radiation Shield	Vaisala, Hydrolynx	HMP155, 4550	8.6	deg F/C	15 minutes
Relative Humidity	87502	01/22/15	Probe, Radiation Shield	Vaisala, Hydrolynx	HMP155, 4550	8.6	%	15 minutes
Dewpoint (calculated)	87516	01/22/15	---	---	---	---	deg F	15 minutes
Wind Speed	87504	01/22/15	3-cup	Hydrolynx	5050WS	9.7	mph	15 minutes
Wind Direction	87505	01/22/15	Pointer	Hydrolynx	5050WD	9.7	deg	15 minutes
Peak Wind	87506	01/22/15	---	---	---	---	mph	15 minutes



Water Year 2022 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	96	10/4	47	10/14	72.0	62	10/5	48	10/11	1.9	0	0	8	0	72.0	1.9	
November	90	11/12	46	11/28	67.3	49	11/20	19	11/25	1.0	0	0	1	0	67.3	1.0	
December	85	12/2	35	12/16	57.5	60	12/9	28	12/14	1.5	0	0	0	0	57.5	1.5	
January	75	1/9	35	1/2	56.5	53	1/1	25	1/28	2.1	0	0	0	0	56.5	2.1	
February	82	2/10	33	2/4	56.5	44	2/23	21	2/2	2.7	0	0	0	0	56.5	2.7	
March	94	3/25	35	3/9	64.6	51	3/29	29	3/10	3.6	0	0	3	0	64.6	3.6	
April	97	4/19	43	4/13	74.4	47	4/1	27	4/22	3.9	0	0	13	0	74.4	3.9	
May	104	5/15	49	5/13	82.8	48	5/29	23	5/11	4.4	0	8	27	0	82.8	4.4	
June	113	6/10	60	6/1	92.3	72	6/27	33	6/29	3.8	5	27	30	0	92.3	3.8	
July	114	7/11	70	7/7	95.0	76	7/18	33	7/16	4.6	10	24	31	0	95.0	4.6	
August	110	8/30	72	8/20	91.1	75	8/14	36	8/27	3.2	1	25	30	0	91.1	3.2	
September	109	9/6	65	9/18	88.3	76	9/22	23	9/9	2.2	0	17	30	0	88.3	2.2	

	Maximum Temp	Minimum Temp	Mean Temp	Max Dewpoint	Peak Wind	Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°						
2022 Totals	114	7/11	33	2/4	74.9	76	7/18	48	10/11	2.9	16	101	173	0		

First 100F day: 05/14/2022

Last 100F day: 09/28/2022

First 90F day: 10/01/2021

Last 90F day: 09/30/2022

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\\_2022.xlsx](https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2022.xlsx)

# Carefree Ranch Weather Station

## Meta Data Summary



**Carefree, Arizona**

**Date of Station Installation: 07/15/1985**

**Weather Sensors Installed: 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 Skyranch Airport

**Time Zone:** MST – all year

**Data Repeater:** Direct

**Elevation:** 2,960ft. 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

Flood Control District of Maricopa County

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	21000 6430 2500 0087	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	21001	11/02/87	Transducer, Radiation Shield	Hydrolynx	2048, 4550	9.9	deg F/C	15 minutes
Relative Humidity	21002	03/25/94	Polymer film, Radiation Shield	Hydrolynx	2048, 4550	9.9	%	15 minutes
Dewpoint (calculated)	21016	07/08/94	---	---	---	---	deg F	15 minutes
Wind Speed	21004	11/02/87	3-cup	Hydrolynx	5050WS	10.5	mph	15 minutes
Wind Direction	21005	05/01/01	Pointer	Hydrolynx	5050WD	10.3	deg	15 minutes
Peak Wind	21006	03/25/94	---	---	---	---	mph	15 minutes
Solar Radiation	21011	03/25/94	Silicon photovoltaic cell	Hydrolynx	4015	10.6	watt/sqm	30 minutes



Water Year 2022 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	89	10/4	46	10/12	68.4	62	10/5	35	10/11	4.1	0	0	0	0	68.4	4.1
November	84	11/6	50	11/28	66.8	46	11/23	23	11/25	4.4	0	0	0	0	66.8	4.4
December	81	12/1	34	12/15	54.6	53	12/9	24	n/a	3.8	0	0	0	0	54.6	3.8
January	70	1/11	32	1/2	54.3	47	n/a	26	1/1	4.4	0	0	0	1	54.3	4.4
February	77	2/10	30	2/24	55.0	43	2/22	25	2/3	4.7	0	0	0	1	55.0	4.7
March	88	3/25	36	3/6	61.0	51	3/28	24	3/11	5.0	0	0	0	0	61.0	5.0
April	89	4/8	39	4/13	69.8	44	4/5	27	4/22	5.2	0	0	0	0	69.8	5.2
May	97	5/15	54	5/9	76.8	47	5/27	27	5/20	4.8	0	0	11	0	76.8	4.8
June	106	6/10	65	6/3	86.2	63	6/25	27	6/25	4.6	0	10	29	0	86.2	4.6
July	107	7/11	70	7/27	88.6	72	7/28	30	7/16	4.2	0	15	29	0	88.6	4.2
August	104	8/30	69	8/19	84.6	74	8/23	28	8/19	3.7	0	2	27	0	84.6	3.7
September	102	09/0609/05	67	9/12	83.1	72	9/21	22	9/11	3.8	0	5	25	0	83.1	3.8

	Maximum Temp	Minimum Temp	Mean Temp	Max Dewpoint	Peak Wind	Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°				
2022 Totals	107	7/11	30	2/24	70.8	74	8/23	35	10/11	4.4	0	32	121	2

First 100F day: 06/08/2022

Last 100F day: 09/07/2022

First 90F day: 05/07/2022

Last 90F day: 09/30/2022

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\\_2022.xlsx](https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2022.xlsx)

# City of Glendale Weather Station

## Meta Data Summary



Glendale, Arizona

Date of Station Installation: 07/06/1989

Weather Sensors Installed: 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 63<sup>rd</sup> Avenue

**Time Zone:** MST – all year

**Data Repeater:** Direct

**Elevation:** 1,150 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.

Detailed Sensor Data								
Sensor	ID #	Data Begins	Type	Manufacturer	Model	Height AGL (ft)	Units	Frequency of Data
Rain	6500	03/02/92	Tipping Bucket	Hydrolynx	5050P	9.3	mm	Variable
	6270	08/10/92-03/02/93						
	1500	07/06/89-08/10/92						
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/sqm	30 minutes
Barometric Pressure	4769	11/22/10	Solid state	Hydrolynx	1522	6.9	mb, inHg	30 minutes



Water Year 2022 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	98	10/4	51	10/13	74.6	65	10/5	24	10/25	0.4	0	0	12	0	74.6	0.4
November	92	11/6	48	11/28	68.8	46	11/24	14	11/21	0.1	0	0	3	0	68.8	0.1
December	86	12/2	38	12/16	58.1	58	12/9	20	12/14	0.6	0	0	0	0	58.1	0.6
January	75	1/9	33	1/2	56.8	51	1/1	18	1/28	0.6	0	0	0	0	56.8	0.6
February	81	2/10	35	2/24	56.8	43	2/23	20	2/21	0.7	0	0	0	0	56.8	0.7
March	93	3/25	40	3/9	65.0	49	3/29	21	3/20	1.1	0	0	3	0	65.0	1.1
April	95	4/19	45	4/13	74.8	45	4/11	25	4/22	1.2	0	0	12	0	74.8	1.2
May	105	5/26	58	5/12	83.2	47	5/29	22	5/7	1.6	0	7	26	0	83.2	1.6
June	114	6/10	71	6/2	94.8	67	6/26	22	6/11	2.3	6	27	30	0	94.8	2.3
July	115	7/11	76	7/26	96.9	76	7/30	21	7/16	2.8	14	25	31	0	96.9	2.8
August	112	8/30	73	8/20	93.2	75	8/19	24	8/23	1.9	1	25	30	0	93.2	1.9
September	110	9/6	70	9/18	91.1	76	9/21	20	9/9	1.4	2	21	30	0	91.1	1.4

	Maximum Temp	Minimum Temp	Mean Temp	Max Dewpoint	Peak Wind	Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°				
2022 Totals	115	7/11	33	1/2	76.2	76	7/30	25	4/22	1.2	23	105	177	0

First 100F day: 05/14/2022

Last 100F day: 09/29/2022

First 90F day: 10/01/2021

Last 90F day: 09/30/2022

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\\_2022.xlsx](https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2022.xlsx)

# Crossroads Park Weather Station

## Meta Data Summary

Gilbert, Arizona

Date of Station Installation: 12/18/1995



Flood Control District of Maricopa County

**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:** 1,270 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.

Detailed Sensor Data								
Sensor	ID #	Data Begins	Type	Manufacturer	Model	Height AGL (ft)	Units	Frequency of Data
Rain	33000	12/18/95	Tipping Bucket	Hydrolynx	5050P	11.1	mm	Variable
Temperature	33001	12/18/95	Transducer, Radiation Shield	Hydrolynx	2048, 4550	12.6	deg F/C	15 minutes
Relative Humidity	33002	12/18/95	Polymer film, Radiation Shield	Hydrolynx	2048, 4550	12.6	%	15 minutes
Dewpoint (calculated)	33016	01/01/03	---	---	---	---	deg F	15 minutes
Wind Speed	33004	12/18/95	3-cup	Hydrolynx	5050WS	12.5	mph	15 minutes
Wind Direction	33005	10/22/01	Pointer	Hydrolynx	5050WD	12.9	deg	15 minutes
Peak Wind	33006	12/19/95	---	---	---	---	mph	15 minutes
Solar Radiation	33011	12/18/95	Silicon photovoltaic cell	Hydrolynx	4015	11.5	watt/sqm	30 minutes
Barometric Pressure	33003	12/18/95	Solid state	Hydrolynx	1522	8.7	mb, inHg	30 minutes



Water Year 2022 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	102	10/4	49	10/13	75.6	71	10/5	22	10/11	1.3	0	2	17	0	75.6	1.3
November	94	11/6	47	11/18	69.2	56	11/5	13	11/21	0.4	0	0	9	0	69.2	0.4
December	88	12/1	38	12/16	59.2	60	12/9	26	12/15	0.8	0	0	0	0	59.2	0.8
January	77	1/9	38	1/27	61.3	47	1/7	29	1/22	1.3	0	0	0	0	61.3	1.3
February	83	2/12	35	2/4	57.5	44	2/23	23	2/23	1.5	0	0	0	0	57.5	1.5
March	96	3/27	39	3/9	65.8	53	3/29	30	3/4	2.2	0	0	3	0	65.8	2.2
April	97	4/8	44	4/13	75.2	53	4/6	29	4/22	2.4	0	0	17	0	75.2	2.4
May	104	5/15	52	5/12	81.7	55	5/19	22	5/21	2.3	0	8	27	0	81.7	2.3
June	112	6/10	66	6/20	89.2	67	6/11	26	6/23	2.5	1	23	29	0	89.2	2.5
July	110	7/11	72	7/7	91.0	73	7/30	30	7/23	2.5	1	22	30	0	91.0	2.5
August	107	8/30	70	8/9	87.0	74	8/26	49	8/9	1.8	0	14	27	0	87.0	1.8
September	104	9/5	59	9/30	84.4	74	9/21	33	9/1	1.7	0	10	29	0	84.4	1.7

Maximum Temp	Minimum Temp	Mean Temp	Max Dewpoint	Peak Wind	Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°							
2022 Totals	112	6/10	35	2/4	74.8	74	8/26	49	8/9	1.7	2	79	188	0		

First 100F day: 10/03/2021

Last 100F day: 09/19/2022

First 90F day: 10/01/2021

Last 90F day: 09/30/2022

To retrieve daily weather sensor statistics by month for the entire Water Year at each weather station, use the internet link below:

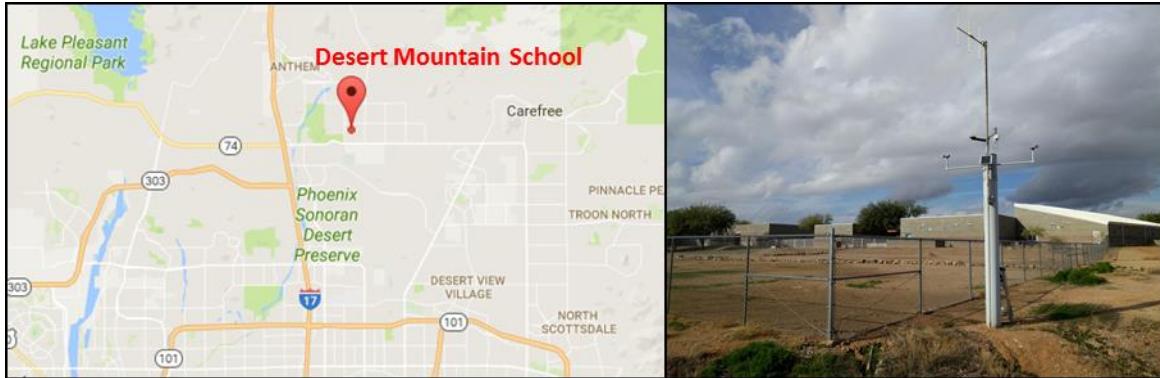
[https://alert.fcd.maricopa.gov/alert/Wx/ws\\_WY\\_2022.xlsx](https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2022.xlsx)

# Desert Mountain School Weather Station

## Meta Data Summary

Phoenix, Arizona

Date of Station 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 7<sup>th</sup> 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.

