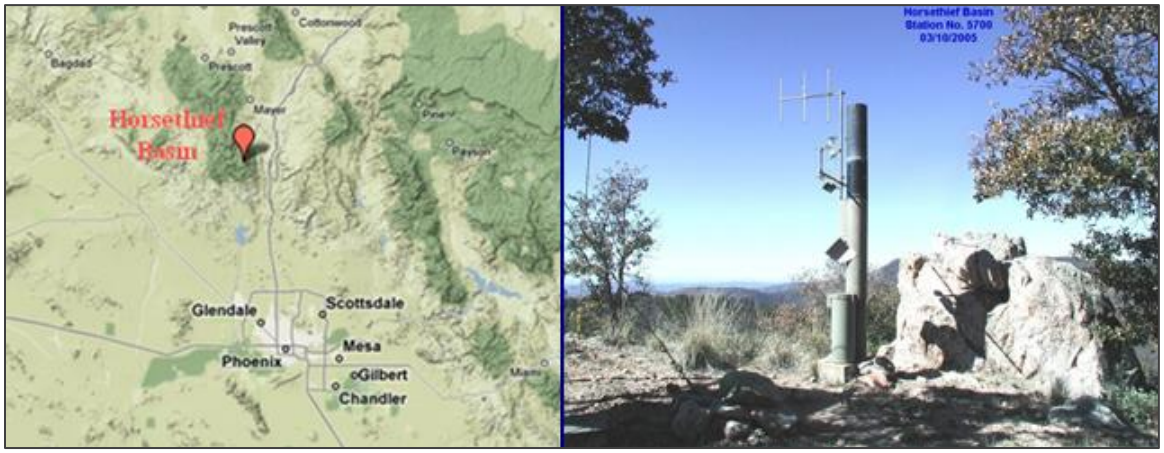
Climate Summary Report
Horsethief Basin Weather Station

Crown King, Arizona
Period of Record: Calendar Years 1996-2024
Date of Station Installation: 11/24/1986
Weather Sensor Installation: 12/21/1987



State: Arizona
County: Yavapai
Latitude: 34° 09’ 44.6” (34.1624)
Longitude: 112° 16’ 14.1” (-112.2705)
TRS: T9N-R1E-Section 33
Location: At Horsethief Basin Recreation Area 6 miles SE of Crown King
Time Zone: MST – all year
Data Repeater: Direct
Elevation: 6,710 ft. msl
Owner: Flood Control District of Maricopa County
NWS CWA/Zone #: Flagstaff, 08
Archived: Yes, from date of sensor installation
Site Description: flat ground, Soil type – dirt, rocks, small shrubs
Obstructions: 40’ fire lookout tower 20’ to NE of station

* For information on annual and monthly rainfall totals at Horsethief Basin refer to http://alert.fcd.maricopa.gov/alert/Rain/FOPR/16000_FOPR.xlsx.

