



Belmont Mountains Weather Station


MARICOPA
COUNTY
FLOOD CONTROL DISTRICT

Annual Hydrologic Data Report
Volume III: Weather Statistics
Water Year 2024

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 2024". 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
2801 W. Durango Street
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 station summaries are linked within the document.

Introduction

This publication is part of a three-volume report containing hydrologic and meteorological data collected by the Flood Control District of Maricopa County during Water Year 2024. 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.

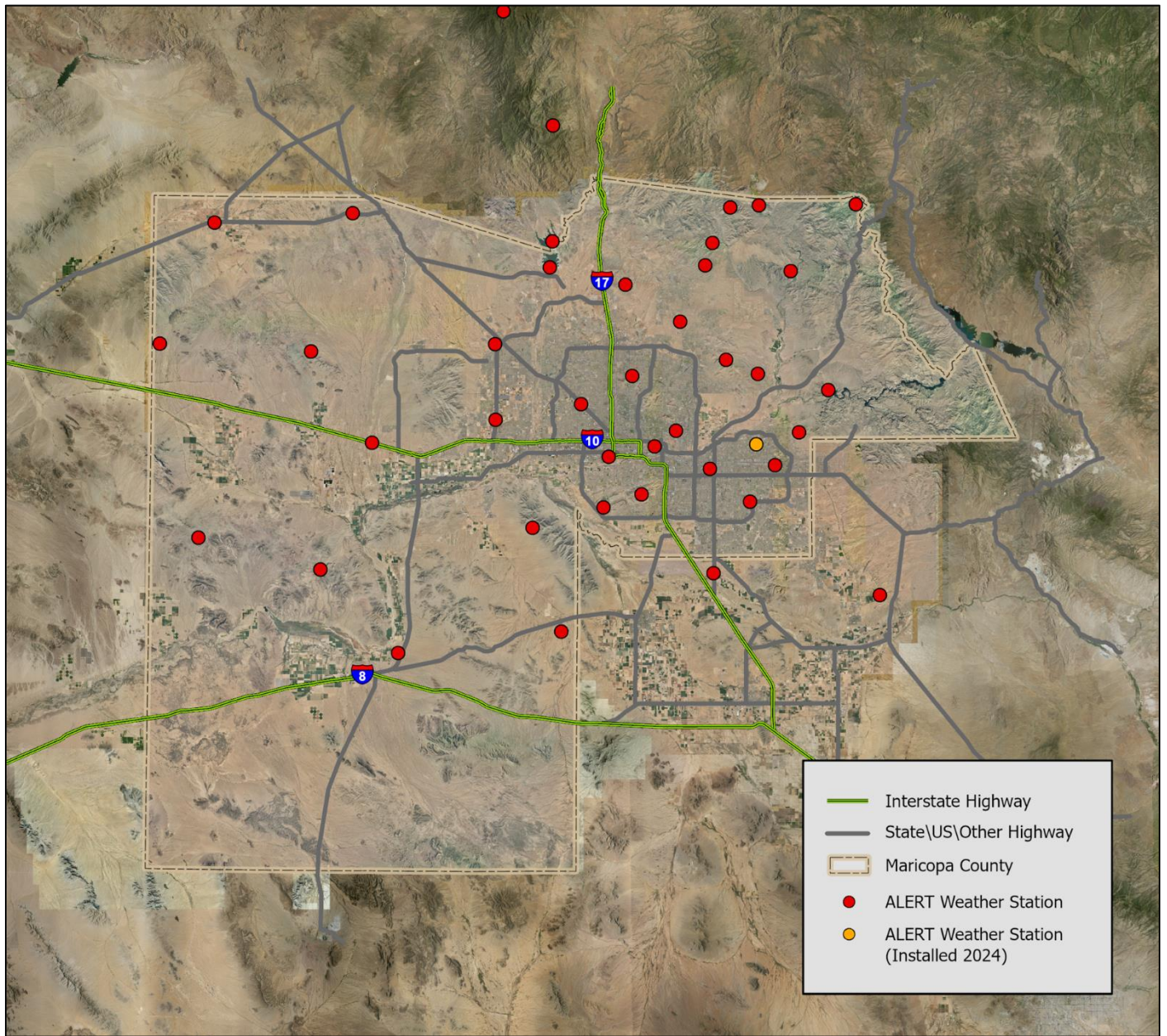
All weather stations report temperature and relative humidity; many also report a combination of wind direction, wind speed, barometric pressure, and solar radiation. In addition, dewpoint temperature is calculated every 15 minutes at all weather stations using the temperature and relative humidity data. 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 “2024 Water Year” which began on Oct. 1st, 2023, and ended Sept. 30th, 2024. Each monthly summary represents one weather station and lists daily weather station statistics by sensor. The monthly summaries are arranged chronologically and by station name.
- An index of ALERT System weather stations, code names, locations, and installation dates are located on [page viii](#). This is followed by a sensor id number matrix listing the available sensors at each weather station. Both indexes are sorted by station name in alphabetical order. Station names are hyper-linked to additional weather station information and climate summaries (where available).
- The monthly weather summaries contain daily maximum, minimum, and mean values for temperature and dewpoint. The monthly summaries also contain daily maximum and minimum values for relative humidity and barometric pressure. Finally, the monthly summaries contain daily maximum peak wind and solar radiation values. All of the ALERT system weather stations record precipitation; however, that data is located in the [FCDMC Hydrologic Data Report Volume I](#).
- The unit of measurement for daily maximum, minimum, and mean temperature data is in degrees Fahrenheit (°F). The daily maximum, minimum, and mean dewpoint data are also in degrees Fahrenheit (°F). The daily maximum and minimum relative humidity data are in percent (%). The daily maximum peak wind data are in miles per hour (mph). The daily maximum and minimum barometric pressure are in millibars (mb). The daily maximum solar radiation data are in watts per square meter (w/m²).
- All data presented in the weather summaries are rounded to the nearest whole value. Additional and/or more detailed sensor data in hard copy or electronic copy are available for the weather station sensors listed in this report. Contact the FCDMC, Flood Warning Branch at (602) 506-8701. Data can also be downloaded from our web site at <http://www.maricopa.gov/3769/Weather-Sensor-Data>.

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

Figure 1: General Map of ALERT Weather Station Locations as of 09/30/2024



New Installations in Water Year 2024

There was one new weather station installed during Water Year 2024 (shown below and indicated in orange on Figure 1) in the Mesa area at the Falcon Field Airport (Falcon Field Park). Installation and data collection began on August 8th, 2024. Due the limited observation dataset, a Water Year 2024 weather data summary at this site is not included in this report. Falcon Field metadata may be reviewed by clicking [here](#).



Station Changes in Water Year 2024

There were no weather stations moved in Water Year 2024.

Update (May 2025): Thompson Peak weather station sensor IDs updated to 2501 (temperature), 2502 (relative humidity), and 2516 (dewpoint). Legacy ID#s for reference are 1901, 1902, and 1916.

Table 1: ALERT System Weather Stations Water Year 2024

Station Name	Data Begins	T-R-S	Latitude	Longitude	Elev. (ft.)	Location
Aguila VFD	03/26/15	7N-9W-22	33 56 27.4	113 10 19.8	2,170	Located behind Aguila Volunteer Fire Department in field
Bartlett Lake *	08/31/00	6N-7E-28	33 50 20.2	111 38 11.7	1,825	Bartlett Lake Sheriff Sub-station
Belmont Mountains *	03/20/07	4N-6W-30	33 39 26.7	112 54 41.3	1,865	4.8 mi. SW of the intersection of Aguila and Wickenburg Roads
Buckeye FRS #1 *	03/01/97	1N-5W-03	33 27 21.8	112 44 53.6	1,075	West end of Buckeye FRS #1, I-10 @ Hassayampa River
Camelback @ Loop 303	01/22/15	2N-2W-22	33 30 30.8	112 25 11.4	1,065	Northwest corner of Camelback Rd and Loop 303
Carefree Ranch *	11/02/87	6N-5E-20	33 51 08.3	111 51 49.1	2,980	3.5 mi. NE of Sky Ranch Airport
City of Glendale *	12/19/95	2N-2E-06	33 32 37.0	112 11 36.8	1,140	Grand Avenue at 63rd Avenue
Crossroads Park *	12/18/95	1S-6E-21	33 19 39.7	111 44 47.9	1,265	1/2 mi. NW of Ray Rd. and Greenfield Rd.
Desert Mtn. School *	07/19/06	5N-3E-05	33 48 33.6	112 04 37.8	1,810	1/4 mile SE of Cloud Road and 7th Ave.
Durango Complex *	10/31/91	1N-2E-14	33 25 37.0	112 07 11.3	1,045	27th Ave. and Durango St.
EMF@ Arizona Ave	06/06/12	3S-5E-15	33 10 09.6	111 50 33.3	1,215	Arizona Ave/Hwy 587 at EMF
Estrella Fan *	12/02/92	2S-1W-12	33 16 10.1	112 19 15.3	1,450	Alignments of El Mirage Rd. and Germann Rd.
Falcon Field **	08/08/24	1N-R6E-03	33 27 16.5	111 43 45.5	1,370	Falcon Field Airport (Falcon Field Park)
Fountain Hills *	07/23/97	3N-6E-15	33 36 40.0	111 43 30.6	1,675	At Palisades Blvd. Fire Station, nr xsecn with Fntn. Hills Blvd.
G&F Woolsey Peak *	06/25/03	3S-6W-09	33 10 23.7	112 52 50.5	2,005	8 miles southwest of Gillespie Dam
Gateway C. College *	09/10/04	1N-3E-12	33 27 03.7	111 59 44.0	1,140	40th St. at Van Buren
Gila Bend Landfill *	01/17/02	5S-4W-16	32 59 21.5	112 40 30.5	735	3 mi. North of the intersection of US 80 and I-8
Gila Bend Mountains *	06/01/88	2S-9W-17	33 14 29.0	113 12 18.1	1,575	16 mi. NW of Painted Rock Dam off Agua Caliente Rd.
Horseshoe Lake *	09/06/00	7N-6E-09	33 59 08.4	111 43 15.5	2,065	Horseshoe Lake – SW Corner near Boat Ramp
Horsethief Basin *	03/28/88	9N-1E-33	34 09 44.6	112 16 14.1	6,710	At HB Recreation Area, 6 mi. SE of Crown King
Humboldt Mtn. *	06/13/96	7N-5E-01	33 58 50.7	111 47 52.6	5,205	13 mi. NE of the Town of Cave Creek
Jefferson Park	12/21/16	1N-7E-19	33 24 29.5	111 40 47.9	1,395	SW side of Jefferson Park, just N of Broadway Rd
Jomax @ 70th *	06/26/97	5N-4E-36	33 43 37.1	111 53 49.5	2,010	1/8 mi. W of 70 th St on Jomax Rd.
Kleinman Park	12/21/16	1N-5E-28	33 24 02.2	111 51 06.8	1,215	SW side of Kleinman Park, just N of 8 th Ave.
Lake Pleasant *	11/13/08	6N-1E-20	33 50 49.9	112 16 41.7	1,825	South end of Lake Pleasant
Lake Pleasant North *	04/24/01	7N-1E-33	33 54 16.8	112 16 15.0	1,755	On Deer Island, north end of Lake Pleasant
Magma FRS *	12/19/95	4S-9E-35	33 07 06.5	111 24 16.6	1,625	7 mi. NNW of Florence
McMicken Dam *	06/02/04	4N-2W-24	33 40 37.2	112 25 24.3	1,355	N. end of the dam, 1/4 mi SE of Deer Valley Rd and Cotton Ln
Mobile *	04/04/08	4S-1E-34	33 02 18.4	112 14 38.7	1,340	2 miles SE of Mobile
Mt. Union *	12/11/87	12N-2W-01	34 24 54.3	112 24 17.2	7,975	Top of Mt. Union, 10 mi. SSE of Prescott
Osborn @ 64th St. *	01/16/98	2N-4E-27	33 29 06.4	111 56 33.5	1,250	200 yards east of Osborn Rd. @ 64th St.
Phoenix Dam 2B *	06/29/09	3N-3E-16	33 36 23.8	112 03 28.4	1,415	Near Thunderbird and 7th St.
Rackensack Canyon *	11/28/07	7N-5E-33	33 54 09.4	111 50 43.0	4,445	8 miles NE of Cave Creek
Saguaro Lake *	01/24/00	2N-8E-27	33 34 30.7	111 32 15.1	1,540	MCSO yard, NW corner of the Lake
South Mountain Fan *	06/09/93	1S-2E-26	33 18 54.7	112 08 01.3	1,285	Alignments of Ray Rd. and 35th Ave. in S. Mtn. Park
South Mountain Park *	12/15/87	1S-3E-15	33 20 39.8	112 01 58.9	2,355	Alignments of Elliot Rd. and 24th St.
Sycamore Creek Upper	06/26/13	8N-9E-31	33 59 15.4	111 27 51.5	5,820	Approx 8-10mi NNW of Hwy 87 and FR 626 turn off
Thompson Peak *	12/19/95	4N-5E-35	33 38 32.7	111 48 33.2	3,485	Near Thompson Peak, 120th St. and Bell Rd. alignments
Tiger Wash Fan *	09/21/94	4N-10W-20	33 40 12.8	113 18 50.0	1,615	1 mi. W of Eagle Eye Rd. and 4 mi. N of Salome Highway
Usery Park WS *	02/24/94	2N-7E-27	33 28 54.1	111 36 57.4	2,065	1/4 mi. WNW of the Crismon Rd. and Thomas Rd. alignments
Wickenburg Airport *	08/03/94	7N-5W-08	33 57 53.5	112 48 14.4	2,380	4.5 mi. West of the US 60 / US 93 junction

* Stations include climate summary

**New station installation (Water Year stats not available due to limited data)

Table 2: ALERT Weather Stations Sensor ID Matrix WY 2024

Station Name	Code	Peak Wind	Wind Speed	Wind Direction	Relative Humidity	Temperature	Dewpoint	Solar Radiation	Barometric Pressure
Aquila VFD	AFD	28306	28304	28305	28302	28301	28316	----	----
Bartlett Lake *	BTL	82706	82704	82705	82702	82701	82716	82711	82703
Belmont Mountains *	BEL	46306	46304	46305	46302	46301	46316	46311	----
Buckeye FRS #1 *	BF1	44006	44004	44005	44002	44001	44016	----	44003
Camelback @ Loop 303	CRC	87506	87504	87505	87502	87501	87516	----	----
Carefree Ranch *	CFR	21006	21004	21005	21002	21001	21016	21011	----
City of Glendale *	GLN	6506	6504	6505	6502	6501	6516	6511	6503
Crossroads Park *	XRD	33006	33004	33005	33002	33001	33016	33011	33003
Desert Mtn. School *	DMS	18706	18704	18705	18702	18701	18716	18711	18703
Durango Complex *	DGO	3306	3304	3305	3302	3301	3316	3311	3303
EMF@ Arizona Ave	EAA	35206	35204	35205	35202	35201	35216	35211	----
Estrella Fan *	EST	84206	84204	84205	84202	84201	84216	84211	84203
Falcon Field **	FFA	34006	34004	34005	34002	34001	34016	----	----
Fountain Hills *	FHF	----	----	----	76702	76701	76716	----	----
G&F Woolsey Peak *	GWP	----	----	----	23202	23201	23216	----	----
Gateway C. College *	GCC	3006	3004	3005	3002	3001	3016	----	3003
Gila Bend Landfill *	GBL	42506	42504	42505	42502	42501	42516	42511	----
Gila Bend Mountains *	GBM	41506	41504	41505	41502	41501	41516	41511	41503
Horseshoe Lake *	HSL	82506	82504	82505	82502	82501	82516	82511	82503
Horsethief Basin *	HOR	16006	16004	16005	16002	16001	16016	16011	16003
Humboldt Mtn. *	HUM	----	----	----	1202	1201	1216	----	----
Jefferson Park	JNP	34906	34904	34905	34902	34901	34916	----	----
Jomax @ 70th *	JMX	60806	60804	60805	60802	60801	60816	60811	60803
Kleinman Park	KNP	30806	30804	30805	30802	30801	30816	----	----
Lake Pleasant *	LPL	15006	15004	15005	15002	15001	15016	----	15003
Lake Pleasant North	LPN	15306	15304	15305	15302	15301	15316	15311	15303
Magma FRS *	MAG	42306	42304	42305	42302	42301	42316	----	----
McMicken Dam *	MKN	71706	71704	71705	71702	71701	71716	71711	71703
Mobile *	MBL	84706	84704	84705	84702	84701	84716	----	84703
Mt. Union *	UNN	----	----	----	1002	1001	1016	----	----
Osborn @ 64th St. *	O64	56006	56004	56005	56002	56001	56016	----	----
Phoenix Dam 2B *	P2B	9906	9904	9905	9902	9901	9916	9911	9903
Rackensack Canyon *	RKC	76506	76504	76505	76502	76501	76516	----	76503
Saguaro Lake *	SGL	63506	63504	63505	63502	63501	63516	63511	63503
South Mountain Fan *	SMF	70506	70504	70505	70502	70501	70516	70511	70503
South Mountain Park *	SMP	68506	68504	68505	68502	68501	68516	68511	68503
Sycamore Creek Upper	SYC	82206	82204	82205	82202	82201	82216	----	82203
Thompson Peak *	TMP	----	----	----	1902	1901	1916	----	----
Tiger Wash Fan *	TIG	26806	26804	26805	26802	26801	26816	26811	26803
Usery Park WS *	USR	80706	80704	80705	80702	80701	80716	80711	80703
Wickenburg Airport *	WBG	52806	52804	52805	52802	52801	52816	52811	52803

* Station includes Climate Summary

** New station installation (Water Year stats not available due to limited data)

---- Sensor not installed at this station

Table 3: Temperature Summary Water Year 2024

Station Name	Sensor ID	Elev. (ft)	Max (°F)	Date	Min (°F)	Date	Avg Max (°F)	Avg Min (°F)	Mean (°F)	% Data Complete
Aguila VFD	28301	2,170	115	7/5/2024	24	1/12/2024	84.9	55.9	71.1	99.5
Bartlett Lake *	82701	1,825	116	7/5/2024	28	1/8/2024	86.0	60.1	72.7	100
Belmont Mountains *	46301	1,865	115	7/8/2024	31	1/12/2024	86.1	63.6	75.3	100
Buckeye FRS #1 *	44001	1,075	119	7/8/2024	28	1/12/2024	88.7	61.4	75.6	98.4
Camelback @ Loop 303	87501	1,065	115	7/5/2024	32	1/12/2024	86.8	63.3	75.3	95.1
Carefree Ranch *	21001	2,980	108	7/5/2024	29	1/8/2024	80.7	60.3	70.8	100
City of Glendale *	6501	1,140	115	7/5/2024	33	1/12/2024	88.4	65.2	76.8	99.7
Crossroads Park *	33001	1,265	117	7/8/2024	32	1/9/2024	89.0	63.4	76.5	100
Desert Mtn. School *	18701	1,810	113	7/5/2024	26	1/12/2024	84.3	58.0	71.9	100
Durango Complex *	3301	1,045	117	7/8/2024	33	1/9/2024	88.5	66.4	77.5	100
EMF@ Arizona Ave	35201	1,215	117	7/8/2024	28	1/12/2024	89.2	60.7	75.4	98.4
Estrella Fan *	84201	1,450	116	7/5/2024	32	1/9/2024	88.0	65.8	77.3	100
Fountain Hills *	76701	1,675	118	7/5/2024	28	1/8/2024	86.9	62.5	74.6	100
G&F Woolsey Peak *	23201	2,005	100	7/8/2024	47	1/8/2024	81.5	69.3	75.4	88.8
Gateway C. College *	3001	1,140	117	7/5/2024	34	1/9/2024	88.5	66.6	77.6	98.9
Gila Bend Landfill *	42501	735	119	7/8/2024	36	12/14/2023	90.4	62.0	78.2	100
Gila Bend Mountains *	41501	1,575	117	7/5/2024	38	1/9/2024	90.6	70.6	80.8	65
Horseshoe Lake *	82501	2,065	116	7/11/2024	30	1/12/2024	86.7	59.2	72.4	99.7
Horsethief Basin *	16001	6,710	100	7/5/2024	14	1/8/2024	69.0	52.9	60.7	91.8
Humboldt Mtn. *	1201	5,205	104	7/5/2024	22	1/8/2024	72.4	57.3	63.8	100
Jefferson Park	34901	1,395	114	7/5/2024	31	1/9/2024	87.3	64.2	75.8	100
Jomax @ 70th *	60801	2,010	113	7/5/2024	28	1/8/2024	84.8	61.7	72.9	100
Kleinman Park	30801	1,215	116	7/8/2024	32	1/9/2024	88.1	64.7	76.3	99.7
Lake Pleasant *	15001	1,825	116	7/5/2024	36	1/8/2024	86.4	65.7	75.7	100
Lake Pleasant North	15301	1,755	113	7/5/2024	34	1/8/2024	84.4	64.7	74.1	100
Magma FRS *	42301	1,625	111	7/8/2024	28	1/12/2024	86.3	60.5	73.4	99.7
McMicken Dam *	71701	1,355	116	7/8/2024	33	1/9/2024	88.3	62.6	76.1	100
Mobile *	84701	1,340	118	7/5/2024	28	1/10/2024	88.6	60.7	75.3	100
Mt. Union *	1001	7,975	87	7/8/2024	9	1/8/2024	59.8	45.0	51.5	100
Osborn @ 64th St. *	56001	1,250	117	7/5/2024	28	1/9/2024	87.5	61.8	74.5	99.2
Phoenix Dam 2B *	9901	1,415	115	7/5/2024	29	1/12/2024	86.6	62.3	74.8	100
Rackensack Canyon *	76501	4,445	103	7/5/2024	25	1/8/2024	74.2	60.1	66.8	99.7
Saguaro Lake *	63501	1,540	117	7/5/2024	31	1/12/2024	88.7	62.5	75.1	97.5
South Mountain Fan *	70501	1,285	119	7/5/2024	33	1/9/2024	89.4	67.0	78.8	99.2
South Mountain Park *	68501	2,355	113	7/8/2024	36	1/9/2024	82.7	66.2	74.5	100
Sycamore Creek Upper	82201	5,820	96	7/9/2024	19	1/8/2024	68.4	54.0	60.6	98.9
Thompson Peak *	1901	3,485	106	7/5/2024	34	1/12/2024	79.8	63.3	71.0	100
Tiger Wash Fan *	26801	1,615	114	7/8/2024	30	1/12/2024	85.1	59.4	72.3	99.2
Usery Park WS *	80701	2,065	114	7/8/2024	31	1/9/2024	85.8	64.9	75.4	100
Wickenburg Airport *	52801	2,380	114	7/8/2024	26	1/9/2024	83.4	56.5	70.7	99.5

* Station includes Climate Summary

Table 4: Daily Temperature Tallies Water Year 2024

Station Name	Sensor ID	Elev. (ft)	# Days Max T ≥ 100°F	# Days Max T ≥ 110°F	# Days Min T ≤ 32°F	% Data Complete
Aguila VFD	28301	2,170	101	12	6	99.5
Bartlett Lake *	82701	1,780	113	18	5	100
Belmont Mountains *	46301	1,860	116	22	2	100
Buckeye FRS #1 *	44001	1,075	132	64	6	98.4
Camelback @ Loop 303	87501	1,115	109	29	1	95.1
Carefree Ranch *	21001	2,960	63	0	5	100
City of Glendale *	6501	1,150	131	24	5	99.7
Crossroads Park *	33001	1,270	132	47	1	100
Desert Mtn. School *	18701	1,810	100	9	10	100
Durango Complex *	3301	1,050	125	38	0	100
EMF@ Arizona Ave	35201	1,215	132	47	5	98.4
Estrella Fan *	84201	1,455	125	34	1	100
Fountain Hills *	76701	1,665	117	33	3	100
G&F Woolsey Peak *	23201	1,985	2	0	0	88.8
Gateway C. College *	3001	1,145	127	38	0	98.9
Gila Bend Landfill *	42501	750	139	76	0	100
Gila Bend Mountains *	41501	1,560	114	43	0	65
Horseshoe Lake *	82501	2,085	117	31	3	99.7
Horsethief Basin *	16001	6,705	1	0	28	91.8
Humboldt Mtn. *	1201	5,205	3	0	11	100
Jefferson Park	34901	1,400	121	16	4	100
Jomax @ 70th *	60801	2,180	105	10	5	100
Kleinman Park	30801	1,220	124	30	1	99.7
Lake Pleasant *	15001	1,815	118	26	0	100
Lake Pleasant North	15301	1,750	93	5	0	100
Magma FRS *	42301	1,605	103	5	6	99.7
McMicken Dam *	71701	1,350	130	37	0	100
Mobile *	84701	1,340	131	51	6	100
Mt. Union *	1001	7,495	0	0	92	100
Osborn @ 64th St. *	56001	1,255	119	37	5	99.2
Phoenix Dam 2B *	9901	1,425	116	18	5	100
Rackensack Canyon *	76501	4,475	10	0	6	99.7
Saguaro Lake *	63501	1,550	122	41	4	97.5
South Mountain Fan *	70501	1,270	135	67	0	99.2
South Mountain Park *	68501	2,350	99	6	0	100
Sycamore Creek Upper	82201	5,825	0	0	25	98.9
Thompson Peak *	1901	3,995	27	0	0	100
Tiger Wash Fan *	26801	1,605	101	19	3	99.2
Usery Park WS *	80701	2,065	114	15	2	100
Wickenburg Airport *	52801	2,385	96	6	5	99.5

