

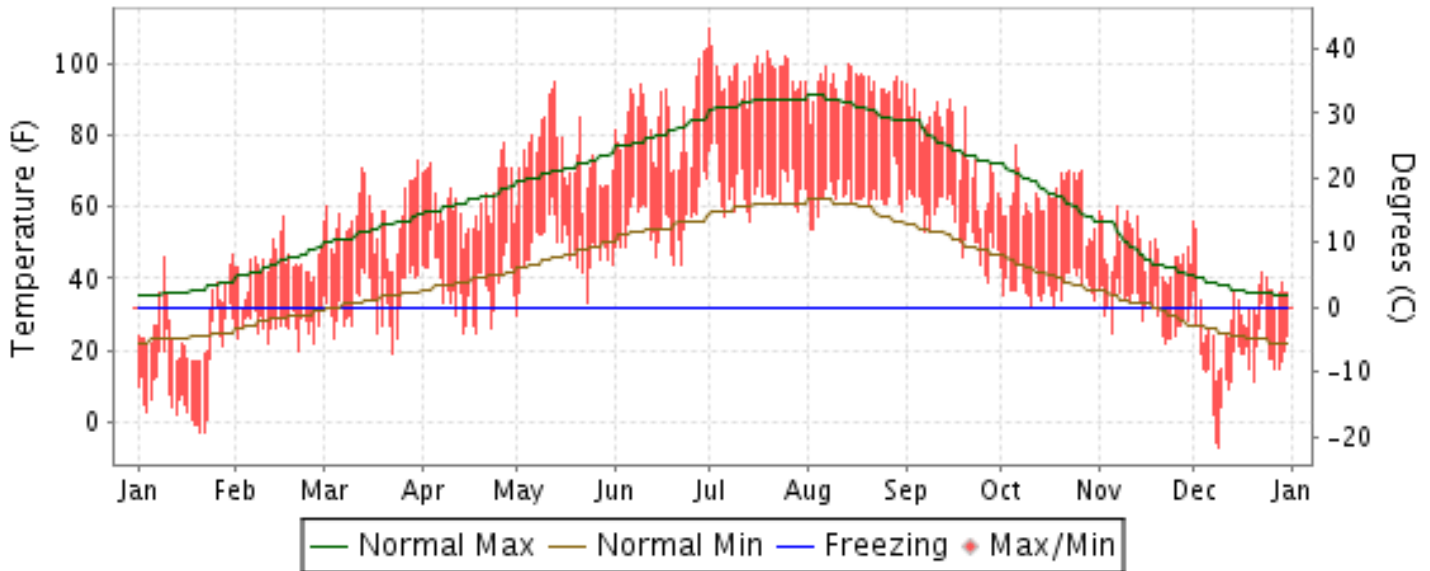


2013 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

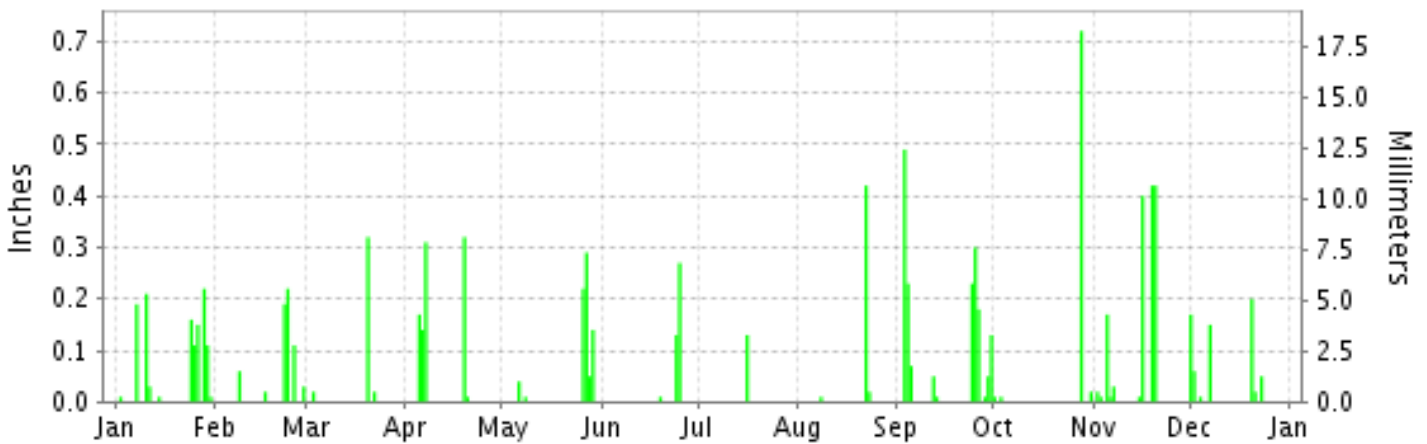
ISSN 0198-1765

BOISE, IDAHO (KBOI)

