



JULY 2013

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

BISHOP, CA
BISHOP AIRPORT (KBIH)
 Lat:37° 22'N Long: 118° 21'W Elev (Ground) 4102 Feet
 Time Zone : PACIFIC WBAN: 23157 ISSN#: 0198-070X



Date	Temperature °F						Deg Days BASE 65°		WEATHER	SNOW/ICE ON GND(IN)		PRECIPITATION ON GND(IN)		PRESSURE (INCHES OF HG)		WIND SPEED = MPH DIR = TENS OF DEGREES								Date
	MAXIMUM	MINIMUM	AVERAGE	DEP FROM NORMAL	AVERAGE DEW PT	AVERAGE WET BULB	HEATING	COOLING		0400 LST	1000 LST	2400 LST	2400 LST	AVERAGE STATION	AVERAGE SEA LEVEL	RESULTANT SPEED	RES DIR	AVERAGE SPEED	MAXIMUM					
																			3-SEC		2-MIN			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
01	109*	63	86	10	38	60	0	21		0		0.0	0.00	25.80	29.83	0.5	34	7.6	41	35	30	34	01	
02	105	72	89*	13	43	61	0	24		0		0.0	0.00	25.84	29.90	6.6	34	10.0	40	25	32	25	02	
03	104	71	88	12	43	61	0	23	TS RA VCTS	0		0.0	T	25.81	29.85	9.0	35	10.8	43	01	32	36	03	
04	102	63	83	7	44	60	0	18	TS RA VCTS	0		0.0	T	25.72	29.77	3.2	27	8.1	35	15	28	15	04	
05	101	60	81	5	41	59	0	16	RA	0		0.0	T	25.63	29.67	5.8	30	7.9	26	26	22	25	05	
06	101	57	79	2	31	55	0	14		0		0.0	0.00	25.63	29.66	1.6	14	7.1	30	15	21	15	06	
07	102	55	79	2	27	54	0	14		0		0.0	0.00	25.69	29.72	2.1	33	7.3	25	29	20	16	07	
08	99	55	77	0	25	53	0	12		0		0.0	0.00	25.79	29.85	2.6	31	5.8	21	19	14	34	08	
09	101	55	78	1	22	53	0	13		0		0.0	0.00	25.87	29.94	2.9	30	5.6	23	28	18	26	09	
10	97	53	75	-2	31	54	0	10		0		0.0	0.00	25.83	29.90	0.5	25	5.1	33	14	24	14	10	
11	87	70	79	2	50	62	0	14	RA	0		0.0	T	25.77	29.84	10.4	16	11.3	29	16	24	15	11	
12	96	57	77	0	39	57	0	12		0		0.0	0.00	25.74	29.81	5.8	17	7.5	28	15	21	15	12	
13	97	54	76	-2	29	53	0	11		0		0.0	0.00	25.78	29.84	2.7	25	7.9	25	27	20	26	13	
14	100	52	76	-2	29	54	0	11		0		0.0	0.00	25.79	29.85	1.0	21	4.5	22	16	14	14	14	
15	101	60	81	3	35	57	0	16		0		0.0	0.00	25.68	29.71	8.8	16	11.5	35	16	25	16	15	
16	97	70	84	6	25	55	0	19		0		0.0	0.00	25.71	29.75	16.7	16	17.3	33	15	26	16	16	
17	99	51*	75	-3	21	52	0	10		0		0.0	0.00	25.84	29.92	6.7	17	9.5	29	15	20	15	17	
18	102	54	78	0	17	52	0	13		0		0.0	0.00	25.82	29.89	2.4	18	6.0	26	18	16	19	18	
19	106	56	81	3	28	55	0	16		0		0.0	0.00	25.75	29.80	3.0	18	7.1	28	18	18	13	19	
20	107	63	85	7	36	59	0	20		0		0.0	0.00	25.70	29.73	3.1	12	6.5	36	08	28	09	20	
21	102	67	85	7	46	61	0	20	TS RA HZ VCTS	0		0.0	0.01	25.72	29.76	6.1	15	8.4	53*	18	37*	19	21	
22	96	67	82	4	56	64	0	17	TS TSRA RA VCTS	0		0.0	0.31	25.82	29.90	3.9	14	8.2	39	15	30	15	22	
23	89	63	76	-2	57	63	0	11	TS RA	0		0.0	0.05	25.86	29.96	3.9	15	6.3	38	18	30	18	23	
24	98	61	80	2	50	63	0	15		0		0.0	0.00	25.80	29.87	3.4	18	5.9	26	33	15	15	24	
25	100	70	85	7	49	63	0	20	RA	0		0.0	T	25.84	29.89	3.1	32	6.9	29	36	23	36	25	
26	94	64	79	1	49	61	0	14		0		0.0	0.00	25.92	30.00	6.4	16	10.6	44	15	36	16	26	
27	85	64	75	-3	59	64	0	10	RA	0		0.0	0.10	25.87	29.97	4.2	16	6.6	32	16	25	16	27	
28	90	56	73*	-5	51	60	0	8	RA HZ VCTS	0		0.0	0.01	25.74	29.82	1.2	21	5.8	35	33	26	16	28	
29	95	54	75	-3	43	57	0	10	HZ	0		0.0	0.00	25.77	29.86	2.3	16	7.0	30	12	20	16	29	
30	96	53	75	-3	38	56	0	10	HZ	0		0.0	0.00	25.87	29.96	7.5	15	10.0	38	15	24	17	30	
31	98	57	78	1	29	54	0	13	HZ	0		0.0	0.00	25.82	29.89	9.2	16	12.8	37	17	28	17	31	
98.6		60.2	79.4	☼	38.1	57.8	0.0	14.7	< MONTHLY AVERAGES TOTALS >		0.0	0.48	25.78	29.84	2.4	17	8.2	< MONTHLY AVERAGES						
0.2		4.0	2.1		-----DEPARTURE FROM NORMAL ----->								0.31	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3										
DEGREE DAYS									GREATEST 24-HR PRECIPITATION : 3.19 DATE : 21				SEA LEVEL PRESSURE				DATE		TIME					
MONTHLY									GREATEST 24-HR SNOWFALL : 0.0 DATE :				MAXIMUM :				30.07		27 0756					
SEASON TO DATE									GREATEST SNOW DEPTH : 0 DATE :				MINIMUM :				29.59		06 1856					
TOTAL DEPARTURE			TOTAL DEPARTURE			NUMBER OF -> DAYS WITH				MAXIMUM TEMP >= 90 : 28		MINIMUM TEMP <= 32 : 0		PRECIPITATION >= 0.01 INCH: 5										
HEATING :			0 -1			0 -1				MAXIMUM TEMP <= 32 : 0		MINIMUM TEMP <= 0 : 0		PRECIPITATION >= 0.10 INCH: 2										
COOLING :			455 73			871 207				THUNDERSTORMS : 5		HEAVY FOG : 0		SNOWFALL >= 1.0 INCH : 0										