* Station includes Climate Summary

Table 5: Temperature Statistics for Water Years 2007-2024

Statistic	WY	Location	Value
Highest <u>Daily</u> Maximum Temperature	-2024	Gila Bend Landfill, S. Mountain Fan	119°F
	-2023	Durango Complex	121°F
	-2022	Buckeye FRS #1	116°F
	-2021	Crossroads Park, Phoenix Dam 2B	119°F
	-2020	Buckeye FRS #1	121°F
	-2019	South Mt. Fan, Buckeye FRS #1	117°F
	-2018	Gateway CC, South Mt. Fan	118°F
	-2017	Gila Bend Landfill	122°F
	-2016	Buckeye FRS #1, McMicken Dam	118°F
	-2015	Gila Bend Mts.	120°F
	-2014	Gila Bend Landfill	121°F
	-2013	Belmont Mountains	118°F
	-2012	DGO, GCC, GBL, SMF	120°F
	-2011	Durango Complex, Gateway CC	120°F
	-2010	Gila Bend Landfill	118°F
	-2009	Estrella Fan, Osborn @64 th St.	117°F
-2008	Buckeye FRS #1, McMicken Dam	116°F	
-2007	Tiger Wash Fan	118°F	
Lowest <u>Daily</u> Minimum Temperature	-2024	Mt. Union	9°F
	-2023	Mt. Union	15°F
	-2022	Mt. Union	11°F
	-2021	Mt. Union	13°F
	-2020	Mt. Union	6°F
	-2019	Mt. Union	6°F
	-2018	Mt. Union	13°F
	-2017	Mt. Union	15°F
	-2016	Mt. Union	9°F
	-2015	Mt. Union	13°F
	-2014	Mt. Union	9°F
	-2013	Mt. Union	6°F
	-2012	Mt. Union	14°F
	-2011	Mt. Union	0°F
	-2010	Mt. Union	15°F
	-2009	Mt. Union	10°F
-2008	Mt. Union	9°F	
-2007	Mt. Union	4°F	
Highest <u>Number</u> of Days with Temperature \geq 100°F	-2024	Gila Bend Landfill	139
	-2023	Crossroads Park	117
	-2022	Buckeye FRS #1	113
	-2021	Kleinman Park	127
	-2020	Gila Bend Landfill	140
	-2019	Gateway Community College	109
	-2018	Gila Bend Landfill	135
	-2017	Crossroads Park	123
	-2016	Osborn @ 64 th St	106
	-2015	Gila Bend Mtns	116
	-2014	Gila Bend Landfill	123
	-2013	Gila Bend Landfill	130
	-2012	Gila Bend Landfill	140
	-2011	Durango Complex	130
	-2010	Osborn @64 th St., Durango Complex	115
	-2009	Gila Bend Landfill	127
-2008	Gila Bend Landfill	115	
-2007	Gateway CC	133	
Highest <u>Number</u> of Days with Temperature \geq 110°F	-2024	Gila Bend Landfill	76
	-2023	Crossroads Park	46
	-2022	Buckeye FRS #1	26
	-2021	Kleinman Park	35
	-2020	Buckeye FRS #1	67
	-2019	South Mountain Fan	40
	-2018	Gila Bend Landfill	28
	-2017	Gila Bend Landfill	58
	-2016	Buckeye FRS #1	38
	-2015	Gila Bend Mtns	37
	-2014	Gila Bend Landfill	50
	-2013	Gila Bend Landfill	68
	-2012	South Mtn Fan	43
	-2011	Durango Complex	58
	-2010	Durango Complex	44
	-2009	Osborn @64 th St.	37
-2008	Tiger Wash Fan, Gila Bend Landfill	29	
-2007	Estrella Fan	49	

Statistic	WY	Location	Value
Highest Number of Days with Temperature ≤ 32°F	-2024	Mt. Union	92
	-2023	Mt. Union	64
	-2022	Mt. Union	50
	-2021	Mt. Union	57
	-2020	Mt. Union	97
	-2019	Mt. Union	102
	-2018	Mt. Union	57
	-2017	Mt. Union	53
	-2016	Mt. Union	67
	-2015	Mt. Union	44
	-2014	Mt. Union	55
	-2013	Mt. Union	71
	-2012	Mt. Union	82
	-2011	Mt. Union	83
	-2010	Mt. Union	99
Highest Annual Average Maximum Temperature	-2023	Gila Bend Landfill	87.4°F
	-2022	Kleinman Park	89.5°F
	-2021	Crossroads Park	89.8°F
	-2020	South Mountain Fan	90.1°F
	-2019	Gateway Community College	86.8°F
	-2018	Gila Bend Landfill	91.0°F
	-2017	Gila Bend Landfill	90.1°F
	-2016	McMicken Dam	88.2°F
	-2015	McMicken Dam	89.6°F
	-2014	Gila Bend Landfill	91.0°F
	-2013	Gila Bend Landfill	91.4°F
	-2012	Gila Bend Landfill	90.2°F
	-2011	Durango Complex	89.4°F
	-2010	Buckeye FRS #1	89.2°F
	-2009	Gila Bend Landfill	89.4°F
-2008	Gila Bend Landfill	87.9°F	
-2007	Estella Fan	91.5°F	
Lowest Annual Average Minimum Temperature	-2023	Mt. Union	46.3°F
	-2022	Mt. Union	46.4°F
	-2021	Mt. Union	48.7°F
	-2020	Mt. Union	44.0°F
	-2019	Mt. Union	41.9°F
	-2018	Mt. Union	49.5°F
	-2017	Mt. Union	49.5°F
	-2016	Mt. Union	47.1°F
	-2015	Mt. Union	46.5°F
	-2014	Mt. Union	44.6°F
	-2013	Mt. Union	44.0°F
	-2012	Mt. Union	44.9°F
	-2011	Mt. Union	44.1°F
	-2010	Mt. Union	43.4°F
	-2009	Mt. Union	44.9°F
-2008	Mt. Union	41.3°F	
-2007	Mt. Union	44.7°F	
Average Annual Maximum Temperature for All Stations	-2024		84.3°F
	-2023		81.7°F
	-2022		84.7°F
	-2021		84.5°F
	-2020		84.0°F
	-2019		80.9°F
	-2018		85.6°F
	-2017		83.1°F
	-2016		83.3°F
	-2015		84.8°F
	-2014		84.5°F
	-2013		84.8°F
	-2012		85.0°F
	-2011		83.8°F
	-2010		82.5°F
-2009		84.7°F	
-2008		82.6°F	
-2007		84.5°F	
Average Annual Minimum Temperature for All Stations	-2024		61.8°F
	-2023		59.5°F
	-2022		61.7°F
	-2021		61.1°F
	-2020		60.9°F
	-2019		59.1°F
	-2018		62.8°F
-2017		63.4°F	
-2016		60.4°F	
-2015		61.6°F	

Statistic	WY	Location	Value
	-2014		60.1°F
	-2013		60.6°F
	-2012		60.4°F
	-2011		59.5°F
	-2010		58.9°F
	-2009		60.6°F
	-2008		58.5°F
Average <u>Annual</u> Mean Temperature for All Stations	-2007		59.6°F
	-2024		73.1°F
	-2023		70.7°F
	-2022		73.3°F
	-2021		72.9°F
	-2020		72.5°F
	-2019		70.1°F
	-2018		74.2°F
	-2017		73.3°F
	-2016		71.9°F
	-2015		72.8°F
	-2014		72.2°F
	-2013		72.8°F
	-2012		72.7°F
	-2011		71.5°F
	-2010		70.5°F
	-2009		72.8°F
-2008		70.5°F	
-2007		71.6°F	

Brief Weather Summary of Water Year 2024

Water Year 2024 began at the conclusion of an abnormally dry monsoon across the ALERT network (2nd driest since 1981). The summer heat held its ground well into October 2023, which was statistically much warmer and drier than average. El Niño conditions prevailed through winter 2023, which are generally associated with statistically wetter/cooler winters in Arizona. This panned out for most of Southern AZ, and much of Maricopa County experienced at or above average precipitation from Dec-Feb. This wetter pattern persisted through the spring as well, with a majority of the county seeing above normal precipitation from Mar-May. Scientific studies have shown an abnormally wet and cool winter/spring has been linked to a resultant delayed and drier monsoon circulation. Monsoon 2024 did end with another historic lack of rainfall at observation locations in Arizona, especially within Maricopa County. For example, Phoenix Sky Harbor received 0.74" of precipitation between June 15th and September 30th. This tied for the 7th driest monsoon season dating back to 1896. Monsoon 2024 for the ALERT network was the 3rd driest monsoon since 1981, only surpassing Monsoon 2023 by a [small margin](#). Another stand-out during this time was the heat, which quickly cemented itself across the region in early May and continued through early September. More detailed weather and rainfall information on this past monsoon can be found [here](#).

Table 6 below shows temperature data averaged across the entire ALERT weather station network. Values were calculated using WY2024 data. Anomalies and ranks were calculated using data between 2000 and 2024. Overall, the mean temperature across all stations for WY2024 was 72.9°F, which was 1.2°F warmer than the long-term network average of 71.7°F and ranks as the 4th warmest WY on record (since 2000). Looking at the anomaly data (not shown), 33 of the weather stations had a warm bias between +0.3°F and +3.6°F above their respective long-term averages. The Gila Bend Landfill station observed their warmest mean WY temperature on record (78.2°F). There were 6 stations cooler than their long-term average (-0.2°F to -1.8°F anomaly) that were located either in the foothills of northern Maricopa County or mountains of southern Yavapai County. Note the Gila Bend Mountains station was not included in 2024 mean and anomaly temperature evaluation due to limited observations (only 65 percent of possible WY2024 observation days recorded).

Table 6: ALERT Network Temperature Statistics for Water Year 2024

Statistic	Avg Temp (°F)	Avg Max Temp (°F)	Avg Min Temp (°F)
Value	72.9	84.1	61.6
Anomaly	+1.2	+0.4	+1.7
Rank	4 th Warmest (2000-2024)	11 th Warmest (2000-2024)	4 th Warmest (2000-2024)

The average maximum temperature across all stations for WY2024 was 84.1°F, which was 0.4°F warmer than the long-term average of 83.7°F. This ranked as the 11th warmest WY on record since WY2000. There were 27 weather stations warmer than their respective long-term mean maximum temperatures (+0.2°F to +2.6°F anomaly) with 10 below (-0.1°F to -3.6°F anomaly). There was one station that set new warm WY average maximum temperatures (Mobile). No new daily maximum temperatures were set during WY2024, but the McMicken Dam weather station tied its historical

daily maximum temperature (116°F). The G&F Woolsey Peak weather station observed daily maximum temperature for WY2024 tied for coolest on record (100°F).

The average minimum temperature across all stations was 61.6°F, which was 1.7°F warmer than the long-term average of 59.9°F. Water Year 2024 ranked 4th warmest on record since WY2000. Most stations (33) were warmer (+0.1°F to +3.7°F anomaly); however, 4 relatively higher elevation stations located in northern Maricopa County (Aguila VFD, Desert Mountain School, Rackensack Canyon, and Sycamore Creek Upper) had an average minimum temperature below their respective long-term means (-0.1°F to -1.5°F anomaly). There were 3 stations that set new warm WY average minimum temperatures (Buckeye FRS #1, Camelback @ Loop 303, and Jefferson Park). No new daily minimum temperature records were set during WY2024; however, the Sycamore Creek Upper weather station tied its historical coolest daily minimum temperature on record (19°F), while the observed daily minimum temperature for WY2024 at G&F Woolsey Peak and Thompson Peak tied for warmest on record (47°F and 34°F, respectively).

Brief Review of Excessive Summer Heat for Water Year 2024

This Water Year undoubtedly included one of the hottest summers on record. The definition of 'hottest' is subjective, but data can give insight into the extremity of high values, length of heatwaves, or overall presence of heat. Until recently, summer 2020 could be defended as the hottest summer on record at Phoenix Sky Harbor and across the ALERT network. According to the National Weather Service Phoenix WFO, the Sky Harbor Airport weather station saw 19 daily high temperature records tied/broken. A more detailed summary on summer heat in 2020 within the ALERT network can be found [here](#). The summer heat of 2023 overall was also record-breaking; however, it varied greatly month-to-month. For instance, the start of the summer season was unusually cool at Phoenix Sky Harbor with a June mean temperature departure of 1.9°F below normal. Record heat quickly ramped up into July 2023 as Sky Harbor recorded 31 consecutive days of high temperatures over 110°F, which at the time broke the previous streak of 18 days set in 1974. Summer 2024 displayed a steady, long-lasting heat, including a new record 113 day streak of high temperatures over 100°F at Phoenix Sky Harbor. Very hot temperatures also continued into the early fall season as highlighted by an all-time new September record temperature of 117°F being set on the 28th. The data and following discussion will present a deep dive into the summer heat for each of these respective years and provide insight on the 'hottest' summer for the ALERT network. Because of the persistent heat and the meteorological significance of September 2024, the review includes heat data through an extended summertime period (June-September).

There was a total of 40 ALERT weather stations chosen to take part in this summary. These stations represent various regions across Maricopa County, including the greater Phoenix Metropolitan area and lower rural deserts, along with some portions of Pinal and Yavapai counties. Elevations for these stations range from 735 ft. to 7,975 ft. Each station provides at least 8 years of weather readings, and 34 stations have 15 or more years of observational data. Table 7, on the next page, compares temperature data for the defined summer period (JJAS). The left side of the table includes weather station information including elevation, years of station inventory since 2000, and the temperature sensor ID number. The right side of the table includes the 2024 mean temperature, the normal mean temperature (2000-2024), the temperature difference from the long-term mean (anomaly) over the 4-month span, standard deviations, and standardized anomalies (SA). Values displayed in red for the 2024 Mean Temp. column indicate either a matched (light red) or record (bold red) hottest average summer temperature for the respective station.

Out of the 40 stations in the ALERT network, 39 (98%) experienced above average mean temperatures and 26 (65%) experienced the record hottest mean temperature throughout the summer. The spatial distribution of this record heat spanned across the rural deserts, urban centers within the lower Phoenix Valley, and reached far north to the stations in the higher elevations. The only stations that did not surpass this threshold were G&F Woolsey Peak and Magma FRS.

TABLE 7: Mean Summer (JJAS) Temperature 2024 Compared to Normal (2000-2024)

Weather Station	Sensor ID	Years	Elev. (ft)	2024 Mean Temp. (°F)	Normal Mean Temp. (°F)	Anomaly (°F)	Std. Dev. (°F)	Std. Anomaly
Aguila VFD	28301	10	2,170	90	88.3	1.7	2.0	0.8
Bartlett Lake	82701	24	1,825	92	89.1	2.9	1.7	1.7
Belmont Mountains	46301	18	1,865	94	92.1	1.9	1.0	1.9
Buckeye FRS #1	44001	25	1,075	96	91.9	4.1	1.4	2.9
Camelback @ Loop 303	87501	10	1,065	95	92.1	2.9	1.4	2.1
Carefree Ranch	21001	25	2,980	88	86.4	1.6	1.4	1.1
City of Glendale	6501	25	1,140	95	92.2	2.8	1.7	1.6
Crossroads Park	33001	25	1,265	96	91.1	4.9	1.8	2.7
Desert Mtn. School	18701	18	1,810	91	90.0	1.0	0.7	1.3
Durango Complex	3301	25	1,045	97	93.6	3.4	1.7	2.1
EMF @ Arizona Ave.	35201	13	1,215	94	91.2	2.8	1.1	2.5
Estrella Fan	84201	25	1,450	96	93.2	2.8	1.6	1.8
Fountain Hills	76701	25	1,675	94	90.8	3.2	1.6	2.0
G&F Woolsey Peak	23201	21	2,005	85	90.5	-5.5	2.1	-2.6
Gateway C. College	3001	20	1,140	96	93.5	2.5	1.5	1.6
Gila Bend Landfill	42501	23	735	97	92.6	4.4	1.6	2.7
Gila Bend Mountains	41501	25	1,575	96	91.3	4.7	2.0	2.3
Horseshoe Lake	82501	24	2,065	92	88.0	4.0	1.7	2.4
Horsethief Basin	16001	25	6,710	77	72.3	4.7	2.4	2.0
Humboldt Mtn.	1201	25	5,205	81	79.0	2.0	2.0	1.0
Jefferson Park	34901	8	1,395	95	92.6	2.4	1.3	1.8
Jomax @ 70th	60801	25	2,010	91	89.8	1.2	1.7	0.7
Kleinman Park	30801	8	1,215	95	93.3	1.8	1.1	1.6
Lake Pleasant	15001	24	1,825	94	91.0	3.0	2.0	1.5
Lake Pleasant North	15301	24	1,755	92	89.8	2.3	2.2	1.0
Magma FRS	42301	25	1,625	89	89.5	-0.5	1.4	-0.3
McMicken Dam	71701	21	1,355	96	92.0	4.0	1.6	2.6
Mobile	84701	17	1,340	95	91.3	3.7	1.4	2.6
Mt. Union	1001	25	7,975	68	67.1	0.9	1.6	0.5
Osborn @ 64th St.	56001	25	1,250	95	91.2	3.8	1.8	2.1
Phoenix Dam 2B	9901	15	1,415	94	91.9	2.1	1.1	1.9
Rackensack Canyon	76501	17	4,445	85	83.9	1.1	2.7	0.4
Saguaro Lake	63501	25	1,540	95	89.5	5.5	2.2	2.5
South Mountain Fan	70501	25	1,285	99	93.7	5.3	1.9	2.8
South Mountain Park	68501	25	2,355	93	89.9	3.1	1.4	2.3
Sycamore Creek Upper	82201	12	5,820	78	76.9	1.1	2.0	0.5
Thompson Peak	1901	25	3,485	87	84.9	2.1	2.0	1.0
Tiger Wash Fan	26801	25	1,615	92	90.5	1.5	1.5	1.0
Usery Mtn. Park	80701	25	2,065	94	90.7	3.3	1.2	2.7
Wickenburg Airport	52801	25	2,380	90	87.0	3.0	1.7	1.8

Going a step further, temperature anomalies (departures from the mean) were determined for each station. Next, standard deviations were calculated to observe the variability of the temperature datasets at each weather station over the 2000-2024 period. The greater the standard deviation, the less historically meaningful the 2024 anomalies were. Finally, standardized anomalies were calculated using the anomaly and standard deviation data at each station. Standardized anomalies are used with weather data to find statistical outliers (uncommon events) in datasets after removing bias. Absolute values between zero and one meant the anomaly fell within one standard deviation of normal and, therefore, not considered to be an unusual event. Values greater than one were outliers and, in this case, the greater the value, the more uncommon the event was.

Looking at temperature anomalies, 28 stations experienced a 2.0°F or greater warm anomaly while 11 met or exceeded 3.5°F during the period. The average anomaly for all stations (not shown) was 2.6°F. Of the 40 station's standardized anomalies (SAs), 29 (73%) were greater than 1.0 and 16 (40%) met or exceeded 2.0. The average temperature SA across all the weather stations was 1.6 (not shown), which exceeded the average temperature SA of 1.2 in 2020. To put some of those numbers into perspective, values that fall between 0 and ±1 indicate the anomaly fell within one standard deviation of normal and is considered a common event as it has a 68% probability of occurrence. Values of ±2 have a 27% probability of occurring and ±3 comes with a probability of just 4%.

Table 8, below and continued on the next page, compares additional temperature datasets at each of the ALERT weather stations. The left side of the table depicts weather station information including elevation. The right side of the table includes monthly mean temperatures for June, July, August, and September. The values highlighted in red represent matched records for the month. The values in bold red represent new records at the station for the month. The final three columns show the total number of days where high temperatures exceeded 100°F and 110°F and minimum temperatures exceeded 90°F.

TABLE 8: Additional 2024 Temperature Data								
Weather Station	Elev. (ft)	June Mean Temp. (°F)	July Mean Temp. (°F)	August Mean Temp. (°F)	September Mean Temp. (°F)	Temp. ≥100°F (days)	Temp. ≥110°F (days)	Min Temp. ≥90°F (days)
Aguila VFD	2,170	89	95	91	85	95	12	1
Bartlett Lake	1,825	91	95	92	88	107	18	1
Belmont Mountains	1,865	93	97	94	90	106	22	3
Buckeye FRS #1	1,075	95	100	97	92	116	65	10
Camelback @ Loop 303	1,065	92	100	97	92	101	29	18
Carefree Ranch	2,980	87	91	88	86	63	0	0
City of Glendale	1,140	95	98	95	91	112	25	21
Crossroads Park	1,265	95	99	96	93	115	48	10
Desert Mtn. School	1,810	90	95	92	87	98	9	0
Durango Complex	1,045	96	100	97	93	114	38	40
EMF @ Arizona Ave.	1,215	94	98	95	91	115	47	1
Estrella Fan	1,450	96	99	96	93	112	35	20

TABLE 8: Additional 2024 Temperature Data

Weather Station	Elev. (ft)	June Mean Temp. (°F)	July Mean Temp. (°F)	August Mean Temp. (°F)	September Mean Temp. (°F)	Temp. ≥100°F (days)	Temp. ≥110°F (days)	Min Temp. ≥90°F (days)
Fountain Hills	1,675	95	99	92	88	106	33	10
G&F Woolsey Peak	2,005	85	88	85	83	2	0	0
Gateway C. College	1,140	96	100	97	93	115	38	36
Gila Bend Landfill	735	96	101	98	92	117	77	14
Gila Bend Mountains	1,575	97	98	96	92	109	44	9
Horseshoe Lake	2,065	91	97	92	88	111	31	1
Horsethief Basin	6,710	77	81	77	74	1	0	0
Humboldt Mtn.	5,205	81	84	81	79	3	0	0
Jefferson Park	1,395	94	98	95	91	112	16	17
Jomax @ 70th	2,010	90	95	92	88	102	10	2
Kleinman Park	1,215	94	98	95	91	114	30	6
Lake Pleasant	1,825	94	98	95	91	110	26	5
Lake Pleasant North	1,755	91	95	93	89	92	5	4
Magma FRS	1,625	89	93	89	87	98	5	1
McMicken Dam	1,355	95	100	97	92	115	37	20
Mobile	1,340	95	100	95	91	115	51	3
Mt. Union	7,975	68	72	67	65	0	0	0
Osborn @ 64th St.	1,250	94	99	95	91	110	39	9
Phoenix Dam 2B	1,415	93	98	94	90	110	18	5
Rackensack Canyon	4,445	84	87	85	83	10	0	0
Saguaro Lake	1,540	97	98	95	90	108	44	4
South Mountain Fan	1,285	98	102	99	96	117	67	49
South Mountain Park	2,355	92	95	93	90	98	6	3
Sycamore Creek Upper	5,820	77	81	78	75	0	0	0
Thompson Peak	3,485	86	89	86	85	27	0	0
Tiger Wash Fan	1,615	91	97	93	89	99	19	1
Usery Mtn. Park	2,065	94	97	94	92	108	15	12
Wickenburg Airport	2,380	89	94	91	86	96	6	2

To gain a better understanding of summer 2024, monthly mean temperature datasets were analyzed. Of all weather stations, 12 (30%) new records were matched or set during June. Additionally, 36 (90%) stations recorded above normal mean values. Moving on to July, 8 (20%) stations matched or set their warmest July on record, and all 40 weather stations experienced above average values. August 2024 took a step back from breaking records and only one station matched a previous mean temperature record. However, 37 (93%) stations experienced above average temperatures. September saw 22 (55%) stations match or break record mean temperatures, with 39 (98%) experiencing above average temperatures.

Table 9, next page, displays a side-by-side comparison between the years of interest. On the left side of the table is the ALERT Weather Station name, elevation, and long-term normal mean summer temperature (JJAS, 2000-2024). The next columns include the mean temperature and

anomaly for 2020, followed by those same two variables for 2023 and 2024. Values displayed in red represent a tied summer heat record within that year, and values displayed in bold red represent a broken summer heat record. The blue highlights represent the same characteristics (lighter for a tied record, darker for a broken record), but only considering the values for the years prior, not following. For example, at Userly Mtn. Park, the record mean temperature was broken in 2020 with a value of 93°F. This value is highlighted in dark blue because it was the record at the time but is not shown in red because the record was broken in 2024 with a value of 94°F.

