

Climate Summary Report

Humboldt Mountain Weather Station

Cave Creek, Arizona

Period of Record: Calendar Years 1997-2024

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

* For information on annual and monthly rainfall totals at Humboldt Mountain refer to http://alert.fcd.maricopa.gov/alert/Rain/FOPR/1200_FOPR.xlsx.

Flood Control District of Maricopa County

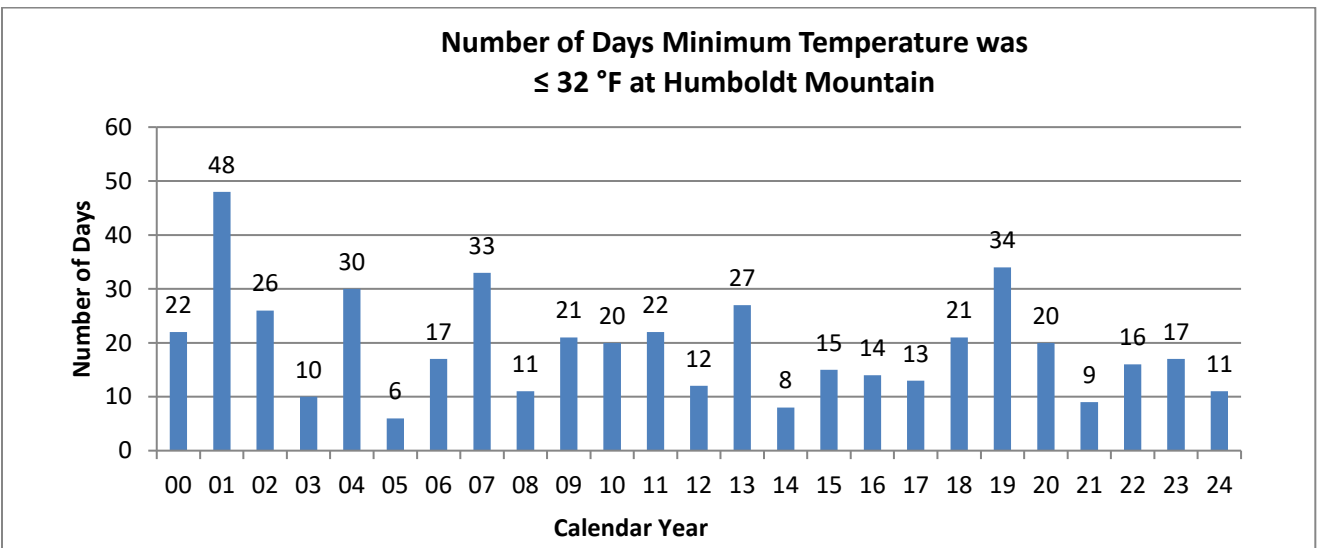
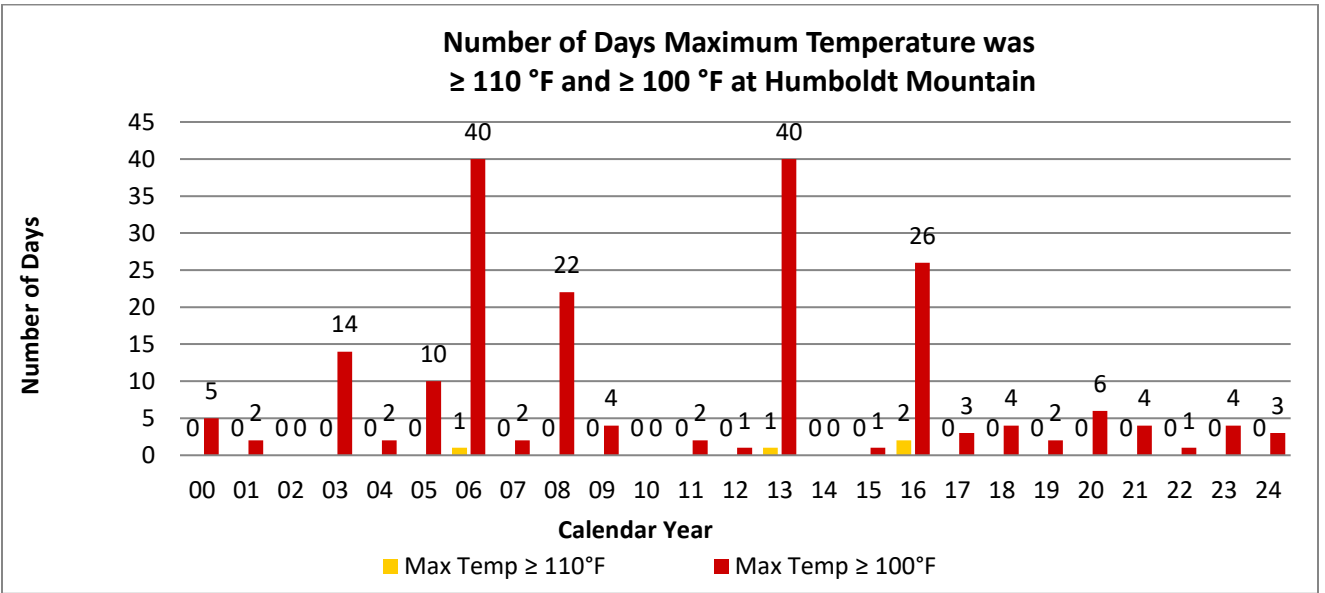
Humboldt Mountain Weather Station 1997-2024