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 2022 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	94	10/4	47	10/14	70.0	64	10/5	39	10/11	2.5	0	0	3	0	70.0	2.5
November	87	11/4	42	11/28	65.5	49	11/23	22	11/25	2.2	0	0	0	0	65.5	2.2
December	84	12/1	33	12/16	55.5	57	12/9	20	12/14	1.8	0	0	0	0	55.5	1.8
January	73	1/9	32	1/2	54.8	50	n/a	22	1/1	2.4	0	0	0	2	54.8	2.4
February	82	2/28	33	2/6	56.8	45	2/23	25	2/6	3.0	0	0	0	0	56.8	3.0
March	92	3/25	35	3/9	63.7	52	3/28	26	3/28	3.4	0	0	3	0	63.7	3.4
April	95	4/19	43	4/13	72.7	45	4/11	23	4/11	3.8	0	0	12	0	72.7	3.8
May	103	5/15	53	5/13	80.7	49	5/29	24	5/1	4.0	0	5	24	0	80.7	4.0
June	112	6/10	62	6/2	91.0	66	6/19	25	6/25	3.7	2	22	30	0	91.0	3.7
July	114	7/9	73	7/7	94.2	76	7/26	28	7/14	3.8	7	24	31	0	94.2	3.8
August	109	8/30	72	8/20	90.0	76	8/19	28	8/9	3.1	0	18	30	0	90.0	3.1
September	106	9/3	65	9/18	87.6	77	9/21	22	9/11	2.5	0	14	30	0	87.6	2.5

Maximum Temp	Minimum Temp	Mean Temp	Max Dewpoint	Peak Wind	Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°					
2022 Totals	114	7/9	32	1/2	73.5	77	9/21	39	10/11	3.0	9	83	163	2

First 100F day: 05/14/2022

Last 100F day: 09/27/2022

First 90F day: 10/03/2021

Last 90F day: 09/30/2022

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\\_2022.xlsx](https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2022.xlsx)

# Durango Complex Weather Station

## Meta Data Summary



**Phoenix, Arizona**

**Date of Station Installation: 06/23/1980**

**Weather Sensors Installed: 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:** 1,050 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 6200 2810 0010	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/sqm	30 minutes
Barometric Pressure	3303	11/04/91	Solid state	Hydrolynx	1522	5.5	mb, inHg	30 minutes



Water Year 2022 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	100	10/4	52	10/13	76.5	68	10/5	29	10/26	1.9	0	1	14	0	76.5	1.9
November	92	11/5	51	11/28	70.6	46	11/1	22	11/22	0.9	0	0	5	0	70.6	0.9
December	86	12/1	39	12/18	59.7	59	12/9	28	12/14	1.1	0	0	0	0	59.7	1.1
January	76	1/9	36	1/2	58.0	51	1/1	26	1/1	1.3	0	0	0	0	58.0	1.3
February	84	2/10	40	2/3	60.2	48	2/22	27	2/2	2.0	0	0	0	0	60.2	2.0
March	98	3/25	45	3/7	68.9	53	3/29	34	3/16	2.8	0	0	4	0	68.9	2.8
April	100	4/26	50	4/13	79.1	46	4/11	35	4/12	3.1	0	1	19	0	79.1	3.1
May	108	5/15	61	5/12	86.7	49	5/29	30	5/29	3.5	0	13	29	0	86.7	3.5
June	111	6/10	71	6/20	92.8	71	6/29	35	6/23	3.2	3	25	30	0	92.8	3.2
July	113	7/11	73	7/29	94.6	74	7/18	28	7/16	3.8	6	24	30	0	94.6	3.8
August	110	8/30	72	8/9	91.1	74	8/14	28	8/12	3.0	1	22	30	0	91.1	3.0
September	108	9/6	71	9/18	88.9	75	9/21	22	9/11	2.6	0	17	30	0	88.9	2.6

Maximum Temp	Minimum Temp	Mean Temp	Max Dewpoint	Peak Wind	Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°							
2022 Totals	113	7/11	36	1/2	77.3	75	9/21	35	4/12	2.4	10	103	191	0		

First 100F day: 10/04/2021

Last 100F day: 09/28/2022

First 90F day: 10/01/2021

Last 90F day: 09/30/2022

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\\_2022.xlsx](https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2022.xlsx)

# EMF @ Arizona Ave Weather Station

## Meta Data Summary

Gila River, Arizona

Date of Station 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.

### 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/sqm	30 minutes



Water Year 2022 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	99	10/4	44	10/13	72.4	70	10/5	44	10/11	17.9	0	0	14	0	72.4	17.9
November	91	11/6	42	11/18	65.9	47	11/24	17	11/25	16.6	0	0	3	0	65.9	16.6
December	83	12/1	31	12/18	56.4	61	12/24	37	12/15	16.8	0	0	0	2	56.4	16.8
January	75	1/10	32	1/2	54.6	54	1/1	47	1/1	16.0	0	0	0	2	54.6	16.0
February	82	2/12	27	2/3	55.9	44	2/23	39	2/23	17.1	0	0	0	2	55.9	17.1
March	95	3/25	36	3/7	64.4	53	3/28	44	3/4	18.4	0	0	4	0	64.4	18.4
April	99	4/19	38	4/13	74.6	47	4/5	45	4/22	18.4	0	0	18	0	74.6	18.4
May	106	5/15	49	5/12	82.8	46	5/21	35	5/29	19.0	0	11	29	0	82.8	19.0
June	114	6/11	66	6/20	92.6	71	6/18	46	6/24	17.5	5	29	30	0	92.6	17.5
July	115	7/11	72	7/24	95.1	80	7/18	44	7/30	18.8	13	25	30	0	95.1	18.8
August	112	8/30	75	8/4	90.9	79	8/27	46	8/27	17.4	1	25	30	0	90.9	17.4
September	109	9/6	68	9/18	88.4	78	9/21	44	9/11	16.3	0	20	30	0	88.4	16.3

Maximum Temp	Minimum Temp	Mean Temp	Max Dewpoint	Peak Wind	Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°						
2022 Totals	115	7/11	27	2/3	74.5	80	7/18	47	1/1	17.5	19	110	188	6	

First 100F day: 05/07/2022

Last 100F day: 09/28/2022

First 90F day: 10/01/2021

Last 90F day: 09/30/2022

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\\_2022.xlsx](https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2022.xlsx)

# Estrella Fan Weather Station

## Meta Data Summary



**Avondale, Arizona**

**Date of Station Installation: 11/12/1992**

**Weather Sensors Installed: 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:** Burnt Mountain

**Elevation:** 1,455 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	84200	11/15/92	Tipping Bucket	Hydrolynx	5050P	10.4	mm	Variable
Temperature	84201	12/02/92	Transducer, Radiation Shield	Hydrolynx	2048, 4550	12.0	deg F/C	15 minutes
Relative Humidity	84202	11/24/92	Polymer film, Radiation Shield	Hydrolynx	2048, 4550	12.0	%	15 minutes
Dewpoint (calculated)	84216	07/06/94	---	---	---	---	deg F	15 minutes
Wind Speed	84204	11/12/92	3-cup	Hydrolynx	5050WS	10.5	mph	15 minutes
Wind Direction	84205	05/12/01	Pointer	Hydrolynx	5050WD	10.3	deg	15 minutes
Peak Wind	84206	07/16/93	---	---	---	---	mph	15 minutes
Solar Radiation	84211	07/16/93	Silicon photovoltaic cell	Hydrolynx	4015	12.7	watt/sqm	30 minutes
Barometric Pressure	84203	03/09/94	Solid state	Hydrolynx	1522	4.2	mb, inHg	30 minutes



**Water Year 2022 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	Date	°F	Date	MPH	Date	MPH	Total	Total	Total	Total	°F	MPH
October	100	10/4	51	10/13	77.0	70	10/5	38	10/16	2.1	0	1	16	0	77.0	2.1	
November	94	11/6	52	11/27	72.8	50	11/23	44	11/22	2.0	0	0	6	0	72.8	2.0	
December	85	12/1	38	12/16	60.6	58	12/9	39	12/13	1.1	0	0	0	0	60.6	1.1	
January	74		38	1/3	59.8	51	1/1	24	1/10	2.3	0	0	0	0	59.8	2.3	
February	81	2/11	36	2/24	61.6	49	2/22	23	2/4	2.9	0	0	0	0	61.6	2.9	
March	96	3/25	43	3/6	68.7	53	3/29	19	3/17	2.2	0	0	3	0	68.7	2.2	
April	98	4/26	48	4/13	78.0	47	4/11	22	4/8	2.5	0	0	16	0	78.0	2.5	
May	105	5/14	55	5/12	85.1	50	5/29	21	5/4	2.3	0	12	28	0	85.1	2.3	
June	111	6/10	70	6/20	93.3	75	6/29	26	6/26	2.2	3	26	30	0	93.3	2.2	
July	112	7/11	73	7/25	94.5	76	7/29	19	7/1	1.9	3	24	31	0	94.5	1.9	
August	109	8/30	73	8/20	90.8	75	8/19	26	8/4	1.9	0	22	30	0	90.8	1.9	
September	107	9/6	72	9/10	88.8	76	9/21	24	9/4	1.7	0	14	30	0	88.8	1.7	

	Maximum Temp	Minimum Temp	Mean Temp	Max Dewpoint	Peak Wind	Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°						
2022 Totals	112	7/11	36	2/24	77.6	76	7/29	44	11/2511/22	2.1	6	99	190	0		

First 100F day: 10/04/2021

Last 100F day: 09/28/2022

First 90F day: 10/01/2021

Last 90F day: 09/30/2022

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\\_2022.xlsx](https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2022.xlsx)

# Fountain Hills Fire Station Weather Station

## Meta Data Summary



**Fountain Hills, Arizona**

**Date of Station Installation: 11/15/1992**

**Weather Sensors Installed: 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:** 1,665 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	76700	11/15/92	Tipping Bucket	Hydrolynx	5050P	9.9	mm	Variable
Temperature	76701	07/23/97	Transducer, Radiation Shield	Hydrolynx	2048, 4550	10.6	deg F/C	15 minutes
Relative Humidity	76702	07/23/97	Polymer film, Radiation Shield	Hydrolynx	2048, 4550	10.6	%	15 minutes
Dewpoint (calculated)	76716	01/02/03	---	---	---	---	deg F	15 minutes



**Water Year 2022 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	Date	°F	Date	°F	Date	°F	Date	Total	Total	Total	Total	°F
October	96	10/4	48	10/13	71.4		68	10/5	0	0	5	0	71.4
November	90	11/5	48	11/28	67.3		47	11/23	0	0	2	0	67.3
December	85	12/2	36	12/17	56.0		56	12/9	0	0	0	0	56.0
January	72	1/13	34	1/2	54.3		50	1/1	0	0	0	0	54.3
February	78	2/10	29	2/24	54.3		44	2/22	0	0	0	1	54.3
March	92	3/25	36	3/9	61.9		52	3/28	0	0	3	0	61.9
April	96	4/26	37	4/13	72.5		45	4/5	0	0	12	0	72.5
May	104	5/15	56	5/10	81.5		47	5/18	0	6	24	0	81.5
June	111	6/10	65	6/2	91.3		68	6/19	3	24	30	0	91.3
July	113	7/11	72	7/28	94.0		75	7/30	9	25	31	0	94.0
August	109	8/30	72	8/9	89.2		75	8/19	0	20	30	0	89.2
September	108	9/6	67	9/18	87.2		75	9/21	0	14	30	0	87.2

	Maximum Temp	Minimum Temp	Mean Temp	Max Dewpoint	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°
<b>2022 Totals</b>	113	7/11	29	2/24	73.4	75	7/30	12

First 100F day: 05/14/2022

Last 100F day: 09/28/2022

First 90F day: 10/01/2021

Last 90F day: 09/30/2022

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\\_2022.xlsx](https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2022.xlsx)

# G & F Woolsey Peak Weather Station

## Meta Data Summary

Arlington, Arizona

Date of Station 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:** 1,985 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

Flood Control District of Maricopa County

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	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 2022 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	Date	°F	Date	°F	°F	Date	Total	Total	Total	Total	°F
October	95	10/3	56	10/12	77.5	63	10/5	0	0	6	0	77.5
November	90	11/6	60	11/25	75.1	50	11/1	0	0	1	0	75.1
December	80	12/2	47	12/16	61.8	60	12/9	0	0	0	0	61.8
January	72	1/14	42	1/2	61.0	53	1/1	0	0	0	0	61.0
February	82	2/14	42	2/3	62.0	54	2/22	0	0	0	0	62.0
March	94	3/26	47	3/6	70.1	55	3/29	0	0	3	0	70.1
April	96	4/18	55	4/13	78.9	53	4/11	0	0	14	0	78.9
May	104	5/14	64	5/12	86.0	54	5/21	0	7	26	0	86.0
June	111	6/10	79	6/26	95.9	74	6/26	4	23	28	0	95.9
July	113	7/11	78	7/25	96.4	78	7/30	10	24	31	0	96.4
August	110	8/30	76	8/4	92.7	78	8/12	1	23	30	0	92.7
September	110	9/6	75	9/21	90.4	77	9/2	1	12	28	0	90.4

	Maximum Temp	Minimum Temp	Mean Temp	Max Dewpoint	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°
2022 Totals	113	7/11	79.0	78	7/30	16	89	167

First 100F day: 05/14/2022  
Last 100F day: 09/19/2022  
First 90F day: 10/01/2021  
Last 90F day: 09/30/2022

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\\_2022.xlsx](https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2022.xlsx)