TABLE 9: Mean Summer (JJAS) Temperature Comparison 2020, 2023, and 2024

Weather Station	Elev. (ft)	Normal Mean Temp. (°F)	2020 Mean Temp. (°F)	2020 Anomaly (°F)	2023 Mean Temp. (°F)	2023 Anomaly (°F)	2024 Mean Temp. (°F)	2024 Anomaly (°F)
Aguila VFD	2,170	88.3	92	3.7	90	1.7	90	1.7
Bartlett Lake	1,825	89.1	90	0.9	90	0.9	92	2.9
Belmont Mountains	1,865	92.1	93	0.9	93	0.9	94	1.9
Buckeye FRS #1	1,075	91.9	95	3.1	92	0.1	96	4.1
Camelback @ Loop 303	1,065	92.1	94	1.9	93	0.9	95	2.9
Carefree Ranch	2,980	86.4	87	0.6	87	0.6	88	1.6
City of Glendale	1,140	92.2	95	2.8	95	2.8	95	2.8
Crossroads Park	1,265	91.1	93	1.9	94	2.9	96	4.9
Desert Mtn. School	1,810	90.0	90	0.0	89	-1.0	91	1.0
Durango Complex	1,045	93.6	96	2.4	94	0.4	97	3.4
EMF @ Arizona Ave.	1,215	91.2	92	0.8	92	0.8	94	2.8
Estrella Fan	1,450	93.2	98	4.8	94	0.8	96	2.8
Fountain Hills	1,675	90.8	93	2.2	92	1.2	94	3.2
G&F Woolsey Peak	2,005	90.5	93	2.5	90	-0.5	85	-5.5
Gateway C. College	1,140	93.5	96	2.5	94	0.5	96	2.5
Gila Bend Landfill	735	92.6	94	1.4	92	-0.6	97	4.4
Gila Bend Mountains	1,575	91.3	91	-0.3	93	1.7	96	4.7
Horseshoe Lake	2,065	88.0	89	1.0	91	3.0	92	4.0
Horsethief Basin	6,710	72.3	76	3.7	72	-0.3	77	4.7
Humboldt Mtn.	5,205	79.0	80	1.0	78	-1.0	81	2.0
Jefferson Park	1,395	92.6	93	0.4	92	-0.6	95	2.4
Jomax @ 70th	2,010	89.8	91	1.2	90	0.2	91	1.2
Kleinman Park	1,215	93.3	94	0.8	93	-0.3	95	1.8
Lake Pleasant	1,825	91.0	95	4.0	92	1.0	94	3.0
Lake Pleasant North	1755	89.8	92	2.3	90	0.3	92	2.3
Magma FRS	1,625	89.5	91	1.5	90	0.5	89	-0.5
McMicken Dam	1,355	92.0	93	1.0	93	1.0	96	4.0
Mobile	1,340	91.3	91	-0.3	91	-0.3	95	3.7
Mt. Union	7,975	67.1	67	-0.1	67	-0.1	68	0.9
Osborn @ 64th St.	1,250	91.2	95	3.8	91	-0.2	95	3.8
Phoenix Dam 2B	1,415	91.9	93	1.1	92	0.1	94	2.1
Rackensack Canyon	4,445	83.9	91	7.1	83	-0.9	85	1.1
Saguaro Lake	1,540	89.5	93	3.5	92	2.5	95	5.5

TABLE 9: Mean Summer (JJAS) Temperature Comparison 2020, 2023, and 2024

Weather Station	Elev. (ft)	Normal Mean Temp. (°F)	2020 Mean Temp. (°F)	2020 Anomaly (°F)	2023 Mean Temp. (°F)	2023 Anomaly (°F)	2024 Mean Temp. (°F)	2024 Anomaly (°F)
South Mountain Fan	1,285	93.7	98	4.3	94	0.3	99	5.3
South Mountain Park	2,355	89.9	91	1.1	90	0.1	93	3.1
Sycamore Creek Upper	5,820	76.9	79	2.1	79	2.1	78	1.1
Thompson Peak	3,485	84.9	87	2.1	89	4.1	87	2.1
Tiger Wash Fan	1,615	90.5	91	0.5	88	-2.5	92	1.5
Usery Mtn. Park	2,065	90.7	93	2.3	91	0.3	94	3.3
Wickenburg Airport	2,380	87.0	92	5.0	87	0.0	90	3.0

Considering the “at the moment” ties and records (blue values), summer 2020 and 2024 stand out the most. 2020 had 24 total records set (11 tied, 13 broken) and 2024 had 27 total records (9 tied, 18 broken). Most notably, of the 24 records that were set in 2020, only 5 total stations maintained their records, while the other 19 were tied or broken. Of those values, 17 were tied/broken in 2024. Looking at anomalies, as mentioned before, the average temperature anomaly across all stations in 2024 was 2.6°F. To compare, the average anomaly (not shown) for 2023 was 0.6°F in 2023 and 2.0°F in 2020. To summarize, 2020 and 2024 were both anomalously hot years for the ALERT network, with 2024 surpassing the 2020 mean anomaly by 0.6°F. Additionally, the 2024 summer period saw more heat records broken or tied than in 2020 across many lower desert elevation sites. The temperature data presented help show that historic summer heat impacted the ALERT network in 2020, 2023, and 2024; however, the recent 2024 summer was overall the hottest on record.

Weather & Climate Data Summaries

Table 1: Weather & Climate Summary Report (Water Year 2024)

Weather Station	Maximum Temp		Minimum Temp		Mean Max Temp	Mean Min Temp	Mean Temp	Days ≥ 90°F	Days ≥ 100°F	Day ≥ 110°F	Days ≤ 32°F	Mean Max Dewpoint	Mean Min Dewpoint	Mean Dewpoint	Days Mean Dewpoint ≥ 55°F	Peak Wind	Mean Wind	
	°F	Date	°F	Date	°F	°F	°F	Total	Total	Total	Total	°F	°F	°F	Total	MPH	Date	MPH
Aguila VFD	115	7/5	24	3/24	55.9	55.9	71.1	155	101	12	6	42.7	31.3	36.9	41	43	8/6	3.6
Bartlett Lake	116	7/5	28	3/25	60.0	60.0	72.7	161	113	18	5	47.1	34.8	40.7	56	27	8/8	3.2
Belmont Mountains	115	7/8	31	3/26	63.6	63.6	75.3	162	116	22	2	44.7	33.2	39.1	52	58	3/24	3.6
Buckeye FRS #1	119	7/8	28	3/28	61.3	61.3	75.6	179	132	64	6	46.4	27.6	38.0	50	53	1/11	4.1
Camelback Rd. @ Loop 303	115	7/5	32	3/26	63.0	63.0	75.3	162	109	29	1	48.0	30.8	40.3	47	42	6/25	2.8
Carefree Ranch	108	7/5	29	3/20	60.3	60.3	70.8	135	63	0	5	43.5	33.5	38.5	53	40	7/21	4.3
City of Glendale	115	7/5	33	3/28	65.1	65.1	76.8	177	131	24	5	48.5	35.5	42.3	56	31	7/21	2.4
Crossroads Park	117	7/8	32	3/29	63.3	63.3	76.5	176	132	47	1	52.7	37.4	44.3	74	36	10/7	2.2
Desert Mountain School	113	7/5	26	3/24	58.0	58.0	71.9	153	100	9	10	44.2	34.5	39.5	56	32	8/31	2.8
Durango Complex	117	7/8	33	3/28	66.4	66.4	77.5	177	125	38	0	48.4	33.4	41.5	63	28	9/6	2.4
EMF @ Arizona Ave.	117	7/8	28	3/29	60.8	60.8	75.4	182	132	47	5	47.6	32.8	41.0	56	51	1/11	3.5
Estrella Fan	116	7/5	32	3/27	65.6	65.6	77.3	177	125	34	1	45.8	36.1	41.1	55	67	10/1	2.0
Fountain Hills Fire Dept.	118	7/5	28	3/26	62.3	62.3	74.6	174	117	33	3	47.1	33.8	40.6	58	N/A	N/A	N/A
G & F Woolsey Peak	100	7/8	47	3/21	69.4	69.4	75.4	116	2	0	0	43.1	28.8	36.3	15	N/A	N/A	N/A
GateWay Community College	117	7/5	34	3/28	66.6	66.6	77.6	173	127	38	0	46.2	35.8	41.5	63	35	1/11	2.9
Gila Bend Landfill	119	7/8	36	4/1	63.6	63.6	78.2	184	139	76	0	49.3	35.3	42.4	64	54	7/21	4.7
Gila Bend Mountains	117	7/5	38	3/31	70.7	70.7	80.8	132	114	43	0	49.2	36.1	42.9	63	46	7/21	3.8
Horseshoe Lake	116	7/11	30	3/26	58.9	58.9	72.4	163	117	31	3	48.6	36.3	41.9	57	37	7/26	2.8
Horsethief Basin	100	7/5	14	3/9	53.5	53.5	60.7	49	1	0	28	39.3	28.0	33.6	2	49	3/30	5.2
Humboldt Mountain	104	7/5	22	3/12	57.2	57.2	63.8	82	3	0	11	39.0	28.9	34.2	10	N/A	N/A	N/A
Jefferson Park	114	7/5	31	3/27	64.2	64.2	75.8	174	121	16	4	48.5	36.7	42.9	78	36	3/25	1.5
Jomax Rd. @ 70th St.	113	7/5	28	3/24	61.5	61.5	72.9	153	105	10	5	45.8	36.4	41.3	63	26	8/18	2.3
Kleinman Park	116	7/8	32	3/28	64.7	64.7	76.3	176	124	30	1	47.4	35.8	41.9	66	31	6/24	2.0
Lake Pleasant	116	7/5	36	3/26	65.7	65.7	75.7	164	118	26	0	55.5	33.0	42.6	60	47	3/30	5.5
Lake Pleasant North	113	7/5	34	3/24	64.6	64.6	74.1	150	93	5	0	54.5	31.6	42.5	64	46	7/21	4.2
Magma FRS	111	7/8	28	3/26	60.4	60.4	73.4	180	103	5	6	48.1	32.1	40.7	60	39	8/22	3.7
McMicken Dam	116	7/8	33	3/28	62.6	62.6	76.1	178	130	37	0	46.9	31.8	39.8	52	47	7/21	4.9
Mobile	118	7/5	28	3/28	60.6	60.6	75.3	181	131	51	6	47.7	36.2	42.2	66	66	7/14	4.2
Mt. Union	87	7/8	9	2/28	45.0	45.0	51.5	0	0	0	92	32.3	21.6	27.2	0	N/A	N/A	N/A
Osborn Rd. @ 64th St.	117	7/5	28	3/27	61.6	61.6	74.5	170	119	37	5	45.6	34.5	40.1	67	35	8/22	1.7
Phoenix Dam 2B	115	7/5	29	3/26	62.1	62.1	74.8	162	116	18	5	49.0	37.5	43.4	67	30	7/21	3.1
Rackensack Canyon	103	7/5	25	3/14	59.9	59.9	66.8	100	10	0	6	40.3	29.3	35.1	35	39	2/8	6.4
Saguaro Lake	117	7/5	31	3/28	62.4	62.4	75.1	173	122	41	4	55.6	35.8	44.5	72	33	2/8	2.4
South Mountain Fan	119	7/5	33	3/29	67.0	67.0	78.8	181	135	67	0	48.6	37.3	43.2	73	33	7/21	2.7
South Mountain Park	113	7/8	36	3/22	66.2	66.2	74.5	151	99	6	0	42.8	32.7	38.0	52	44	7/21	2.0
Sycamore Creek - Upper	96	7/9	19	3/8	53.9	53.9	60.6	39	0	0	25	36.2	21.1	29.5	2	45	4/26	5.3
Thompson Peak	106	7/5	34	3/19	63.3	63.3	71.0	129	27	0	0	44.9	33.8	39.6	58	N/A	N/A	N/A
Tiger Wash Fan	114	7/8	30	3/24	59.1	59.1	72.3	150	101	19	3	43.0	31.2	37.2	40	52	6/13	4.0
Usery Park WS	114	7/8	31	3/25	64.9	64.9	75.4	166	114	15	2	46.6	35.0	41.0	59	55	10/18	2.3
Wickenburg Airport	114	7/8	26	3/23	56.5	56.5	70.7	146	96	6	5	40.8	29.3	35.1	42	56	1/11	4.0

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_2024_v2.xlsx

Table 2: October Weather & Climate Summary Report (Water Year 2024)

Weather Station	Maximum Temp		Minimum Temp		Mean Max Temp	Mean Min Temp	Mean Temp	Days ≥ 90°F	Days ≥ 100°F	Day ≥ 110°F	Days ≤ 32°F	Mean Max Dewpoint	Mean Min Dewpoint	Mean Dewpoint	Days Mean Dewpoint ≥ 55°F	Peak Wind	Mean Wind	
	°F	Date	°F	Date	°F	°F	°F	Total	Total	Total	Total	°F	°F	°F	Total	MPH	Date	MPH
Aguila VFD	103	10/19	41	10/31	90.7	58.5	74.9	16	7	0	0	42.1	29.6	35.2	0	19	10/7	2.9
Bartlett Lake	102	10/20	53	10/29	90.5	64.5	76.7	16	4	0	0	46.5	33.8	39.9	0	19	10/9	3.5
Belmont Mountains	103	10/20	55	10/31	91.3	68.7	80.3	17	8	0	0	43.5	32.0	37.6	0	38	10/7	2.5
Buckeye FRS #1	103	10/20	48	10/31	91.6	61.9	77.3	17	8	0	0	45.3	31.0	38.3	0	41	10/8	3.5
Camelback Rd. @ Loop 303	101	10/20	52	10/31	90.2	64.2	77.2	16	4	0	0	46.2	34.9	40.9	0	17	10/28	1.5
Carefree Ranch	98	10/20	54	10/29	85.6	66.0	75.7	12	0	0	0	43.5	32.1	37.9	0	20	10/31	4.4
City of Glendale	105	10/19	53	10/31	93.0	67.8	80.4	18	12	0	0	47.6	37.3	42.7	0	15	10/8	1.2
Crossroads Park	105	10/16	51	10/31	93.9	65.5	79.9	19	11	0	0	53.6	33.2	42.1	0	36	10/7	1.7
Desert Mountain School	100	10/20	46	10/31	88.4	60.4	74.8	15	2	0	0	42.7	30.9	36.9	0	25	10/30	2.6
Durango Complex	102	10/19	51	10/30	90.1	66.0	78.2	17	4	0	0	38.8	30.5	34.7	0	22	10/7	1.8
EMF @ Arizona Ave.	105	10/6	48	10/30	92.7	62.4	77.6	17	9	0	0	46.4	35.7	40.8	0	20	10/1	2.8
Estrella Fan	104	10/6	55	10/29	92.1	68.6	81.0	18	9	0	0	45.2	33.9	39.5	0	67	10/1	2.0
Fountain Hills Fire Dept.	103	10/20	52	10/31	91.0	66.5	78.2	17	5	0	0	43.9	32.7	38.3	0	N/A	N/A	N/A
G & F Woolsey Peak	96	10/20	64	10/31	87.2	75.3	81.1	14	0	0	0	43.8	30.1	37.3	0	N/A	N/A	N/A
GateWay Community College	104	10/16	55	10/30	91.8	69.0	80.3	14	7	0	0	44.8	34.5	39.8	0	25	10/31	2.7
Gila Bend Landfill	105	10/6	43	10/30	92.8	61.4	77.0	18	11	0	0	44.6	31.2	37.9	0	50	10/10	4.1
Gila Bend Mountains	102	10/21	59	10/31	90.7	70.8	80.8	17	7	0	0	41.7	29.8	36.3	0	28	10/30	4.5
Horseshoe Lake	102	10/20	47	10/31	90.8	61.7	75.7	16	5	0	0	50.5	36.6	42.9	0	22	10/30	2.7
Horsethief Basin	84	10/19	31	10/30	69.7	52.7	60.1	0	0	0	1	44.1	32.7	38.2	0	28	10/11	4.9
Humboldt Mountain	89	10/19	43	10/30	76.1	60.7	67.1	0	0	0	0	42.5	32.9	37.7	0	N/A	N/A	N/A
Jefferson Park	104	10/16	55	10/29	91.8	66.7	79.2	17	7	0	0	42.5	26.6	35.4	0	18	10/30	1.3
Jomax Rd. @ 70th St.	101	10/19	52	10/29	88.8	65.5	76.7	15	2	0	0	43.4	32.7	38.3	0	15	10/11	2.2
Kleinman Park	102	10/20	52	10/31	91.0	68.0	79.0	15	4	0	0	45.3	33.1	39.4	0	19	10/7	1.8
Lake Pleasant	102	10/20	61	10/30	90.9	70.5	79.8	16	5	0	0	53.9	32.5	40.8	0	35	10/30	5.5
Lake Pleasant North	100	10/20	60	10/30	88.7	69.0	78.0	14	2	0	0	52.9	32.4	40.3	0	30	10/8	4.6
Magma FRS	104	10/6	52	10/30	91.1	63.5	77.4	17	5	0	0	48.0	33.9	41.1	0	25	10/7	2.2
McMicken Dam	104	10/20	47	10/31	92.3	63.7	78.6	17	9	0	0	42.5	28.4	35.5	0	24	10/8	4.1
Mobile	104	10/20	45	10/30	91.9	60.8	76.5	17	9	0	0	47.6	31.6	40.1	0	36	10/31	3.2
Mt. Union	78	10/19	31	10/30	64.4	48.9	55.2	0	0	0	1	33.1	23.4	28.7	0	N/A	N/A	N/A
Osborn Rd. @ 64th St.	103	10/19	49	10/30	91.0	62.9	76.6	17	4	0	0	46.1	36.1	41.2	0	16	10/31	1.2
Phoenix Dam 2B	103	10/19	49	10/31	90.8	64.0	77.9	16	4	0	0	47.9	35.5	41.6	0	17	10/7	2.1
Rackensack Canyon	92	10/20	48	10/30	78.5	65.1	71.4	2	0	0	0	38.2	26.5	32.7	0	23	10/29	5.7
Saguaro Lake	105	10/20	53	10/29	93.4	66.1	78.8	18	11	0	0	57.0	37.6	45.1	0	25	10/31	2.1
South Mountain Fan	103	10/16	52	10/30	91.5	68.1	80.5	17	6	0	0	45.1	33.9	39.6	0	18	10/30	2.2
South Mountain Park	96	10/20	57	10/31	85.5	69.9	77.7	14	0	0	0	42.3	31.9	37.4	0	19	10/30	1.3
Sycamore Creek - Upper	87	10/19	42	10/30	74.1	59.9	65.9	0	0	0	0	39.2	27.7	33.8	0	33	10/1	6.9
Thompson Peak	99	10/19	53	10/31	86.2	69.3	77.2	12	0	0	0	43.1	29.9	36.9	0	N/A	N/A	N/A
Tiger Wash Fan	100	10/19	42	10/30	88.3	60.4	74.4	15	3	0	0	39.2	27.3	32.9	0	20	10/29	3.7
Usery Park WS	102	10/19	55	10/29	89.5	68.8	78.9	16	3	0	0	47.1	36.8	42.2	0	55	10/18	2.0
Wickenburg Airport	101	10/19	42	10/31	86.9	58.5	73.2	14	1	0	0	37.0	25.6	31.1	0	36	10/7	3.6

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_2024_v2.xlsx

Table 3: November Weather & Climate Summary Report (Water Year 2024)

Weather Station	Maximum Temp		Minimum Temp		Mean Max Temp	Mean Min Temp	Mean Temp	Days ≥ 90°F	Days ≥ 100°F	Days ≥ 110°F	Days ≤ 32°F	Mean Max Dewpoint	Mean Min Dewpoint	Mean Dewpoint	Days Mean Dewpoint ≥ 55°F	Peak Wind	Mean Wind	
	°F	Date	°F	Date	°F	°F	°F	Total	Total	Total	Total	°F	°F	°F	Total	MPH	Date	MPH
Aguila VFD	93	11/5	37	11/26	78.5	47.9	62.7	3	0	0	0	36.2	23.6	30.0	0	21	11/13	2.9
Bartlett Lake	91	11/5	42	11/24	77.6	54.8	65.2	2	0	0	0	41.8	29.7	35.3	0	18	11/24	3.3
Belmont Mountains	92	11/5	45	11/30	77.5	58.1	67.7	3	0	0	0	38.8	27.1	33.4	1	37	11/20	2.5
Buckeye FRS #1	91	11/6	39	11/26	77.8	51.1	64.2	2	0	0	0	40.5	26.1	33.4	0	40	11/13	3.5
Camelback Rd. @ Loop 303	90	11/6	46	11/26	77.1	54.0	65.1	2	0	0	0	42.1	30.3	36.5	2	24	11/19	1.8
Carefree Ranch	89	11/5	43	11/30	73.2	56.0	64.2	0	0	0	0	38.1	28.5	33.3	0	20	11/12	4.6
City of Glendale	93	11/5	48	11/24	79.9	56.4	67.8	3	0	0	0	43.9	32.6	38.5	2	16	11/19	1.1
Crossroads Park	94	11/5	42	11/26	80.4	54.3	67.3	3	0	0	0	47.4	31.2	38.7	2	16	11/21	1.5
Desert Mountain School	91	11/5	41	11/30	75.8	50.2	63.0	1	0	0	0	38.2	27.0	32.6	0	16	11/21	2.6
Durango Complex	89	11/6	46	11/26	78.0	55.6	66.4	0	0	0	0	37.6	27.7	32.7	0	18	11/19	1.4
EMF @ Arizona Ave.	92	11/6	42	11/10	80.5	53.1	66.0	3	0	0	0	43.4	32.9	38.6	2	19	11/19	2.7
Estrella Fan	93	11/6	48	11/26	78.7	58.6	68.8	3	0	0	0	44.5	34.6	39.9	3	40	11/29	2.1
Fountain Hills Fire Dept.	92	11/5	45	11/24	77.5	55.3	65.7	2	0	0	0	39.6	29.0	34.3	1	N/A	N/A	N/A
G & F Woolsey Peak	87	11/6	58	11/26	76.0	66.0	71.2	0	0	0	0	42.0	29.7	36.5	3	N/A	N/A	N/A
GateWay Community College	92	11/6	46	11/26	79.7	58.1	68.4	2	0	0	0	41.2	31.1	36.3	2	21	11/19	2.4
Gila Bend Landfill	94	11/5	38	11/10	79.1	50.8	63.8	3	0	0	0	41.6	29.4	35.6	3	21	11/24	4.1
Gila Bend Mountains	93	11/5	50	11/30	76.4	59.7	68.1	2	0	0	0	37.9	26.2	32.4	1	33	11/12	6.0
Horseshoe Lake	94	11/5	41	11/26	78.0	51.3	63.7	3	0	0	0	45.0	30.8	37.3	0	18	11/20	2.7
Horsethief Basin	73	11/4	26	11/26	57.0	42.1	48.3	0	0	0	2	35.5	25.1	30.4	0	33	11/19	4.7
Humboldt Mountain	81	11/5	37	11/30	63.0	49.3	55.3	0	0	0	0	36.3	27.5	32.0	0	N/A	N/A	N/A
Jefferson Park	92	11/5	44	11/26	79.2	55.5	67.0	2	0	0	0	39.5	25.8	33.3	2	15	11/21	0.9
Jomax Rd. @ 70th St.	91	11/5	44	11/30	76.0	55.5	64.9	1	0	0	0	38.5	29.1	33.9	0	12	11/1	2.2
Kleinman Park	92	11/6	50	11/24	79.8	57.6	67.4	2	0	0	0	41.6	31.1	36.8	2	15	11/13	1.2
Lake Pleasant	92	11/5	50	11/30	77.7	60.1	67.8	2	0	0	0	47.7	29.5	36.6	1	27	11/21	5.5
Lake Pleasant North	89	11/5	48	11/24	76.0	58.1	66.4	0	0	0	0	46.3	27.8	35.5	1	34	11/21	4.4
Magma FRS	92	11/6	43	11/26	78.1	54.1	65.6	3	0	0	0	42.9	30.8	36.9	0	24	11/1	2.4
McMicken Dam	91	11/6	41	11/26	79.1	53.3	66.0	3	0	0	0	40.1	26.6	33.5	1	22	11/19	3.9
Mobile	94	11/6	40	11/26	79.7	52.6	65.9	4	0	0	0	39.0	26.8	33.5	0	34	11/19	3.3
Mt. Union	69	11/4	25	11/25	52.5	38.5	44.3	0	0	0	8	26.4	16.8	22.3	0	N/A	N/A	N/A
Osborn Rd. @ 64th St.	91	11/5	41	11/26	77.5	52.4	64.5	2	0	0	0	40.8	30.6	35.8	0	13	11/19	1.1
Phoenix Dam 2B	93	11/5	43	11/26	77.8	53.5	65.6	2	0	0	0	43.2	32.0	37.7	2	19	11/19	1.8
Rackensack Canyon	81	11/4	41	11/26	65.7	53.8	59.2	0	0	0	0	34.0	24.3	29.6	0	23	11/21	5.7
Saguaro Lake	94	11/6	47	11/26	79.6	56.0	67.2	4	0	0	0	50.6	33.3	40.4	3	26	11/1	2.5
South Mountain Fan	91	11/6	48	11/26	77.9	57.0	67.7	2	0	0	0	42.0	31.7	37.3	2	17	11/19	1.8
South Mountain Park	85	11/6	49	11/30	71.5	58.7	65.3	0	0	0	0	37.0	27.5	32.7	0	22	11/19	1.5
Sycamore Creek - Upper	78	11/4	35	11/26	60.9	48.3	54.0	0	0	0	0	35.2	25.1	30.5	0	20	11/1	1.1
Thompson Peak	88	11/5	47	11/30	73.2	58.4	65.1	0	0	0	0	38.9	28.0	33.9	2	N/A	N/A	N/A
Tiger Wash Fan	89	11/5	39	11/26	75.4	50.1	62.2	0	0	0	0	35.1	23.8	29.5	0	20	11/20	3.6
Usery Park WS	91	11/5	49	11/30	76.3	58.4	67.0	1	0	0	0	42.7	32.9	38.0	2	39	11/27	1.7
Wickenburg Airport	88	11/5	36	11/26	74.3	47.5	61.0	0	0	0	0	31.3	20.0	25.7	0	36	11/19	3.5