Flood Control District of Maricopa County

2801 W. Durango St. Phoenix, AZ 85009 602-506-1501

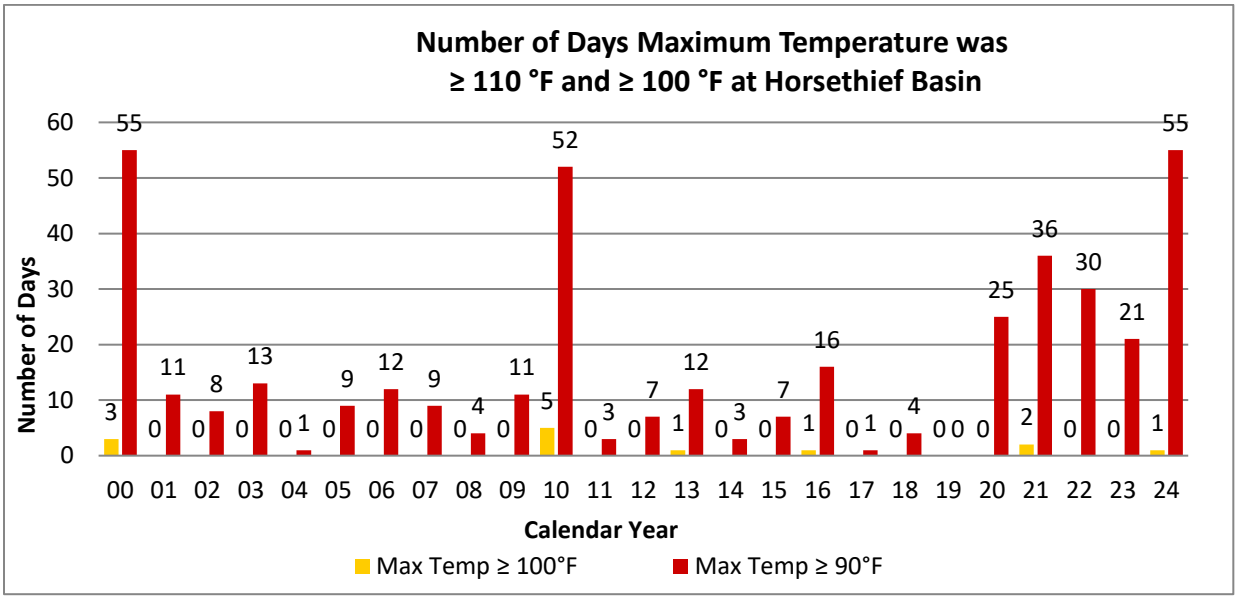
Horsethief Basin Weather Station
1996-2024

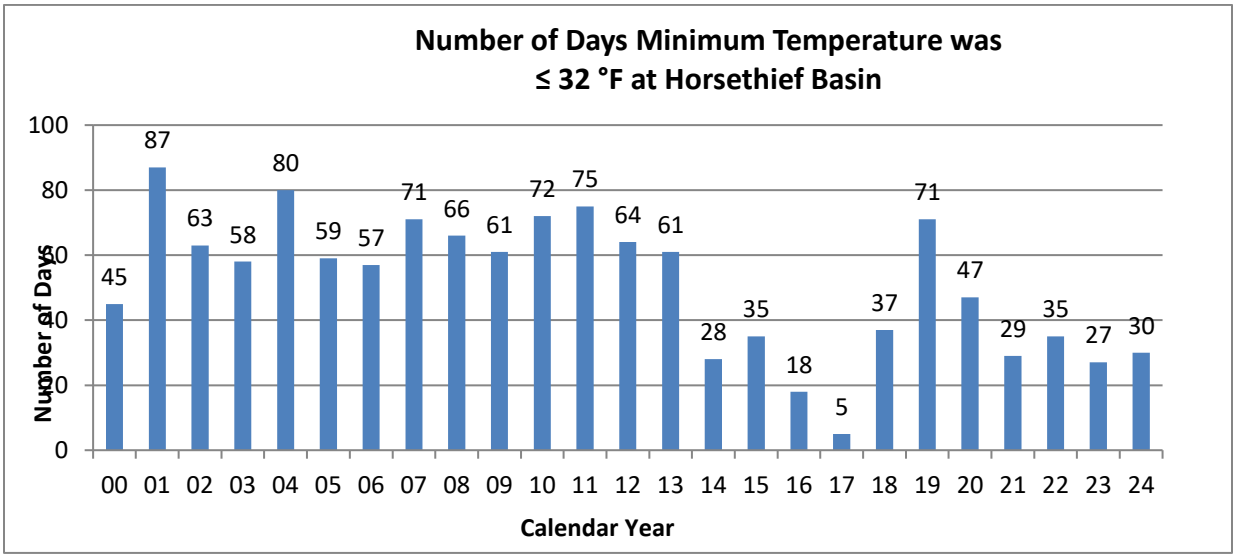
All-Time Records*

Temperature	High	106°F	8/24/2010
	Low	2°F	2/2/2011
Wind	Peak Wind Gust	69 MPH	12/7/2009
Dewpoint	Maximum Dewpoint	86°F	9/3/2009

*Most recent date of occurrence observed.