# Gateway Community College Weather Station

## Meta Data Summary



**Phoenix, Arizona**

**Date of Station Installation: 12/16/2003**

**Weather Sensors Installed: 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:** Direct

**Elevation:** 1,145 ft. msl

**Owner:** Flood Control District of Maricopa County

**NWS CWA/Zone #:** Phoenix, 23

**Archived:** Yes, from date of sensor installation

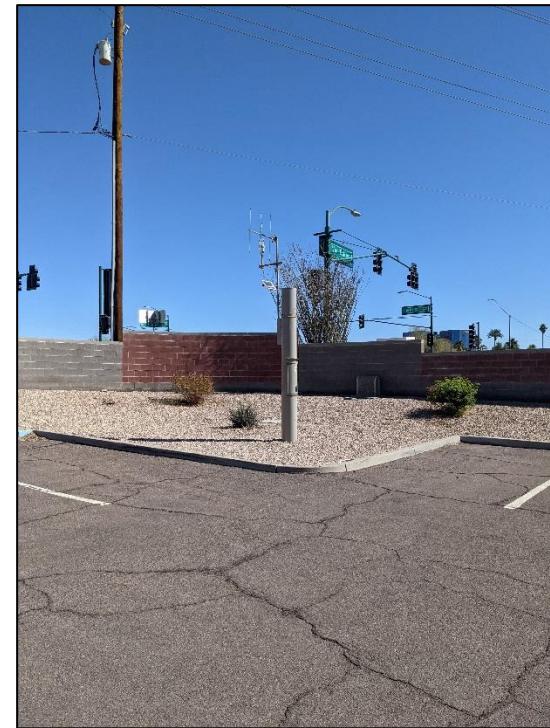
**Site Description:** flat ground near asphalt parking lot, Soil type –gravel

**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.

### 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 2022 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	98	10/4	52	10/13	75.2	65	10/5	25	10/11	3.0	0	0	12	0	75.2	3.0
November	91	11/4	52	11/28	70.3	46	11/24	18	11/22	2.4	0	0	5	0	70.3	2.4
December	86	12/1	40	12/16	59.1	56	12/24	30	12/15	2.5	0	0	0	0	59.1	2.5
January	75	1/9	36	1/2	58.1	49	1/1	33	1/22	2.7	0	0	0	0	58.1	2.7
February	83	2/10	38	2/3	59.6	44	2/22	22	2/15	3.2	0	0	0	0	59.6	3.2
March	95	3/25	46	3/7	67.3	50	3/28	30	3/10	3.8	0	0	3	0	67.3	3.8
April	98	4/26	50	4/13	77.1	44	4/5	26	4/22	3.9	0	0	16	0	77.1	3.9
May	105	5/15	61	5/12	84.9	45	5/29	26	5/28	4.2	0	10	28	0	84.9	4.2
June	112	6/10	72	6/1	94.5	67	6/19	30	6/21	4.2	6	28	30	0	94.5	4.2
July	113	7/11	77	7/26	96.6	72	7/26	43	7/16	4.7	10	26	31	0	96.6	4.7
August	111	8/30	76	8/9	93.2	72	8/19	35	8/9	4.1	1	24	30	0	93.2	4.1
September	109	9/6	74	9/10	91.2	74	9/22	40	9/11	3.6	0	20	30	0	91.2	3.6
<b>2022 Totals</b>		113	7/11	36	1/2	77.3	74	9/22	43	7/16	3.5	17	108	185	0	

First 100F day: 05/07/2022

Last 100F day: 09/29/2022

First 90F day: 10/01/2021

Last 90F day: 09/30/2022

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\\_2022.xlsx](https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2022.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:** White Tank Peak

**Elevation:** 750 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/sqm	30 minutes



Water Year 2022 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	98	10/3	45	10/13	72.4	70	10/4	48	10/11	3.6	0	0	13	0	72.4	3.6
November	92	11/6	45	11/27	67.2	49	11/9	20	11/22	3.9	0	0	3	0	67.2	3.9
December	85	12/2	35	12/16	55.4	59	12/9	26	12/14	4.4	0	0	0	0	55.4	4.4
January	73	n/a	33	1/27	54.4	41	1/8	38	1/28	4.0	0	0	0	0	54.4	4.0
February	83	2/13	31	2/3	56.4	45	2/23	53	2/2	5.0	0	0	0	1	56.4	5.0
March	95	3/26	37	3/9	64.9	53	3/29	46	3/5	5.2	0	0	3	0	64.9	5.2
April	98	4/8	39	4/13	74.2	47	4/11	47	4/22	5.4	0	0	16	0	74.2	5.4
May	104	5/15	53	5/12	81.6	48	5/21	44	5/8	5.6	0	10	27	0	81.6	5.6
June	111	6/11	64	6/1	91.9	69	6/26	66	6/25	5.3	4	28	30	0	91.9	5.3
July	113	7/11	74	7/6	94.4	74	7/26	52	7/16	5.3	8	24	31	0	94.4	5.3
August	114	8/30	74	8/4	94.4	76	8/4	37	8/7	4.2	3	26	30	0	94.4	4.2
September	111	9/6	64	9/18	87.0	71	9/2	32	9/1	4.5	2	15	28	0	87.0	4.5

Maximum Temp	Minimum Temp	Mean Temp	Max Dewpoint	Peak Wind	Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°						
2022 Totals	114	8/30	31	2/3	74.5	76	8/4	66	6/25	4.7	17	103	181	1	

First 100F day: 05/06/2022

Last 100F day: 09/28/2022

First 90F day: 10/01/2021

Last 90F day: 09/30/2022

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\\_2022.xlsx](https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2022.xlsx)

# Gila Bend Mountains Weather Station

## Meta Data Summary



Gila Bend, Arizona

Date of Station 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:** White Tank Peak

**Elevation:** 1,560 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

Flood Control District of Maricopa County

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	41500 0510	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	Mechanical Wind Sensors	Young	5108	10.7	mph	15 minutes
Wind Direction	41505	05/01/01	Mechanical Wind Sensors	Young	5108	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/sqm	30 minutes
Barometric Pressure	41503	06/01/88	Solid state	Hydrolynx	1522	7.7	mb, inHg	30 minutes



**Water Year 2022 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	Date	°F	Date	MPH	Date	MPH	Total	Total	Total	Total	°F	MPH
October	94	10/3	53	10/12	73.7	61	10/5	29	10/11	2.9	0	0	2	0	73.7	2.9	
November	88	11/6	53	11/25	71.0	45	11/1	33	11/22	4.5	0	0	0	0	71.0	4.5	
December	78	12/2	39	12/15	55.9	56	12/24	25	12/14	4.3	0	0	0	0	55.9	4.3	
January	74	1/14	40	1/2	58.6	48	1/1	33	1/28	6.6	0	0	0	0	58.6	6.6	
February	82	2/14	35	2/24	59.6	46	2/23	31	2/4	6.3	0	0	0	0	59.6	6.3	
March	97	3/26	41	3/6	67.5	51	3/29	41	3/23	4.9	0	0	3	0	67.5	4.9	
April	97	4/18	55	4/13	75.8	49	4/11	28	4/22	4.0	0	0	12	0	75.8	4.0	
May	105	5/15	59	5/9	82.6	53	5/21	21	5/4	2.7	0	8	26	0	82.6	2.7	
June	112	6/11	72	6/1	92.2	69	6/26	43	6/26	3.5	7	28	30	0	92.2	3.5	
July	114	7/11	74	7/24	93.6	75	7/31	44	7/16	3.8	12	24	31	0	93.6	3.8	
August	108	8/30	71	8/21	89.9	75	8/14	31	8/8	3.7	0	22	29	0	89.9	3.7	
September	110	9/6	72	9/10	87.8	75	9/21	23	9/23	3.9	1	14	30	0	87.8	3.9	

Maximum Temp	Minimum Temp	Mean Temp	Max Dewpoint	Peak Wind	Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°							
2022 Totals	114	7/11	35	2/24	75.7	75	8/18	44	7/16	4.3	20	96	163	0		

First 100F day: 05/06/2022

Last 100F day: 09/28/2022

First 90F day: 10/03/2021

Last 90F day: 09/30/2022

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\\_2022.xlsx](https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2022.xlsx)

# Horseshoe Lake Weather Station

## Meta Data Summary

**Horseshoe Lake, Arizona**

**Date of Station 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:** 2,070 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/sqm	30 minutes
Barometric Pressure	82503	09/13/00	Solid state	Hydrolynx	1522	3.1	mb, inHg	30 minutes



Water Year 2022 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	10/4	46	10/13	70.5		73	10/5	35	10/11	2.8	0	0	8	0	70.5	2.8
November	90	11/5	41	11/28	63.2		50	11/23	16	11/21	1.9	0	0	1	0	63.2	1.9
December	84	12/1	34	12/16	54.4		57	12/24	22	12/14	2.5	0	0	0	0	54.4	2.5
January	75	1/13	33	1/2	53.8		49	1/1	23	1/15	2.7	0	0	0	0	53.8	2.7
February	82	2/11	30	2/5	55.2		44	2/23	24	2/21	3.6	0	0	0	3	55.2	3.6
March	93	3/25	35	3/9	62.0		57	3/28	23	3/10	3.5	0	0	3	0	62.0	3.5
April	98	4/19	40	4/13	71.9		50	4/2	23	4/22	3.9	0	0	13	0	71.9	3.9
May	105	5/15	49	5/13	80.2		50	5/27	21	5/20	4.1	0	6	25	0	80.2	4.1
June	112	6/10	59	6/1	89.0		72	6/25	34	6/25	3.6	4	25	30	0	89.0	3.6
July	114	7/11	68	7/7	92.4		76	7/28	24	7/16	3.3	14	27	31	0	92.4	3.3
August	111	8/30	71	8/22	87.8		76	8/12	36	8/7	3.1	1	23	29	0	87.8	3.1
September	110	9/5	64	9/18	85.9		74	9/21	25	9/11	2.8	1	16	30	0	85.9	2.8

Maximum Temp	Minimum Temp	Mean Temp	Max Dewpoint	Peak Wind	Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°							
2022 Totals	114	7/11	30	2/5	72.2	76	7/28	36	8/7	3.1	20	97	170	3		

First 100F day: 05/14/2022

Last 100F day: 09/27/2022

First 90F day: 10/02/2021

Last 90F day: 09/30/2022

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\\_2022.xlsx](https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2022.xlsx)

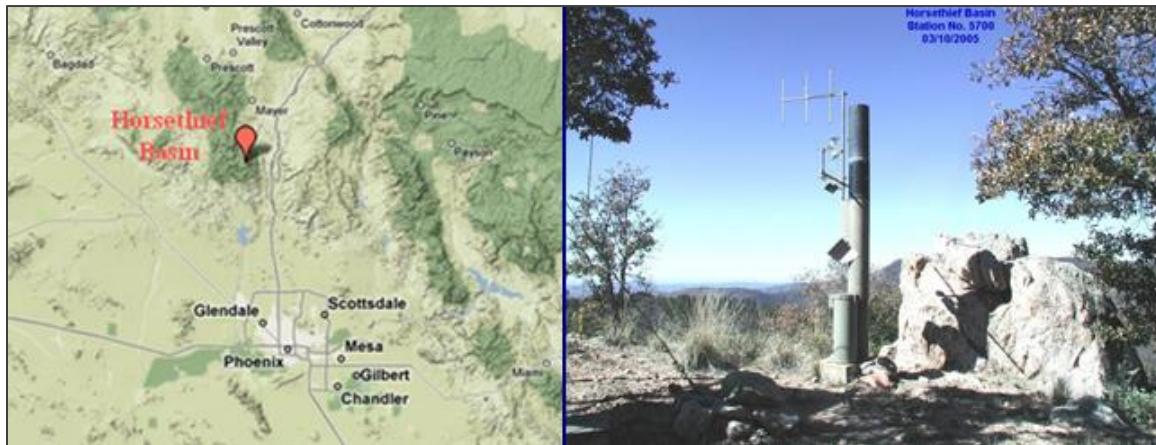
# Horsethief Basin Weather Station

## Meta Data Summary

Crown King, Arizona

Date of Station Installation: 11/24/1986

Weather Sensors Installed: 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:** 6,705 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 4510 0098	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/sqm	30 minutes
Barometric Pressure	16003	04/08/93	Solid state	Hydrolynx	1522	6.8	mb, inHg	30 minutes



Water Year 2022 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	76	10/3	31	10/12	55.6	53	10/5	37	10/11	4.1	0	0	0	1	55.6	4.1		
November	74	11/14	33	11/25	55.5	40	11/23	21	11/1	2.0	0	0	0	0	55.5	2.0		
December	70	12/1	24	12/15	42.9	42	12/9	45	12/24	4.4	0	0	0	9	42.9	4.4		
January	64	1/6	22	1/1	43.8	39	1/18	26	n/a	2.8	0	0	0	8	43.8	2.8		
February	66	2/11	18	2/24	41.7	35	2/21	33	2/21	4.8	0	0	0	12	41.7	4.8		
March	74	3/26	23	3/6	47.8	42	3/28	34	3/29	4.7	0	0	0	7	47.8	4.7		
April	79	4/8	37	4/13	60.1	47	4/11	43	4/19	8.2	0	0	0	0	60.1	8.2		
May	88	5/26	44	5/12	67.6	47	5/21	40	5/7	8.4	0	0	0	0	67.6	8.4		
June	95	6/10	60	6/19	76.6	64	6/30	34	6/12	6.4	0	0	9	0	76.6	6.4		
July	96	7/16	64	7/27	78.8	72	7/25	23	7/17	4.5	0	0	13	0	78.8	4.5		
August	94	8/30	61	8/21	75.4	75	8/14	24	8/14	3.3	0	0	2	0	75.4	3.3		
September	93	9/5	61	9/10	73.5	70	9/22	23	9/2	3.7	0	0	6	0	73.5	3.7		
		Maximum Temp		Minimum Temp		Mean Temp		Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°		
<b>2022 Totals</b>		96	7/16	18	2/24	59.9	75	8/14	45	12/24	4.8	0	0	30	37			