JULY 2013
BISHOP, CA

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

BISHOP, CA (KBIH)
JULY 2013

WBAN # 23157

Date	FOR HOUR (LST) ENDING AT												Date	FOR HOUR (LST) ENDING AT												Date	Sum of Hourly Data	2400 LST Water Equiv.
	1	2	3	4	5	6	7	8	9	10	11	12		13	14	15	16	17	18	19	20	21	22	23	24			
01													01												01	0.00	0.00	
02													02												02	0.00	0.00	
03													03												03	T	T	
04													04	T	T	T									04	T	T	
05													05		T										05	T	T	
06													06												06	0.00	0.00	
07													07												07	0.00	0.00	
08													08												08	0.00	0.00	
09													09												09	0.00	0.00	
10													10												10	0.00	0.00	
11				T	T								11												11	T	T	
12													12												12	0.00	0.00	
13													13												13	0.00	0.00	
14													14												14	0.00	0.00	
15													15												15	0.00	0.00	
16													16												16	0.00	0.00	
17													17												17	0.00	0.00	
18													18												18	0.00	0.00	
19													19												19	0.00	0.00	
20													20												20	0.00	0.00	
21													21		T	T				0.01	T	T			21	0.01	0.01	
22													22				T	0.30						0.01	22	0.31	0.31	
23	0.04	0.01	T					T	T				23												23	0.05	0.05	
24													24												24	0.00	0.00	
25				T									25												25	T	T	
26													26												26	0.00	0.00	
27		T	0.09	0.01	T	T							27												27	0.10	0.10	
28													28	T	T	0.01	T								28	0.01	0.01	
29													29												29	0.00	0.00	
30													30												30	0.00	0.00	
31													31												31	0.00	0.00	