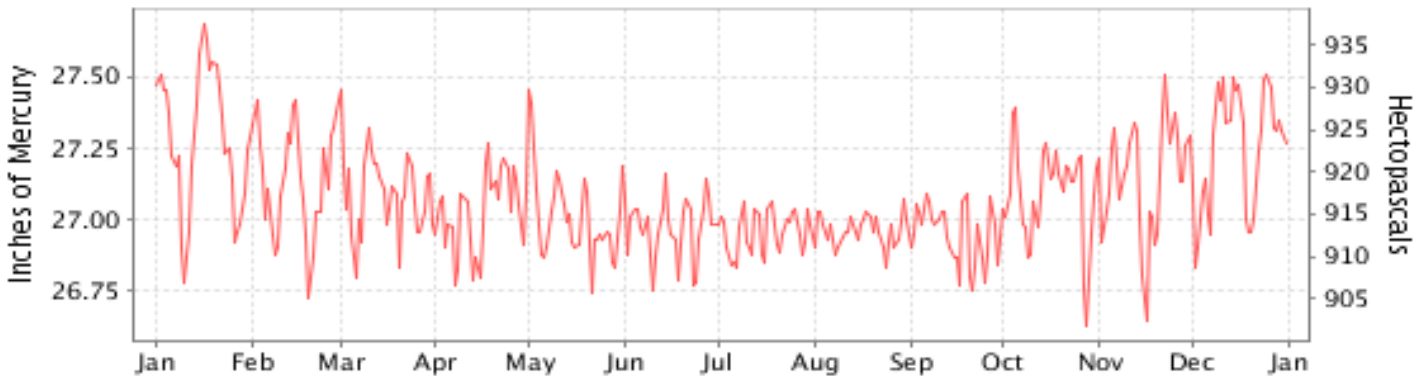
Daily Max/Min Temperature



Daily Precipitation



Daily Station Pressure



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NATIONAL
CLIMATIC DATA CENTER
ASHEVILLE, NORTH CAROLINA

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METEOROLOGICAL DATA FOR 2013

BOISE (KBOI)