First 100F day: n/a

Last 100F day: n/a

First 90F day: 06/08/2022

Last 90F day: 09/07/2022

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\\_2022.xlsx](https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2022.xlsx)

# Humboldt Mountain Weather Station

## Meta Data Summary



Cave Creek, Arizona

Date of Station Installation: 07/14/1981

Weather Sensors Installed: 06/13/1996



**State:** Arizona

**County:** Maricopa

**Latitude:** 33° 58' 50.7" (33.98075)

**Longitude:** 111° 47' 52.5" (111.7979)

**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.

Detailed Sensor Data								
Sensor	ID #	Data Begins	Type	Manufacturer	Model	Height AGL (ft)	Units	Frequency of Data
Rain	1200 6440 2625 0021	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 2022 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	Date	°F	Date	°F	°F	Date	Total	Total	Total	Total	°F
October	81	10/4	38	10/12	63.3	61	10/5	0	0	0	0	63.3
November	79	11/14	41	11/25	62.6	43	11/1	0	0	0	0	62.6
December	72	12/3	30	12/15	49.1	46	12/9	0	0	0	2	49.1
January	66	1/14	29	1/1	48.6	41	1/1	0	0	0	2	48.6
February	71	2/11	25	2/3	48.0	38	2/22	0	0	0	5	48.0
March	80	3/25	30	3/6	54.3	45	3/29	0	0	0	3	54.3
April	79	4/8	39	4/13	63.0	41	4/12	0	0	0	0	63.0
May	90	5/14	48	5/12	70.0	41	5/29	0	0	3	0	70.0
June	99	6/11	62	6/24	79.0	60	6/18	0	0	15	0	79.0
July	100	7/11	64	7/30	81.0	69	7/27	0	1	20	0	81.0
August	95	8/30	64	8/4	77.4	68	8/21	0	0	9	0	77.4
September	96	9/5	61	9/12	76.3	66	9/21	0	0	8	0	76.3

	Maximum Temp	Minimum Temp	Mean Temp	Max Dewpoint	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°
2022 Totals	100	7/11	25	2/3	64.4	69	7/27	0

First 100F day: 07/11/2022

Last 100F day: 07/11/2022

First 90F day: 05/14/2022

Last 90F day: 09/24/2022

To retrieve daily weather sensor statistics by month for the entire Water Year at each weather station, use the internet link below:

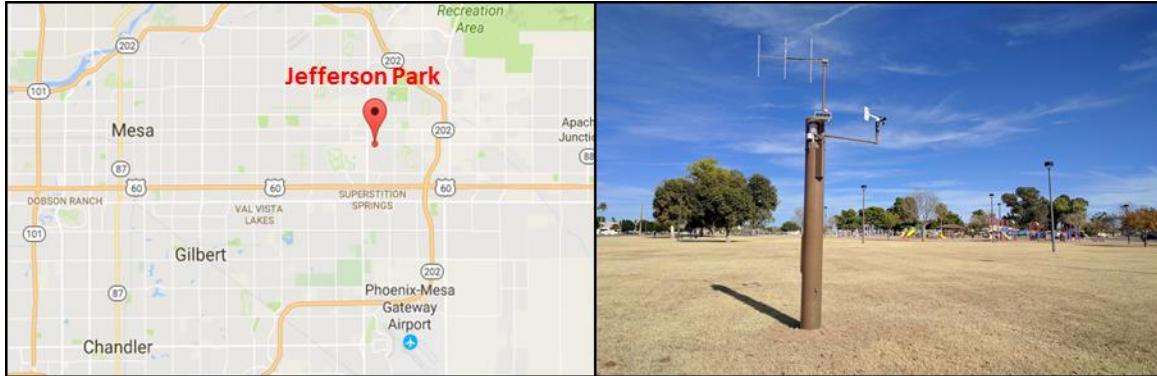
[https://alert.fcd.maricopa.gov/alert/Wx/ws\\_WY\\_2022.xlsx](https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2022.xlsx)

# Jefferson Park Weather Station

## Meta Data Summary

Mesa, Arizona

Date of Station Installation: 12/21/2016



**State:** Arizona

**County:** Maricopa

**Latitude:**  $33^{\circ} 24' 29.5''$  (33.4081)

**Longitude:**  $111^{\circ} 40' 47.9''$  (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:** 1,400 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.

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 2022 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	Date	°F	Date	MPH	Date	MPH	Total	Total	Total	Total	°F	MPH
October	97	10/4	46	10/13	72.6	68	10/5	26	10/11	1.3	0	0	9	0	72.6	1.3	
November	93	11/6	46	11/28	66.9	53	11/23	19	11/1	0.8	0	0	3	0	66.9	0.8	
December	85	12/1	35	12/16	56.6	57	12/9	31	12/15	0.7	0	0	0	0	56.6	0.7	
January	75	1/9	34	1/3	55.6	51	1/1	24	1/28	1.1	0	0	0	0	55.6	1.1	
February	87	2/13	36	2/24	59.2	44	2/16	21	2/21	1.5	0	0	0	0	59.2	1.5	
March	94	3/25	42	3/7	66.4	50	3/28	27	3/28	1.7	0	0	4	0	66.4	1.7	
April	98	4/26	47	4/13	76.4	45	4/11	22	4/22	1.9	0	0	15	0	76.4	1.9	
May	105	5/15	55	5/12	83.7	47	5/21	20	5/20	2.0	0	7	28	0	83.7	2.0	
June	112	6/11	72	6/1	93.2	71	6/26	27	6/23	1.8	4	26	30	0	93.2	1.8	
July	114	7/11	79	7/28	95.7	74	7/28	35	7/17	2.1	9	25	31	0	95.7	2.1	
August	111	8/30	75	8/9	92.1	75	8/18	27	8/4	1.6	1	24	30	0	92.1	1.6	
September	110	9/6	72	9/18	90.0	76	9/21	28	9/11	1.3	1	19	31	0	90.0	1.3	

	Maximum Temp	Minimum Temp	Mean Temp	Max Dewpoint	Peak Wind	Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°						
2022 Totals	114	7/11	34	1/3	75.7	76	9/21	35	7/17	1.5	15	101	181	0		

First 100F day: 05/14/2022

Last 100F day: 09/28/2022

First 90F day: 10/02/2021

Last 90F day: 09/30/2022

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\\_2022.xlsx](https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2022.xlsx)

# Jomax at 70<sup>th</sup> Weather Station

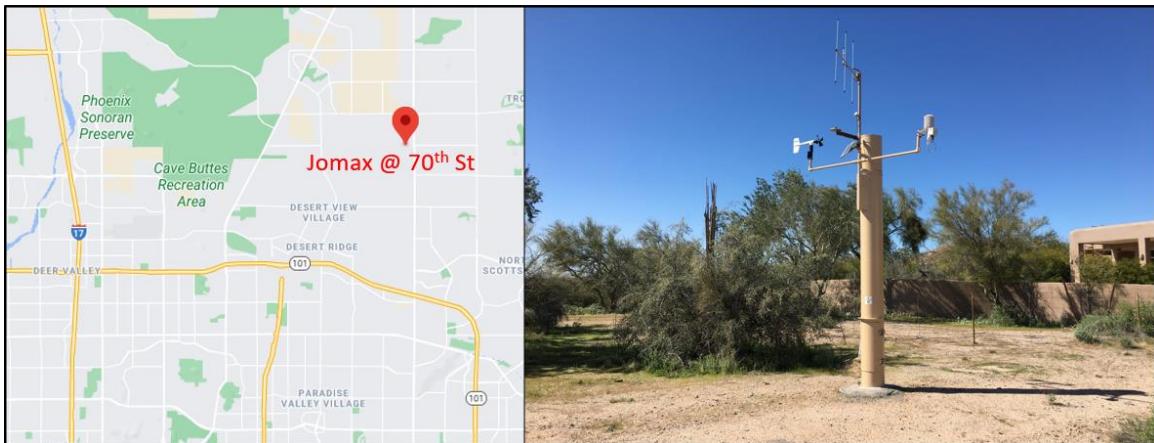
## Meta Data Summary



**Scottsdale, Arizona**

**Date of Station Installation: 05/06/1993**

**Weather Sensors Installed: 06/26/1997**



**State:** Arizona

**County:** Maricopa

**Latitude:** 33° 43' 37.0" (33.7269)

**Longitude:** 111° 53' 49.2" (111.9303)

**TRS:** T5N-R4E-Section 36

**Location:** 1/8 mile W of 70<sup>th</sup> St and Jomax Road

**Time Zone:** MST – all year

**Data Repeater:** Thompson Peak

**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, Soil type – sand/dirt and 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	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/sqm	30 minutes
Barometric Pressure	60803	06/26/97	Solid state	Hydrolynx	1522	2.0	mb, inHg	30 minutes



Water Year 2022 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	94	10/4	48	10/13	71.9		63	10/5	17	10/11	2.0	0	0	4	0	71.9	2.0
November	89	11/5	52	11/28	69.5		46	11/23	12	11/22	2.2	0	0	0	0	69.5	2.2
December	84	12/1	38	12/17	57.6		58	12/9	16	12/9	1.9	0	0	0	0	57.6	1.9
January	73	1/11	34	1/2	56.5		51	1/1	18	1/22	2.2	0	0	0	0	56.5	2.2
February	81	2/10	34	2/3	57.5		47	2/22	15	2/21	2.3	0	0	0	0	57.5	2.3
March	92	3/25	39	3/6	64.4		54	3/28	24	3/28	2.5	0	0	3	0	64.4	2.5
April	95	4/19	44	4/13	73.6		46	4/5	17	4/22	2.7	0	0	12	0	73.6	2.7
May	104	5/15	54	5/12	81.0		47	5/29	20	5/20	2.6	0	6	25	0	81.0	2.6
June	112	6/10	68	6/1	91.2		72	6/30	20	6/23	2.8	2	24	30	0	91.2	2.8
July	113	7/11	71	7/30	93.6		77	7/26	22	7/30	2.6	9	24	31	0	93.6	2.6
August	109	8/30	73	8/12	89.1		74	8/9	26	8/9	1.9	0	19	30	0	89.1	1.9
September	107	9/5	68	9/18	87.4		76	9/21	17	9/20	1.9	0	15	30	0	87.4	1.9

Maximum Temp	Minimum Temp	Mean Temp	Max Dewpoint	Peak Wind	Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°							
2022 Totals	113	7/11	34	1/2	74.4	77	7/26	26	8/9	2.3	11	88	165	0		

First 100F day: 05/14/2022

Last 100F day: 09/27/2022

First 90F day: 10/03/2021

Last 90F day: 09/30/2022

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\\_2022.xlsx](https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2022.xlsx)

# Kleinman Park Weather Station

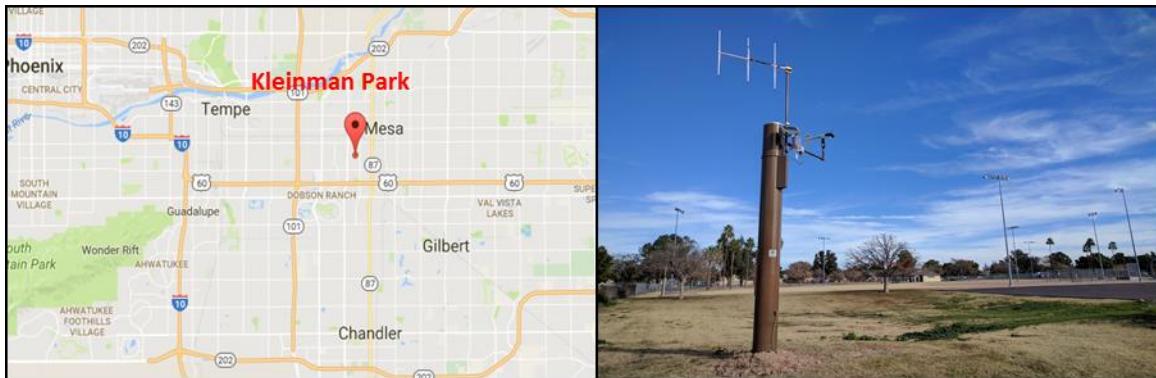
## Meta Data Summary



Mesa, Arizona

Date of Station Installation: 03/26/1991

Weather Sensors Installed: 12/21/2016



**State:** Arizona

**County:** Maricopa

**Latitude:** 33° 24' 03.1" (33.4008)

**Longitude:** 111° 51' 07.0" (111.8519)

**TRS:** T1N-R5E-Section 28

**Location:** SW side of Kleinman Park, just N of 8<sup>th</sup> Ave

**Time Zone:** MST – all year

**Data Repeater:** Sacaton Peak

**Elevation:** 1,220 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.

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 2022 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	99	10/4	53	10/13	75.9	69	10/5	24	10/5	2.1	0	0	16	0	75.9	2.1		
November	93	11/4	51	11/18	70.8	49	11/24	21	11/15	1.6	0	0	7	0	70.8	1.6		
December	88	12/1	42	12/16	61.6	61	12/9	18	12/18	1.4	0	0	0	0	61.6	1.4		
January	78	1/9	40	1/2	61.3	55	1/1	26	1/22	2.1	0	0	0	0	61.3	2.1		
February	82	2/10	36	2/24	59.1	47	2/23	22	2/2	2.6	0	0	0	0	59.1	2.6		
March	94	3/25	43	3/9	66.3	55	3/28	18	3/23	2.2	0	0	3	0	66.3	2.2		
April	97	4/26	48	4/13	76.0	44	4/5	19	4/15	2.3	0	0	15	0	76.0	2.3		
May	104	5/15	59	5/12	83.6	46	5/21	19	5/1	2.1	0	9	28	0	83.6	2.1		
June	111	6/11	71	6/1	92.7	68	6/19	36	6/26	2.6	4	27	30	0	92.7	2.6		
July	113	7/11	77	7/17	94.9	75	7/14	35	7/17	2.6	8	25	31	0	94.9	2.6		
August	110	8/30	74	8/9	91.4	76	8/19	33	8/9	2.5	1	23	30	0	91.4	2.5		
September	107	9/5	72	9/18	89.2	75	9/21	22	9/1	2.2	0	17	30	0	89.2	2.2		
		<b>Maximum Temp</b>		<b>Minimum Temp</b>		<b>Mean Temp</b>		<b>Max Dewpoint</b>		<b>Peak Wind</b>		<b>Avg Wind</b>	<b>Day ≥ 110°</b>	<b>Days ≥ 100°</b>	<b>Days ≥ 90°</b>	<b>Days ≤ 32°</b>		
<b>2022 Totals</b>		113	7/11	36	2/24	76.9	76	8/19	36	6/26	2.2	13	101	190	0			