* Indicates sum of Hourly and Daily disagree.

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	0.09	0.14	0.16	0.23	0.28	0.30	0.30	0.30	0.30	0.30	0.30	0.30
Ending Date	22	22	22	22	22	22	22	22	22	22	22	22
Ending Time (Hr/Min)	1647	1647	1646	1646	1647	1647	1647	1647	1647	1647	1647	1647

Note : The hourly and daily precipitation totals are printed in the last 2 columns and hi-lighted in red when they disagree. NWS does not edit ASOS hourly values but may edit daily and monthly totals. Hourly, daily, and monthly totals are printed as reported by the ASOS site.

Date and time are not entered for TRACE amounts.

REFERENCE NOTES & SUPPLEMENTAL SUMMARIES

* = Extreme for the month (last occurrence if more than one).

T = Trace precipitation amount.

+ = also occurs on earlier date.

FG+ = Heavy fog, visibility .25 miles or less.

BLANK entries denote missing or unreported data.

Resultant wind is the vector sum of the wind speeds and directions divided by the number of observations.

Wind direction is recorded in tens of degrees (2 digits) clockwise from true north. '00' = calm, 'VR' = variable.

Precipitation is for the 24-hour period ending at the time indicated in the column heading.

Ceilometer (30-second) data are used to derive cloudiness at or below 12,000 feet. This cloudiness is the mean cloud cover detected during sunrise to sunset (SR-SS), or midnight to midnight (MN-MN).

WEATHER NOTATIONS

QUALIFIER	WEATHER PHENOMENA		
DESCRIPTOR	PRECIPITATION	OBSCURATION	OTHER
BC Patches	DZ Drizzle	BR Mist	DS Duststorm
BL Blowing	GR Hail	DU Widespread Dust	FC Funnel Cloud
DR Low Drifting	GS Small Hail and/or Snow Pellets	FG Fog	+FC Tornado Waterspout
FZ Freezing	IC Ice Crystals	FU Smoke	PO Well-Developed Dust/Sand Whirls
MI Shallow	PL Ice Pellets	HZ Haze	
PR Partial	RA Rain	PY Spray	SQ Squalls
SH Shower(s)	SG Snow Grains	SA Sand	SS Sandstorm
TS Thunderstorm	SN Snow	VA Volcanic Ash	
VC In the Vicinity	UP Unkown Precipitation		GL Glaze

Intensity (as indicated on pages 4 to 6):
'+' = Heavy '' = Moderate '-' = Light

BISHOP, CA JULY 2013

Sky Condition is based on the sum (not to exceed 8) of the sunrise to sunset cloud cover below and above 12,000 feet.

Clear = 0-2 oktas, Partly Cloudy = 3-6 oktas, Cloudy = 7-8 oktas.

A Heating (Cooling) Degree Day is the difference between the average daily temperature and 65 degrees F. The HDD season begins July 1, the CDD season begins January 1.

Snow Depth, Snowfall, and Sunshine data may come from nearby sites that the National Weather Service deems Climatologically representative of this site.

NORMALS ARE FOR THE YEARS 1981-2010

ADDITIONAL NOTES & ERRATA:

Beginning with the January 2013 LCD, monthly mean temperature calculations have changed to the National Data Stewardship Team standard. Monthly maximum and minimum temperature are not rounded until after monthly mean temperature is calculated. This is the most accurate outcome, but may be slightly different from the mean derived from rounded monthly maximum and minimum.