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_2024_v2.xlsx

Table 4: December Weather & Climate Summary Report (Water Year 2024)

Weather Station	Maximum Temp		Minimum Temp		Mean Max Temp	Mean Min Temp	Mean Temp	Days ≥ 90°F	Days ≥ 100°F	Days ≥ 110°F	Days ≤ 32°F	Mean Max Dewpoint	Mean Min Dewpoint	Mean Dewpoint	Days Mean Dewpoint ≥ 55°F	Peak Wind	Mean Wind	
	°F	Date	°F	Date	°F	°F	°F	Total	Total	Total	Total	°F	°F	°F	Total	MPH	Date	MPH
Aguila VFD	82	12/5	34	12/13	71.5	41.7	55.2	0	0	0	0	33.1	22.5	27.5	0	22	12/22	2.4
Bartlett Lake	83	12/5	37	12/13	69.7	46.7	56.3	0	0	0	0	37.3	27.5	32.1	0	18	12/9	2.9
Belmont Mountains	81	12/5	41	12/27	70.6	50.8	60.1	0	0	0	0	34.6	25.9	30.5	0	43	12/22	1.7
Buckeye FRS #1	79	12/6	34	12/14	68.9	42.7	54.9	0	0	0	0	36.8	24.8	30.5	0	25	12/22	2.7
Camelback Rd. @ Loop 303	80	12/6	37	12/14	68.5	45.0	55.9	0	0	0	0	39.2	29.7	34.6	0	24	12/9	0.8
Carefree Ranch	78	12/5	40	12/27	66.0	47.9	56.8	0	0	0	0	33.2	24.3	28.9	0	25	12/16	4.2
City of Glendale	83	12/6	40	12/27	71.1	47.1	58.1	0	0	0	0	41.4	32.8	36.7	0	19	12/22	0.6
Crossroads Park	85	12/6	39	12/27	72.1	45.5	57.6	0	0	0	0	43.3	29.9	36.1	0	21	12/22	1.0
Desert Mountain School	80	12/5	34	12/27	67.7	41.1	53.4	0	0	0	0	34.5	26.4	30.8	0	20	12/9	1.7
Durango Complex	84	12/6	41	12/10	71.6	48.7	59.2	0	0	0	0	42.2	33.1	37.4	0	17	12/22	0.9
EMF @ Arizona Ave.	80	12/16	36	12/15	70.0	43.5	54.9	0	0	0	0	39.7	30.2	34.8	0	26	12/22	1.8
Estrella Fan	82	12/6	42	12/27	70.2	49.4	59.5	0	0	0	0	45.0	35.0	39.8	0	45	12/16	1.4
Fountain Hills Fire Dept.	82	12/6	40	12/27	69.3	47.3	56.8	0	0	0	0	35.5	26.7	30.9	0	N/A	N/A	N/A
G & F Woolsey Peak	77	12/6	56	12/25	68.6	61.0	65.1	0	0	0	0	40.5	27.8	34.5	1	N/A	N/A	N/A
GateWay Community College	84	12/6	42	12/27	71.0	49.1	59.2	0	0	0	0	38.3	30.0	34.2	0	26	12/22	1.9
Gila Bend Landfill	85	12/6	36	12/14	69.9	44.4	55.3	0	0	0	0	40.5	31.0	35.7	0	39	12/22	3.9
Gila Bend Mountains	80	12/6	46	12/27	68.1	52.7	60.3	0	0	0	0	34.0	24.6	29.4	0	36	12/22	5.7
Horseshoe Lake	81	12/6	36	12/14	69.3	43.8	54.8	0	0	0	0	39.6	28.2	33.2	0	19	12/9	1.9
Horsethief Basin	66	12/17	27	12/9	53.4	38.7	44.6	0	0	7	30.0	18.5	23.8	0	26	12/9	4.5	
Humboldt Mountain	67	12/17	34	12/9	56.6	44.4	49.7	0	0	0	0	30.9	21.7	26.4	0	N/A	N/A	N/A
Jefferson Park	83	12/6	38	12/27	70.4	46.3	57.4	0	0	0	0	37.6	23.7	31.2	0	21	12/22	0.8
Jomax Rd. @ 70th St.	80	12/6	39	12/14	68.2	47.4	56.7	0	0	0	0	34.5	26.6	30.4	0	17	12/20	2.1
Kleinman Park	88	12/5	40	12/29	72.3	48.7	59.4	0	0	0	0	40.7	30.2	35.7	0	18	12/22	1.2
Lake Pleasant	82	12/6	45	12/27	69.6	52.9	60.0	0	0	0	0	43.5	27.0	34.1	0	33	12/9	5.0
Lake Pleasant North	81	12/6	41	12/27	68.0	50.2	58.5	0	0	0	0	41.8	25.3	32.5	0	35	12/9	3.9
Magma FRS	83	12/6	36	12/27	70.0	45.3	57.2	0	0	0	0	36.8	27.6	32.4	0	25	12/22	1.8
McMicken Dam	82	12/6	35	12/10	70.5	43.8	56.7	0	0	0	0	37.5	26.5	32.3	0	29	12/22	3.2
Mobile	75	12/6	39	12/29	69.3	48.3	58.3	0	0	0	0	39.0	29.7	34.7	0	29	12/16	2.8
Mt. Union	62	12/17	25	12/9	48.6	35.9	41.1	0	0	11	21.0	8.8	15.4	0	N/A	N/A	N/A	
Osborn Rd. @ 64th St.	82	12/5	35	12/27	69.0	42.8	54.8	0	0	0	0	36.2	27.7	31.6	0	18	12/22	0.9
Phoenix Dam 2B	82	12/5	37	12/27	69.6	44.8	56.5	0	0	0	0	39.9	30.7	35.1	0	22	12/22	1.3
Rackensack Canyon	70	12/17	38	12/1	59.0	47.8	53.0	0	0	0	0	29.4	18.5	24.4	0	20	12/9	4.7
Saguaro Lake	82	12/6	38	12/27	71.2	47.8	58.5	0	0	0	0	44.5	30.1	36.4	0	32	12/16	2.3
South Mountain Fan	82	12/6	40	12/27	70.1	48.2	58.8	0	0	0	0	39.0	29.7	34.2	0	16	12/20	1.4
South Mountain Park	73	12/6	44	12/27	63.1	51.5	57.5	0	0	0	0	33.6	25.0	29.0	0	19	12/22	1.2
Sycamore Creek - Upper	67	12/17	32	12/26	53.4	42.4	47.5	0	0	1	27.5	16.2	22.1	0	25	12/29	3.1	
Thompson Peak	79	12/6	44	12/26	65.8	51.6	57.8	0	0	0	0	34.6	23.6	29.3	0	N/A	N/A	N/A
Tiger Wash Fan	78	12/6	36	12/10	67.3	43.5	54.3	0	0	0	0	32.7	23.9	28.2	0	20	12/22	3.3
Usery Park WS	82	12/6	41	12/27	68.9	49.8	58.8	0	0	0	0	38.2	29.1	33.4	0	44	12/15	1.7
Wickenburg Airport	80	12/5	34	12/27	67.6	40.5	53.3	0	0	0	0	26.8	17.5	22.5	0	33	12/22	3.0

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_2024_v2.xlsx

Table 5: January Weather & Climate Summary Report (Water Year 2024)

Weather Station	Maximum Temp		Minimum Temp		Mean Max Temp	Mean Min Temp	Mean Temp	Days ≥ 90°F	Days ≥ 100°F	Days ≥ 110°F	Days ≤ 32°F	Mean Max Dewpoint	Mean Min Dewpoint	Mean Dewpoint	Days Mean Dewpoint ≥ 55°F	Peak Wind	Mean Wind	
	°F	Date	°F	Date	°F	°F	°F	Total	Total	Total	Total	°F	°F	°F	Total	MPH	Date	MPH
Aguila VFD	76	1/30	24	1/12	61.5	36.5	48.1	0	0	0	6	32.5	24.3	28.4	0	27	1/11	3.0
Bartlett Lake	81	1/29	28	1/8	63.3	41.0	50.9	0	0	0	5	37.4	28.6	32.9	0	23	1/7	2.6
Belmont Mountains	77	1/30	31	1/12	62.4	44.2	52.9	0	0	0	2	36.3	28.2	32.1	0	31	1/7	1.9
Buckeye FRS #1	78	1/31	28	1/12	64.0	40.1	51.4	0	0	0	6	36.9	28.2	32.3	0	53	1/11	2.9
Camelback Rd. @ Loop 303	78	1/30	32	1/12	63.4	42.5	52.5	0	0	0	1	39.2	31.3	35.3	0	33	1/11	1.2
Carefree Ranch	74	1/30	29	1/8	58.6	42.3	50.2	0	0	0	5	33.2	25.0	29.0	0	28	1/11	3.7
City of Glendale	81	1/30	33	1/12	66.1	43.9	54.5	0	0	0	5	41.0	33.5	37.4	0	21	1/11	0.7
Crossroads Park	82	1/30	32	1/9	67.0	43.2	54.5	0	0	0	1	42.1	31.9	37.4	0	29	1/11	1.3
Desert Mountain School	77	1/30	26	1/12	61.8	38.4	49.6	0	0	0	9	35.4	27.0	30.9	0	22	1/11	1.7
Durango Complex	82	1/29	33	1/9	66.6	45.9	55.8	0	0	0	0	41.3	33.7	37.4	0	23	1/11	1.2
EMF @ Arizona Ave.	80	1/31	28	1/12	65.9	40.3	52.3	0	0	0	5	42.1	33.2	37.9	0	51	1/11	2.2
Estrella Fan	79	1/31	32	1/9	65.1	45.6	55.1	0	0	0	1	43.7	34.6	39.1	0	49	1/16	1.2
Fountain Hills Fire Dept.	79	1/30	28	1/8	63.3	42.5	52.0	0	0	0	3	37.2	28.9	33.1	0	N/A	N/A	N/A
G & F Woolsey Peak	64	1/3	49	1/8	60.8	54.3	58.1	0	0	0	0	41.8	30.9	36.3	0	N/A	N/A	N/A
GateWay Community College	82	1/30	34	1/9	65.9	47.2	56.4	0	0	0	0	38.5	31.5	35.1	0	35	1/11	2.1
Gila Bend Landfill	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	36	1/27	4.1
Gila Bend Mountains	74	1/29	38	1/9	62.3	47.4	54.8	0	0	0	0	33.4	22.4	28.0	0	36	1/28	5.6
Horseshoe Lake	80	1/30	30	1/12	63.5	40.8	50.6	0	0	0	3	37.5	29.1	33.1	0	20	1/11	1.9
Horsethief Basin	61	1/30	14	1/8	45.8	32.1	37.8	0	0	0	12	28.9	17.3	23.0	0	39	1/11	5.7
Humboldt Mountain	66	1/30	22	1/8	50.5	39.0	43.8	0	0	0	7	30.5	21.9	26.3	0	N/A	N/A	N/A
Jefferson Park	81	1/29	31	1/9	65.0	43.0	53.3	0	0	0	4	40.7	32.6	36.9	0	31	1/7	0.8
Jomax Rd. @ 70th St.	77	1/30	28	1/8	62.1	42.5	51.4	0	0	0	5	36.8	28.7	32.5	0	12	1/28	1.9
Kleinman Park	80	1/30	32	1/9	65.3	44.4	53.9	0	0	0	1	39.4	30.9	35.2	0	17	1/28	1.4
Lake Pleasant	79	1/29	36	1/8	63.6	47.6	54.7	0	0	0	0	42.1	29.7	35.2	0	36	1/7	4.7
Lake Pleasant North	77	1/29	34	1/8	62.2	45.5	53.1	0	0	0	0	40.6	28.1	33.6	0	22	1/28	3.4
Magma FRS	79	1/30	28	1/12	64.0	42.0	52.6	0	0	0	6	36.8	28.6	32.9	0	30	1/11	1.3
McMicken Dam	79	1/31	33	1/9	65.4	42.3	53.2	0	0	0	0	40.5	30.9	35.6	0	38	1/11	3.4
Mobile	77	1/31	28	1/10	64.7	40.6	51.9	0	0	0	6	40.2	31.6	35.9	0	39	1/11	3.6
Mt. Union	56	1/29	9	1/8	39.6	27.8	33.1	0	0	0	22	21.3	10.1	16.4	0	N/A	N/A	N/A
Osborn Rd. @ 64th St.	79	1/31	28	1/9	64.1	40.3	51.5	0	0	0	5	34.9	27.5	31.0	0	20	1/11	1.0
Phoenix Dam 2B	79	1/29	29	1/12	63.9	41.2	52.2	0	0	0	5	40.7	32.2	36.4	0	22	1/11	1.4
Rackensack Canyon	67	1/30	25	1/8	52.3	41.9	46.5	0	0	0	4	32.5	23.3	28.3	0	28	1/11	5.2
Saguaro Lake	82	1/30	31	1/12	66.0	43.0	53.3	0	0	0	4	44.7	33.4	38.5	0	24	1/28	1.6
South Mountain Fan	81	1/29	33	1/9	65.8	45.9	55.8	0	0	0	0	41.0	32.0	36.4	0	28	1/11	1.8
South Mountain Park	72	1/29	36	1/9	59.0	47.4	53.4	0	0	0	0	34.2	26.4	30.1	0	30	1/11	1.3
Sycamore Creek - Upper	61	1/30	19	1/8	45.8	35.4	40.0	0	0	0	10	29.3	18.4	24.5	0	31	1/8	6.5
Thompson Peak	77	1/29	34	1/12	59.2	46.4	52.1	0	0	0	0	37.6	27.2	32.6	0	N/A	N/A	N/A
Tiger Wash Fan	77	1/29	30	1/12	62.6	41.7	51.5	0	0	0	3	37.0	28.2	32.4	0	26	1/11	3.5
Usery Park WS	77	1/30	31	1/9	62.3	44.5	52.7	0	0	0	2	40.4	32.1	36.0	0	36	1/17	1.2
Wickenburg Airport	76	1/30	26	1/9	60.9	38.2	48.9	0	0	0	5	30.1	22.7	26.1	0	56	1/11	3.1

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_2024_v2.xlsx

Table 6: February Weather & Climate Summary Report (Water Year 2024)

Weather Station	Maximum Temp		Minimum Temp		Mean Max Temp	Mean Min Temp	Mean Temp	Days ≥ 90°F	Days ≥ 100°F	Days ≥ 110°F	Days ≤ 32°F	Mean Max Dewpoint	Mean Min Dewpoint	Mean Dewpoint	Days Mean Dewpoint ≥ 55°F	Peak Wind	Mean Wind	
	°F	Date	°F	Date	°F	°F	°F	Total	Total	Total	Total	°F	°F	°F	Total	MPH	Date	MPH
Aguila VFD	74	2/24	33	2/13	66.5	42.1	54.2	0	0	0	0	38.3	30.2	34.2	0	25	2/6	3.4
Bartlett Lake	79	2/25	35	2/11	68.3	44.5	55.1	0	0	0	0	41.1	31.3	36.5	0	21	2/8	2.9
Belmont Mountains	78	2/24	37	2/10	67.0	47.0	57.0	0	0	0	0	42.4	32.4	37.4	0	44	2/1	2.6
Buckeye FRS #1	79	2/25	34	2/12	69.1	45.0	57.0	0	0	0	0	43.1	34.7	38.9	0	37	2/5	3.3
Camelback Rd. @ Loop 303	79	2/25	37	2/11	68.8	47.6	57.9	0	0	0	0	44.2	35.2	39.9	0	30	2/1	1.6
Carefree Ranch	75	2/25	34	2/11	63.4	45.4	54.2	0	0	0	0	37.4	28.7	33.1	0	26	2/6	4.1
City of Glendale	83	2/25	38	2/11	71.6	49.4	60.4	0	0	0	0	45.5	36.0	41.1	0	21	2/2	1.4
Crossroads Park	83	2/25	38	2/9	72.1	48.8	60.3	0	0	0	0	46.6	32.9	40.9	0	23	2/8	1.9
Desert Mountain School	78	2/25	32	2/11	66.4	43.1	54.8	0	0	0	1	39.8	30.8	35.3	0	21	2/6	2.2
Durango Complex	83	2/25	41	2/11	72.1	51.8	61.8	0	0	0	0	45.9	36.8	41.7	0	23	2/6	2.0
EMF @ Arizona Ave.	80	2/25	36	2/12	70.7	45.6	57.6	0	0	0	0	48.4	37.1	43.2	0	45	2/1	3.1
Estrella Fan	80	2/25	38	2/11	70.1	49.3	59.6	0	0	0	0	42.4	33.2	38.0	0	31	2/21	1.1
Fountain Hills Fire Dept.	79	2/25	34	2/11	68.5	45.7	56.6	0	0	0	0	42.4	31.6	37.2	0	N/A	N/A	N/A
G & F Woolsey Peak	71	2/25	55	2/29	67.6	58.0	62.8	0	0	0	0	42.8	27.8	35.4	0	N/A	N/A	N/A
GateWay Community College	83	2/25	39	2/11	71.1	50.1	60.4	0	0	0	0	43.2	34.5	39.1	0	26	2/1	2.4
Gila Bend Landfill	83	2/1	38	2/11	74	49	60	0	0	0	0	54	39	46	1	33	2/8	4.0
Gila Bend Mountains	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	27	2/25	3.6
Horseshoe Lake	80	2/25	36	2/11	69.1	44.0	55.2	0	0	0	0	41.4	32.3	36.6	0	24	2/8	2.7
Horsethief Basin	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Humboldt Mountain	68	2/25	30	2/8	55.0	42.8	48.3	0	0	0	4	32.5	21.9	27.6	0	N/A	N/A	N/A
Jefferson Park	82	2/25	37	2/12	70.6	47.7	58.4	0	0	0	0	45.2	34.1	40.6	0	31	2/8	1.1
Jomax Rd. @ 70th St.	80	2/25	34	2/11	67.0	46.7	56.1	0	0	0	0	41.2	32.7	36.8	0	17	2/8	2.3
Kleinman Park	81	2/25	39	2/11	70.8	49.1	59.3	0	0	0	0	43.8	32.5	38.8	0	24	2/7	1.8
Lake Pleasant	80	2/25	42	2/10	68.0	50.1	58.2	0	0	0	0	47.3	33.2	39.8	0	36	2/2	4.6
Lake Pleasant North	77	2/25	41	2/11	67.1	48.6	57.0	0	0	0	0	46.0	30.9	38.0	0	22	2/7	3.5
Magma FRS	80	2/25	38	2/13	68.6	47.1	57.3	0	0	0	0	41.5	32.1	37.1	0	35	2/28	2.2
McMicken Dam	82	2/25	36	2/12	70.6	47.1	58.7	0	0	0	0	46.2	33.7	40.6	0	23	2/7	3.5
Mobile	79	2/25	35	2/12	69.8	45.0	56.7	0	0	0	0	46.3	36.2	41.7	0	28	2/8	4.1
Mt. Union	54	2/24	16	2/11	41.8	29.4	34.8	0	0	19	0	24.0	12.4	18.6	0	N/A	N/A	N/A
Osborn Rd. @ 64th St.	81	2/25	35	2/11	69.7	45.7	57.4	0	0	0	0	39.1	30.1	34.8	0	19	2/2	1.5
Phoenix Dam 2B	80	2/25	36	2/12	69.3	46.3	57.7	0	0	0	0	45.2	35.1	40.5	0	26	2/6	2.4
Rackensack Canyon	70	2/25	32	2/10	55.9	44.2	49.9	0	0	0	2	36.6	26.2	31.6	0	39	2/8	6.3
Saguaro Lake	82	2/20	36	2/11	70.9	46.0	57.5	0	0	0	0	48.2	35.4	42.1	0	33	2/8	1.8
South Mountain Fan	80	2/25	40	2/12	71.0	49.6	60.3	0	0	0	0	46.2	35.1	41.1	0	25	2/1	2.3
South Mountain Park	74	2/25	39	2/11	64.1	50.6	57.6	0	0	0	0	39.4	28.2	34.3	0	25	2/8	1.2
Sycamore Creek - Upper	64	2/25	25	2/11	49.5	37.8	43.2	0	0	0	10	32.6	20.6	27.1	0	40	2/1	6.5
Thompson Peak	78	2/25	37	2/10	63.7	49.3	56.0	0	0	0	0	42.8	30.6	36.9	0	N/A	N/A	N/A
Tiger Wash Fan	76	2/23	33	2/11	66.8	44.9	55.3	0	0	0	0	42.9	33.0	38.4	0	20	2/6	3.4
Usery Park WS	79	2/25	36	2/11	67.3	47.1	56.9	0	0	0	0	45.3	34.1	39.9	0	26	2/23	1.3
Wickenburg Airport	73	2/25	35	2/13	66.2	43.5	54.8	0	0	0	0	35.7	27.0	31.4	0	33	2/6	3.0

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_2024_v2.xlsx

Table 7: March Weather & Climate Summary Report (Water Year 2024)

