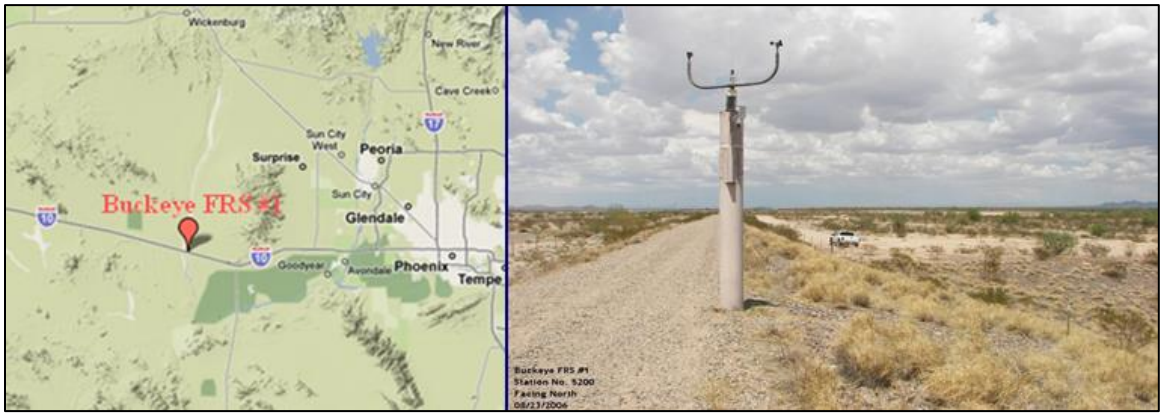
Climate Summary Report
Buckeye FRS #1 Weather Station

Buckeye, Arizona
Period of Record: Calendar Years 1997-2024
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

* For information on annual and monthly rainfall totals at Buckeye FRS #1 refer to http://alert.fcd.maricopa.gov/alert/Rain/FOPR/44000_FOPR.xlsx.

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Flood Control District of Maricopa County

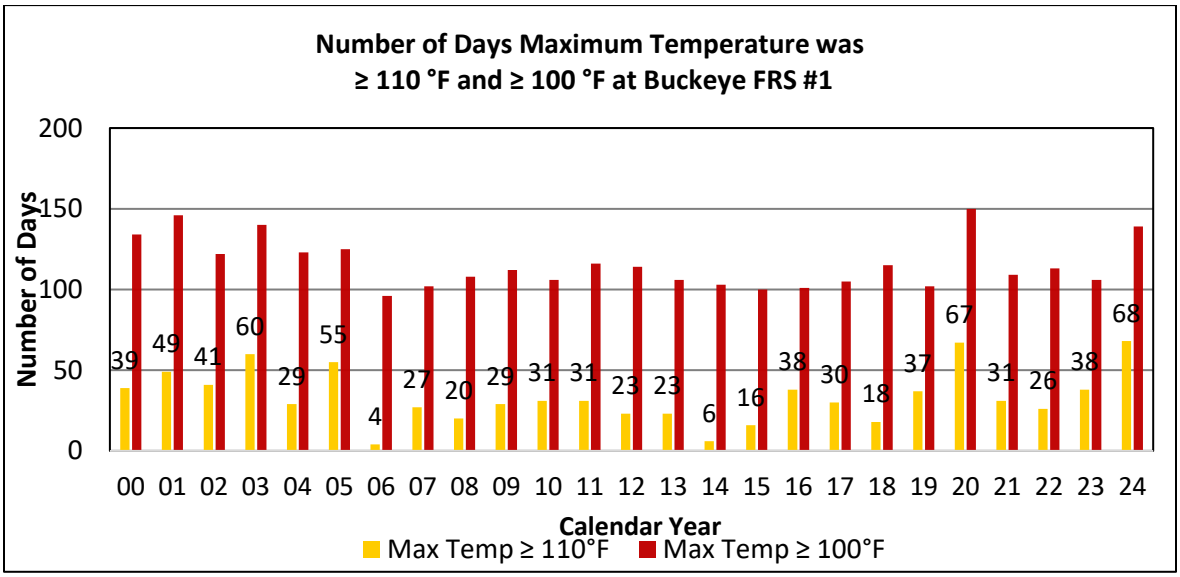
Buckeye FRS #1 Weather Station
1997-2024