Date	VISIBILITY (MILES)	
	MINIMUM	MAXIMUM
01	7.00	10.00
02	10.00	10.00
03	10.00	10.00
04	10.00	10.00
05	10.00	10.00
06	10.00	10.00
07	10.00	10.00
08	10.00	10.00
09	10.00	10.00
10	10.00	10.00
11	10.00	10.00
12	10.00	10.00
13	10.00	10.00
14	10.00	10.00
15	10.00	10.00
16	10.00	10.00
17	10.00	10.00
18	10.00	10.00
19	10.00	10.00
20	10.00	10.00
21	10.00	10.00
22	7.00	10.00
23	10.00	10.00
24	10.00	10.00
25	10.00	10.00
26	9.00	10.00
27	7.00	10.00
28	5.00	10.00
29	4.00	10.00
30	3.00	10.00
31	6.00	10.00
AVGS	8.97	10.00
MINIMUM VISIBILITY (MILES)		
<= .25	<= 3.0	>= 7.0
0	1	27

OBSERVATIONS AT 3-HOURLY INTERVALS

BISHOP, CA
JULY 2013

KBIH

WBAN # 23157

Table with columns: HOUR (LST), SKY COVER, CEILING (100's of FT.), VISIBILITY (MILES), WEATHER, TEMPERATURE °F (Dry Bulb, Dew Point, Wet Bulb), RELATIVE HUMIDITY (PCT), WIND (Speed, Direction), PRESSURE (Inches, HG).

Table with columns: HOUR (LST), SKY COVER, CEILING (100's of FT.), VISIBILITY (MILES), WEATHER, TEMPERATURE °F (Dry Bulb, Dew Point, Wet Bulb), RELATIVE HUMIDITY (PCT), WIND (Speed, Direction), PRESSURE (Inches, HG).

3-HOURLY OBSERVATION NOTES

Sky Cover is the amount of the sky obscured. CLR or SKC = 0, FEW = 1/8-2/8, SCT = 3/8-4/8, BKN = 5/8-7/8, OVC = 8/8, W = Vertical Visibility = 8/8

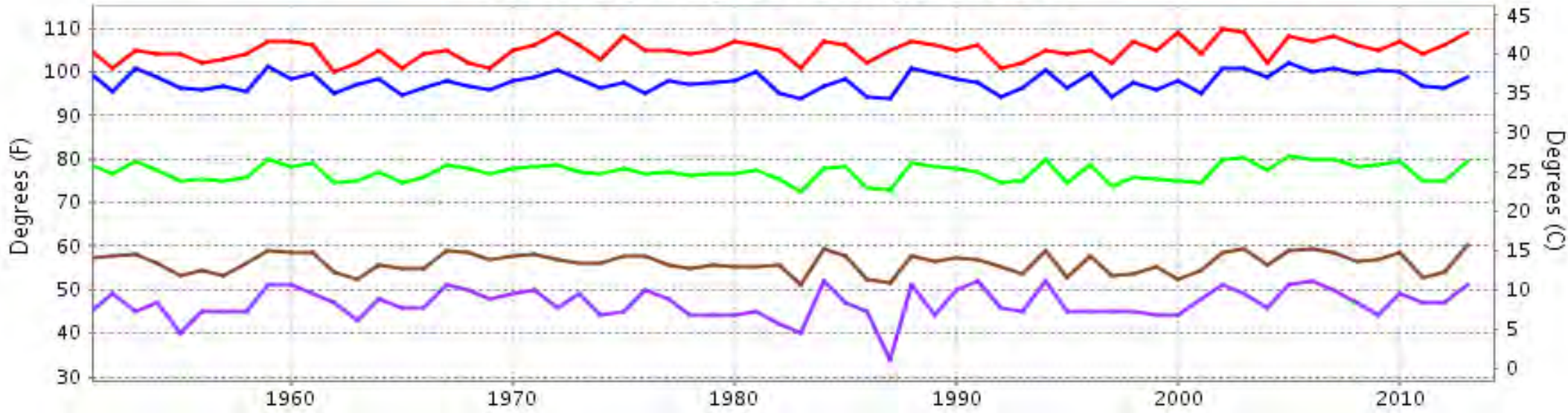
Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet. NC = No Ceiling detected.

