

# Climate Summary Report

## Gila Bend Mountains Weather Station

Gila Bend, Arizona

Period of Record: Calendar Years 1996-2024

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

\* For information on annual and monthly rainfall totals at Gila Bend Mountains refer to [http://alert.fcd.maricopa.gov/alert/Rain/FOPR/41500\\_FOPR.xlsx](http://alert.fcd.maricopa.gov/alert/Rain/FOPR/41500_FOPR.xlsx).

Flood Control District of Maricopa County

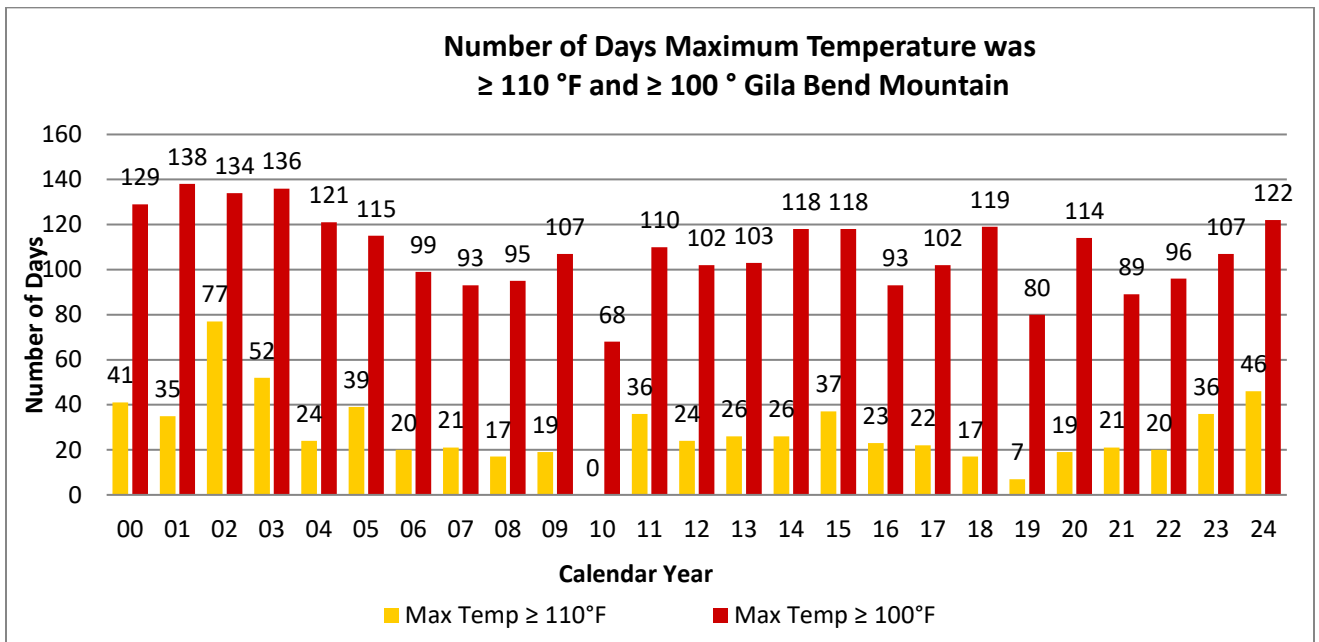
# Gila Bend Mountains Weather Station 1996-2024

## All-Time Records\*

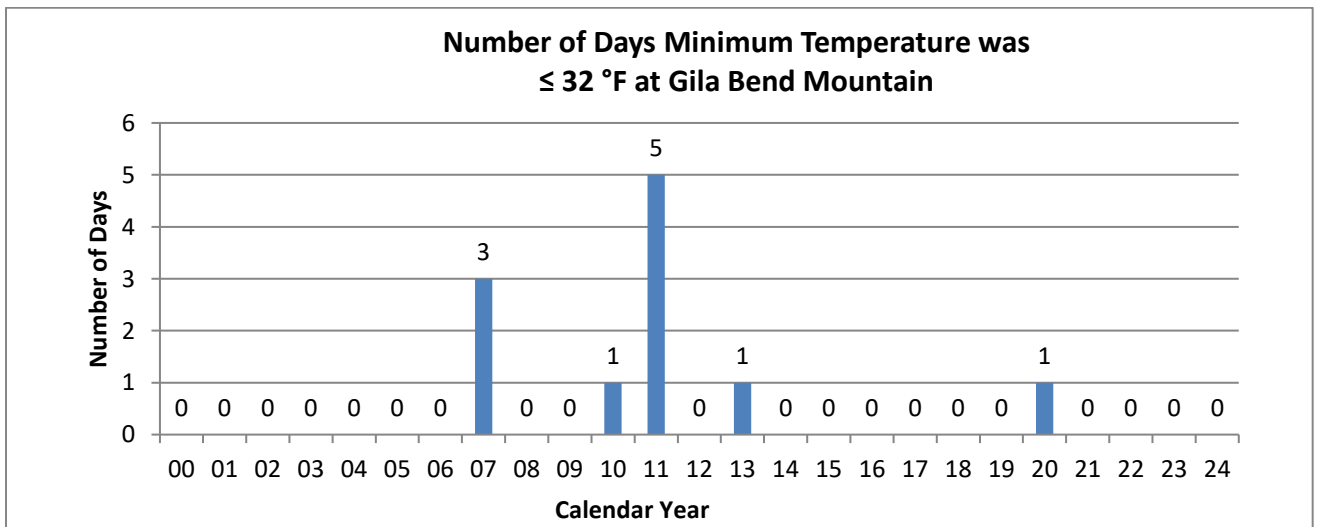
Temperature	High	124°F	8/24/2000
	Low	22°F	2/3/2011
Wind	Peak Wind Gust	71 MPH	9/4/2005
Dewpoint	Maximum Dewpoint	89°F	8/12/1994