Weather Station	Maximum Temp		Minimum Temp		Mean Max Temp	Mean Min Temp	Mean Temp	Days ≥ 90°F	Days ≥ 100°F	Days ≥ 110°F	Days ≤ 32°F	Mean Max Dewpoint	Mean Min Dewpoint	Mean Dewpoint	Days Mean Dewpoint ≥ 55°F	Peak Wind	Mean Wind	
	°F	Date	°F	Date	°F	°F	°F	Total	Total	Total	Total	°F	°F	°F	Total	MPH	Date	MPH
Aguila VFD	78	3/22	35	3/25	68.0	42.2	55.6	0	0	0	0	38.4	27.8	33.1	0	25	3/26	4.1
Bartlett Lake	81	3/22	40	3/16	70.9	46.4	57.9	0	0	0	0	42.5	32.3	37.6	0	25	3/7	3.2
Belmont Mountains	81	3/22	41	3/25	70.6	48.8	59.9	0	0	0	0	42.2	29.8	36.2	0	58	3/24	3.5
Buckeye FRS #1	85	3/22	43	3/25	74.1	48.8	61.8	0	0	0	0	48.4	32.5	41.2	0	36	3/23	4.2
Camelback Rd. @ Loop 303	84	3/22	45	3/16	74.1	51.9	63.3	0	0	0	0	49.0	31.6	41.5	0	34	3/30	2.8
Carefree Ranch	75	3/22	39	3/25	65.3	47.4	55.9	0	0	0	0	38.8	29.9	34.3	0	27	3/26	4.3
City of Glendale	85	3/30	46	3/16	75.1	53.5	64.3	0	0	0	0	46.2	34.5	40.7	0	22	3/7	2.1
Crossroads Park	83	3/30	46	3/27	73.9	51.5	62.8	0	0	0	0	45.9	33.2	40.0	0	22	3/30	3.2
Desert Mountain School	79	3/30	39	3/25	69.3	45.7	57.8	0	0	0	0	40.2	31.3	35.5	0	25	3/26	3.1
Durango Complex	84	3/30	45	3/16	74.7	54.3	64.3	0	0	0	0	47.4	31.2	40.5	0	25	3/24	2.7
EMF @ Arizona Ave.	85	3/30	37	3/16	74.8	47.4	61.6	0	0	0	0	46.3	32.8	40.5	0	45	3/24	3.9
Estrella Fan	84	3/30	46	3/25	73.9	52.8	63.7	0	0	0	0	39.2	29.7	34.4	0	24	3/23	1.8
Fountain Hills Fire Dept.	84	3/30	41	3/16	72.2	48.1	59.7	0	0	0	0	43.3	31.9	38.3	0	N/A	N/A	N/A
G & F Woolsey Peak	75	3/22	49	3/31	66.7	55.2	60.6	0	0	0	0	41.9	26.7	34.2	0	N/A	N/A	N/A
GateWay Community College	85	3/22	45	3/16	74.7	53.3	64.0	0	0	0	0	43.4	33.3	38.9	0	28	3/18	3.0
Gila Bend Landfill	87	3/22	41	3/16	76	49	63	0	0	0	0	47	32	39	0	33	3/30	4.9
Gila Bend Mountains	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	27	3/24	3.5
Horseshoe Lake	81	3/22	40	3/27	70.8	45.8	57.6	0	0	0	0	42.8	33.9	38.1	0	26	3/13	3.0
Horsethief Basin	62	3/22	30	3/24	50.9	38.2	43.5	0	0	3	3	30.3	20.2	24.9	0	49	3/30	6.8
Humboldt Mountain	68	3/22	35	3/31	56.6	43.4	48.9	0	0	0	0	34.5	24.8	29.6	0	N/A	N/A	N/A
Jefferson Park	84	3/29	43	3/16	73.5	51.1	62.1	0	0	0	0	45.3	34.0	40.3	0	36	3/25	1.7
Jomax Rd. @ 70th St.	80	3/22	41	3/25	69.8	48.4	58.5	0	0	0	0	41.9	33.6	37.5	0	18	3/30	2.4
Kleinman Park	84	3/30	45	3/16	74.1	52.7	62.9	0	0	0	0	43.5	31.1	38.3	0	22	3/26	2.5
Lake Pleasant	79	3/30	44	3/15	69.5	50.1	59.0	0	0	0	0	51.5	35.1	43.4	0	47	3/30	5.3
Lake Pleasant North	80	3/22	45	3/25	70.1	50.7	59.9	0	0	0	0	46.5	25.5	37.4	0	37	3/18	3.9
Magma FRS	89	3/30	42	3/3	76.5	50.3	63.3	0	0	0	0	50.6	22.5	39.7	0	27	3/30	4.4
McMicken Dam	84	3/22	43	3/25	73.9	49.0	62.2	0	0	0	0	46.1	31.0	39.4	0	33	3/24	4.8
Mobile	86	3/22	37	3/16	74.4	46.5	60.9	0	0	0	0	44.5	32.9	38.8	0	39	3/30	4.5
Mt. Union	54	3/22	23	3/25	42.2	30.2	35.0	0	0	21	21	25.3	16.3	21.0	0	N/A	N/A	N/A
Osborn Rd. @ 64th St.	84	3/22	41	3/16	73.5	49.5	61.2	0	0	0	0	39.3	29.0	34.8	0	23	3/26	2.1
Phoenix Dam 2B	83	3/22	42	3/16	72.5	49.8	61.2	0	0	0	0	45.5	33.6	40.1	0	26	3/26	3.1
Rackensack Canyon	68	3/30	37	3/31	58.1	45.5	51.2	0	0	0	0	38.3	28.3	33.2	0	29	3/31	6.8
Saguaro Lake	84	3/22	42	3/16	73.3	48.5	60.1	0	0	0	0	49.2	35.9	42.7	0	22	3/13	1.8
South Mountain Fan	85	3/30	44	3/16	74.5	52.9	64.1	0	0	0	0	45.3	33.4	39.6	0	23	3/26	3.0
South Mountain Park	79	3/22	45	3/25	68.6	52.7	60.3	0	0	0	0	39.1	28.8	34.2	0	28	3/30	1.4
Sycamore Creek - Upper	61	3/30	30	3/16	51.4	38.1	43.8	0	0	3	3	34.2	23.8	29.2	0	N/A	N/A	N/A
Thompson Peak	76	3/22	42	3/25	66.2	50.5	57.6	0	0	0	0	43.8	31.1	37.6	0	N/A	N/A	N/A
Tiger Wash Fan	82	3/22	39	3/25	71.3	46.2	58.9	0	0	0	0	41.4	28.6	35.1	0	24	3/30	4.1
Usery Park WS	81	3/30	42	3/16	70.2	49.9	59.7	0	0	0	0	45.9	34.7	40.4	0	37	3/14	2.0
Wickenburg Airport	77	3/22	36	3/25	67.6	43.0	55.6	0	0	0	0	36.9	26.5	32.0	0	55	3/13	3.9

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_2024_v2.xlsx

Table 8: April Weather & Climate Summary Report (Water Year 2024)

Weather Station	Maximum Temp		Minimum Temp		Mean Max Temp	Mean Min Temp	Mean Temp	Days ≥ 90°F	Days ≥ 100°F	Days ≥ 110°F	Days ≤ 32°F	Mean Max Dewpoint	Mean Min Dewpoint	Mean Dewpoint	Days Mean Dewpoint ≥ 55°F	Peak Wind	Mean Wind		
	°F	Date	°F	Date	°F	°F	°F	Total	Total	Total	Total	°F	°F	°F	Total	MPH	Date	MPH	
Aguila VFD	94	4/22	34	4/7	79.5	48.9	65.7	3	0	0	0	36.4	26.0	31.0	0	24	4/25	4.0	
Bartlett Lake	96	4/22	41	4/6	81.7	52.2	67.5	7	0	0	0	41.4	28.2	34.6	0	26	4/26	3.5	
Belmont Mountains	96	4/22	40	4/6	81.7	56.5	70.5	7	0	0	0	36.7	25.8	31.6	0	47	4/5	3.8	
Buckeye FRS #1	99	4/22	43	4/7	85.1	54.4	71.2	12	0	0	0	41.9	20.5	32.7	0	31	4/8	4.1	
Camelback Rd. @ Loop 303	97	4/22	47	4/7	84.4	58.0	72.8	12	0	0	0	43.9	20.7	33.7	0	41	4/4	2.7	
Carefree Ranch	89	4/22	37	4/6	75.8	53.3	65.6	0	0	0	0	37.2	27.2	31.8	0	24	4/26	4.4	
City of Glendale	97	4/22	48	4/7	84.7	59.0	72.7	12	0	0	0	41.4	29.6	35.9	0	22	4/5	4.4	
Crossroads Park	98	4/22	44	4/7	83.4	55.6	70.7	9	0	0	0	45.8	30.4	36.5	0	25	4/26	2.8	
Desert Mountain School	94	4/22	41	4/6	80.1	51.0	67.2	3	0	0	0	38.1	29.1	33.6	0	21	4/26	3.0	
Durango Complex	99	4/22	48	4/6	84.8	60.4	73.5	12	0	0	0	42.6	22.5	33.6	0	26	4/26	2.8	
EMF @ Arizona Ave.	99	4/22	42	4/7	85.7	53.0	70.8	12	0	0	0	39.2	22.9	32.3	0	41	4/26	4.1	
Estrella Fan	98	4/22	43	4/6	84.5	58.5	72.8	12	0	0	0	36.1	27.1	31.5	0	21	4/26	1.4	
Fountain Hills Fire Dept.	99	4/22	44	4/7	84.7	56.3	71.5	12	0	0	0	43.3	26.7	35.8	0	N/A	N/A	N/A	
G & F Woolsey Peak	85	4/22	47	4/6	74.8	61.4	67.9	0	0	0	0	34.5	20.5	27.9	0	N/A	N/A	N/A	
GateWay Community College	99	4/22	48	4/7	84.9	60.7	73.5	12	0	0	0	38.7	27.9	34.1	0	30	4/23	3.2	
Gila Bend Landfill	100	4/22	44	4/7	87	55	72	15	2	0	0	41	26	34	0	32	4/26	4.8	
Gila Bend Mountains	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	29	4/11	3.1	
Horseshoe Lake	97	4/22	41	4/7	82.8	52.7	68.3	7	0	0	0	42.7	31.4	36.3	0	23	4/5	3.2	
Horsethief Basin	78	4/22	25	4/6	63.3	46.6	54.0	0	0	0	2	30.0	19.1	24.2	0	38	4/26	6.4	
Humboldt Mountain	81	4/22	33	4/6	68.1	52.4	59.5	0	0	0	0	32.8	N/A	21.9	26.7	0	N/A	N/A	N/A
Jefferson Park	97	4/22	44	4/7	83.8	57.3	71.6	11	0	0	0	41.6	30.6	36.4	0	25	4/1	1.8	
Jomax Rd. @ 70th St.	95	4/22	41	4/6	80.8	54.2	68.1	4	0	0	0	39.9	31.4	35.4	0	20	4/26	2.5	
Kleinman Park	98	4/22	48	4/7	84.9	58.1	72.0	12	0	0	0	38.9	27.6	33.6	0	25	4/13	2.0	
Lake Pleasant	96	4/22	43	4/6	82.2	58.5	70.6	7	0	0	0	50.4	24.6	35.6	0	33	4/19	6.0	
Lake Pleasant North	95	4/22	46	4/6	80.5	58.5	69.4	3	0	0	0	49.1	21.2	35.6	0	24	4/26	4.3	
Magma FRS	99	4/22	43	4/7	86.0	55.2	71.3	13	0	0	0	41.1	11.9	29.4	0	25	4/26	4.6	
McMicken Dam	98	4/21	43	4/7	84.4	55.8	71.7	11	0	0	0	41.3	23.7	33.2	0	35	4/26	5.3	
Mobile	99	4/22	37	4/7	85.3	51.6	70.2	12	0	0	0	39.8	29.2	34.7	0	41	4/26	4.7	
Mt. Union	69	4/21	18	4/6	54.9	38.6	45.9	0	0	0	10	26.0	15.6	20.8	0	N/A	N/A	N/A	
Osborn Rd. @ 64th St.	98	4/22	44	4/7	84.1	56.0	71.0	12	0	0	0	37.7	25.6	31.8	0	21	4/27	2.0	
Phoenix Dam 2B	96	4/22	44	4/7	82.5	55.2	70.5	6	0	0	0	43.1	30.0	36.7	0	29	4/5	3.3	
Rackensack Canyon	83	4/22	35	4/1	69.1	54.1	61.8	0	0	0	0	34.7	24.1	29.1	0	26	4/26	7.3	
Saguaro Lake	99	4/22	46	4/7	87.5	55.4	72.1	14	0	0	0	48.4	20.1	34.9	0	19	4/26	3.8	
South Mountain Fan	101	4/22	47	4/6	86.3	60.5	74.6	12	2	0	0	40.8	29.4	35.2	0	25	4/5	3.1	
South Mountain Park	94	4/22	43	4/1	79.8	60.9	70.5	3	0	0	0	34.8	25.2	30.2	0	27	4/26	1.4	
Sycamore Creek - Upper	76	4/22	28	4/6	63.7	48.1	55.5	0	0	0	1	27.3	10.7	20.3	0	45	45408	5	
Thompson Peak	88	4/22	40	4/6	74.7	56.8	65.6	0	0	0	0	37.7	N/A	26.5	32.1	0	N/A	N/A	N/A
Tiger Wash Fan	95	4/22	41	4/7	81.7	53.0	68.4	5	0	0	0	36.9	25.4	31.3	0	23	4/8	4.5	
Usery Park WS	96	4/22	43	4/6	82.2	57.7	70.9	7	0	0	0	39.0	27.1	33.2	0	37	4/30	1.9	
Wickenburg Airport	92	4/22	36	4/7	78.7	48.7	65.3	2	0	0	0	38.0	26.0	32.2	0	32	4/26	4.8	

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_2024_v2.xlsx

Table 9: May Weather & Climate Summary Report (Water Year 2024)

Weather Station	Maximum Temp		Minimum Temp		Mean Max Temp	Mean Min Temp	Mean Temp	Days ≥ 90°F	Days ≥ 100°F	Days ≥ 110°F	Days ≤ 32°F	Mean Max Dewpoint	Mean Min Dewpoint	Mean Dewpoint	Days Mean Dewpoint ≥ 55°F	Peak Wind	Mean Wind	
	*F	Date	*F	Date	*F	*F	*F	Total	Total	Total	Total	*F	*F	*F	Total	MPH	Date	MPH
Aguila VFD	98	5/31	46	5/7	89.5	56.7	75.9	17	0	0	0	36.7	24.1	30.5	0	28	5/15	4.2
Bartlett Lake	102	5/28	51	5/7	91.2	60.4	77.5	18	3	0	0	41.3	25.7	32.5	0	26	5/5	3.3
Belmont Mountains	101	5/31	53	5/9	91.6	65.6	80.6	19	3	0	0	36.0	24.6	30.5	0	35	5/5	5.0
Buckeye FRS #1	106	5/31	51	5/9	95.8	63.4	82.1	28	9	0	0	34.2	4.2	22.0	0	32	5/8	4.8
Camelback Rd. @ Loop 303	104	5/31	57	5/7	94.1	68.5	83.2	26	6	0	0	39.0	12.4	27.3	0	35	5/5	4.0
Carefree Ranch	96	5/28	49	5/6	84.9	60.8	74.9	7	0	0	0	38.6	26.8	32.3	0	26	5/5	4.3
City of Glendale	105	5/31	59	5/7	95.5	70.0	84.1	27	8	0	0	39.8	19.9	30.3	0	21	5/20	3.8
Crossroads Park	104	5/31	56	5/6	95.0	66.4	82.3	26	7	0	0	48.7	30.0	36.5	0	31	5/20	2.5
Desert Mountain School	99	5/31	50	5/10	89.5	58.9	76.8	16	0	0	0	37.7	27.5	32.7	0	22	5/5	3.2
Durango Complex	105	5/31	60	5/6	94.7	70.6	83.8	27	7	0	0	40.1	17.3	29.7	0	23	5/20	3.0
EMF @ Arizona Ave.	104	5/31	52	5/7	95.8	61.7	81.2	28	8	0	0	35.1	12.6	25.5	0	41	5/20	4.5
Estrella Fan	105	5/31	60	5/6	93.5	69.9	83.1	25	5	0	0	35.2	25.3	30.7	0	25	5/15	2.4
Fountain Hills Fire Dept.	105	5/31	55	5/9	94.5	65.1	81.9	25	7	0	0	42.3	22.9	32.5	0	N/A	N/A	N/A
G & F Woolsey Peak	90	5/31	58	5/6	82.5	69.3	75.9	1	0	0	0	31.4	17.5	24.8	0	N/A	N/A	N/A
GateWay Community College	104	5/31	61	5/6	94.2	70.0	83.5	24	6	0	0	38.0	24.7	31.9	0	23	5/5	3.3
Gila Bend Landfill	107	5/31	53	5/6	97	64	82	28	10	0	0	38	23	30	0	30	5/19	5.3
Gila Bend Mountains	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	27	5/5	2.3
Horseshoe Lake	103	5/28	53	5/6	92.6	61.6	78.4	21	4	0	0	44.4	29.2	35.3	0	19	5/25	3.3
Horsethief Basin	83	5/31	42	5/6	72.1	56.3	63.5	0	0	0	0	32.1	21.7	26.6	0	40	5/5	7.2
Humboldt Mountain	88	5/31	49	5/6	77.7	61.1	68.7	0	0	0	0	31.6	21.5	26.7	0	N/A	N/A	N/A
Jefferson Park	101	5/28	58	5/7	92.5	68.4	81.4	23	2	0	0	43.1	31.0	36.4	0	32	5/20	1.9
Jomax Rd. @ 70th St.	100	5/31	51	5/6	90.2	62.5	77.6	17	2	0	0	40.5	27.5	35.5	0	16	5/5	2.6
Kleinman Park	103	5/31	58	5/7	93.7	67.2	81.5	26	6	0	0	40.0	26.6	32.8	0	19	5/18	2.0
Lake Pleasant	103	5/31	59	5/6	92.1	68.0	80.8	19	3	0	0	52.8	21.8	32.9	0	30	5/5	5.9
Lake Pleasant North	99	5/31	59	5/6	89.5	67.8	79.0	17	0	0	0	55.7	21.5	37.6	0	23	5/5	4.4
Magma FRS	100	5/31	54	5/7	92.6	61.4	78.2	28	1	0	0	35.8	18.9	26.9	0	29	5/20	4.5
McMicken Dam	103	5/31	55	5/9	94.1	65.7	82.1	25	6	0	0	36.6	18.4	28.3	0	31	5/5	6.2
Mobile	107	5/31	52	5/7	96.0	62.3	82.0	28	8	0	0	38.3	25.9	32.5	0	30	5/18	5.2
Mt. Union	75	5/31	34	5/6	63.9	47.6	54.9	0	0	0	0	28.5	18.9	23.8	0	N/A	N/A	N/A
Osborn Rd. @ 64th St.	105	5/31	56	5/7	94.1	65.6	81.2	24	7	0	0	39.2	25.3	31.9	0	23	5/22	2.0
Phoenix Dam 2B	103	5/28	53	5/6	92.0	65.5	80.9	20	3	0	0	41.9	28.6	35.0	0	22	5/20	4.2
Rackensack Canyon	89	5/31	50	5/6	78.5	63.6	71.6	0	0	0	0	34.0	22.5	28.3	0	36	5/5	7.9
Saguaro Lake	105	5/31	53	5/7	94.5	62.2	79.8	25	6	0	0	51.1	22.5	33.2	0	22	5/20	2.3
South Mountain Fan	107	5/31	65	5/7	96.9	72.6	86.1	28	10	0	0	40.4	28.3	34.3	0	25	5/5	3.2
South Mountain Park	100	5/31	58	5/6	90.2	71.4	80.8	16	1	0	0	35.1	24.8	30.2	0	30	5/20	1.7
Sycamore Creek - Upper	83	5/31	45	5/6	72.5	57.1	64.6	0	0	0	0	26.9	4.8	16.7	0	34	45432	7
Thompson Peak	93	5/31	53	5/6	83.1	66.0	74.3	4	0	0	0	36.4	25.9	31.2	0	N/A	N/A	N/A
Tiger Wash Fan	100	5/31	47	5/6	91.3	61.0	78.3	19	2	0	0	34.6	22.7	28.9	0	25	5/5	4.5
Usery Park WS	102	5/31	54	5/6	92.1	69.0	81.6	21	3	0	0	34.2	20.5	27.8	0	32	5/7	2.7
Wickenburg Airport	99	5/28	46	5/6	88.6	57.2	75.8	15	0	0	0	34.6	23.4	29.1	0	27	5/7	4.8

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_2024_v2.xlsx

Table 10: June Weather & Climate Summary Report (Water Year 2024)

Weather Station	Maximum Temp		Minimum Temp		Mean Max Temp	Mean Min Temp	Mean Temp	Days ≥ 90°F	Days ≥ 100°F	Days ≥ 110°F	Days ≤ 32°F	Mean Max Dewpoint	Mean Min Dewpoint	Mean Dewpoint	Days Mean Dewpoint ≥ 55°F	Peak Wind	Mean Wind	
	°F	Date	°F	Date	°F	°F	°F	Total	Total	Total	Total	°F	°F	°F	Total	MPH	Date	MPH
Aguila VFD	108	6/21	62	6/1	102.3	70.8	88.6	30	23	0	0	50.8	37.9	44.0	8	36	6/24	4.3
Bartlett Lake	109	6/20	64	6/2	104.1	75.3	90.8	30	26	0	0	55.0	39.1	46.2	10	26	6/25	3.4
Belmont Mountains	109	6/21	70	6/2	104.6	78.6	92.9	30	26	0	0	50.4	38.4	44.7	9	30	6/2	4.9
Buckeye FRS #1	115	6/21	68	6/1	108.9	78.8	95.3	30	30	18	0	48.7	19.5	37.1	9	42	6/13	4.8
Camelback Rd. @ Loop 303	111	6/15	73	6/10	105.6	78.6	94.4	17	17	2	0	42.4	13.6	29.4	0	42	6/25	4.4
Carefree Ranch	103	6/21	66	6/3	98.0	73.5	87.3	30	12	0	0	51.0	40.0	45.5	10	23	6/24	4.4
City of Glendale	113	6/21	74	6/1	106.8	83.3	95.4	27	27	6	0	54.0	34.4	44.3	10	22	6/25	3.4
Crossroads Park	115	6/21	71	6/4	107.6	79.6	94.6	30	30	11	0	60.6	43.1	50.1	11	24	6/21	2.5
Desert Mountain School	110	6/21	63	6/1	102.7	73.9	90.2	30	22	1	0	50.6	40.8	46.1	10	30	6/25	3.5
Durango Complex	115	6/21	77	6/3	107.5	84.2	96.4	30	30	10	0	53.0	32.4	43.8	10	22	6/30	3.2
EMF @ Arizona Ave.	114	6/21	67	6/1	107.8	76.9	93.7	30	30	11	0	49.4	28.1	40.3	10	39	6/30	4.4
Estrella Fan	113	6/21	73	6/3	107.1	82.8	95.6	30	30	7	0	48.4	38.9	44.0	9	31	6/24	2.6
Fountain Hills Fire Dept.	114	6/21	70	6/3	107.8	80.1	95.3	30	30	10	0	56.4	38.5	46.8	10	N/A	N/A	N/A
G & F Woolsey Peak	97	6/21	73	6/4	92.6	78.0	85.0	25	0	0	0	42.6	29.3	36.2	1	N/A	N/A	N/A
GateWay Community College	114	6/21	75	6/1	107.1	83.5	95.9	30	30	7	0	50.7	38.1	45.1	10	33	6/24	3.2
Gila Bend Landfill	117	6/21	66	6/1	110	78	96	30	30	18	0	51	37	44	9	34	6/25	5.2
Gila Bend Mountains	112	6/21	74	6/19	108	83	95	24	24	9	0	55	41	49	9	38	6/25	1.8
Horseshoe Lake	112	6/6	67	6/3	105.8	75.9	91.4	30	29	6	0	57.0	42.2	48.8	10	32	6/30	3.5
Horsethief Basin	92	6/11	63	6/18	86.0	68.9	76.7	6	0	0	0	46.0	35.1	40.5	1	28	6/16	5.9
Humboldt Mountain	97	6/6	67	6/18	90.8	73.0	80.8	20	0	0	0	44.1	34.5	39.5	3	N/A	N/A	N/A
Jefferson Park	110	6/21	74	6/2	104.6	81.9	93.6	30	29	2	0	55.8	45.2	50.0	11	26	6/24	2.0
Jomax Rd. @ 70th St.	110	6/21	67	6/2	103.4	76.2	90.4	30	26	1	0	53.7	43.8	48.9	10	21	6/16	2.5
Kleinman Park	111	6/21	73	6/10	106.1	80.3	94.0	30	30	5	0	52.8	40.7	46.9	10	31	6/24	2.3
Lake Pleasant	112	6/6	72	6/2	105.3	80.4	93.6	30	28	2	0	65.9	36.1	46.6	10	29	6/25	5.6
Lake Pleasant North	107	6/21	71	6/2	101.8	79.3	90.7	30	22	0	0	67.7	36.1	51.3	10	39	6/25	4.1
Magma FRS	110	6/20	63	6/2	102.5	73.4	88.5	30	26	1	0	52.0	37.9	44.3	10	28	6/30	5.0
McMicken Dam	114	6/21	71	6/3	106.8	80.7	95.0	30	30	5	0	50.9	33.1	42.5	9	39	6/25	6.1
Mobile	116	6/21	67	6/1	108.7	77.1	94.8	30	30	15	0	52.3	40.6	46.7	10	25	6/26	4.8
Mt. Union	84	6/6	54	6/2	77.3	60.3	68.2	0	0	0	0	42.6	31.6	37.2	0	N/A	N/A	N/A
Osborn Rd. @ 64th St.	114	6/21	70	6/1	106.8	80.1	94.2	30	30	8	0	51.2	39.3	45.3	10	23	6/21	2.1
Phoenix Dam 2B	112	6/21	72	6/11	104.7	79.6	93.4	30	28	2	0	54.0	42.7	48.3	10	27	6/25	4.5
Rackensack Canyon	99	6/21	69	6/2	92.7	75.5	84.3	23	0	0	0	46.3	35.5	41.2	9	23	6/17	7.3
Saguaro Lake	113	6/20	66	6/1	107.0	78.4	93.0	23	23	6	0	65.0	40.4	50.2	10	22	6/24	2.8
South Mountain Fan	118	6/21	77	6/3	109.4	84.7	98.2	30	30	17	0	53.7	41.9	48.1	10	30	6/25	3.1
South Mountain Park	111	6/21	76	6/3	102.7	82.1	92.5	30	23	1	0	48.2	37.9	43.7	10	43	6/24	2.9
Sycamore Creek - Upper	92	6/6	62	6/2	86.3	69.8	77.3	5	0	0	0	39.2	16.9	29.9	0	44	45463	7
Thompson Peak	102	6/21	72	6/4	95.8	77.8	86.2	29	2	0	0	49.6	29.7	45.1	10	N/A	N/A	N/A
Tiger Wash Fan	110	6/21	66	6/1	103.9	74.7	90.7	30	24	1	0	49.4	35.9	42.6	8	52	6/13	4.4
Usery Park WS	111	6/20	75	6/10	105.1	82.2	94.2	30	28	2	0	48.1	34.4	42.1	10	21	6/20	3.4
Wickenburg Airport	107	6/21	61	6/1	102.0	72.1	89.0	30	23	0	0	49.2	36.4	42.8	9	27	6/25	4.6