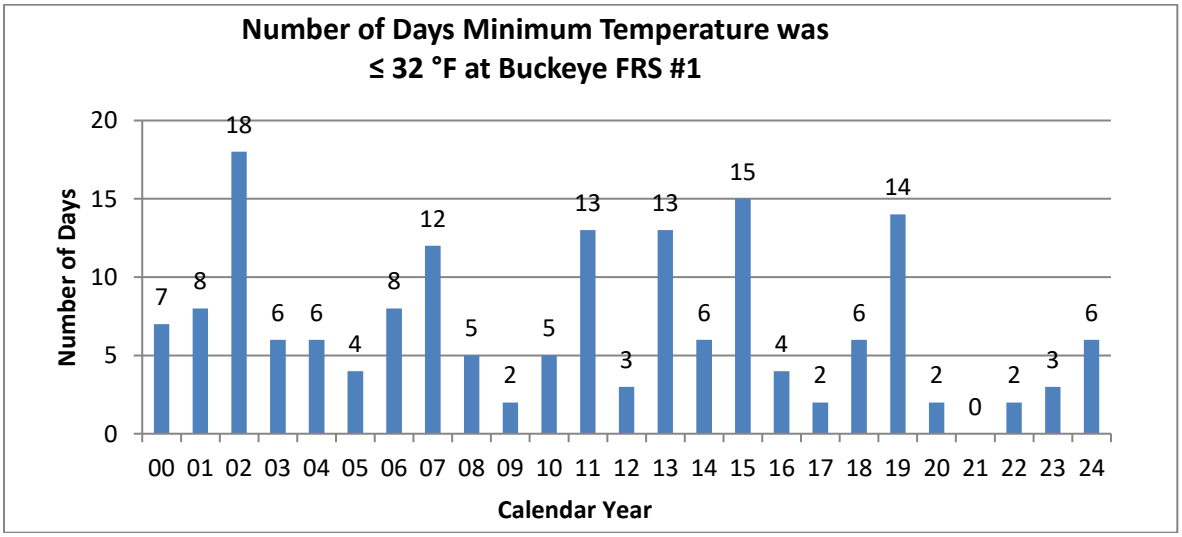
All-Time Records*

Temperature	High	123°F	7/15/2003
	Low	20°F	1/14/2007
Wind	Peak Wind Gust	60 MPH	4/3/2023
Dewpoint	Maximum Dewpoint	83°F	8/12/2005

*Most recent date of occurrence observed.

Temperature Statistics





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Buckeye FRS #1 Weather Station
Annual Statistics

Year	Maximum Temp		Minimum Temp		Mean Temp	Maximum Dewpoint		Peak Wind	
	°F	Date*	°F	Date*	°F	°F	Date*	MPH	Date*
2024	119	7/8	28	1/12	75.5	83	7/25	53	1/11
2023	119	7/15	32	2/15	73.4	70	9/1	60	4/3
2022	116	7/16	29	12/17	74.4	79	7/30	53	10/15
2021	118	6/19	33	1/3	75.1	79	8/15	37	3/3
2020	121	7/30	31	2/6	75.5	77	7/23	37	8/30
2019	117	8/5	24	1/3	72.1	75	7/31	49	11/20
2018	115	7/25	29	2/21	73.1	75	8/17	42	7/9
2017	122	6/20	31	12/22	75.2	80	7/25	30	3/30
2016	122	6/19	27	2/3	73.9	76	9/4	35	7/29
2015	116	8/15	26	12/17	73.0	75	7/19	57	6/29
2014	113	7/23	28	12/28	74.0	81	8/25	43	9/6
2013	119	6/28	21	1/13	72.6	79	8/30	39	7/2
2012	117	8/13	31	12/31	73.7	79	7/22	45	7/15
2011	117	7/2	22	2/3	72.4	76	7/5	37	3/21
2010	114	8/24	28	12/31	75.4	79	7/30	34	11/2
2009	115	7/17	31	12/5	74.0	75	9/5	51	12/7
2008	116	6/20	29	1/18	73.0	79	7/11	54	3/5
2007	116	7/4	20	1/14	73.3	79	8/1	46	9/15
2006	112	6/4	27	12/21	72.7	80	8/13	58	8/10
2005	122	7/17	28	12/17	74.5	83	8/11	36	7/22
2004	116	8/8	30	12/25	73.6	77	9/19	37	9/18
2003	123	7/15	26	12/29	74.4	81	8/20	38	2/25
2002	116	7/11	25	1/31	73.0	N/A	N/A	N/A	N/A
2001	123	7/2	30	2/9	74.3	N/A	N/A	N/A	N/A
2000	118	7/19	29	1/3	73.4	N/A	N/A	N/A	N/A

*Latest date of occurrence observed.

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Buckeye FRS #1 Weather Station
Monthly Statistics

Month	Maximum Temp		Mean Temp[1]	Minimum Temp		Peak Wind		Avg Wind[2]
	°F	Date*	°F	°F	Date*	MPH	Date*	MPH
January	86	1/5/2006	53.6	20	1/14/2007	53	1/11/2024	2.5
February	89	2/15/2014	57.7	22	2/3/2011	41	2/14/2023	3.1
March	101	3/20/2004	63.8	29	3/3/2002	54	3/5/2008	3.4
April	106	4/29/2013	71.6	37	4/5/2023	60	4/3/2023	4.2
May	115	5/22/2005	81.2	42	5/1/1999	38	5/29/2022	4.2
June	122	6/19/2016	90.8	52	6/5/1999	57	6/29/2015	4.1
July	123	7/15/2003	95.1	60	7/1/2004	47	7/26/2023	4.3
August	120	8/10/2003	93.6	64	8/31/2010	58	8/10/2006	3.8
September	116	9/28/2024	87.8	54	9/30/2002	53	9/15/2007	3.5
October	113	10/20/2003	74.7	35	10/29/2009	53	10/24/2007	3.1
November	98	11/5/2020	62.1	29	11/30/2006	49	11/3/2022	2.8
December	86	12/1/2021	52.8	24	12/24/1998	51	12/7/2007	2.5

[1]The daily mean temperature is calculated by averaging each day's 15-minute values (96 if all are received). The monthly mean temperature is calculated by averaging all temperatures in that month (96 * # of days). The mean temperature for each month is calculated by averaging the monthly mean temperatures from all years.

[2]Average daily wind speed is calculated by dividing the number of hours in a day into the recorded miles of wind run. Monthly average wind speed is calculated by averaging all daily average wind speeds in that month. The average wind speed for each month is calculated by averaging the monthly average wind speeds from all years.

*Most recent date of occurrence observed.

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