

# Climate Summary Report

## Crossroads Park Weather Station

Gilbert, Arizona

Period of Record: Calendar Years 1996-2024

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

\* For information on annual and monthly rainfall totals at Crossroads Park refer to [http://alert.fcd.maricopa.gov/alert/Rain/FOPR/33000\\_FOPR.xlsx](http://alert.fcd.maricopa.gov/alert/Rain/FOPR/33000_FOPR.xlsx).

Flood Control District of Maricopa County

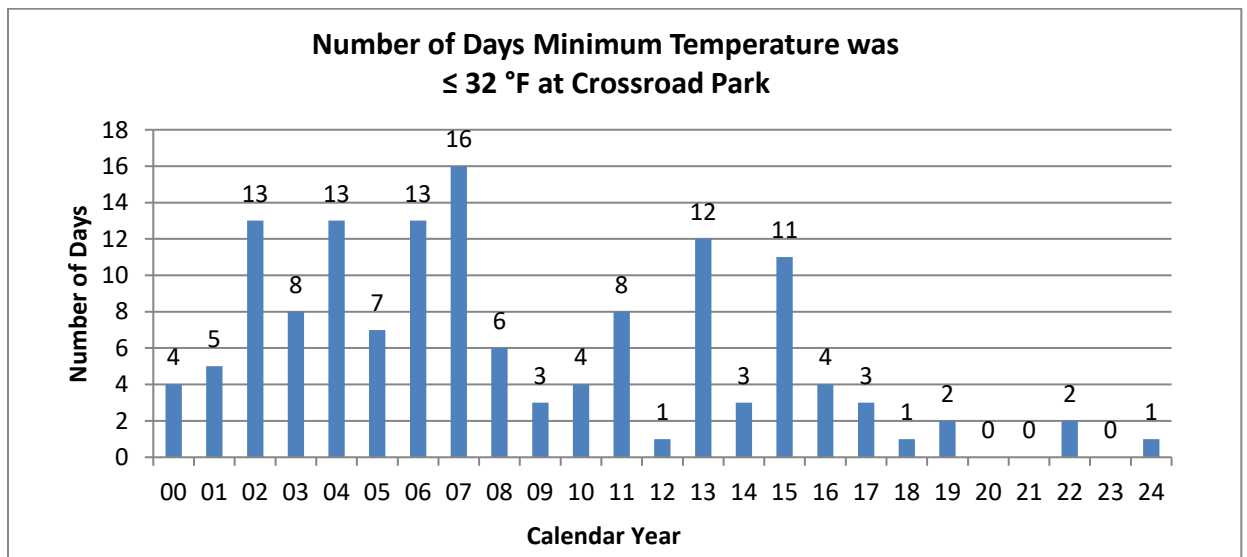
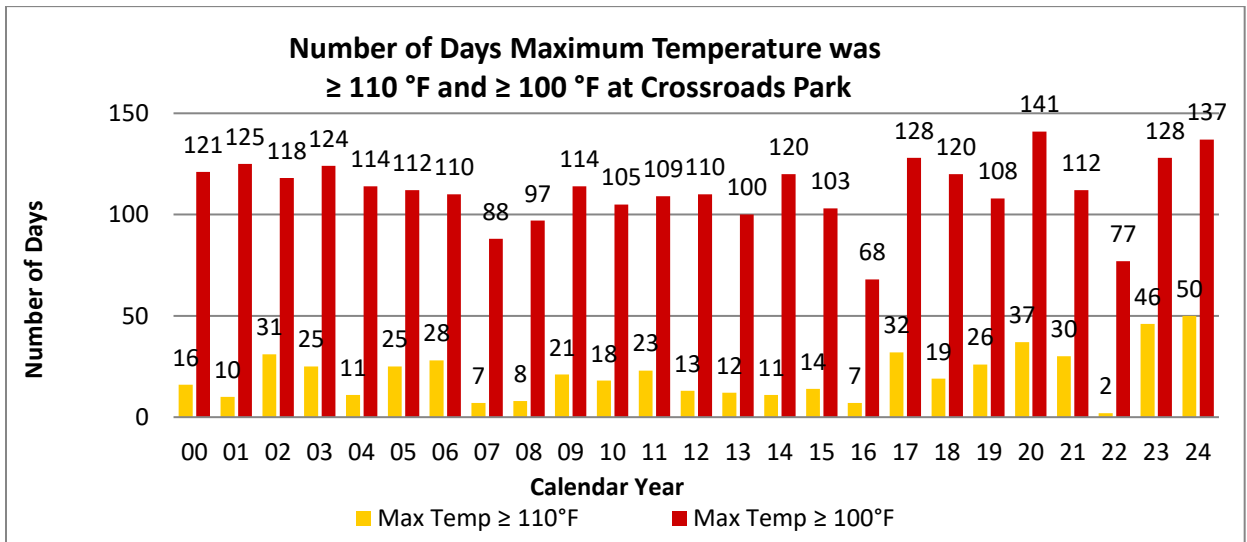
# Crossroads Park Weather Station 1996-2024

## All-Time Records\*

<b>Temperature</b>	<b>High</b>	<b>121°F</b>	<b>6/20/2017</b>
	<b>Low</b>	<b>19°F</b>	<b>1/15/2007</b>
<b>Wind</b>	<b>Peak Wind Gust</b>	<b>88 MPH</b>	<b>4/1/2009</b>
<b>Dewpoint</b>	<b>Maximum Dewpoint</b>	<b>83°F</b>	<b>8/3/2016</b>

\*Most recent date of occurrence observed.