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_2024_v2.xlsx

Table 11: July Weather & Climate Summary Report (Water Year 2024)

Weather Station	Maximum Temp		Minimum Temp		Mean Max Temp	Mean Min Temp	Mean Temp	Days ≥ 90°F	Days ≥ 100°F	Day ≥ 110°F	Days ≤ 32°F	Mean Max Dewpoint	Mean Min Dewpoint	Mean Dewpoint	Days Mean Dewpoint ≥ 55°F	Peak Wind	Mean Wind	
	°F	Date	°F	Date	°F	°F	°F	Total	Total	Total	Total	°F	°F	°F	Total	MPH	Date	MPH
Aguila VFD	115	7/5	74	7/30	108.1	78.7	94.6	31	31	10	0	59.9	45.8	53.0	15	27	7/21	4.3
Bartlett Lake	116	7/5	75	7/22	108.4	80.8	95.2	31	31	11	0	63.8	49.8	57.3	21	26	7/13	3.5
Belmont Mountains	115	7/8	78	7/29	109.6	83.9	97.3	31	31	16	0	63.2	47.6	56.1	21	41	7/25	5.5
Buckeye FRS #1	119	7/8	79	7/26	112.8	85.7	100.0	31	31	27	0	67.9	41.6	56.8	20	37	7/21	5.5
Camelback Rd. @ Loop 303	115	7/5	80	7/21	110.6	87.7	99.5	30	30	18	0	69.2	44.9	58.6	20	34	7/25	5.4
Carefree Ranch	108	7/5	70	7/16	102.1	78.0	90.9	31	27	0	0	60.9	49.2	55.6	21	40	7/21	4.4
City of Glendale	115	7/5	80	7/21	109.2	87.5	98.3	31	31	13	0	65.2	48.1	57.5	21	31	7/21	4.2
Crossroads Park	117	7/8	78	7/25	111.2	86.9	99.3	31	31	22	0	68.5	53.8	61.5	28	32	7/11	3.2
Desert Mountain School	113	7/5	75	7/22	106.7	80.8	94.9	31	31	5	0	61.9	50.7	57.0	22	32	7/21	3.7
Durango Complex	117	7/8	81	7/26	110.8	89.3	100.3	31	31	19	0	69.0	48.3	60.0	24	28	7/24	3.8
EMF @ Arizona Ave.	117	7/8	78	7/26	111.2	84.3	98.4	31	31	22	0	63.9	46.1	56.2	21	43	7/20	5.0
Estrella Fan	116	7/5	79	7/26	110.0	87.1	99.2	31	31	17	0	61.4	52.1	56.8	22	34	7/21	2.7
Fountain Hills Fire Dept.	118	7/5	78	7/26	110.5	85.9	99.0	31	31	20	0	67.3	50.8	59.5	25	N/A	N/A	N/A
G & F Woolsey Peak	100	7/8	72	7/25	95.3	80.2	87.5	31	2	0	0	55.9	38.9	48.5	4	N/A	N/A	N/A
GateWay Community College	117	7/5	79	7/14	110.3	88.9	99.8	31	31	19	0	63.1	50.9	58.0	24	32	7/25	4.0
Gila Bend Landfill	119	7/8	80	7/26	113	87	101	31	31	26	0	68	54	61	28	54	7/21	6.0
Gila Bend Mountains	117	7/5	79	7/26	111	85	98	31	31	19	0	69	53	61	28	46	7/21	2.3
Horseshoe Lake	116	7/11	76	7/27	110.4	81.1	96.2	28	27	19	0	65.5	50.6	57.9	22	37	7/26	3.4
Horsethief Basin	100	7/5	62	7/21	91.1	71.4	81.0	21	1	0	0	54.3	39.0	46.9	1	27	7/7	5.4
Humboldt Mountain	104	7/5	66	7/1	95.9	75.1	84.5	30	3	0	0	54.3	41.0	49.0	3	N/A	N/A	N/A
Jefferson Park	114	7/5	79	7/25	108.0	87.7	98.1	31	31	9	0	66.8	55.9	61.7	29	28	7/21	2.3
Jomax Rd. @ 70th St.	113	7/5	72	7/14	107.2	82.5	94.8	31	31	5	0	63.7	54.4	59.7	27	21	7/14	2.5
Kleinman Park	116	7/8	78	7/25	109.9	86.4	98.5	31	31	17	0	64.5	51.6	58.8	25	28	7/20	2.7
Lake Pleasant	116	7/5	74	7/21	109.7	85.5	97.7	31	31	17	0	73.5	43.9	58.4	21	42	7/21	5.9
Lake Pleasant North	113	7/5	77	7/14	106.3	84.6	95.2	31	31	4	0	73.1	45.9	60.6	26	46	7/21	4.5
Magma FRS	111	7/8	73	7/25	105.2	81.3	93.1	31	31	3	0	67.3	50.3	59.8	23	35	7/25	5.8
McMicken Dam	116	7/8	79	7/22	111.1	87.1	99.7	31	31	22	0	65.3	46.2	56.5	20	47	7/21	6.7
Mobile	118	7/5	77	7/25	111.2	85.4	99.5	31	31	22	0	65.5	55.2	60.6	29	66	7/14	5.6
Mt. Union	87	7/8	54	7/21	81.2	64.1	72.0	0	0	0	0	49.6	35.6	42.2	0	N/A	N/A	N/A
Osborn Rd. @ 64th St.	117	7/5	79	7/25	110.6	86.4	98.7	31	31	18	0	61.4	50.7	56.6	23	27	7/14	2.6
Phoenix Dam 2B	115	7/5	79	7/26	108.6	86.0	97.9	31	31	11	0	66.5	53.5	60.5	26	30	7/21	5.2
Rackensack Canyon	103	7/5	70	7/25	96.8	78.1	88.0	28	5	0	0	58.0	42.8	51.8	11	29	7/14	7.6
Saguaro Lake	117	7/5	79	7/25	110.5	86.4	98.3	31	31	19	0	73.0	49.6	59.9	25	29	7/11	2.5
South Mountain Fan	119	7/5	80	7/26	112.6	90.2	101.9	31	31	26	0	67.7	54.4	61.4	28	33	7/21	4.1
South Mountain Park	113	7/8	74	7/26	105.8	84.7	95.4	31	31	4	0	60.4	49.5	55.6	21	44	7/21	3.9
Sycamore Creek - Upper	96	7/9	63	7/21	90.5	71.1	80.8	18	0	0	0	52.1	29.7	42.1	1	38	45494	7
Thompson Peak	106	7/5	71	7/14	99.2	79.4	89.0	31	16	0	0	62.0	N/A	51.0	22	N/A	N/A	N/A
Tiger Wash Fan	114	7/8	77	7/29	109.1	82.5	96.6	31	31	15	0	59.8	44.5	53.0	15	25	7/21	4.5
Usery Park WS	114	7/8	76	7/25	108.3	86.1	97.0	31	31	9	0	63.8	48.9	57.5	22	30	7/11	3.5
Wickenburg Airport	114	7/8	74	7/30	107.0	79.5	94.3	31	31	6	0	61.2	44.0	52.5	15	37	7/21	4.8

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_2024_v2.xlsx

Table 12: August Weather & Climate Summary Report (Water Year 2024)

Weather Station	Maximum Temp		Minimum Temp		Mean Max Temp	Mean Min Temp	Mean Temp	Days ≥ 90°F	Days ≥ 100°F	Days ≥ 110°F	Days ≤ 32°F	Mean Max Dewpoint	Mean Min Dewpoint	Mean Dewpoint	Days Mean Dewpoint ≥ 55°F	Peak Wind	Mean Wind	
	°F	Date	°F	Date	°F	°F	°F	Total	Total	Total	Total	°F	°F	°F	Total	MPH	Date	MPH
Aguila VFD	110	8/4	66	8/26	102.3	77.1	90.7	29	21	1	0	59.3	49.3	54.2	18	43	8/6	3.9
Bartlett Lake	113	8/4	74	8/26	104.7	80.0	92.3	29	28	4	0	64.0	52.9	58.1	24	27	8/8	3.5
Belmont Mountains	112	8/4	75	8/18	104.6	82.8	94.2	29	27	2	0	61.8	50.7	56.4	20	31	8/20	4.7
Buckeye FRS #1	116	8/4	77	8/26	108.8	84.3	97.0	29	29	11	0	64.9	46.0	56.1	20	32	8/10	4.7
Camelback Rd. @ Loop 303	114	8/4	79	8/26	106.5	86.1	96.7	29	29	5	0	67.5	48.4	58.9	22	28	8/7	4.5
Carefree Ranch	106	8/4	72	8/18	98.6	77.9	88.4	31	13	0	0	59.8	51.7	55.7	22	24	8/8	4.1
City of Glendale	113	8/4	75	8/18	105.5	85.4	95.4	31	30	2	0	64.1	51.1	57.5	22	21	8/10	3.2
Crossroads Park	115	8/4	77	8/26	107.3	83.9	95.8	29	29	9	0	69.9	55.5	61.7	24	31	8/6	2.5
Desert Mountain School	110	8/4	73	8/26	102.9	80.3	92.1	31	26	1	0	60.5	52.9	56.7	23	32	8/31	3.4
Durango Complex	115	8/4	78	8/18	106.9	87.7	97.3	31	30	5	0	67.3	51.7	60.2	25	27	8/8	3.3
EMF @ Arizona Ave.	114	8/4	73	8/26	107.2	81.3	94.5	31	30	9	0	64.8	48.6	57.2	21	43	8/31	4.3
Estrella Fan	114	8/4	77	8/7	106.3	84.3	96.0	29	27	4	0	59.9	50.8	55.4	20	39	8/7	2.3
Fountain Hills Fire Dept.	111	8/4	72	8/18	102.9	80.6	91.7	29	25	1	0	63.7	50.8	57.4	21	N/A	N/A	N/A
G & F Woolsey Peak	98	8/4	71	8/18	92.5	78.6	85.3	25	0	0	0	54.6	40.2	47.7	6	N/A	N/A	N/A
GateWay Community College	114	8/4	78	8/18	106.8	87.0	96.8	31	30	7	0	62.7	53.3	58.2	25	29	8/8	3.5
Gila Bend Landfill	117	8/4	75	8/26	110	84	98	29	29	16	0	66	51	59	21	33	8/8	4.8
Gila Bend Mountains	114	8/4	75	8/9	107	84	96	29	29	9	0	66	53	60	22	39	8/7	2.5
Horseshoe Lake	112	8/20	72	8/10	105.2	79.0	92.0	29	29	4	0	63.6	53.9	58.1	24	23	8/28	3.2
Horsethief Basin	94	8/20	61	8/18	87.6	69.2	77.2	12	0	0	0	53.1	43.7	48.5	0	26	8/21	4.8
Humboldt Mountain	98	8/5	64	8/18	90.8	73.0	80.8	16	0	0	0	54.9	45.7	50.3	4	N/A	N/A	N/A
Jefferson Park	113	8/4	76	8/18	105.3	85.1	95.1	31	30	2	0	66.9	56.6	61.6	27	31	8/31	1.9
Jomax Rd. @ 70th St.	111	8/4	73	8/18	103.1	81.4	92.1	29	24	2	0	62.7	55.1	59.0	23	26	8/18	2.4
Kleinman Park	114	8/4	75	8/18	106.3	84.5	95.2	31	30	5	0	63.6	53.3	58.7	25	30	8/7	2.4
Lake Pleasant	113	8/4	74	8/18	105.8	85.1	94.9	31	30	4	0	72.4	49.5	60.1	26	35	8/8	5.4
Lake Pleasant North	111	8/4	74	8/18	102.9	84.5	93.1	29	20	1	0	72.0	51.0	61.0	24	43	8/8	4.5
Magma FRS	110	8/4	67	8/7	100.8	77.0	88.9	29	20	1	0	71.0	54.7	62.6	23	39	8/22	5.1
McMicken Dam	114	8/4	77	8/18	107.1	85.3	96.7	31	31	7	0	64.6	49.5	57.2	22	40	8/8	5.9
Mobile	114	8/4	72	8/26	107.3	81.4	95.0	29	29	7	0	66.7	55.4	60.8	23	42	8/22	4.5
Mt. Union	82	8/20	56	8/25	76.3	60.3	67.4	0	0	0	0	49.5	39.7	44.5	0	N/A	N/A	N/A
Osborn Rd. @ 64th St.	114	8/4	77	8/18	106.8	84.8	95.7	25	24	6	0	63.6	52.6	58.2	24	35	8/22	2.1
Phoenix Dam 2B	113	8/4	75	8/18	104.7	83.2	94.2	29	27	2	0	66.1	55.2	60.8	23	26	8/22	4.1
Rackensack Canyon	101	8/4	68	8/8	93.7	76.7	84.8	27	2	0	0	57.9	48.0	52.9	15	27	8/10	6.3
Saguaro Lake	114	8/4	77	8/18	106.8	84.2	94.9	29	28	9	0	71.9	53.2	61.0	25	25	8/22	2.6
South Mountain Fan	116	8/4	80	8/18	108.9	88.9	99.1	31	31	14	0	66.7	55.4	61.1	25	27	8/22	3.7
South Mountain Park	110	8/4	73	8/18	102.0	83.3	92.6	31	25	1	0	59.7	49.9	54.8	21	41	8/8	3.0
Sycamore Creek - Upper	93	8/3	63	8/28	86.9	69.4	77.3	10	0	0	0	52.9	39.8	46.4	1	37	45535	6
Thompson Peak	104	8/4	68	8/18	96.1	77.6	86.3	30	5	0	0	61.6	52.7	57.2	23	N/A	N/A	N/A
Tiger Wash Fan	112	8/4	71	8/26	104.5	80.5	93.0	29	26	2	0	59.7	47.9	53.9	17	28	8/24	4.3
Usery Park WS	112	8/4	74	8/18	104.6	83.9	94.3	31	27	2	0	63.1	51.8	57.4	22	31	8/22	3.1
Wickenburg Airport	107	8/20	69	8/26	102.1	77.7	90.8	29	23	0	0	60.4	48.7	54.3	18	33	8/30	4.4

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_2024_v2.xlsx

Table 13: September Weather & Climate Summary Report (Water Year 2024)

Weather Station	Maximum Temp		Minimum Temp		Mean Max Temp	Mean Min Temp	Mean Temp	Days ≥ 90°F	Days ≥ 100°F	Days ≥ 110°F	Days ≤ 32°F	Mean Max Dewpoint	Mean Min Dewpoint	Mean Dewpoint	Days Mean Dewpoint ≥ 55°F	Peak Wind	Mean Wind	
	°F	Date	°F	Date	°F	°F	°F	Total	Total	Total	Total	°F	°F	°F	Total	MPH	Date	MPH
Aguila VFD	110	9/5	55	9/18	99.5	68.9	85.0	26	19	1	0	49.2	35.3	42.1	0	26	9/7	3.9
Bartlett Lake	112	9/5	63	9/19	101.8	74.4	88.3	28	21	3	0	54.2	39.5	46.8	1	18	9/16	3.0
Belmont Mountains	112	9/5	63	9/18	101.8	77.6	90.3	26	21	4	0	50.3	35.8	43.5	1	31	9/27	4.2
Buckeye FRS #1	116	9/28	61	9/18	105.2	76.6	91.8	30	25	8	0	49.2	24.0	38.7	1	40	9/6	4.8
Camelback Rd. @ Loop 303	114	9/28	62	9/18	103.9	78.0	91.8	30	23	4	0	53.7	30.1	43.4	3	32	9/7	3.0
Carefree Ranch	107	9/5	60	9/21	95.9	74.6	85.6	24	11	0	0	49.6	38.5	44.5	0	21	9/7	4.6
City of Glendale	113	9/5	68	9/18	102.8	78.7	91.2	28	23	3	0	52.0	36.3	44.9	1	20	9/16	2.5
Crossroads Park	115	9/28	67	9/22	104.9	78.3	92.8	29	24	5	0	59.8	43.4	50.4	9	31	9/6	2.4
Desert Mountain School	110	9/28	59	9/18	99.6	71.9	87.3	26	19	2	0	51.0	39.1	45.7	1	27	9/7	2.9
Durango Complex	114	9/28	69	9/18	104.2	81.5	93.2	29	23	4	0	54.8	35.5	46.1	4	28	9/6	2.7
EMF @ Arizona Ave.	114	9/28	65	9/22	105.0	75.3	90.9	30	24	5	0	50.1	33.0	42.7	2	29	9/12	3.9
Estrella Fan	115	9/28	67	9/18	104.4	81.3	93.4	29	23	6	0	49.9	38.0	44.5	1	27	9/6	2.7
Fountain Hills Fire Dept.	110	9/28	63	9/18	100.3	75.3	88.0	28	19	2	0	50.6	35.9	44.0	1	N/A	N/A	N/A
G & F Woolsey Peak	98	9/28	65	9/21	90.3	76.5	83.2	20	0	0	0	45.1	27.5	36.6	0	N/A	N/A	N/A
GateWay Community College	114	9/28	72	9/22	104.4	82.2	93.3	29	23	5	0	51.8	39.3	46.3	2	31	9/1	3.2
Gila Bend Landfill	119	9/28	62	9/18	108	77	92	30	26	16	0	53	36	45	2	51	9/6	4.9
Gila Bend Mountains	114	9/28	68	9/21	103	81	92	29	23	6	0	55	38	46	3	38	9/7	4.5
Horseshoe Lake	111	9/28	62	9/19	102.6	72.2	88.0	29	23	2	0	55.6	40.0	47.5	1	23	9/7	2.7
Horsethief Basin	97	9/5	52	9/21	84.7	66.3	74.2	10	0	0	0	44.1	32.3	38.7	0	34	9/16	4.8
Humboldt Mountain	99	9/5	59	9/21	87.5	72.3	78.8	16	0	0	0	43.9	32.6	39.1	0	N/A	N/A	N/A
Jefferson Park	112	9/28	68	9/22	102.7	78.8	91.2	29	22	3	0	57.1	44.0	50.5	9	29	9/1	1.6
Jomax Rd. @ 70th St.	112	9/5	62	9/21	100.5	76.2	88.5	26	20	2	0	53.5	42.0	48.2	3	17	9/1	2.5
Kleinman Park	113	9/28	69	9/22	103.3	78.1	91.2	29	23	3	0	53.3	40.4	47.0	4	24	9/1	2.1
Lake Pleasant	113	9/5	69	9/21	102.4	79.6	90.9	28	21	3	0	64.3	33.2	46.8	2	33	9/16	6.1
Lake Pleasant North	109	9/28	68	9/21	99.9	78.6	89.2	26	18	0	0	62.6	34.8	47.4	3	38	9/7	4.3
Magma FRS	109	9/28	61	9/22	99.8	74.0	86.9	29	20	0	0	54.2	37.7	46.2	4	26	9/16	5.6
McMicken Dam	114	9/5	62	9/18	103.8	77.5	91.6	30	23	3	0	50.8	33.7	42.8	0	33	9/7	5.7
Mobile	115	9/28	63	9/22	105.2	75.1	90.9	30	24	7	0	54.0	39.3	47.3	4	29	9/7	4.6
Mt. Union	86	9/27	43	9/21	74.8	58.1	65.0	0	0	0	0	40.0	29.3	35.1	0	N/A	N/A	N/A
Osborn Rd. @ 64th St.	115	9/5	66	9/22	104.4	76.9	91.0	29	23	5	0	61.4	42.3	51.8	10	22	9/1	1.8
Phoenix Dam 2B	112	9/5	65	9/22	102.3	77.2	90.4	28	23	3	0	54.8	41.7	48.6	6	25	9/7	3.7
Rackensack Canyon	102	9/5	60	9/21	91.0	74.9	82.8	20	3	0	0	45.9	34.5	41.1	0	28	9/16	6.1
Saguaro Lake	114	9/28	66	9/22	104.9	76.5	89.9	29	23	7	0	65.1	39.4	51.0	9	30	9/1	2.2
South Mountain Fan	116	9/28	71	9/19	106.5	83.6	95.8	30	25	10	0	54.3	41.2	48.5	8	24	9/16	3.0
South Mountain Park	109	9/5	68	9/21	99.1	80.9	90.1	26	19	0	0	49.3	37.0	44.0	0	29	9/16	2.8
Sycamore Creek - Upper	94	9/5	54	9/21	83.7	67.5	74.9	6	0	0	0	38.6	21.2	31.7	0	37	45541	8
Thompson Peak	105	9/5	62	9/21	94.2	76.1	84.6	23	4	0	0	50.2	38.8	45.4	1	N/A	N/A	N/A
Tiger Wash Fan	111	9/5	59	9/18	99.8	74.4	87.3	21	15	1	0	49.0	34.4	42.0	0	27	9/7	4.5
Usery Park WS	113	9/5	69	9/21	102.3	81.0	92.0	29	22	2	0	51.0	36.7	44.3	3	26	9/1	3.1
Wickenburg Airport	109	9/5	56	9/18	98.8	70.8	85.9	25	18	0	0	48.2	34.1	41.6	0	31	9/7	4.8

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_2024_v2.xlsx

ALERT Weather Station Meta Data

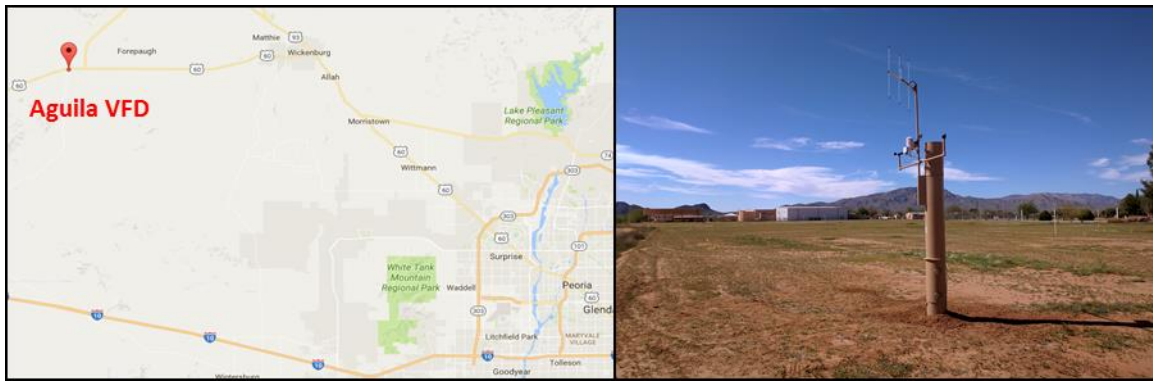
Aguila VFD Weather Station Meta Data Summary



Aguila, Arizona

Date of Station Installation: 09/01/2001

Weather Sensor Installation: 03/26/2015



State: Arizona

County: Maricopa

Latitude: 33° 56' 27.4" (33.9409)

Longitude: 113° 10' 19.8" (-113.1721)