First 100F day: 05/07/2022

Last 100F day: 09/27/2022

First 90F day: 10/01/2021

Last 90F day: 09/30/2022

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\\_2022.xlsx](https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2022.xlsx)

# Lake Pleasant Weather Station

## Meta Data Summary

Peoria, Arizona

Date of Station Installation: 11/13/2008



**State:** Arizona

**County:** Maricopa

**Latitude:** 33° 50' 50.6" (33.8473)

**Longitude:** 112° 16' 41.0" (112.2780)

**TRS:** T6N-R1E-Section 20

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

**Time Zone:** MST – all year

**Data Repeater:** Direct

**Elevation:** 1,075 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.

### 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 2022 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	97	10/4	53	10/12	75.0		68	10/5	40	10/11	5.7	0	0	9	0	75.0	5.7
November	90	11/12	57	11/28	71.7		54	11/1	34	11/25	5.7	0	0	1	0	71.7	5.7
December	84	12/1	42	12/15	59.4		57	12/9	41	12/18	4.7	0	0	0	0	59.4	4.7
January	75	1/9	42	1/2	58.8		50	n/a	41	1/28	5.9	0	0	0	0	58.8	5.9
February	81	2/12	38	2/24	59.3		44	2/23	35	2/3	6.7	0	0	0	0	59.3	6.7
March	92	3/25	41	3/5	65.5		50	3/29	42	3/11	5.6	0	0	3	0	65.5	5.6
April	96	4/19	50	4/13	75.3		49	4/1	38	4/22	5.9	0	0	13	0	75.3	5.9
May	104	5/15	61	5/12	83.1		56	5/27	35	5/8	5.5	0	6	27	0	83.1	5.5
June	113	6/10	74	6/1	92.5		70	6/23	38	6/11	5.2	4	25	30	0	92.5	5.2
July	114	7/11	75	7/26	94.7		76	7/14	42	7/16	4.9	12	24	31	0	94.7	4.9
August	110	8/30	68	8/20	90.3		78	8/25	53	8/20	4.0	1	22	30	0	90.3	4.0
September	108	9/5	72	9/12	88.4		75	9/22	36	9/28	4.2	0	15	30	0	88.4	4.2

Maximum Temp	Minimum Temp	Mean Temp	Max Dewpoint	Peak Wind	Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°							
2022 Totals	114	7/11	38	2/24	76.2	78	8/25	53	8/20	5.3	17	92	174	0		

First 100F day: 05/14/2022

Last 100F day: 09/27/2022

First 90F day: 10/02/2021

Last 90F day: 09/30/2022

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\\_2022.xlsx](https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2022.xlsx)

# Lake Pleasant North Weather Station

## Meta Data Summary



Peoria, Arizona

Date of Station 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:** 1,750 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/sqm	30 minutes
Barometric Pressure	15303	04/24/01	Solid state	Hydrolynx	1522	4.2	mb, inHg	30 minutes



Water Year 2022 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	Date	°F	Date	MPH	Date	MPH	Total	Total	Total	Total	°F	MPH
October	96	10/4	53	10/12	72.9	67	10/5	42	10/4	4.9	0	0	3	0	72.9	4.9	
November	87	11/12	54	11/28	69.6	52	11/1	29	11/25	5.2	0	0	0	0	69.6	5.2	
December	82	12/1	42	12/16	57.7	56	12/9	31	12/18	4.0	0	0	0	0	57.7	4.0	
January	72	1/11	38	1/2	56.9	50	1/1	36	1/27	5.4	0	0	0	0	56.9	5.4	
February	79	2/10	36	2/24	58.0	46	2/23	33	2/7	6.4	0	0	0	0	58.0	6.4	
March	90	3/26	42	3/6	63.8	51	3/29	33	3/11	5.0	0	0	1	0	63.8	5.0	
April	91	4/6	46	4/13	72.5	53	4/19	28	4/24	5.4	0	0	5	0	72.5	5.4	
May	102	5/15	60	5/12	80.7	59	5/18	25	5/8	5.1	0	3	18	0	80.7	5.1	
June	109	6/10	72	6/3	90.3	72	6/29	36	6/26	4.5	0	18	30	0	90.3	4.5	
July	111	7/11	75	7/26	93.1	77	7/18	37	7/12	4.4	3	23	31	0	93.1	4.4	
August	107	8/6	68	8/20	89.5	76	8/16	33	8/14	3.7	0	17	30	0	89.5	3.7	
September	106	9/5	71	9/18	87.6	74	9/1	32	9/23	3.2	0	10	30	0	87.6	3.2	

	Maximum Temp	Minimum Temp	Mean Temp	Max Dewpoint	Peak Wind	Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°						
2022 Totals	111	7/11	36	2/24	74.4	77	7/18	42	10/4	4.8	3	71	148	0		

First 100F day: 05/14/2022

Last 100F day: 09/26/2022

First 90F day: 10/02/2021

Last 90F day: 09/30/2022

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\\_2022.xlsx](https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2022.xlsx)

# Magma FRS Weather Station

## Meta Data Summary



**Magma, Arizona**

**Date of Station Installation: 10/27/1988**

**Weather Sensors Installed: 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:** 1,605 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.

Detailed Sensor Data								
Sensor	ID #	Data Begins	Type	Manufacturer	Model	Height AGL (ft)	Units	Frequency of Data
Rain	42300 5800	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 2022 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	95	10/4	40	10/13	69.7		64	10/5	39	10/12	1.9	0	0	5	0	69.7	1.9
November	91	11/5	44	11/28	67.2		48	11/7	26	11/25	2.0	0	0	1	0	67.2	2.0
December	81	12/1	33	12/18	56.3		55	12/24	28	12/15	1.7	0	0	0	0	56.3	1.7
January	73	1/9	34	1/3	55.0		49	1/1	41	1/28	3.1	0	0	0	0	55.0	3.1
February	83	2/14	31	2/3	56.9		43	2/16	44	2/23	3.9	0	0	0	1	56.9	3.9
March	93	3/25	36	3/7	64.2		52	3/29	39	3/4	3.5	0	0	3	0	64.2	3.5
April	99	4/26	40	4/13	74.2		47	4/1	33	4/11	3.4	0	0	15	0	74.2	3.4
May	104	5/15	52	5/12	81.7		49	5/27	33	5/30	2.8	0	9	27	0	81.7	2.8
June	110	6/11	69	6/1	90.9		73	6/18	48	6/18	2.8	2	28	30	0	90.9	2.8
July	110	7/10	73	7/24	93.3		75	7/18	47	7/24	3.0	5	25	30	0	93.3	3.0
August	109	8/30	72	8/21	89.0		76	8/5	39	8/9	2.5	0	18	30	0	89.0	2.5
September	108	9/6	67	9/30	87.5		77	9/21	43	9/20	2.4	0	19	31	0	87.5	2.4

Maximum Temp	Minimum Temp	Mean Temp	Max Dewpoint	Peak Wind	Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°							
2022 Totals	110	7/10	31	2/3	73.8	77	9/21	48	6/18	2.8	7	99	172	1		

First 100F day: 05/07/2022

Last 100F day: 09/28/2022

First 90F day: 10/02/2021

Last 90F day: 09/30/2022

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\\_2022.xlsx](https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2022.xlsx)

# McMicken Dam Weather Station

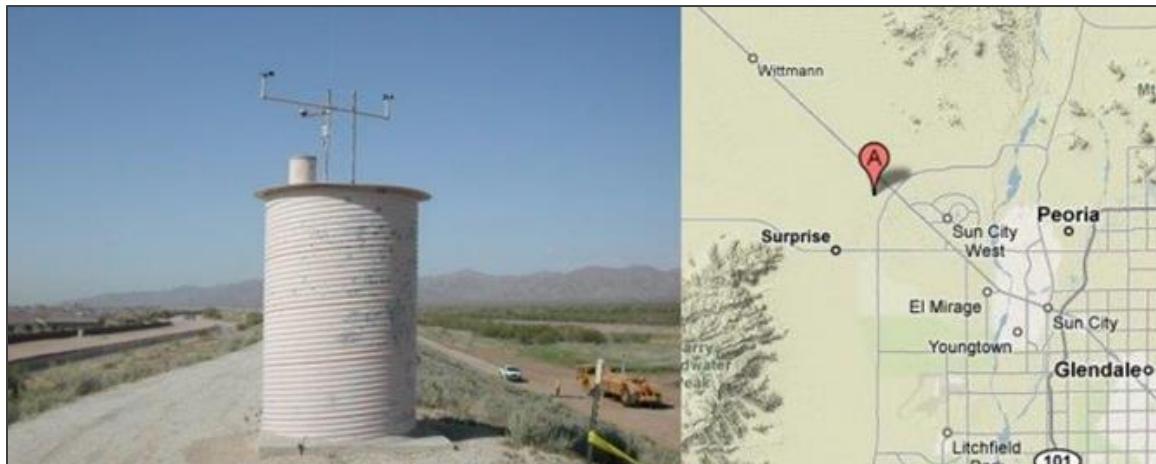
## Meta Data Summary



**Sun City, Arizona**

**Date of Station Installation: 03/24/1983**

**Weather Sensors Installed: 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:** 1/4 mile SE of Deer Valley Road and Cotton Lane

**Time Zone:** MST - all year

**Data Repeater:** White Tank Peak

**Elevation:** 1,350 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 1600 0046	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/sqm	30 minutes
Barometric Pressure	71703	06/02/04	Solid State	Hydrolynx	1522	3.5	mb, inHg	30 minutes



Water Year 2022 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	97	10/4	47	10/13	73.4	66	10/5	36	10/11	2.5	0	0	10	0	73.4	2.5
November	89	11/3	47	11/28	68.4	45	11/1	26	11/25	1.5	0	0	0	0	68.4	1.5
December	84	11/29	35	12/16	57.5	58	12/9	36	12/14	1.3	0	0	0	0	57.5	1.3
January	75	1/9	34	1/2	56.7	48	1/1	38	1/28	2.4	0	0	0	0	56.7	2.4
February	83	2/10	32	2/24	58.2	48	2/23	31	2/6	3.3	0	0	0	1	58.2	3.3
March	92	3/26	37	3/9	63.7	53	3/29	31	3/5	5.3	0	0	2	0	63.7	5.3
April	98	4/19	41	4/13	73.9	47	4/11	32	4/22	5.7	0	0	11	0	73.9	5.7
May	103	5/15	50	5/12	82.0	49	5/21	31	5/8	6.1	0	6	27	0	82.0	6.1
June	112	6/11	66	6/1	91.5	73	6/27	37	6/11	5.3	3	23	30	0	91.5	5.3
July	113	7/11	73	7/7	94.1	74	7/18	38	7/17	5.5	7	25	31	0	94.1	5.5
August	108	8/30	72	8/4	89.6	76	8/8	44	8/7	4.2	0	20	30	0	89.6	4.2
September	107	9/5	64	9/18	87.4	75	9/21	24	9/23	3.4	0	14	30	0	87.4	3.4

Maximum Temp	Minimum Temp	Mean Temp	Max Dewpoint	Peak Wind	Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°							
2022 Totals	113	7/11	32	2/24	74.7	76	8/8	44	8/7	3.9	10	88	171	1		

First 100F day: 05/14/2022

Last 100F day: 09/27/2022

First 90F day: 10/01/2021

Last 90F day: 09/30/2022

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\\_2022.xlsx](https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2022.xlsx)

# Mobile Weather Station

## Meta Data Summary



**Maricopa, Arizona**

**Date of Station Installation: 12/15/2004**

**Weather Sensors Installed: 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	04/04/08	Probe, Radiation Shield	Hydrolynx	HMP155, 4550	10.4	deg F/C	15 minutes
Relative Humidity	84702	04/04/08	Probe, Radiation Shield	Hydrolynx	HMP155, 4550	10.4	%	15 minutes
Dewpoint (calculated)	84716	04/04/08	---	---	---	---	deg F	15 minutes
Wind Speed	84704	04/04/08	Mechanical Wind	Young	5108	11.4	mph	15 minutes
Wind Direction	84705	04/04/08	Sensors	Young	5108	11.1	deg	15 minutes
Peak Wind	84706	04/04/08	---	---	---	---	mph	15 minutes
Barometric Pressure	84703	04/04/08	Solid state	Hydrolynx	1522	5.5	mb, inHg	30 minutes