## Temperature Statistics



## Crossroads Park 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	7/08	32	1/9	76.1	76	8/19	32	7/11
2023	118	7/25	33	2/16	74.5	78	8/8	38	3/1
2022	112	6/10	29	12/17	72.5	74	9/21	49	8/9
2021	119	6/18	34	1/3	77.5	79	8/10	39	1/25
2020	116	7/30	33	2/4	75.8	73	7/25	31	3/18
2019	114	8/21	29	1/3	74.2	76	8/1	35	11/29
2018	116	7/25	31	12/30	74.9	76	7/31	27	7/9
2017	121	6/20	31	12/22	77.3	78	7/24	25	4/28
2016	117	6/19	29	2/3	74.7	83	8/3	45	3/31
2015	115	6/18	28	12/31	74.3	75	8/17	39	5/15
2014	116	7/23	31	12/29	75.6	83	9/9	40	7/3
2013	115	6/29	24	1/15	72.6	78	7/21	38	3/8
2012	114	8/12	31	12/29	74.0	82	8/21	41	7/21
2011	115	7/2	24	2/4	72.7	78	8/3	35	7/5
2010	113	8/24	29	11/30	73.0	78	8/21	34	5/2
2009	114	7/18	30	12/26	73.9	74	7/24	88	4/1
2008	112	8/1	28	1/19	72.2	77	8/7	80	5/21
2007	112	8/12	19	1/15	72.2	75	7/31	39	8/13
2006	118	7/21	28	12/21	72.8	79	7/27	47	9/7
2005	115	6/21	29	12/17	72.8	80	8/10	53	7/22
2004	113	7/12	27	1/5	71.8	84	12/31	42	3/31
2003	117	7/16	24	12/29	72.7	75	8/30	38	8/26
2002	114	7/12	28	1/20	72.4	N/A	N/A	48	7/23
2001	118	7/2	29	12/26	72.3	N/A	N/A	41	8/16
2000	114	7/25	30	11/19	72.3	N/A	N/A	38	7/30

\*Latest date of occurrence observed.

## Crossroads Park Weather Station Monthly Statistics

Month	Maximum Temp		Mean Temp <sup>1</sup>	Minimum Temp		Peak Wind		Avg Wind <sup>2</sup>
	°F	Date*	°F	°F	Date*	MPH	Date*	MPH
January	86	1/27/2003	54.1	19	1/15/2007	39	1/25/2021	1.7
February	90	2/17/2016	57.1	24	2/4/2011	35	2/22/2023	1.9
March	98	3/29/2015	64.2	29	3/4/2002	45	3/31/2016	2.5
April	105	4/27/2000	71.6	33	4/13/1998	88	4/1/2009	3.0
May	112	5/29/2020	80.8	32	5/1/2010	80	5/21/2008	2.7
June	121	6/20/2017	90.0	52	6/5/1999	37	6/25/2006	2.6
July	118	7/25/2023	94.0	61	7/1/1997	61	7/25/1996	3.1
August	117	8/4/2021	92.1	52	8/28/1997	49	8/9/2022	2.8
September	115	9/28/2024	86.6	53	9/28/2013	47	9/7/2006	2.5
October	111	10/1/2024	74.4	35	10/31/1996	37	10/5/2006	2.0
November	99	11/5/2020	62.2	28	11/30/1996	35	11/23/2015	1.5
December	98	12/31/2004	52.9	22	12/19/1996	34	12/25/2008	1.5

<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	33000	12/18/95	Tipping Bucket	Hydrolynx	5050P	11.1	mm	Variable
Temperature	33001	12/18/95	Transducer, Radiation Shield	Hydrolynx	2048, 4550	12.6	deg F/C	15 minutes
Relative Humidity	33002	12/18/95	Polymer film, Radiation Shield	Hydrolynx	2048, 4550	12.6	%	15 minutes
Dewpoint (calculated)	33016	01/01/03	---	---	---	---	deg F	15 minutes
Wind Speed	33004	12/18/95	3-cup	Hydrolynx	5050WS	12.5	mph	15 minutes
Wind Direction	33005	10/22/01	Pointer	Hydrolynx	5050WD	12.9	deg	15 minutes
Peak Wind	33006	12/19/95	---	---	---	---	mph	15 minutes
Solar Radiation	33011	12/18/95	Silicon photovoltaic cell	Hydrolynx	4015	11.5	watt/sqm	30 minutes
Barometric Pressure	33003	12/18/95	Solid state	Hydrolynx	1522	8.7	mb, inHg	30 minutes