TRS: T7N-R9W-Section 22

Location: Located behind Aguila VFD in field

Time Zone: MST – all year

Data Repeater: Yarnell Hill

Elevation: 2,170 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 22

Archived: Yes, from date of sensor installation

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

Obstructions: No obstructions

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

Detailed Sensor Data

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



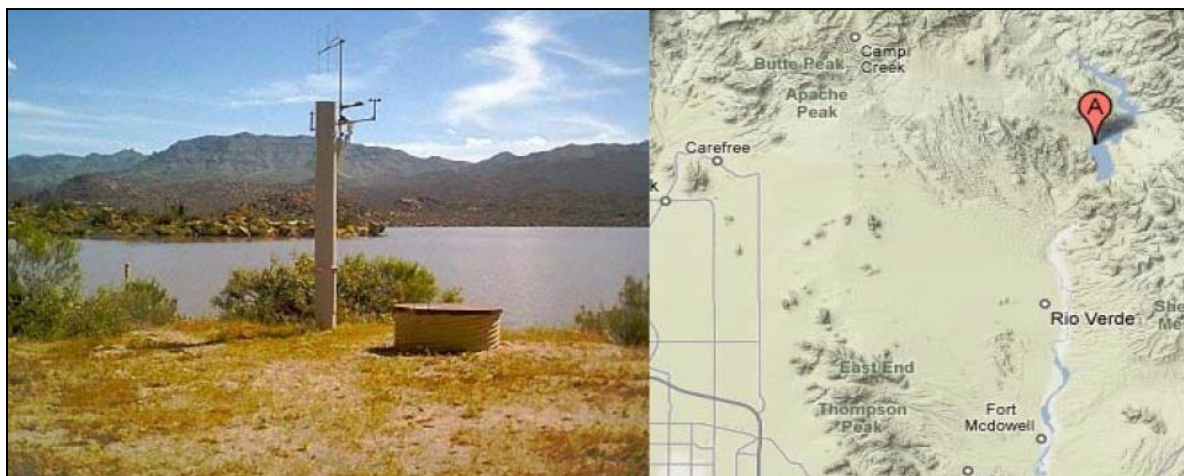
Bartlett Lake Weather Station

Meta Data Summary

Bartlett Lake, Arizona

Date of Station Installation: 08/31/2000

Weather Sensor Installation: 08/31/2000



State: Arizona

County: Maricopa

Latitude: 33° 50' 20.2" (33.83894)

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

TRS: T6N-R7E-Section 28

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

Time Zone: MST – all year

Data Repeater: Mt. Ord

Elevation: 1,825 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 24

Archived: Yes, from date of installation

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

Obstructions: No Obstructions

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

Detailed Sensor Data

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

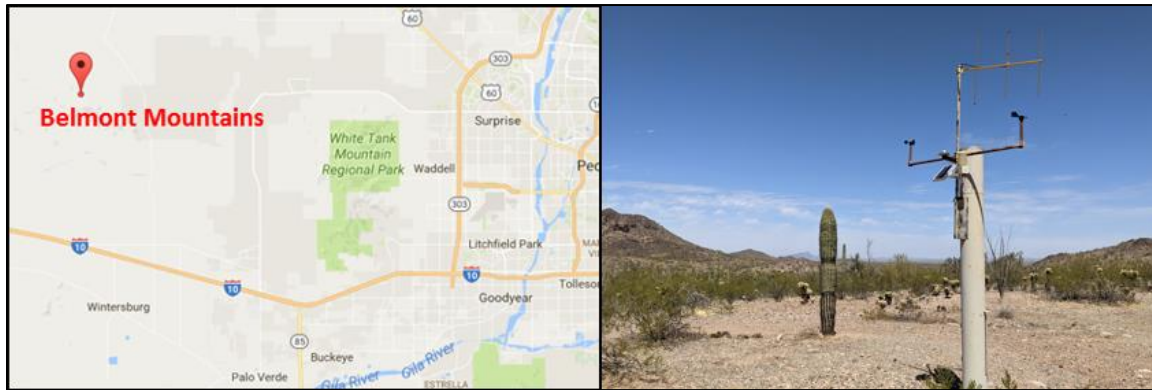


Belmont Mountains Weather Station Meta Data Summary

Wickenburg, Arizona

Date of Station Installation: 11/27/2002

Weather Sensor Installation: 03/20/2007



State: Arizona

County: Maricopa

Latitude: 33° 39' 26.7" (33.65741)

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

TRS: T4N-R6W-Section 30

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

Time Zone: MST – all year

Data Repeater: White Tank Peak

Elevation: 1,865 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 22

Archived: Yes, from date of sensor installation

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

Obstructions: No Obstructions

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

Detailed Sensor Data

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

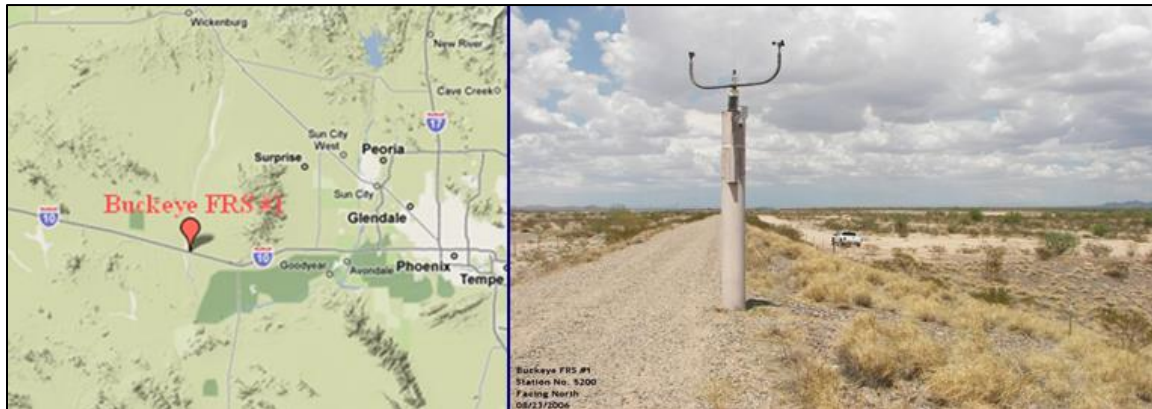


Buckeye FRS #1 Weather Station Meta Data Summary

Buckeye, Arizona

Date of Station Installation: 07/26/1983

Weather Sensor Installation: 02/11/1997



State: Arizona

County: Maricopa

Latitude: 33° 27' 21.8" (33.45606)

Longitude: 112° 44' 53.6" (-112.7482)

TRS: T1N-R5W-Section 03

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

Time Zone: MST – all year

Data Repeater: White Tank Peak

Elevation: 1,075 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 22

Archived: Yes, from date of installation

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

Obstructions: No Obstructions

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

Detailed Sensor Data

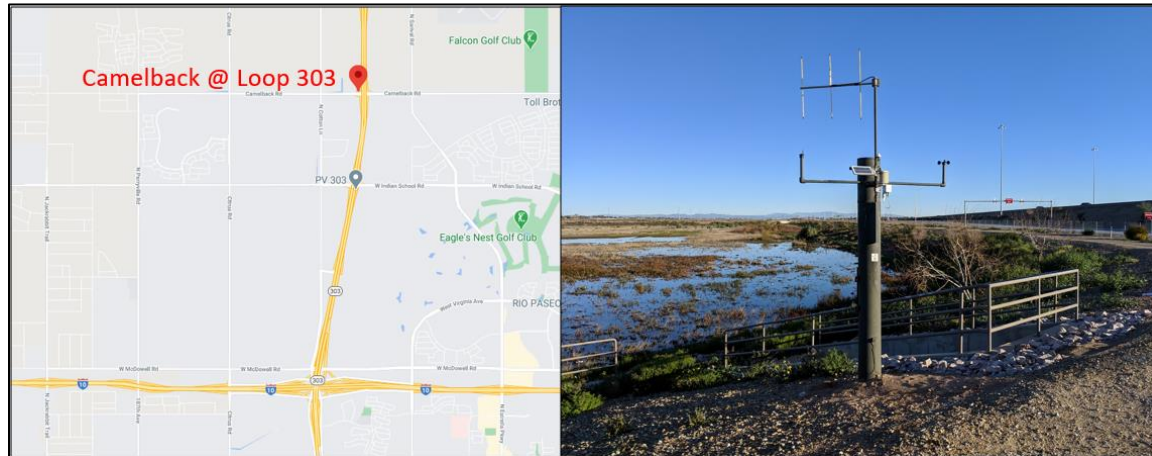
Sensor	ID #	Data Begins	Type	Manufacturer	Model	Height AGL (ft)	Units	Frequency of Data
Rain	4400 0	09/28/92 10/01/87- 09/28/92 Prior to 10/01/87	Tipping Bucket	Hydrolynx	5050P	9.7	mm	Variable
Temperature	4400 1	03/01/97	Transducer, Radiation Shield	Hydrolynx	2048, 4550	10.1	deg F/C	15 minutes
Relative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

Camelback at Loop 303 Weather Station Meta Data Summary

Goodyear, Arizona

Date of Station Installation: 05/10/2012

Weather Sensor Installation: 01/22/2015



State: Arizona

County: Maricopa

Latitude: 33° 30' 30.8" (33.50855)

Longitude: 112° 25' 11.4" (-112.41983)

TRS: T2N-R2W-Section 22

Location: Camelback Rd just west of Loop 303

Time Zone: MST – all year

Data Repeater: White Tank Peak

Elevation: 1,065 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 23

Archived: Yes, from date of sensor installation

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

Obstructions: No obstructions

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

Detailed Sensor Data

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



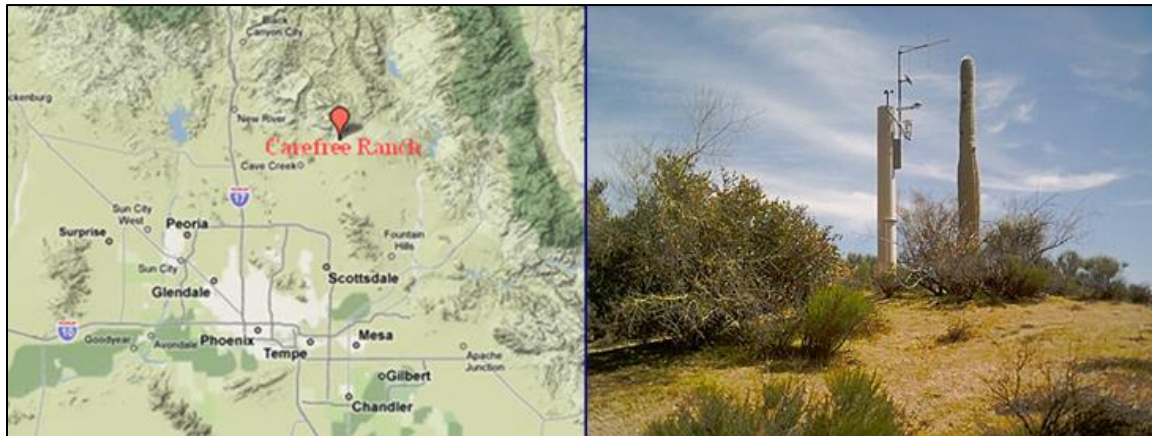
Carefree Ranch Weather Station

Meta Data Summary

Carefree, Arizona

Date of Station Installation: 07/15/1985

Weather Sensor Installation: 11/02/1987



State: Arizona

County: Maricopa

Latitude: 33° 51' 08.3" (33.8523)

Longitude: 111° 51' 49.1" (-111.8635)

TRS: T6N-R5E-Section 20

Location: 2.5 mi. NE of Sky Ranch Airport

Time Zone: MST – all year

Data Repeater: Direct

Elevation: 2,980 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 24

Archived: Yes, from date of sensor installation

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

Obstructions: None

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

Detailed Sensor Data

Sensor	ID #	Data Begins	Type	Manufacturer	Model	Height AGL (ft)	Units	Frequency of Data
Rain	21000	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/sq m	30 minutes



City of Glendale Weather Station Meta Data Summary

Glendale, Arizona

Date of Station Installation: 07/06/1989

Weather Sensor Installation: 12/19/1995



State: Arizona

County: Maricopa

Latitude: 33° 32' 37.0" (33.5436)

Longitude: 112° 11' 36.8" (-112.1936)

TRS: T2N-R2E-Section 06

Location: Grand Avenue at 63rd Avenue

Time Zone: MST – all year

Data Repeater: Direct

Elevation: 1,140 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 23

Archived: Yes, from date of sensor installation

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

Obstructions: No Obstructions

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

Detailed Sensor Data

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



Crossroads Park Weather Station Meta Data Summary

Gilbert, Arizona

Date of Station Installation: 12/18/1995

Weather Sensor Installation: 12/18/1995



State: Arizona

County: Maricopa

Latitude: 33° 19' 39.7" (33.3277)

Longitude: 111° 44' 47.9" (-111.746)

TRS: T1S-R6E-Section 21

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

Time Zone: MST – all year

Data Repeater: Thompson Peak

Elevation: 1,265 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 23

Archived: Yes, from date of sensor installation

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

Obstructions: No Obstructions

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

Detailed Sensor Data

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

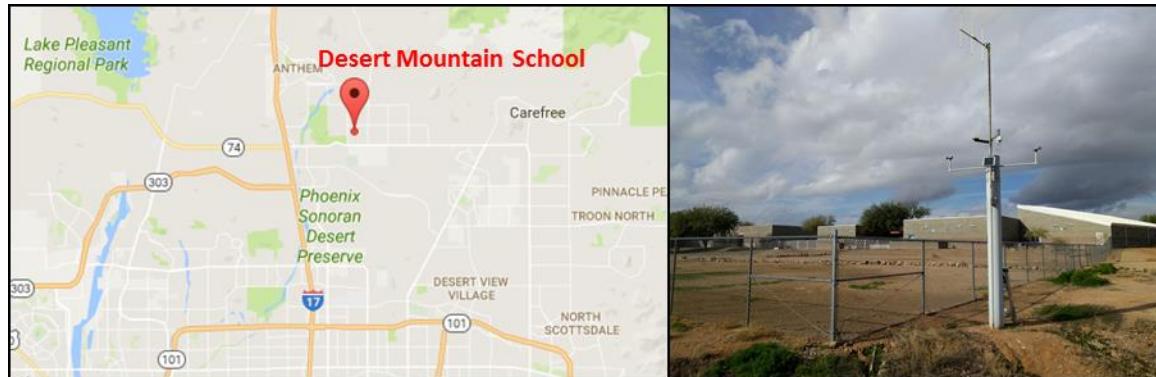


Desert Mountain School Weather Station Meta Data Summary

Phoenix, Arizona

Date of Station Installation: 07/19/2006

Weather Sensor Installation: 07/19/2006



State: Arizona

County: Maricopa

Latitude: 33° 48' 33.6" (33.8093)

Longitude: 112° 04' 37.8" (-112.0771)

TRS: T5N-R3E-Section 5

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

Time Zone: MST – all year

Data Repeater: Direct

Elevation: 1,810 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 23

Archived: Yes, from date of installation

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

Obstructions: No Obstructions

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

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



Durango Complex Weather Station Meta Data Summary

Phoenix, Arizona

Date of Station Installation: 06/23/1980

Weather Sensor Installation: 10/04/1991



State: Arizona

County: Maricopa

Latitude: 33° 25' 37.0" (33.4269)

Longitude: 112° 07' 11.3" (-112.1198)

TRS: T1N-R2E-Section 14

Location: 27th Ave. and Durango St.

Time Zone: MST – all year

Data Repeater: Direct

Elevation: 1,045 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 23

Archived: Yes, from date of sensor installation

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

Obstructions: No Obstructions

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

Detailed Sensor Data

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



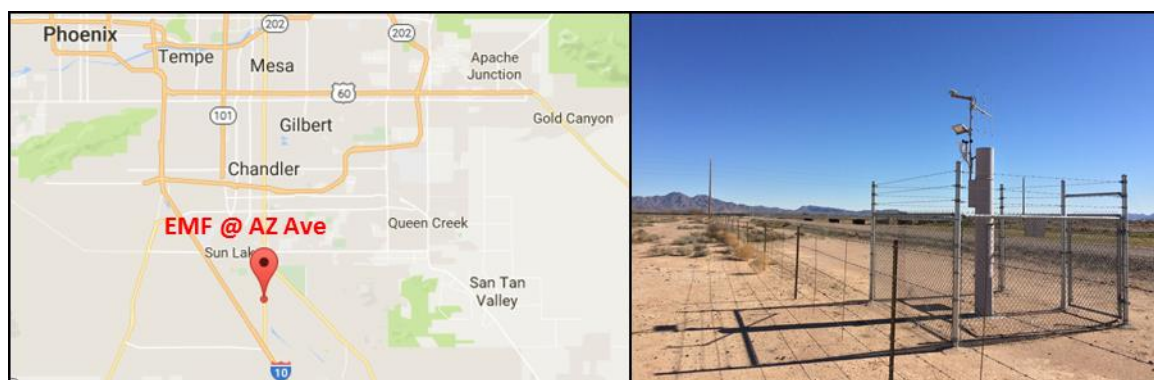
EMF @ Arizona Ave Weather Station

Meta Data Summary

Gila River, Arizona

Date of Station Installation: 06/06/2012

Weather Sensor Installation: 06/06/2012



State: Arizona

County: Pinal

Latitude: 33° 10' 09.6" (33.1693)

Longitude: 111° 50' 33.3" (-111.8425)

TRS: T3S-R5E-Section 15

Location: Arizona Ave and Hwy 587 at EMF

Time Zone: MST – all year

Data Repeater: Sacaton Peak

Elevation: 1,215 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 23

Archived: Yes, from date of sensor installation

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

Obstructions: No Obstructions

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

Detailed Sensor Data

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



Estrella Fan Weather Station Meta Data Summary

Avondale, Arizona

Date of Station Installation: 11/12/1992

Weather Sensor Installation: 12/02/1992



State: Arizona

County: Maricopa

Latitude: 33° 16' 10.1" (33.2695)

Longitude: 112° 19' 15.3" (-112.3209)

TRS: T2S-R1W-Section 12

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

Time Zone: MST – all year

Data Repeater: Waterman Wash

Elevation: 1,450 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 23

Archived: Yes, from date of sensor installation

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

Obstructions: No Obstructions

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

Detailed Sensor Data

Sensor	ID #	Data Begins	Type	Manufacturer	Model	Height AGL (ft)	Units	Frequency of Data
Rain	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/sq m	30 minutes
Barometric Pressure	84203	03/09/94	Solid state	Hydrolynx	1522	4.2	mb, inHg	30 minutes

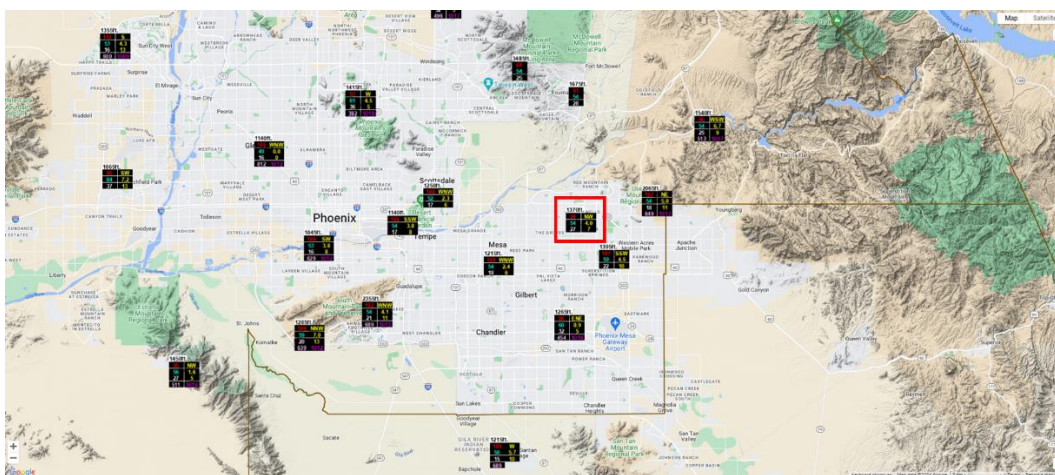


Falcon Field Weather Station Metadata Summary

Mesa, Arizona

Date of Station Installation: 08/08/2024

Weather Sensor Installation: 08/08/2024



State: Arizona

County: Maricopa

Latitude: 33° 27' 16.5" (33.45460)

Longitude: 111° 43' 45.5" (111.72931)

TRS: T1N-R6E-Section 03

Location: Falcon Field Airport (Falcon Field Park)

Time Zone: MST – all year

Data Repeater: Direct

Elevation: 1,370 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 548 (East Valley)

Archived: Yes, from date of sensor installation

Site Description: Flat on elevated concrete island on asphalt parking lot, Soil type – no dirt/vegetation

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
Temperature	34001	08/08/2024	Transducer, Radiation Shield	Vaisala	HMP155	9.3	deg F/C	15 minutes
Relative Humidity	34002	08/08/2024	Polymer film, Radiation Shield	Vaisala	HMP155	9.3	%	15 minutes
Dewpoint (calculated)	34016	08/08/2024	---	---	---	---	deg F	15 minutes
Wind Speed	34004	08/08/2024	Mechanical Wind Sensors	RM Young	5103	13.3	mph	15 minutes
Wind Direction	34005	08/08/2024	Mechanical Wind Sensors	RM Young	5103	13.3	deg	15 minutes
Peak Wind	34006	08/08/2024	---	---	---	---	mph	15 minutes



Fountain Hills Fire Station Weather Station Meta Data Summary

Fountain Hills, Arizona

Date of Station Installation: 12/09/1993

Weather Sensor Installation: 07/23/1997



State: Arizona

County: Maricopa

Latitude: 33 36' 40.0" (33.6111)

Longitude: 111 43' 30.6" (-111.7251)

TRS: T3N-R6E-Section 15

Location: At Palisades Blvd. Fire Station

Time Zone: MST – all year

Data Repeater: Mt. Ord

Elevation: 1,675 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 23

Archived: Yes, from date of sensor installation

Site Description: flat ground, Soil type – dirt

Obstructions: Structure 25' to NNW of station

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

Detailed Sensor Data

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



G&F Woolsey Peak Weather Station

Meta Data Summary

Arlington, Arizona

Date of Station Installation: 06/25/2003

Weather Sensor Installation: 06/25/2003



State: Arizona

County: Maricopa

Latitude: 33 10' 23.7" (33.1733)

Longitude: 112 52' 50.5" (-112.8807)

TRS: T3S-R6W-Section 9

Location: 8 miles southwest of Gillespie Dam

Time Zone: MST – all year

Data Repeater: White Tank Peak

Elevation: 2,005 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 27

Archived: Yes, from date of sensor installation

Site Description: fairly flat ground, Soil type –rock

Obstructions: Rock wall 10' to E of station

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

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



Gateway Community College Weather Station Meta Data Summary

Phoenix, Arizona

Date of Station Installation: 12/16/2003

Weather Sensor Installation: 09/10/2004



State: Arizona

County: Maricopa

Latitude: 33 27' 03.7" (33.4510)

Longitude: 111 59' 44.0" (-111.9955)

TRS: T1N-R3E-Section 12

Location: 40th St at Van Buren

Time Zone: MST – all year

Data Repeater: Thompson Peak

Elevation: 1,140 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 23

Archived: Yes, from date of sensor installation

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

Obstructions: No obstructions

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

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



Gila Bend Landfill Weather Station Meta Data Summary

Gila Bend, Arizona

Date of Station Installation: 04/07/1993

Weather Sensor Installation: 01/17/2002



State: Arizona

County: Maricopa

Latitude: 32° 59' 21.5" (32.9893)

Longitude: 112° 40' 30.5" (-112.6751)

TRS: T5S-R4W-Section 16

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

Time Zone: MST – all year

Data Repeater: Waterman Wash

Elevation: 735 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 27

Archived: Yes, from date of sensor installation

Site Description: flat ground, Soil type – dirt

Obstructions: No Obstructions

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

Detailed Sensor Data

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



Gila Bend Mountains Weather Station

Meta Data Summary

Gila Bend, Arizona

Date of Station Installation: 06/01/1988

Weather Sensor Installation: 06/01/1988



State: Arizona

County: Maricopa

Latitude: 33° 14' 29.0" (33.2414)

Longitude: 113° 12' 18.1" (-113.2050)

TRS: T2S-R9W-Section 17

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

Time Zone: MST – all year

Data Repeater: Mt. Oatman

Elevation: 1,575 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 27

Archived: Yes, from date of sensor installation

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

Obstructions: No Obstructions

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

Detailed Sensor Data

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



Horseshoe Lake Weather Station Meta Data Summary

Horseshoe Lake, Arizona

Date of Station Installation: 09/06/2000

Weather Sensor Installation: 09/06/2000



State: Arizona

County: Maricopa

Latitude: 33° 59' 08.4" (33.9857)

Longitude: 111° 43' 15.5" (-111.7210)

