

Climate Summary Report

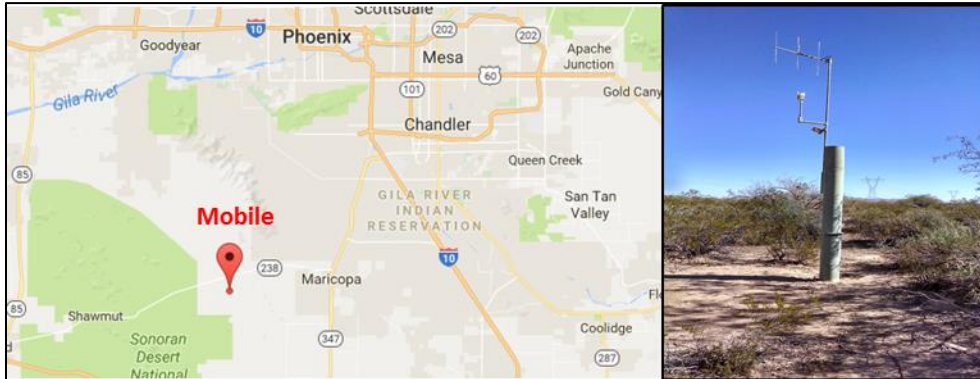
Mobile Weather Station

Maricopa, Arizona

Period of Record: Calendar Years 2005-2025

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

* For information on annual and monthly rainfall totals at Mobile refer to http://alert.fcd.maricopa.gov/alert/Rain/FOPR/84700_FOPR.xlsx.

Flood Control District of Maricopa County

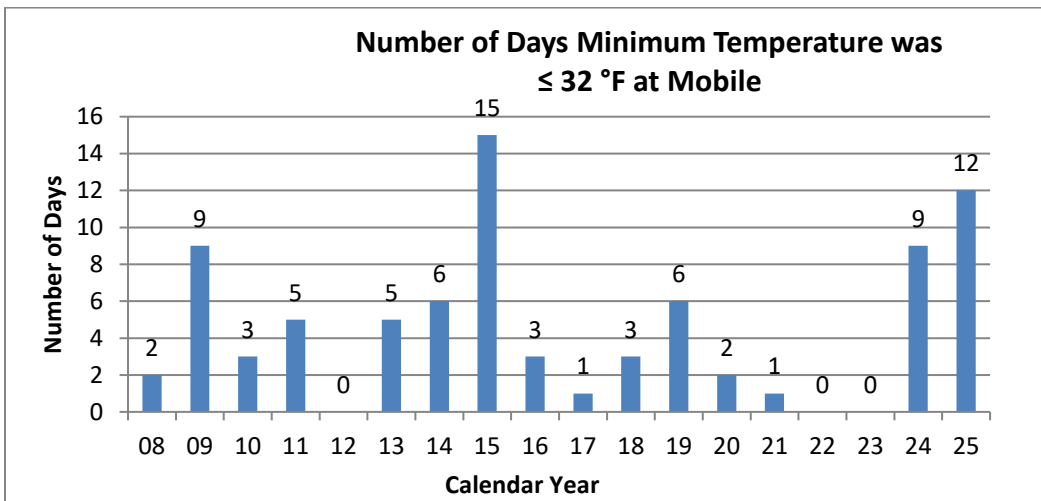
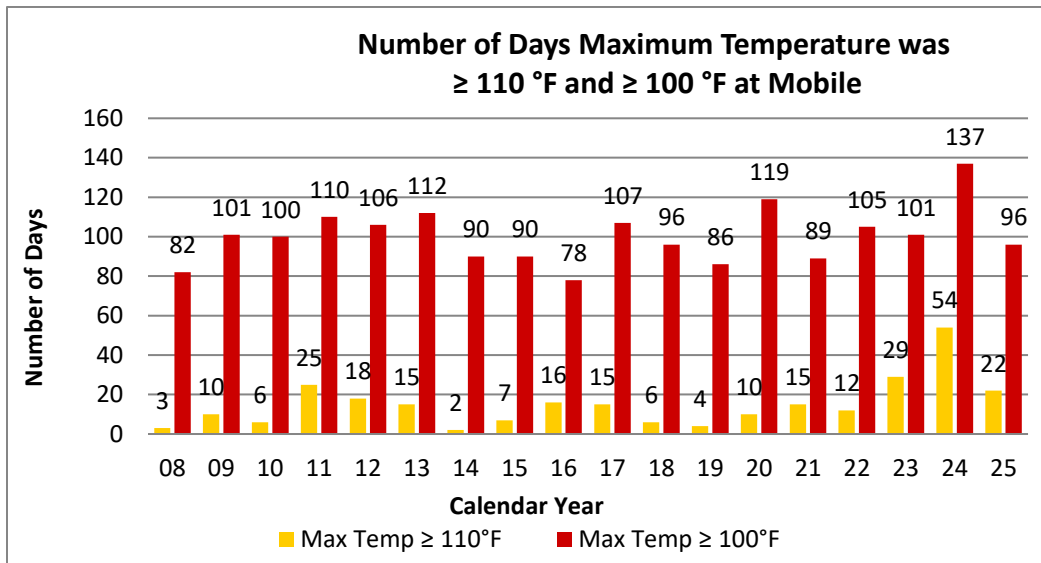
Mobile Weather Station 2005-2025