\*Most recent date of occurrence observed.

## Temperature Statistics



\* 2024 has one or more months that contain questionable temperature data



## Gila Bend Mountains 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	117	7/5	38	1/09	87.2	79	9/14	46	7/21
2023	118	7/15	36	3/2	75.7	74	8/7	39	5/16
2022	114	7/11, 7/16	35	2/24	75.1	75	9/21	44	7/16
2021	115	6/17, 8/4	37	1/26	75.0	73	8/16	33	11/22
2020	114	8/24	32	2/4	74.1	70	9/2	46	8/13
2019	112	8/5	35	1/3	71.5	72	9/23	40	7/28
2018	116	7/24	37	12/31	75.6	77	7/12	57	7/8
2017	121	6/20	39	1/24	76.7	74	8/1	50	7/7
2016	116	6/19	37	2/3	76.1	72	9/22	45	8/20
2015	118	8/15	33	1/1	76.4	76	7/18	33	9/25
2014	116	7/23	33	12/31	77.4	83	9/8	38	8/17
2013	117	6/28	28	1/14	74.6	77	8/24	45	8/17
2012	116	8/12	38	12/20	75.8	78	8/22	39	8/21
2011	117	7/2, 8/23	22	2/3	73.6	81	7/5	50	7/5
2010	109	7/1	29	12/31	70.2	77	7/29	42	9/12
2009	114	7/17, 7/27	34	2/10	73.6	74	7/21	52	7/21
2008	114	6/20	35	12/27	73.1	70	9/9	42	8/8
2007	115	7/4	25	1/14	73.4	73	7/23	41	3/3
2006	117	7/22	34	3/12	74.0	71	8/24	54	7/15
2005	120	7/17	36	12/17	73.9	82	7/30	71	9/4
2004	115	8/8	35	12/25	74.0	80	7/23	35	8/13
2003	120	7/15	38	12/29	76.7	78	9/5	51	8/14
2002	118	8/9	35	1/31	77.3	77	9/18	50	7/14
2001	119	7/2	33	2/9	74.8	74	8/12	56	8/14
2000	116	7/19, 9/14	38	3/7	74.8	73	8/17	42	10/4

\*Latest date of occurrence observed.

## Gila Bend Mountains Weather Station Monthly Statistics

Month	Maximum Temp		Mean Temp <sup>1</sup>	Minimum Temp		Peak Wind		Avg Wind (mph) <sup>2</sup>
	°F	Date*	°F	°F	Date*	MPH	Date*	MPH
January	87	1/10/1995	56.2	25	1/11/1989	39	1/7/2003	5.1
February	88	2/1/2016	58.9	22	2/3/2011	40	2/10/2002	7.6
March	100	3/30/2015	65.3	34	3/12/2006	44	3/12/1994	9.2
April	107	4/26/2000	72.7	27	4/16/1995	35	4/30/2014	3.0
May	114	5/30/2002	80.9	46	5/7/1995	46	5/16/2006	2.2
June	124	6/25/1994	90.5	52	6/4/1999	43	6/26/2022	1.9
July	123	7/28/1995	93.8	63	7/1/1992	57	7/8/2018	2.2
August	121	8/11/1994	92.6	64	8/24/1992	56	8/14/2001	2.6
September	116	9/14/2000	87.5	50	9/11/1996	71	9/4/2005	5.3
October	110	10/6/2024	77.0	44	10/30/2019	42	10/4/2000	6.8
November	93	11/5/2023	64.4	26	11/30/1996	40	11/28/2002	5.1
December	88	12/30/1995	55.6	29	12/3/2010	40	12/25/2007	5.5

<sup>1</sup>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.

<sup>2</sup>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.

**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	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/sqm	30 minutes
Barometric Pressure	41503	06/01/88	Solid state	Hydrolynx	1522	7.7	mb, inHg	30 minutes