Water Year 2022 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	96	10/3	46	10/13	73.5		66	10/5	38	10/11	4.0	0	0	13	0	73.5	4.0
November	91	11/6	47	11/28	68.1		44	11/24	27	11/21	3.3	0	0	1	0	68.1	3.3
December	84	12/1	33	12/18	58.6		58	12/9	38	12/15	3.2	0	0	0	0	58.6	3.2
January	75	1/10	35	1/2	56.9		50	1/1	41	1/28	3.8	0	0	0	0	56.9	3.8
February	82	2/10	35	2/3	58.3		48	2/23	39	2/21	4.4	0	0	0	0	58.3	4.4
March	95	3/27	39	3/9	66.2		54	3/29	38	3/4	4.7	0	0	3	0	66.2	4.7
April	98	4/19	42	4/13	76.3		46	4/12	46	4/22	5.2	0	0	16	0	76.3	5.2
May	105	5/15	52	5/12	83.8		46	5/29	39	5/8	5.1	0	11	28	0	83.8	5.1
June	111	6/10	66	6/1	93.1		69	6/18	39	6/26	5.1	4	29	30	0	93.1	5.1
July	112	7/11	75	7/7	94.9		75	7/24	42	7/14	5.2	8	25	30	0	94.9	5.2
August	109	8/30	76	8/5	90.9		78	8/23	42	8/21	4.0	0	24	30	0	90.9	4.0
September	108	9/6	66	9/18	87.8		75	9/2	43	9/1	3.4	0	16	30	0	87.8	3.4

Maximum Temp	Minimum Temp	Mean Temp	Max Dewpoint	Peak Wind	Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°							
2022 Totals	112	7/11	33	12/18	75.7	78	8/23	46	4/22	4.3	12	105	181	0		

First 100F day: 05/07/2022

Last 100F day: 09/27/2022

First 90F day: 10/01/2021

Last 90F day: 09/30/2022

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\\_2022.xlsx](https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2022.xlsx)

# Mount Union Weather Station

## Meta Data Summary

Prescott, Arizona

Date of Station Installation: 08/16/1982

Weather Sensors Installed: 12/11/1987



**State:** Arizona

**County:** Yavapai

**Latitude:** 34° 24' 41.7" (34.4116)

**Longitude:** 112°25' 05.7" (112.4182)

**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:** 7,495 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 3510 0060 0038	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 2022 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	64	10/3	22	10/12	47.0	50	10/5	0	0	0	5	47.0
November	65	11/15	25	11/25	47.4	37	11/23	0	0	0	3	47.4
December	55	12/1	32	12/8	35.2	33	12/9	0	0	0	2	35.2
January	53	1/13	19	1/28	34.8	33	1/18	0	0	0	12	34.8
February	55	2/13	11	2/3	32.8	28	2/16	0	0	0	16	32.8
March	66	3/25	21	3/21	42.7	34	3/28	0	0	0	8	42.7
April	66	4/30	24	4/12	47.7	36	4/11	0	0	0	4	47.7
May	76	5/25	30	5/12	55.3	37	5/21	0	0	0	1	55.3
June	80	6/10	49	6/24	64.4	53	6/28	0	0	0	0	64.4
July	84	7/22	55	7/25	66.6	62	7/25	0	0	0	0	66.6
August	77	8/30	53	8/21	63.4	62	8/21	0	0	0	0	63.4
September	78	9/2	49	9/14	61.4	59	9/22	0	0	0	0	61.4

	Maximum Temp	Minimum Temp	Mean Temp	Max Dewpoint	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°			
<b>2022 Totals</b>	84	7/22	11	2/3	49.9	62	7/25	0	0	0	51

First 100F day: n/a

Last 100F day: n/a

First 90F day: n/a

Last 90F day: n/a

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\\_2022.xlsx](https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2022.xlsx)

# Osborn at 64<sup>th</sup> St Weather Station

## Meta Data Summary



Scottsdale, Arizona

Date of Station Installation: 10/22/1997

Weather Sensors Installed: 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. @ 64<sup>th</sup> St.

**Time Zone:** MST – all year

**Data Repeater:** Direct

**Elevation:** 1,255 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	56000	10/22/97	Tipping Bucket	Hydrolynx	5050P	9.7	mm	Variable
Temperature	56001	01/16/98	Transducer, Radiation Shield	Hydrolynx	2048, 4550	9.6	deg F/C	15 minutes
Relative Humidity	56002	01/16/98	Polymer film, Radiation Shield	Hydrolynx	2048, 4550	9.6	%	15 minutes
Dewpoint (calculated)	56016	02/01/98	---	---	---	---	deg F	15 minutes
Wind Speed	56004	01/16/98	Mechanical Wind	Young	5108	9.5	mph	15 minutes
Wind Direction	56005	05/20/01	Sensors	Young	5108	9.6	deg	15 minutes
Peak Wind	56006	01/16/98	---	---	---	---	mph	15 minutes



Water Year 2022 Weather Climate Summary Reports

Weather Station: Osborn @ 64th St (064)

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	Date	°F	Date	MPH	Date	MPH	Total	Total	Total	Total	°F	MPH
October	98	10/29	47	10/13	75.9	67	10/5	19	10/12	1.3	0	0	18	0	75.9	1.3	
November	94	11/4	47	11/28	68.4	49	11/23	14	11/25	0.9	0	0	6	0	68.4	0.9	
December	86	12/1	36	12/16	57.2	58	12/9	15	12/15	1.0	0	0	0	0	57.2	1.0	
January	74	1/9	35	1/2	56.6	51	1/1	17	1/28	1.3	0	0	0	0	56.6	1.3	
February	83	2/10	34	2/3	57.9	46	2/22	15	2/15	1.6	0	0	0	0	57.9	1.6	
March	95	3/25	40	3/8	65.5	55	3/28	19	3/21	1.9	0	0	3	0	65.5	1.9	
April	97	4/19	43	4/13	75.1	47	4/5	17	4/12	2.1	0	0	16	0	75.1	2.1	
May	105	5/15	54	5/12	83.1	48	5/21	17	5/8	2.1	0	8	28	0	83.1	2.1	
June	112	6/10	68	6/1	92.6	74	6/30	18	6/11	2.2	5	27	30	0	92.6	2.2	
July	114	7/11	76	7/26	95.4	75	7/18	24	7/17	2.5	11	25	31	0	95.4	2.5	
August	111	8/30	74	8/21	91.9	75	8/14	22	8/9	2.1	1	24	30	0	91.9	2.1	
September	109	9/5	68	9/18	89.4	77	9/21	19	9/11	1.7	0	18	30	0	89.4	1.7	

Maximum Temp	Minimum Temp	Mean Temp	Max Dewpoint	Peak Wind	Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°							
2022 Totals	114	7/11	34	2/3	75.8	77	9/21	24	7/17	1.7	17	102	192	0		

First 100F day: 05/14/2022

Last 100F day: 09/28/2022

First 90F day: 10/02/2021

Last 90F day: 09/30/2022

To retrieve daily weather sensor statistics by month for the entire Water Year at each weather station, use the internet link below:

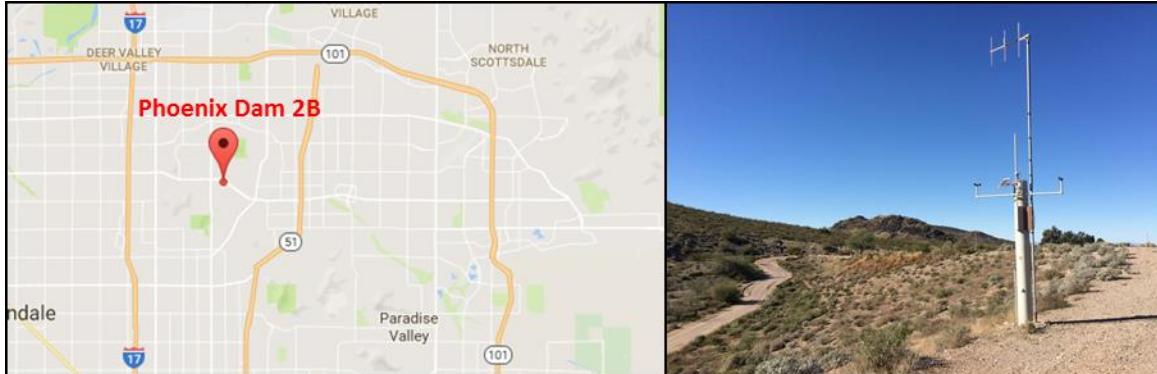
[https://alert.fcd.maricopa.gov/alert/Wx/ws\\_WY\\_2022.xlsx](https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2022.xlsx)

# Phoenix Dam 2B Weather Station

## Meta Data Summary

Phoenix, Arizona

Date of Station 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 7<sup>th</sup> St

**Time Zone:** MST – all year

**Data Repeater:** Thompson Peak

**Elevation:** 1,425 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.

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 2022 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	Date	°F	Date	MPH	Date	MPH	Total	Total	Total	Total	°F	MPH
October	97	10/4	50	10/13	73.7	65	10/5	29	10/11	1.0	0	0	12	0	73.7	1.0	
November	91	11/5	48	11/28	69.1	47	11/1	15	11/26	1.2	0	0	6	0	69.1	1.2	
December	86	12/1	37	12/16	58.7	59	12/9	20	n/a	1.6	0	0	0	0	58.7	1.6	
January	75	1/9	32	1/2	57.5	52	1/1	24	1/1	1.4	0	0	0	1	57.5	1.4	
February	82	2/10	34	2/3	57.2	45	2/22	21	2/21	2.0	0	0	0	0	57.2	2.0	
March	93	3/25	38	3/9	65.1	55	3/28	24	3/5	3.1	0	0	3	0	65.1	3.1	
April	96	4/19	40	4/13	74.9	46	4/11	29	4/19	3.8	0	0	12	0	74.9	3.8	
May	104	5/15	51	5/12	82.9	50	5/29	24	5/18	4.4	0	7	26	0	82.9	4.4	
June	111	6/10	67	6/1	92.6	66	6/18	27	6/23	4.1	3	24	30	0	92.6	4.1	
July	113	7/11	74	7/7	94.5	75	7/26	46	7/30	4.1	7	24	30	0	94.5	4.1	
August	110	8/30	74	8/9	90.6	75	8/19	29	8/12	2.8	1	20	27	0	90.6	2.8	
September	107	9/5	68	9/18	88.6	76	9/21	27	9/9	2.5	0	16	30	0	88.6	2.5	

	Maximum Temp	Minimum Temp	Mean Temp	Max Dewpoint	Peak Wind	Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°				
2022 Totals	113	7/11	32	1/2	75.4	76	9/21	46	7/30	2.7	11	91	176	1

First 100F day: 05/14/2022

Last 100F day: 09/27/2022

First 90F day: 10/01/2021

Last 90F day: 09/30/2022

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\\_2022.xlsx](https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2022.xlsx)

# Rackensack Canyon Weather Station

## Meta Data Summary

Rackensack Canyon, Arizona

Date of Station Installation: 06/28/2007



**State:** Arizona

**County:** Maricopa

**Latitude:** 33° 54' 05.9" (33.9016)

**Longitude:** 111° 50' 42.2" (111.8450)

**TRS:** T7N-R5E-Section 33

**Location:** 8 miles NE of Cave Creek

**Time Zone:** MST – all year

**Data Repeater:** Humboldt Mountain

**Elevation:** 4,475 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	76500	06/28/07	Tipping Bucket	Hydrolynx	5050P	12.1	mm	Variable
Temperature	76501	06/28/07	Capacitive Ceramic THERMOCAP	Vaisala	WXT510	13.9	deg F/C	15 minutes
Relative Humidity	76502	06/28/07	Film Polymer HUMICAP	Vaisala	WXT510	13.9	%	15 minutes
Dewpoint (calculated)	76516	06/28/07	---	---	---	---	deg F	15 minutes
Wind Speed	76504	06/28/07	Wind transducers (3 pcs)	Vaisala	WXT510	14.1	mph	15 minutes
Wind Direction	76505	06/28/07	Wind transducers (3 pcs)	Vaisala	WXT510	14.1	deg	15 minutes
Peak Wind	76506	06/28/07	---	---	---	---	mph	15 minutes
Barometric Pressure	76503	06/28/07	capacitive silicon BAROCAP	Vaisala	WXT510	13.9	mb, inHg	30 minutes



Water Year 2022 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	86	10/4	44	10/12	67.5	60	10/5	27	10/11	6.1	0	0	0	0	67.5	6.1	
November	81	11/5	54	11/24	66.5	43	11/1	22	11/21	4.7	0	0	0	0	66.5	4.7	
December	76	11/30	35	12/15	53.5	50	12/9	35	12/15	6.4	0	0	0	0	53.5	6.4	
January	68	1/13	32	1/2	53.0	44	n/a	36	1/1	5.5	0	0	0	1	53.0	5.5	
February	72	2/14	30	2/24	52.4	40	2/22	30	2/12	6.9	0	0	0	3	52.4	6.9	
March	83	3/25	36	3/6	58.8	47	3/28	29	3/17	7.9	0	0	0	0	58.8	7.9	
April	84	4/8	43	4/13	67.9	42	4/11	35	4/11	8.6	0	0	0	0	67.9	8.6	
May	94	5/14	53	5/12	74.1	41	5/29	30	5/29	9.1	0	0	2	0	74.1	9.1	
June	98	6/10	67	6/19	82.3	57	6/18	30	6/25	7.4	0	0	19	0	82.3	7.4	
July	100	7/11	66	7/30	83.8	68	7/28	30	7/17	7.2	0	1	20	0	83.8	7.2	
August	97	8/30	65	8/21	80.2	67	8/20	22	8/17	5.5	0	0	13	0	80.2	5.5	
September	95	9/5	64	9/11	79.2	67	9/21	24	9/9	5.2	0	0	12	0	79.2	5.2	