All-Time Records*

Temperature	High	118°F	6/20/2017
	Low	21°F	1/15/2013
Wind	Peak Wind Gust	66 MPH	7/14/2024

*Most recent date of occurrence observed.

Temperature Statistics



Mobile Weather Station Annual Statistics

Year	Maximum Temp		Minimum Temp		Mean Temp	Peak Wind	
	°F	Date*	°F	Date*	°F	MPH	Date*
2025	116	6/19	24	1/14	73.3	41	8/21
2024	118	7/5	16	10/27	74.5	66	7/14
2023	115	7/20	33	4/5	73.9	61	2/22
2022	112	7/11	35	2/24	74.6	46	4/22
2021	115	6/17	32	3/1	74.8	60	8/16
2020	111	8/14	28	2/6	73.2	50	8/20
2019	112	8/5	30	2/20	71.8	40	3/13
2018	112	7/25	28	12/29	73.5	64	7/8
2017	118	6/20	30	12/22	76.0	28	7/22
2016	117	6/19	27	2/3	74.8	33	7/29
2015	113	8/15	22	12/16	72.9	33	9/3
2014	111	7/24	28	12/28	73.7	38	7/27
2013	117	6/29	21	1/15	74.4	33	3/8
2012	114	8/12	35	12/29	75.1	35	5/9
2011	116	7/2	23	2/4	74.1	37	3/7
2010	112	8/24	26	11/30	72.7	39	3/4
2009	112	7/28	30	12/27	73.0	34	3/26
2008	112	6/21	29	12/28	82.8	34	9/11

*Latest date of occurrence observed.

Mobile Weather Station Monthly Statistics

Month	Maximum Temp		Mean Temp ¹	Minimum Temp		Peak Wind		Avg Wind (mph) ²
	°F	Date*	°F	°F	Date*	MPH	Date*	MPH
January	92	1/5/2010	54.4	21	1/15/2013	41	1/28/2022	5.6
February	89	2/25/2025	57.5	23	2/4/2011	61	2/22/2023	4.7
March	98	3/25/2025	64.6	32	3/1/2021	49	3/1/2023	4.7
April	104	4/22/2012	72.7	33	4/5/2023	48	4/3/2023	5.9
May	110	5/22/2012	80.2	44	5/24/2010	46	5/16/2023	5.7
June	118	6/20/2017	91.4	57	6/8/2023	39	6/26/2022	5.8
July	118	7/4/2024	94.3	67	7/1/2018	66	7/14/2024	5.8
August	116	8/7/2025	92.6	69	8/8/2009	60	8/16/2021	4.9
September	115	9/28/2024	86.9	54	9/24/2016	43	9/1/2022	4.4
October	111	10/1/2024	75.0	38	10/27/2020	38	10/11/2021	4.3
November	99	11/3/2010	62.7	26	11/30/2010	52	11/27/2024	4.1
December	84	12/2/2017	54.2	22	12/16/2015	38	12/5/2025	4.1

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	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