& = Original observation contained additional weather elements. See page 3 for additional notes.

SUMMARY BY HOUR

Summary table with columns: HOUR (LST), DRY BULB, DEW POINT, WET BULB, RELATIVE HUMIDITY, PRESSURE (Station, Sea Level), VISIBILITY (Miles), WIND SPEED (MPH), RESULTANT WIND (Speed, Direction).

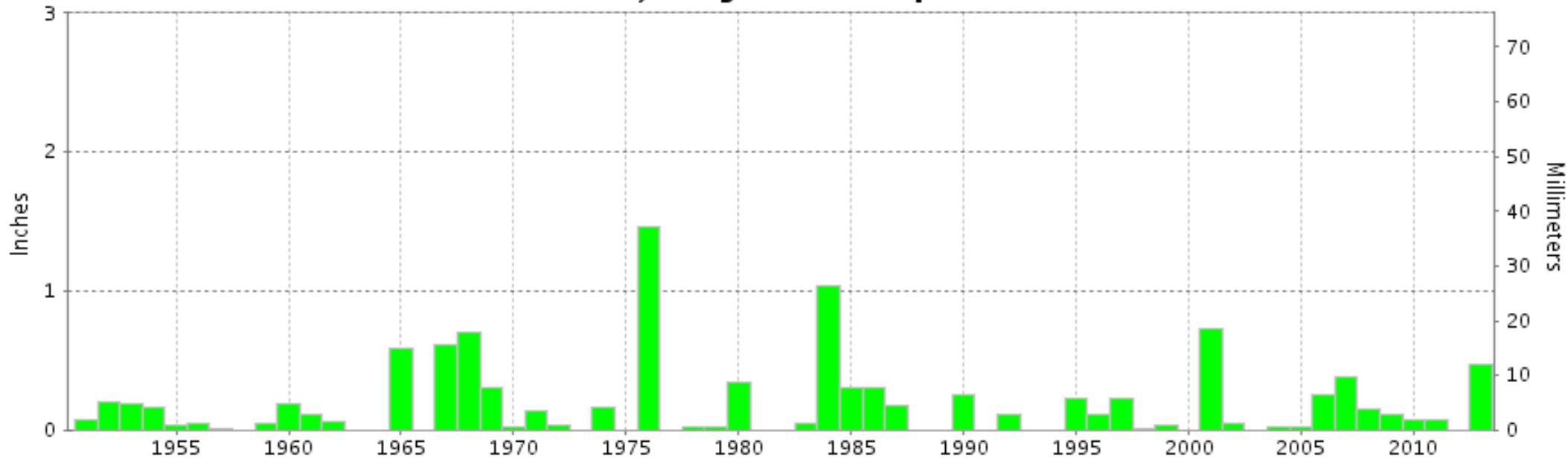
BISHOP, CA JULY Temperatures



— Extreme Max — Mean Max — Mean — Mean Min — Extreme Min

Long-Term (1951-2013) Mean: 77.0
1971-2000 Normal: 77.3

BISHOP, CA JULY Precipitation



Long-Term (1951-2013) Mean Monthly Total: 0.17

1971-2000 Normal: 0.17



**JULY 2013
BISHOP, CA**

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

I certify that this is an official publication of the National Oceanic and Atmospheric Administration (NOAA). It is compiled using information from weather observing sites operated by NOAA-National Weather Service / Department Of Transportation-Federal Aviation Administration and received at the National Climatic Data Center (NCDC), Asheville, North Carolina 28801.

A handwritten signature in black ink, appearing to read "Thomas R. Karl".

DIRECTOR

NCDC now offers free online access to the **Edited Local Climatological Data Publication**. Go to : www.ncdc.noaa.gov and choose Most Popular.

We welcome your questions or comments, please contact us at:
(828) 271-4800, option 2
Fax Number : 828-271-4876
TDD : (828) 271-4010
or Email : ncdc.orders@noaa.gov

NOAA\National Climatic Data Center
Attn: User Engagement & Services Branch
151 Patton Avenue
Asheville, NC 28801-5001