	Maximum Temp	Minimum Temp	Mean Temp	Max Dewpoint	Peak Wind	Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°						
2022 Totals	100	7/11	30	2/24	68.3	68	7/28	36	1/1	6.7	0	1	66	4		

First 100F day: 07/11/2022

Last 100F day: 07/11/2022

First 90F day: 05/14/2022

Last 90F day: 09/26/2022

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\\_2022.xlsx](https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2022.xlsx)

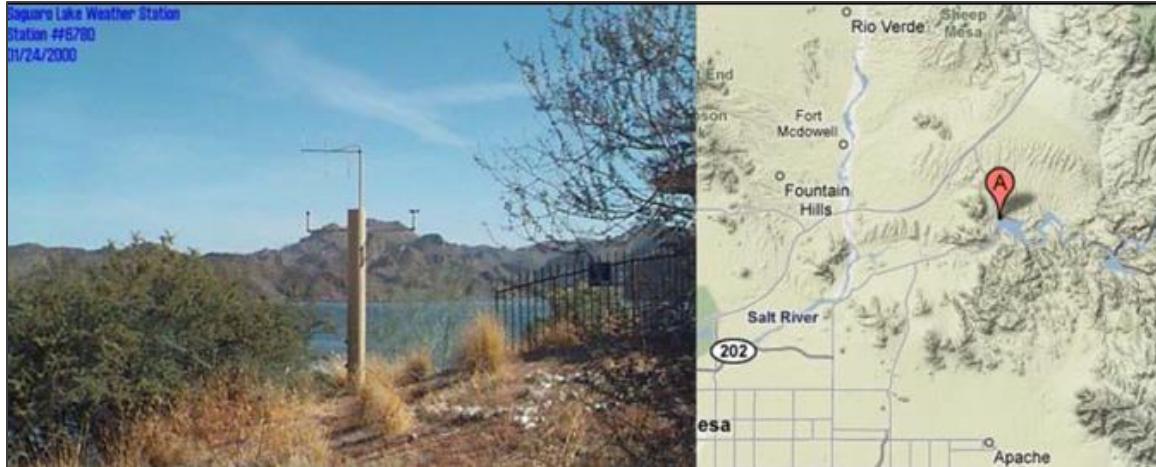
# Saguaro Lake Weather Station

## Meta Data Summary



Saguaro Lake, Arizona

Date of Station Installation: 01/24/2000



**State:** Arizona

**County:** Maricopa

**Latitude:** 33° 34' 29.9" (33.5749)

**Longitude:** 111° 32' 15.0" (111.5375)

**TRS:** T2N-R8E-Section 27

**Location:** MCSO yard, NW corner of the lake

**Time Zone:** MST – all year

**Data Repeater:** Mt. Ord

**Elevation:** 1,550 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.

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/sqm	30 minutes
Barometric Pressure	63503	01/24/00	Solid state	Hydrolynx	1522	4.0	mb, inHg	30 minutes



**Water Year 2022 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	Date	°F	Date	MPH	Date	MPH	Total	Total	Total	Total	°F	MPH
October	99	10/4	48	10/13	72.9	65	10/5	24	10/16	1.6	0	0	13	0	72.9	1.6	
November	96	11/14	46	11/28	67.9	55	11/2	21	11/22	1.6	0	0	6	0	67.9	1.6	
December	85	12/2	32	12/16	56.8	61	12/24	21	12/15	1.0	0	0	2	1	56.8	1.0	
January	74	1/13	31	1/2	54.0	55	1/18	27	1/22	2.2	0	0	0	1	54.0	2.2	
February	82	2/14	32	2/3	56.2	49	2/16	27	2/4	1.9	0	0	0	1	56.2	1.9	
March	93	3/25	35	3/9	62.3	57	3/28	24	3/28	1.6	0	0	3	0	62.3	1.6	
April	98	4/26	41	4/13	72.6	57	4/5	22	4/22	1.8	0	0	13	0	72.6	1.8	
May	104	5/15	52	5/12	81.6	60	5/27	24	5/8	1.7	0	6	27	0	81.6	1.7	
June	112	6/10	65	6/1	90.6	73	6/29	37	6/26	1.8	3	26	30	0	90.6	1.8	
July	112	7/11	74	7/28	94.1	77	7/16	34	7/16	1.9	11	26	31	0	94.1	1.9	
August	112	8/30	73	8/9	89.8	76	8/9	24	8/23	1.0	1	21	29	0	89.8	1.0	
September	107	9/5	67	9/18	87.7	76	9/22	23	9/2	1.2	0	17	30	0	87.7	1.2	

	Maximum Temp	Minimum Temp	Mean Temp	Max Dewpoint	Peak Wind	Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°						
2022 Totals	112	6/11	31	1/2	73.9	77	7/16	37	6/26	1.6	15	96	184	3		

First 100F day: 05/14/2022

Last 100F day: 09/27/2022

First 90F day: 10/01/2021

Last 90F day: 09/30/2022

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\\_2022.xlsx](https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2022.xlsx)

# South Mountain Fan Weather Station

## Meta Data Summary

Phoenix, Arizona

Date of Station 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 35<sup>th</sup> Ave in South Mtn. Park

**Time Zone:** MST – all year

**Data Repeater:** Direct

**Elevation:** 1,270 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

Flood Control District of Maricopa County

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/sqm	30 minutes
Barometric Pressure	70503	02/24/94	Solid state	Hydrolynx	1522	4.7	mb, inHg	30 minutes



Water Year 2022 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	10/4	52	10/13	76.3	71	10/5	33	10/11	0.7	0	0	16	0	76.3	0.7
November	94	11/6	51	11/25	71.8	46	11/24	16	11/21	0.3	0	0	7	0	71.8	0.3
December	87	12/2	40	12/16	60.7	61	12/9	30	12/14	0.5	0	0	0	0	60.7	0.5
January	76	n/a	36	1/2	59.2	55	1/1	28	1/28	0.6	0	0	0	0	59.2	0.6
February	87	2/13	39	2/3	63.6	51	2/22	23	2/6	2.3	0	0	0	0	63.6	2.3
March	96	3/25	42	3/8	68.7	51	3/29	22	3/10	2.8	0	0	3	0	68.7	2.8
April	100	4/19	48	4/13	78.7	45	4/5	24	4/22	3.0	0	1	19	0	78.7	3.0
May	107	5/15	63	5/12	86.6	47	5/21	23	5/1	3.2	0	13	28	0	86.6	3.2
June	113	6/16	74	6/1	94.3	72	6/27	35	6/26	3.0	4	29	30	0	94.3	3.0
July	114	7/11	74	7/29	95.6	76	7/26	22	7/16	3.0	8	25	31	0	95.6	3.0
August	112	8/30	72	8/20	91.3	78	8/9	32	8/18	2.0	1	23	30	0	91.3	2.0
September	109	9/5	72	9/18	90.0	77	9/21	20	9/28	1.9	0	20	30	0	90.0	1.9

Maximum Temp	Minimum Temp	Mean Temp	Max Dewpoint	Peak Wind	Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°							
2022 Totals	114	7/11	36	1/2	78.1	78	8/9	35	6/26	1.9	13	111	194	0		

First 100F day: 04/19/2022

Last 100F day: 09/28/2022

First 90F day: 10/01/2021

Last 90F day: 09/30/2022

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\\_2022.xlsx](https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2022.xlsx)

# South Mountain Park Weather Station

## Meta Data Summary



**Phoenix, Arizona**

**Date of Station Installation: 10/01/1987**

**Weather Sensors Installed: 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 24<sup>th</sup> Street

**Time Zone:** MST – all year

**Data Repeater:** Direct

**Elevation:** 2,350 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/sqm	30 minutes
Barometric Pressure	68503	07/01/93	Solid state	Hydrolynx	1522	7.4	mb, inHg	30 minutes



Water Year 2022 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	93	10/4	54	10/13	74.8		66	10/5	32	10/11	1.2	0	0	2	0	74.8	1.2
November	86	11/6	57	11/25	72.2		49	11/1	20	11/25	1.1	0	0	0	0	72.2	1.1
December	80	12/1	45	12/15	59.5		57	12/9	28	12/15	0.7	0	0	0	0	59.5	0.7
January	69	n/a	40	1/2	58.6		52	1/1	28	1/1	1.4	0	0	0	0	58.6	1.4
February	77	2/14	39	2/24	59.4		46	2/22	24	2/23	1.4	0	0	0	0	59.4	1.4
March	91	3/25	45	3/6	67.0		50	3/29	24	3/23	1.5	0	0	3	0	67.0	1.5
April	95	4/19	53	4/13	76.5		45	4/5	24	4/12	1.9	0	0	9	0	76.5	1.9
May	102	5/15	60	5/12	84.0		47	5/29	24	5/1	1.8	0	6	24	0	84.0	1.8
June	109	6/10	77	6/19	92.8		69	6/19	26	6/21	1.2	0	22	30	0	92.8	1.2
July	111	7/11	75	7/24	93.9		76	7/26	30	7/16	1.2	3	24	30	0	93.9	1.2
August	109	8/30	72	8/9	90.0		75	8/20	26	8/12	0.7	0	19	30	0	90.0	0.7
September	106	9/6	72	9/10	88.4		77	9/21	21	9/11	0.6	0	12	29	0	88.4	0.6

Maximum Temp	Minimum Temp	Mean Temp	Max Dewpoint	Peak Wind	Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°							
2022 Totals	111	7/11	39	2/24	76.4	77	9/21	32	10/11	1.2	3	83	157	0		

First 100F day: 05/14/2022

Last 100F day: 09/26/2022

First 90F day: 10/03/2021

Last 90F day: 09/30/2022

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\\_2022.xlsx](https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2022.xlsx)

# Sycamore Creek Upper Weather Station

## Meta Data Summary

**Sunflower Arizona**

**Date of Station 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:** Mt. Ord

**Elevation:** 5,825 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 – 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	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 2022 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	76	10/4	36	10/12	59.8	57	10/5	46	10/11	8.4	0	0	0	0	59.8	8.4		
November	73	11/6	38	11/25	58.8	40	11/23	32	11/26	9.0	0	0	0	0	58.8	9.0		
December	69	12/1	28	12/15	46.9	44	12/24	36	12/15	8.2	0	0	0	2	46.9	8.2		
January	63	1/12	26	1/2	46.5	39	1/19	37	1/15	9.8	0	0	0	2	46.5	9.8		
February	60	2/28	20	2/24	43.0	33	2/22	32	1/29	10.5	0	0	0	7	43.0	10.5		
March	75	3/25	27	3/6	49.6	38	3/28	37	3/11	9.9	0	0	0	4	49.6	9.9		
April	76	4/18	34	4/13	58.4	35	4/11	32	4/19	10.0	0	0	0	0	58.4	10.0		
May	86	5/15	46	5/12	66.0	38	5/21	32	5/9	8.9	0	0	0	0	66.0	8.9		
June	93	6/10	60	6/19	74.8	57	6/26	31	6/24	8.1	0	0	4	0	74.8	8.1		
July	94	7/11	60	7/28	77.2	64	7/27	35	7/30	6.9	0	0	13	0	77.2	6.9		
August	88	8/6	60	8/18	73.1	64	8/20	32	8/4	6.2	0	0	0	0	73.1	6.2		
September	89	9/5	59	9/12	71.8	62	9/22	25	9/28	7.0	0	0	0	0	71.8	7.0		
		Maximum Temp		Minimum Temp		Mean Temp		Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°		
<b>2022 Totals</b>		94	7/11	20	2/24	60.5	64	7/27	46	10/11	8.6	0	0	17	15			

First 100F day: n/a

Last 100F day: n/a

First 90F day: 06/09/2022

Last 90F day: 07/22/2022

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\\_2022.xlsx](https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2022.xlsx)

# Thompson Peak Weather Station

## Meta Data Summary

Scottsdale, Arizona

Date of Station Installation: 07/27/1989

Weather Sensors Installed: 12/19/1995



**State:** Arizona

**County:** Maricopa

**Latitude:** 33° 38' 33.2" (33.6425)

**Longitude:** 111°48' 32.9" (111.8091)

**TRS:** T4N-R5E-Section 35

**Location:** 120<sup>th</sup> Street and Bell Road alignments

**Time Zone:** MST – all year

**Data Repeater:** Direct

**Elevation:** 3,995 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.

Detailed Sensor Data								
Sensor	ID #	Data Begins	Type	Manufacturer	Model	Height AGL (ft)	Units	Frequency of Data
Rain	1900 6650	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 2022 Weather Climate Summary Reports**