Temperature Statistics





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Horsethief Basin 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	100	7/5	14	1/8	58.6	61	6/26	49	3/30
2023	97	7/15	3	3/9	52.0	68	9/9	50	2/22
2022	96	7/16	18	2/24	59.9	75	8/14	43	4/19
2021	103	6/15	24	12/15	60.3	75	6/29	45	12/24
2020	96	7/11	14	2/5	58.8	64	8/30	41	2/22
2019	88	8/21	11	1/2	53.4	58	9/10	48	11/20
2018	92	7/5	17	12/29	56.1	63	7/18	52	10/9
2017	90	6/20	27	1/27	59.7	67	8/13	45	2/17
2016	100	6/19	16	2/2	59.8	70	8/4	49	1/31
2015	94	8/14	16	1/2	58.1	66	6/29	44	11/16
2014	94	7/23	19	12/31	56.6	66	8/13	46	5/10
2013	100	6/28	9	1/15	55.0	67	8/31	40	4/16
2012	93	8/8	19	3/19	56.3	68	7/29	45	1/21
2011	93	7/2	2	2/2	53.6	63	8/14	48	2/19
2010	106	8/24	8	12/31	55.3	74	8/2	63	1/21
2009	96	8/28	20	12/8	56.4	86	9/3	69	12/7
2008	94	7/8	11	1/17	55.6	72	8/28	56	12/25
2007	95	7/4	10	1/13	55.8	74	12/1	51	12/1
2006	97	7/21	14	11/30	55.4	68	7/28	42	4/14
2005	93	7/18	19	11/27	54.9	68	78/11	47	4/23
2004	93	8/8	15	12/24	53.9	67	7/14	47	12/29
2003	98	7/14	16	12/28	55.9	69	9/7	46	12/26
2002	94	7/11	13	1/31	55.3	63	9/7	34	3/8
2001	95	7/2	14	12/16	55.0	66	8/10	34	5/2
2000	103	7/28	23	11/18	60.0	69	8/27	31	6/30

*Latest date of occurrence observed.

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Horsethief Basin 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	70	1/31/1995	40.9	8	1/1/2011	63	1/21/2010	4.1
February	71	2/25/1993	41.1	2	2/2/2011	50	2/19/2011	4.7
March	80	3/12/1993	45.6	3	3/9/2023	51	3/22/2009	5.1
April	87	4/4/1991	53.3	21	4/4/1999	49	4/3/2009	6.0
May	94	5/7/1991	61.5	30	5/23/2019	46	5/10/2014	5.7
June	103	6/15/2021	72.1	43	6/4/1999	43	6/21/2003	5.3
July	103	7/28/1995	75.0	51	7/25/1993	32	7/25/2018	3.9
August	106	8/24/2010	73.1	51	8/30/1993	36	8/8/2018	3.4
September	101	9/30/2010	68.9	43	9/16/1993	43	9/19/2004	3.7
October	92	10/6/2024	58.3	21	10/13/2008	52	10/9/2018	3.9
November	80	11/6/1992	48.2	14	11/30/2006	51	11/30/2007	4.1
December	71	12/21/1992	41.2	8	12/25/1997	69	12/7/2009	4.2

[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.

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	16000	Since 09/25/92 10/01/87-09/25/92 07/01/81-10/01/87	Tipping Bucket	Hydrolynx	5050P	12.9	mm	Variable
Temperature	16001	12/21/87	Probe, Radiation Shield	Hydrolynx	HMP155, 4550	10.4	deg F/C	15 minutes
Relative Humidity	16002	12/21/87	Probe, Radiation Shield	Hydrolynx	HMP155, 4550	10.4	%	15 minutes
Dewpoint (calculated)	16016	07/08/94	---	---	---	---	deg F	15 minutes
Wind Speed	16004	12/21/87	Mechanical Wind	R.M Young	05103	10.3	mph	15 minutes
Wind Direction	16005	05/01/01	Sensors	R.M Young	05103	10.1	deg	15 minutes
Peak Wind	16006	07/19/93	---	---	---	---	mph	15 minutes
Solar Radiation	16011	12/03/87	Silicon photovoltaic cell	Hydrolynx	4015	12.3	watt/sqm	30 minutes
Barometric Pressure	16003	04/08/93	Solid state	Hydrolynx	1522	6.8	mb, inHg	30 minutes