All-Time Records*

Temperature	High	113°F	7/14/2006
	Low	10°F	2/3/2011
Dewpoint	Maximum Dewpoint	90°F	7/25/2009

*Most recent date of occurrence observed.

Temperature Statistics



Humboldt Mountain Weather Station Annual Statistics

Year	Maximum Temp		Minimum Temp		Mean Temp	Maximum Dewpoint	
	°F	Date*	°F	Date*	°F	°F	Date*
2024	104	7/5	22	1/8	64.4	61	8/11
2023	101	7/26	24	2/16	62.2	65	3/16
2022	100	7/11	25	2/23	63.1	69	7/27
2021	102	8/4	27	3/16	63.8	71	8/14
2020	102	7/30	20	2/5	63.7	65	8/29
2019	101	8/5	18	1/2	60.3	65	9/10
2018	102	7/5	22	2/24	61.7	67	8/16
2017	103	6/21	26	12/22	63.4	75	6/30
2016	110	6/19	22	2/2	63.6	69	7/19
2015	100	8/15	19	1/1	62.2	71	8/7
2014	99	7/23	24	12/31	63.1	65	9/19
2013	110	6/28	19	1/15	66.2	76	8/30
2012	102	8/8	26	3/19	64.6	71	8/21
2011	100	8/24	10	2/3	61.8	69	7/5
2010	98	8/15	17	12/31	60.9	71	7/31
2009	102	7/19	27	12/8	63.4	90	7/25
2008	107	6/20	22	12/27	66.3	72	8/4
2007	100	7/16	15	1/14	63.3	61	7/24
2006	113	7/14	20	11/30	67.3	73	7/27
2005	102	7/12	25	11/28	64.0	69	8/8
2004	101	7/31	20	12/24	60.2	83	8/18
2003	106	8/10	19	12/28	64.4	85	3/5
2002	99	8/9	20	1/31	62.6	N/D	N/D
2001	101	7/2	22	12/16	60.9	N/D	N/D
2000	101	8/5	27	11/18	63.0	N/D	N/D

*Latest date of occurrence observed.

Humboldt Mountain Weather Station Monthly Statistics

Month	Maximum Temp		Mean Temp ¹	Minimum Temp	
	°F	Date*	°F	°F	Date*
January	78	1/22/2013	46.6	15	1/14/2007
February	79	2/11/2016	47.4	10	2/3/2011
March	87	3/15/2013	53.3	26	3/2/2023
April	94	4/28/2013	59.2	25	4/4/1999
May	97	5/19/2008	68.5	35	5/23/2019
June	110	6/19/2016	78.8	44	6/4/1999
July	113	7/14/2006	81.6	51	7/31/2016
August	107	8/15/2013	79.8	46	8/23/2016
September	103	9/1/2006	74.7	22	9/7/1997
October	95	10/20/2003	65.0	29	10/27/2020
November	90	11/15/2012	54.9	20	11/30/2006
December	81	12/4/2007	46.4	17	12/31/2010

¹The 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.

²Average 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.

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	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