**Weather Station: Thompson Peak (TMP)**

Months	Maximum Temp		Minimum Temp		Mean Temp	Max Dewpoint		Day ≥ 110° Total	Days ≥ 100° Total	Days ≥ 90° Total	Days ≤ 32° Total	Monthly Mean Temp °F
	°F	Date	°F	Date		°F	Date					
<b>October</b>	92	10/4	47	10/12	69.8	67	10/5	0	0	2	0	69.8
<b>November</b>	87	11/5	49	11/25	68.3	45	11/24	0	0	0	0	68.3
<b>December</b>	81	12/1	36	12/15	54.8	53	12/9	0	0	0	0	54.8
<b>January</b>	70	1/16	31	1/2	53.8	45	1/1	0	0	0	1	53.8
<b>February</b>	77	2/12	31	2/24	54.0	42	2/22	0	0	0	3	54.0
<b>March</b>	88	3/25	36	3/6	61.4	48	3/29	0	0	0	0	61.4
<b>April</b>	91	4/8	45	4/13	70.8	43	4/5	0	0	4	0	70.8
<b>May</b>	98	5/14	54	5/12	78.2	46	5/29	0	0	13	0	78.2
<b>June</b>	106	6/10	72	6/27	87.9	63	6/18	0	13	29	0	87.9
<b>July</b>	107	7/11	69	7/28	89.0	74	7/30	0	15	29	0	89.0
<b>August</b>	105	8/30	70	8/4	85.0	72	8/9	0	3	27	0	85.0
<b>September</b>	106	9/6	66	9/11	84.5	73	9/21	0	7	26	0	84.5

	Maximum Temp	Minimum Temp	Mean Temp	Max Dewpoint	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°
<b>2022 Totals</b>	107	7/11	31	1/2	71.5	74	7/30	0

First 100F day: 06/08/2022

Last 100F day: 09/07/2022

First 90F day: 10/03/2021

Last 90F day: 09/30/2022

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\\_2022.xlsx](https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2022.xlsx)

# Tiger Wash Fan Weather Station

## Meta Data Summary

**Tonopah, Arizona**

**Date of Station Installation: 09/21/1994**



**State:** Arizona

**County:** Maricopa

**Latitude:** 33° 40' 13.3" (33.6704)

**Longitude:** 113°18' 50.0" (113.3139)

**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:** 1,605 ft. msl

**Owner:** Flood Control District of Maricopa County

**NWS CWA/Zone #:** Phoenix, 22

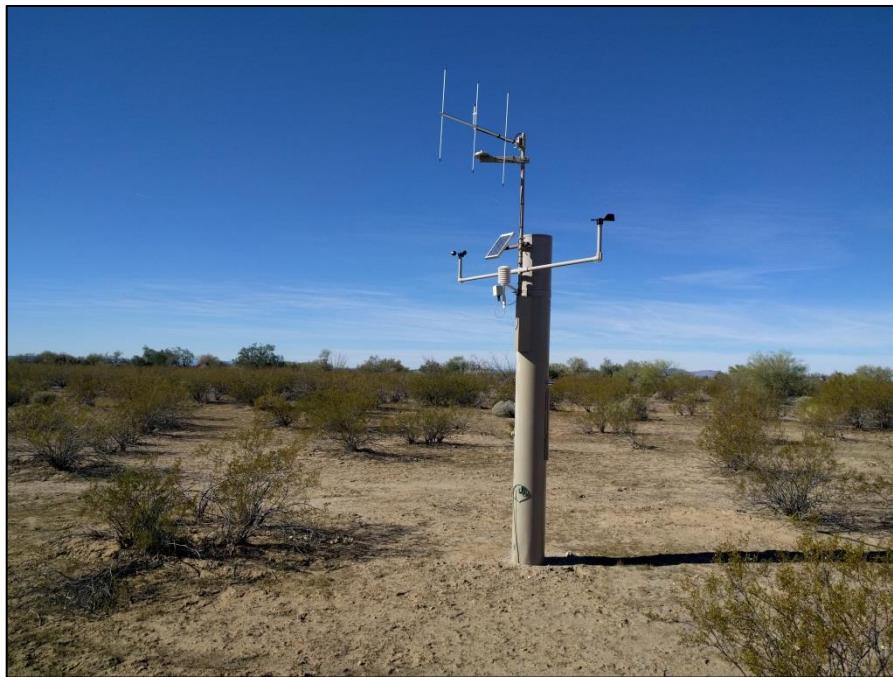
**Archived:** Yes, from date of sensor installation

**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/sqm	30 minutes
Barometric Pressure	26803	09/23/94	Solid state	Hydrolynx	1522	6.6	mb, inHg	30 minutes



Water Year 2022 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	96	10/4	47	10/13	71.1	65	10/5	30	10/11	1.7	0	0	4	0	71.1	1.7		
November	88	11/5	41	11/25	67.3	44	11/1	19	11/10	0.6	0	0	0	0	67.3	0.6		
December	85	12/2	34	12/18	56.5	59	12/24	20	12/14	3.2	0	0	0	0	56.5	3.2		
January	78	1/14	32	1/2	56.3	49	1/22	23	1/1	3.6	0	0	0	1	56.3	3.6		
February	84	2/10	32	2/24	57.9	44	2/23	28	2/2	4.2	0	0	0	1	57.9	4.2		
March	92	3/26	34	3/6	62.7	46	3/29	27	3/28	5.2	0	0	2	0	62.7	5.2		
April	96	4/19	36	4/13	71.3	48	4/11	24	4/19	4.8	0	0	9	0	71.3	4.8		
May	102	5/15	55	5/11	78.7	48	5/21	20	5/8	4.7	0	4	21	0	78.7	4.7		
June	110	6/11	63	6/2	88.8	67	6/27	26	6/26	4.5	1	20	30	0	88.8	4.5		
July	111	7/16	71	7/7	91.4	73	7/26	34	7/17	4.3	3	20	30	0	91.4	4.3		
August	106	8/30	70	8/4	87.1	75	8/20	35	8/18	3.7	0	10	29	0	87.1	3.7		
September	105	9/5	63	9/18	84.5	72	9/21	27	9/2	3.5	0	9	29	0	84.5	3.5		
		Maximum Temp		Minimum Temp		Mean Temp		Max Dewpoint		Peak Wind		Avg Wind	Day ≥ 110°	Days ≥ 100°	Days ≥ 90°	Days ≤ 32°		
<b>2022 Totals</b>		111	7/16	32	1/2	72.8	75	8/20	35	8/18	3.7	4	63	154	2			

First 100F day: 05/14/2022

Last 100F day: 09/25/2022

First 90F day: 10/02/2021

Last 90F day: 09/30/2022

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\\_2022.xlsx](https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2022.xlsx)

# Usery Mountain Park Weather Station

## Meta Data Summary



Mesa, Arizona

Date of Station 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

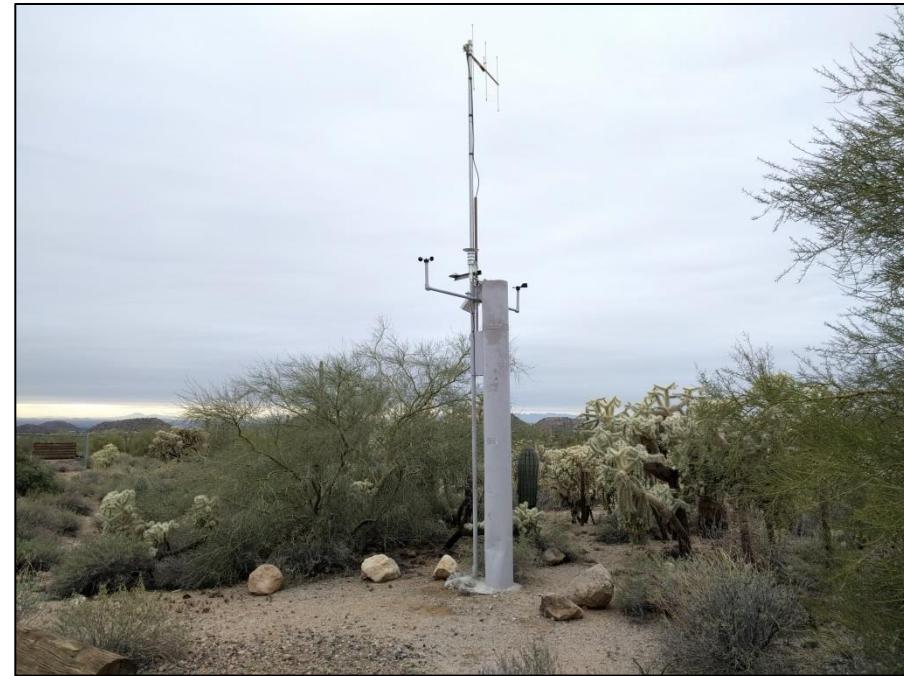
**Site Description:** Flat ground, Soil type –dirt/shrubs

**Obstructions:** No obstructions

Flood Control District of Maricopa County

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	80700	02/24/94	Tipping Bucket	Hydrolynx	5050P	11.1	mm	Variable
Temperature	80701	02/24/94	Probe, Radiation Shield	Vaisala, Hydrolynx	HMP155, 4550	11.9	deg F/C	15 minutes
Relative Humidity	80702	02/24/94	Probe, Radiation Shield	Vaisala, Hydrolynx	HMP155, 4550	11.9	%	15 minutes
Dewpoint (calculated)	80716	07/08/94	---	---	---	---	deg F	15 minutes
Wind Speed	80704	02/24/94	3-cup	Hydrolynx	5050WS	11.6	mph	15 minutes
Wind Direction	80705	05/01/01	Pointer	Hydrolynx	5050WD	11.7	deg	15 minutes
Peak Wind	80706	02/24/94	---	---	---	---	mph	15 minutes
Solar Radiation	80711	02/24/94	Silicon photovoltaic cell	Hydrolynx	4015	11.7	watt/sqm	30 minutes
Barometric Pressure	80703	02/24/94	Solid state	Hydrolynx	1522	9.9	mb, inHg	30 minutes



**Water Year 2022 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	97	10/4	48	10/13	72.8	69	10/5	31	10/16	1.9	0	0	3	0	72.8	1.9
November	89	11/5	50	11/27	69.8	45	11/24	24	11/22	1.9	0	0	0	0	69.8	1.9
December	84	12/1	38	12/17	57.2	54	12/9	49	12/14	1.4	0	0	0	0	57.2	1.4
January	72	1/13	33	1/2	56.4	48	1/1	29	1/7	2.1	0	0	0	0	56.4	2.1
February	79	2/13	34	2/24	57.4	42	2/16	36	2/13	2.9	0	0	0	0	57.4	2.9
March	92	3/25	40	3/6	64.2	50	3/29	34	3/30	2.3	0	0	3	0	64.2	2.3
April	95	4/26	46	4/13	74.3	45	4/11	38	4/29	2.7	0	0	10	0	74.3	2.7
May	102	5/15	54	5/12	82.0	46	5/27	36	5/24	2.7	0	4	24	0	82.0	2.7
June	110	6/10	71	6/1	91.4	66	6/26	37	6/20	3.0	2	23	30	0	91.4	3.0
July	112	7/11	73	7/28	93.0	75	7/29	55	7/22	2.9	3	24	31	0	93.0	2.9
August	108	8/30	71	8/9	88.3	75	8/18	44	8/20	1.7	0	17	29	0	88.3	1.7
September	106	9/6	70	9/11	87.2	76	9/21	40	9/15	1.8	0	13	30	0	87.2	1.8
<b>2022 Totals</b>		112	7/11	33	1/2	74.5	76	9/21	55	7/22	2.3	5	81	160	0	

First 100F day: 05/14/2022

Last 100F day: 09/26/2022

First 90F day: 10/03/2021

Last 90F day: 09/30/2022

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\\_2022.xlsx](https://alert.fcd.maricopa.gov/alert/Wx/ws_WY_2022.xlsx)

# Wickenburg Airport Weather Station

## Meta Data Summary



Wickenburg, Arizona

Date of Station 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:** 2,385 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/sqm	30 minutes
Barometric Pressure	52803	08/03/94	Solid state	Hydrolynx	1522	8.7	mb, inHg	30 minutes



Water Year 2022 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	Date	°F	Date	MPH	Date	MPH	Total	Total	Total	Total	°F	MPH
October	92	10/4	41	10/13	66.7	60	10/5	29	10/11	2.8	0	0	1	0	66.7	2.8	
November	86	11/14	43	11/24	63.4	41	11/1	18	11/10	2.0	0	0	0	0	63.4	2.0	
December	80	12/1	33	12/16	53.7	55	12/9	48	12/14	2.7	0	0	0	0	53.7	2.7	
January	76	1/14	30	1/2	55.0	50	12/30	55	1/1	3.5	0	0	0	1	55.0	3.5	
February	81	2/10	31	2/24	56.5	44	2/23	47	2/2	4.5	0	0	0	1	56.5	4.5	
March	89	3/25	32	3/6	61.1	49	3/29	55	3/10	5.4	0	0	0	1	61.1	5.4	
April	93	4/19	35	4/13	70.4	49	4/11	45	4/12	4.8	0	0	7	0	70.4	4.8	
May	100	5/15	53	5/11	78.1	48	5/21	36	5/1	4.9	0	2	17	0	78.1	4.9	
June	109	6/11	61	6/20	87.9	68	6/29	52	6/24	4.5	0	18	30	0	87.9	4.5	
July	110	7/11	71	7/7	90.4	75	7/28	52	7/17	4.0	2	19	29	0	90.4	4.0	
August	106	8/30	69	8/19	85.6	75	8/23	49	8/14	2.9	0	4	29	0	85.6	2.9	
September	104	9/5	58	9/18	82.8	77	9/1	57	9/2	2.9	0	8	27	0	82.8	2.9	
		<b>Maximum Temp</b>		<b>Minimum Temp</b>		<b>Mean Temp</b>		<b>Max Dewpoint</b>		<b>Peak Wind</b>		<b>Avg Wind</b>		<b>Day ≥ 110°</b>		<b>Days ≥ 100°</b>	
<b>2022 Totals</b>		110	7/11	30	1/2	71.0	77	9/1	57	9/2	3.7	2	51	140	3		

First 100F day: 05/15/2022

Last 100F day: 09/07/2022

First 90F day: 10/04/2021

Last 90F day: 09/30/2022

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