TRS: T7N-R6E-Section 09

Location: Horseshoe Lake – SW corner near boat ramp

Time Zone: MST – all year

Data Repeater: Humboldt Mountain

Elevation: 2,065 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 24

Archived: Yes, from date of sensor installation

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

Obstructions: No Obstructions

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

Detailed Sensor Data

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

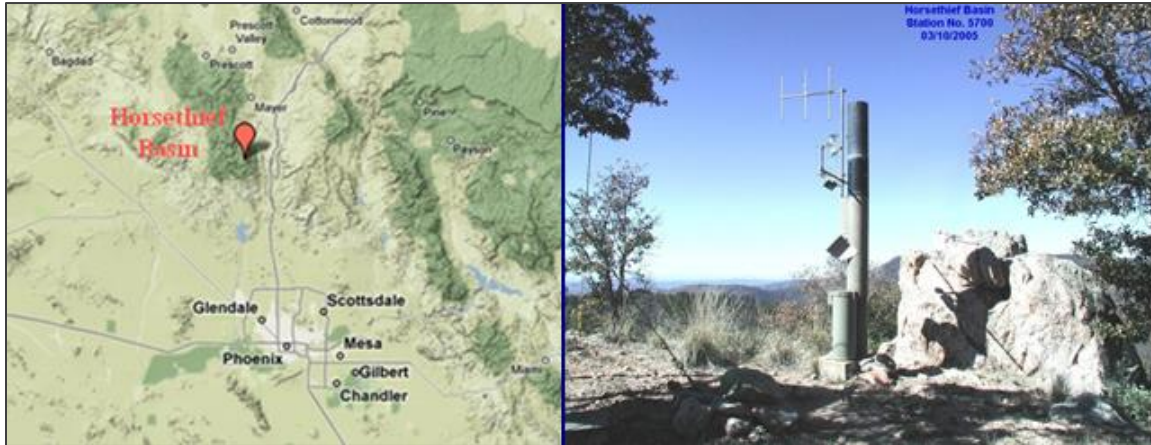


Horsethief Basin Weather Station Meta Data Summary

Crown King, Arizona

Date of Station Installation: 11/24/1986

Weather Sensor Installation: 12/21/1987



State: Arizona

County: Yavapai

Latitude: 34° 09' 44.6" (34.1624)

Longitude: 112° 16' 14.1" (-112.2705)

TRS: T9N-R1E-Section 33

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

Time Zone: MST – all year

Data Repeater: Direct

Elevation: 6,710 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Flagstaff, 08

Archived: Yes, from date of sensor installation

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

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

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

Detailed Sensor Data

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



Humboldt Mountain Weather Station

Meta Data Summary

Cave Creek, Arizona

Date of Station Installation: 07/14/1981

Weather Sensor Installation: 06/13/1996



State: Arizona

County: Maricopa

Latitude: 33° 58' 50.7" (33.98075)

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

TRS: T7N-R5E-Section 01

Location: 13 miles NE of the Town of Cave Creek

Time Zone: MST – all year

Data Repeater: Direct

Elevation: 5,205 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 24

Archived: Yes, from date of sensor installation

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

Obstructions: No obstructions

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

Detailed Sensor Data

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

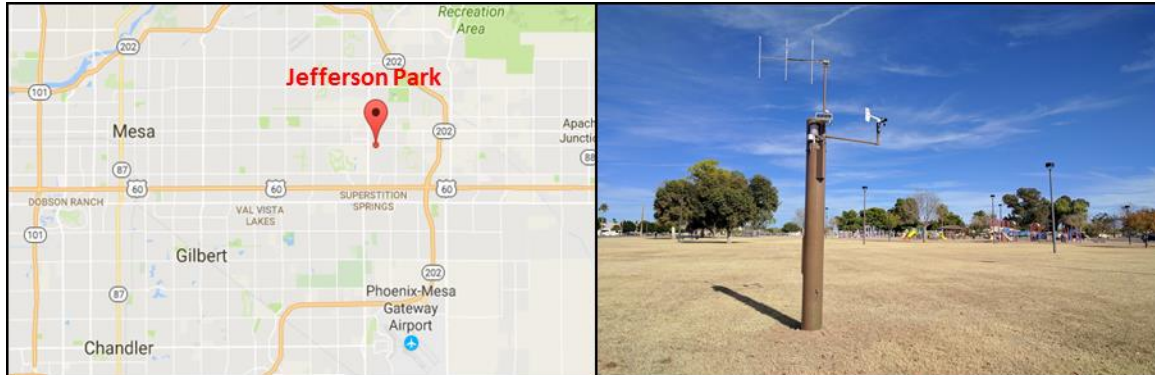


Jefferson Park Weather Station Meta Data Summary

Mesa, Arizona

Date of Station Installation: 12/21/2016

Weather Sensor Installation: 12/21/2016



State: Arizona

County: Maricopa

Latitude: 33° 24' 29.5" (33.4081)

Longitude: 111° 40' 47.9" (-111.6799)

TRS: T1N-R7E-Section 19

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

Time Zone: MST – all year

Data Repeater: Direct

Elevation: 1,395 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 23

Archived: Yes, from date of sensor installation

Site Description: Flat ground, Soil type –grass

Obstructions: No obstructions

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

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



Jomax Rd @ 70th St Weather Station Meta Data Summary

Scottsdale, Arizona

Date of Station Installation: 05/06/1993

Weather Sensor Installation: 06/26/1997



State: Arizona

County: Maricopa

Latitude: 33° 43' 37.1" (33.72696)

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

TRS: T5N-R4E-Section 36

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

Time Zone: MST – all year

Data Repeater: Direct

Elevation: 2,010 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 23

Archived: Yes, from date of sensor installation

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

Obstructions: No Obstructions

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

Detailed Sensor Data

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

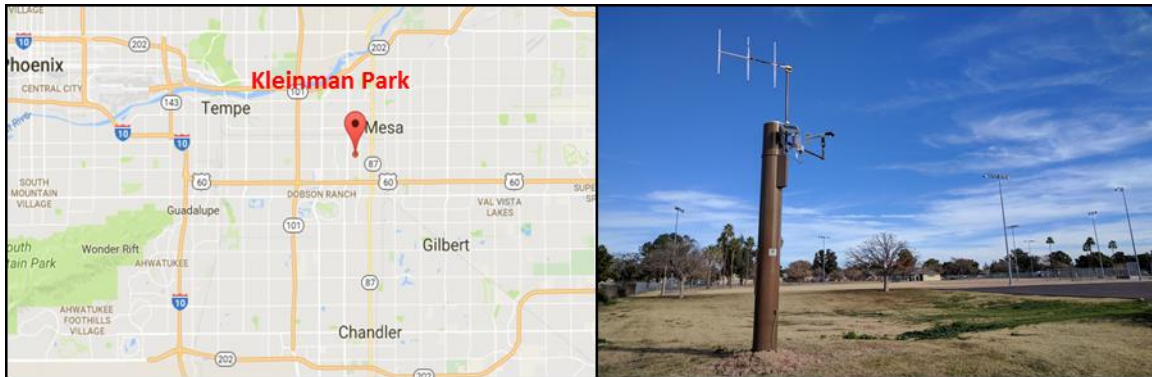


Kleinman Park Weather Station Meta Data Summary

Mesa, Arizona

Date of Station Installation: 03/26/1991

Weather Sensor Installation: 12/21/2016



State: Arizona

County: Maricopa

Latitude: 33° 24' 02.2" (33.40062)

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

TRS: T1N-R5E-Section 28

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

Time Zone: MST – all year

Data Repeater: Direct

Elevation: 1,215 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 23

Archived: Yes, from date of sensor installation

Site Description: Flat ground, Soil type –grass

Obstructions: No obstructions

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

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



Lake Pleasant Weather Station Meta Data Summary

Peoria, Arizona

Date of Station Installation: 11/13/2008

Weather Sensor Installation: 11/13/2008



State: Arizona

County: Maricopa

Latitude: 33° 50' 49.9" (33.84718)

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

TRS: T6N-R1E-Section 20

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

Time Zone: MST – all year

Data Repeater: Direct

Elevation: 1,825 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 23

Archived: Yes, from date of installation

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

Obstructions: No Obstructions

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

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



Lake Pleasant North Weather Station Meta Data Summary

Peoria, Arizona

Date of Station Installation: 04/24/2000

Weather Sensor Installation: 04/24/2001



State: Arizona

County: Yavapai

Latitude: 33° 54' 16.8" (33.9047)

Longitude: 112° 16' 15.0" (-112.2708)

TRS: T7N-R1E-Section 33

Location: Deer Island on north end of Lake Pleasant

Time Zone: MST – all year

Data Repeater: Towers Mountain

Elevation: 1,755 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 24

Archived: Yes, from date of sensor installation

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

Obstructions: No Obstructions

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

Detailed Sensor Data

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



Magma FRS Weather Station Meta Data Summary

Magma, Arizona

Date of Station Installation: 10/27/1988

Weather Sensor Installation: 12/19/1995



State: Arizona

County: Pinal

Latitude: 33° 07' 06.5" (33.1184)

Longitude: 111° 24' 16.6" (-111.4046)

TRS: T4S-R9E-Section 35

Location: 7 miles NNW of Florence

Time Zone: MST – all year

Data Repeater: Sacaton Peak

Elevation: 1,625 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 28

Archived: Yes, from date of sensor installation

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

Obstructions: No Obstructions

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

Detailed Sensor Data

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

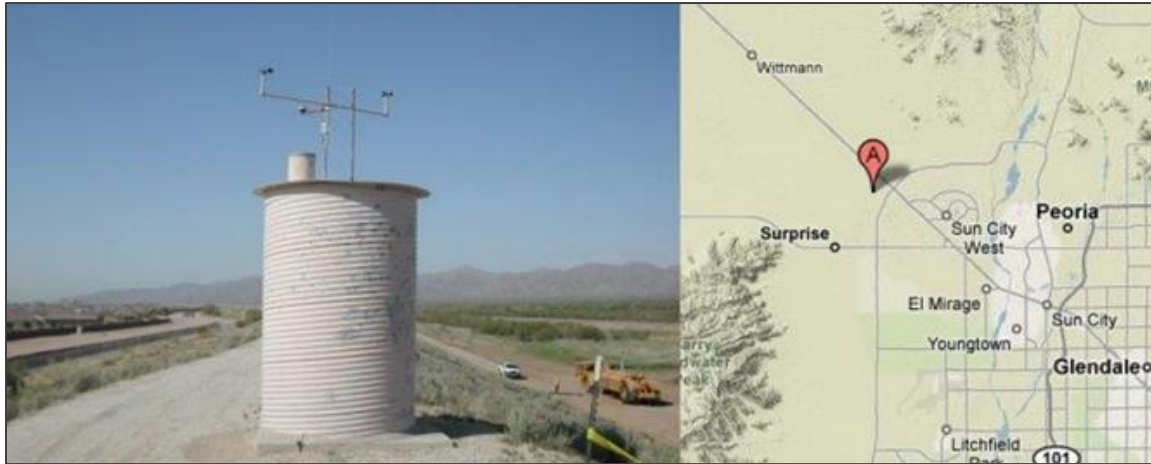


McMicken Dam Weather Station Meta Data Summary

Sun City, Arizona

Date of Station Installation: 03/24/1983

Weather Sensor Installation: 06/02/2004



State: Arizona

County: Maricopa

Latitude: 33° 40' 37.2" (33.6770)

Longitude: 112° 25' 24.3" (-112.4234)

TRS: T4N-R2W-Section 24

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

Time Zone: MST – all year

Data Repeater: White Tank Peak

Elevation: 1,355 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 23

Archived: Yes, from date of sensor installation

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

Obstructions: No Obstructions

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

Detailed Sensor Data

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



Mobile Weather Station Meta Data Summary

Maricopa, Arizona

Date of Station Installation: 12/15/2004

Weather Sensor Installation: 04/04/2008



State: Arizona

County: Maricopa

Latitude: 33° 02' 18.4" (33.0384)

Longitude: 112° 14' 38.7" (-112.2440)

TRS: T4S-R1E-Section 34

Location: 2 miles SE of Mobile

Time Zone: MST – all year

Data Repeater: White Tank Peak

Elevation: 1,340 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 27

Archived: Yes, from date of installation

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

Obstructions: No Obstructions

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

Detailed Sensor Data

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



Mount Union Weather Station Meta Data Summary

Prescott, Arizona

Date of Station Installation: 08/16/1982

Weather Sensors Installation: 12/11/1987



State: Arizona

County: Yavapai

Latitude: 34° 24' 54.3" (34.41507)

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

TRS: T12N-R2W-Section 1

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

Time Zone: MST – all year

Data Repeater: Direct

Elevation: 7,975 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Flagstaff, 08

Archived: Yes, from date of sensor installation

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

Obstructions: 50' tower 10' NNW of station

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

Detailed Sensor Data

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



Osborn at 64th St Weather Station Meta Data Summary

Scottsdale, Arizona

Date of Station Installation: 10/22/1997

Weather Sensors Installation: 01/16/1998



State: Arizona

County: Maricopa

Latitude: 33° 29' 06.4" (33.4851)

Longitude: 111° 56' 33.5" (-111.9427)

TRS: T2N-R4E-Section 27

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

Time Zone: MST – all year

Data Repeater: Thompson Peak

Elevation: 1,250 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 23

Archived: Yes, from date of sensor installation

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

Obstructions: No Obstructions

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

Detailed Sensor Data

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



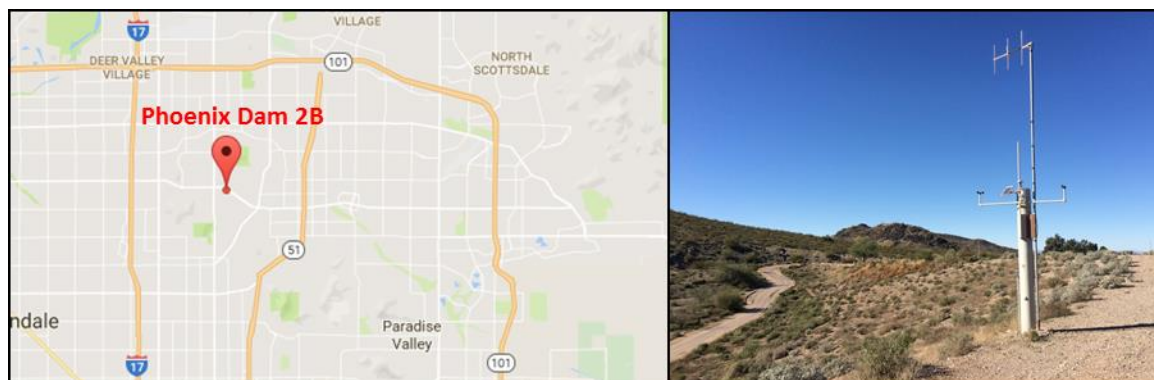
Phoenix Dam 2B Weather Station

Meta Data Summary

Phoenix, Arizona

Date of Station Installation: 06/29/2009

Weather Sensors Installation: 06/29/2009



State: Arizona

County: Maricopa

Latitude: 33° 36' 23.8" (33.6066)

Longitude: 112° 03' 28.4" (-112.0578)

TRS: T3N-R3E-Section 16

Location: Near Thunderbird and 7th St

Time Zone: MST – all year

Data Repeater: Direct

Elevation: 1,415 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 23

Archived: Yes, from date of installation

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

Obstructions: No Obstructions

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

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



Rackensack Canyon Weather Station Meta Data Summary

Rackensack Canyon, Arizona
Date of Station Installation: 06/28/2007
Weather Sensors Installation: 06/28/2007



State: Arizona
County: Maricopa
Latitude: 33° 54' 09.4" (33.90262)
Longitude: 111° 50' 43.0" (-111.84527)
TRS: T7N-R5E-Section 33
Location: 8 miles NE of Cave Creek
Time Zone: MST – all year
Data Repeater: Humboldt Mountain
Elevation: 4,445 ft. msl
Owner: Flood Control District of Maricopa County
NWS CWA/Zone #: Phoenix, 24
Archived: Yes, from date of installation
Site Description: Flat ground top of ridge, Soil type – dirt/shrubs
Obstructions: No Obstructions

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

Detailed Sensor Data

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

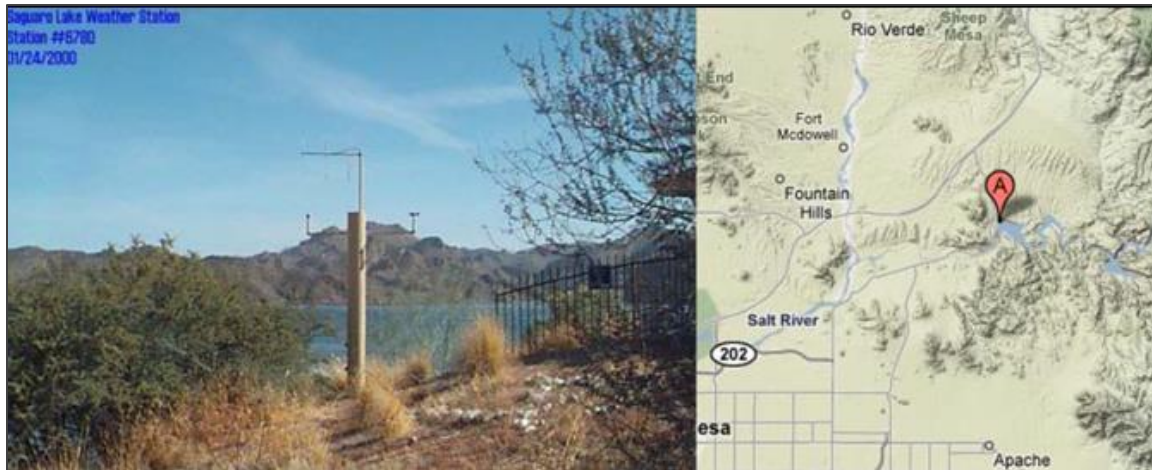


Saguaro Lake Weather Station Meta Data Summary

Saguaro, Arizona

Date of Station Installation: 01/24/2000

Weather Sensors Installation: 01/24/2000



State: Arizona

County: Maricopa

Latitude: 33° 34' 30.7" (33.57518)

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

TRS: T2N-R8E-Section 27

Location: MCSO yard, NW corner of the lake

Time Zone: MST – all year

Data Repeater: Mt. Ord

Elevation: 1,540 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 24

Archived: Yes, from date of sensor installation

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

Obstructions: Structure 20' to SW of station

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

Detailed Sensor Data

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



South Mountain Fan Weather Station Meta Data Summary

Phoenix, Arizona

Date of Station Installation: 06/09/1993

Weather Sensors Installation: 06/09/1993



State: Arizona

County: Maricopa

Latitude: 33° 18' 54.7" (33.3152)

Longitude: 112°08' 01.3" (-112.1336)

TRS: T1S-R2E-Section 26

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

Time Zone: MST – all year

Data Repeater: Direct

Elevation: 1,285 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 23

Archived: Yes, from date of sensor installation

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

Obstructions: No obstructions

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

Detailed Sensor Data

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



South Mountain Park Weather Station Meta Data Summary

Phoenix, Arizona

Date of Station Installation: 10/01/1987

Weather Sensors Installation: 12/15/1987



State: Arizona

County: Maricopa

Latitude: 33° 20' 39.8" (33.3444)

Longitude: 112° 01' 58.9" (-112.0330)

TRS: T1S-R3E-Section 15

Location: Alignments of Elliot Road and 24th Street

Time Zone: MST – all year

Data Repeater: Direct

Elevation: 2,355 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 23

Archived: Yes, from date of sensor installation

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

Obstructions: No obstructions

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

Detailed Sensor Data

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



Sycamore Creek Upper Weather Station Meta Data Summary



Sycamore Creek, Arizona

Date of Station Installation: 06/09/2012

Weather Sensors Installation: 06/09/2012



State: Arizona

County: Maricopa

Latitude: 33° 59' 15.4" (33.9876)

Longitude: 111° 27' 51.5" (-111.4643)

TRS: T8N-R9E-Section 31

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

Time Zone: MST – all year

Data Repeater: Mount Ord

Elevation: 5,820 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 24

Archived: Yes, from date of installation

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

Obstructions: No Obstructions

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

Flood Control District of Maricopa County

Detailed Sensor Data

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



Thompson Peak Weather Station Meta Data Summary

Scottsdale, Arizona

Date of Station Installation: 07/27/1989

Weather Sensors Installation: 12/19/1995



State: Arizona

County: Maricopa

Latitude: 33° 38' 32.7" (33.64242)

Longitude: 111° 48' 33.2" (-111.80921)

TRS: T4N-R5E-Section 35

Location: 120th Street and Bell Road alignments

Time Zone: MST – all year

Data Repeater: Direct

Elevation: 3,485 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 23

Archived: Yes, from date of sensor installation

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

Obstructions: None

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

Detailed Sensor Data

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

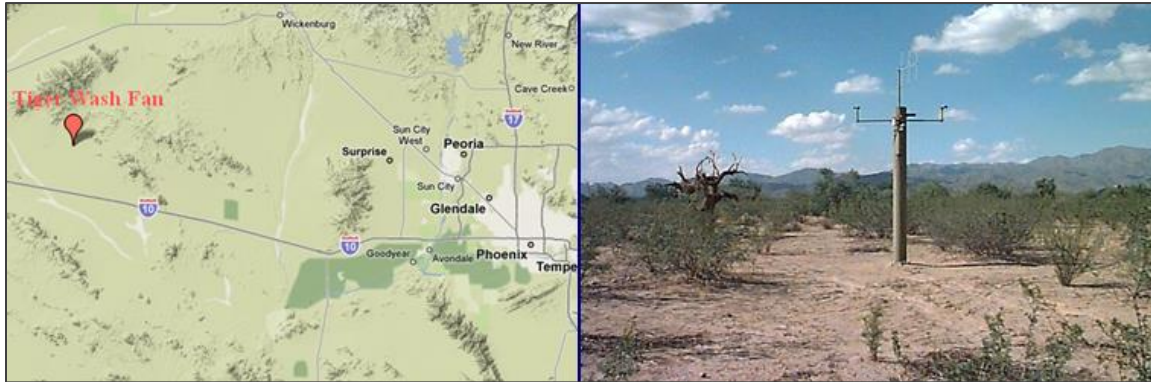


Tiger Wash Fan Weather Station Meta Data Summary

Tonopah, Arizona

Date of Station Installation: 09/21/1994

Weather Sensors Installation: 09/21/1994



State: Arizona

County: Maricopa

Latitude: 33° 40' 12.8" (33.67021)

Longitude: 113°18' 50.0" (-113.31390)

TRS: T4N-R10W-Section 20

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

Time Zone: MST – all year

Data Repeater: Burnt Mountain

Elevation: 1,615 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 22

Archived: Yes, from date of sensor installation

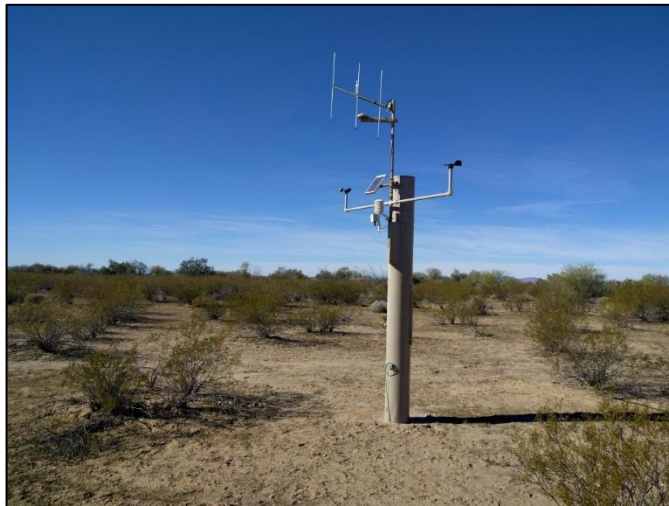
Site Description: Flat ground, Soil type –dirt/shrubs

Obstructions: No obstructions

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

Detailed Sensor Data

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



Usery Mountain Park Weather Station Meta Data Summary

Mesa, Arizona

Date of Station Installation: 02/24/1994

Weather Sensors Installation: 02/24/1994



State: Arizona

County: Maricopa

Latitude: 33° 28' 54.1" (33.4817)

Longitude: 111°36' 57.4" (-111.6159)

TRS: T2N-R7E-Section 27

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

Time Zone: MST – all year

Data Repeater: Direct

Elevation: 2,065 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 24

Archived: Yes, from date of sensor installation

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

Obstructions: No obstructions

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

Detailed Sensor Data

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



Wickenburg Airport Weather Station Meta Data Summary

Wickenburg, Arizona

Date of Station Installation: 08/03/1994

Weather Sensors Installation: 08/03/1994



State: Arizona

County: Maricopa

Latitude: 33° 57' 53.5" (33.9649)

Longitude: 112° 48' 14.4" (-112.8040)

TRS: T7N-R5W-Section 08

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

Time Zone: MST – all year

Data Repeater: Yarnell Hill

Elevation: 2,380 ft. msl

Owner: Flood Control District of Maricopa County

NWS CWA/Zone #: Phoenix, 22

Archived: Yes, from date of sensor installation

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

Obstructions: No obstructions

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

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