LATITUDE: 43° 33'N LONGITUDE: 116° 14'W ELEVATION (FT): GRND: 2814 BARO: 2861 TIME ZONE: MOUNTAIN (UTC -7) WBAN: 24131

ELEMENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	27.2	43.9	56.8	62.1	74.2	84.5	97.5	93.7	77.9	62.4	48.3	31.4	63.3	
	HIGHEST DAILY MAXIMUM	47	57	73	78	95	104	110	100	94	77	60	56	110	
	DATE OF OCCURRENCE	31	16	31	27	13	30	01	14	01	06	07	01	JUL 01	
	MEAN DAILY MINIMUM	12.0	27.0	33.3	37.7	47.8	55.4	65.4	62.7	55.3	37.9	31.2	16.4	40.2	
	LOWEST DAILY MINIMUM	-3	20	19	25	30	44	56	54	39	32	22	-7	-7	
	DATE OF OCCURRENCE	22+	21	23	18+	01	22+	14	03+	27	18+	22	09	DEC 09	
	AVERAGE DRY BULB	19.6	35.5	45.1	49.9	61.0	69.9	81.5	78.2	66.6	50.2	39.7	23.9	51.8	
	MEAN WET BULB	17.9	31.2	36.9	40.3	47.8	53.8	57.7	58.3	54.7	41.7	35.6	22.2	41.5	
	MEAN DEW POINT	14.2	25.3	25.9	26.7	33.3	38.8	37.1	42.7	45.3	32.7	30.8	18.6	31.0	
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 90°	0	0	0	0	3	10	30	27	3	0	0	0	73	
	MAXIMUM <= 32°	21	1	0	0	0	0	0	0	0	0	0	17	39	
	MINIMUM <= 32°	30	28	13	7	1	0	0	0	0	2	17	29	127	
MINIMUM <= 0°	4	0	0	0	0	0	0	0	0	0	0	2	6		
H/C	HEATING DEGREE DAYS	1402	820	610	445	162	35	0	0	91	452	751	1264	6032	
	COOLING DEGREE DAYS	0	0	0	0	47	191	516	418	148	0	0	0	1320	
RH	MEAN (PERCENT)	81	70	52	44	40	37	23	32	52	57	74	81	54	
	HOUR 05 LST	85	80	70	64	59	57	38	50	66	75	86	85	68	
	HOUR 11 LST	77	62	41	34	30	27	19	25	45	45	63	75	45	
	HOUR 17 LST	77	58	33	27	26	23	11	17	41	41	66	79	42	
	HOUR 23 LST	84	79	59	50	46	43	27	34	60	65	80	84	59	
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	9	8	2	0	0	0	0	0	0	0	1	6	26	
	THUNDERSTORMS	0	0	2	1	1	1	1	3	3	0	0	0	12	
PR	MEAN STATION PRESS. (IN.)	27.28	27.14	27.09	27.03	27.01	26.97	26.95	26.96	26.94	27.09	27.15	27.25	27.07	
	MEAN SEA-LEVEL PRESS. (IN.)	30.39	30.18	30.09	30.00	29.95	29.88	29.83	29.85	29.86	30.07	30.18	30.34	30.05	
WINDS	RESULTANT SPEED (MPH)	1.0	2.1	0.5	5.6	2.5	3.4	2.3	1.5	0.7	1.6	0.9	0.9	1.7	
	RES. DIR. (TENS OF DEGS.)	27	31	27	31	31	31	31	30	24	30	15	27	31	
	MEAN SPEED (MPH)	4.0	7.1	7.2	9.4	8.5	7.3	6.6	6.0	7.8	6.0	4.6	4.0	6.5	
	PREVAIL.DIR.(TENS OF DEGS.)	30	13	13	31	13	32	33	31	13	13	13	30	13	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	26	31	33	35	38	37	29	47	41	31	26	28	47	
	DIR. (TENS OF DEGS.)	30	32	31	33	09	32	14	19	25	32	30	34	19	
	DATE OF OCCURRENCE	10	09	17	08	08	18	11	22	05	03	20	02	AUG 22	
	MAXIMUM 3-SECOND WIND:														
SPEED (MPH)	33	39	46	46	48	46	37	60	51	39	32	33	60		
DIR. (TENS OF DEGS.)	30	27	31	35	08	31	25	20	26	33	14	33	20		
DATE OF OCCURRENCE	10	23	17	13	08	18	16	22	05	03	02	02	AUG 22		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	1.21	0.63	0.36	0.95	0.75	0.41	0.13	0.45	1.75	0.76	1.49	0.66	9.55	
	GREATEST 24-HOUR (IN.)	0.33	0.48	0.32	0.32	0.34	0.27	0.13	0.44	0.49	0.72	0.65	0.24	0.72	
	DATE OF OCCURRENCE	28-29	22-23	20	19	27-28	25	16	22-23	03	28	19-20	20-21	OCT 28	
	NUMBER OF DAYS WITH:														
PRECIPITATION 0.01	11	6	3	5	6	3	1	3	11	4	9	7	69		
PRECIPITATION 0.10	7	3	1	4	3	2	1	1	6	1	4	3	36		
PRECIPITATION 1.00	0	0	0	0	0	0	0	0	0	0	0	0	0		
SNOWFALL	SNOW,ICE PELLETS,HAIL	9.3	3.9	0.3	T	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.9	20.4	
	TOTAL (IN.)	2.5	1.8	0.3	T	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.3	2.5	
	GREATEST 24-HOUR (IN.)	28	08	22	16							16	20+	JAN 28	
	DATE OF OCCURRENCE	3	2	0	0	0	0	0	0	0	0	0	3	3	
	MAXIMUM SNOW DEPTH (IN.)	29+	08										21	DEC 21	
	DATE OF OCCURRENCE														
NUMBER OF DAYS WITH:															
SNOWFALL >= 1.0	4	2	0	0	0	0	0	0	0	0	1	2	9		

NORMALS, MEANS, AND EXTREMES BOISE (KBOI)

LATITUDE: 43° 33'N **LONGITUDE:** 116° 14'W **ELEVATION (FT):** GRND: 2814 BARO: 2861 **TIME ZONE:** MOUNTAIN (UTC -7) **WBAN: 24131**

	ELEMENT	POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	37.8	44.7	54.6	62.3	71.6	81.3	91.2	89.7	78.8	64.8	48.2	37.5	63.5
	MEAN DAILY MAXIMUM	74	37.0	44.0	53.2	61.5	71.1	79.7	90.9	88.7	77.9	64.7	48.4	38.6	63.0
	HIGHEST DAILY MAXIMUM	74	63	71	81	92	99	109	111	110	102	94	78	65	111
	YEAR OF OCCURRENCE		1953	1992	1978	1987	2003	1940	1960	1961	1945	1997	1999	1964	JUL 1960
	MEAN OF EXTREME MAXS.	74	51.5	58.5	68.7	79.0	89.6	97.9	103.0	101.0	94.1	82.3	65.0	53.5	78.7
	NORMAL DAILY MINIMUM	30	24.7	28.3	34.4	39.3	46.5	53.7	60.4	59.6	51.0	40.9	31.9	24.0	41.2
	MEAN DAILY MINIMUM	74	22.4	27.2	32.2	37.3	44.8	51.7	59.0	57.7	49.3	39.7	30.7	24.1	39.7
	LOWEST DAILY MINIMUM	74	-17	-15	6	19	22	31	35	34	23	11	-3	-25	-25
	YEAR OF OCCURRENCE		1950	1989	1971	1968	1982	1995	1986	1992	1970	1971	1985	1990	DEC 1990
	MEAN OF EXTREME MINS.	74	4.7	12.4	20.2	25.1	30.8	39.2	47.2	45.6	35.6	25.2	16.8	7.7	25.9
	NORMAL DRY BULB	30	31.3	36.5	44.5	50.8	59.1	67.5	75.8	74.7	64.9	52.8	40.0	30.7	52.4
	MEAN DRY BULB	74	29.7	35.6	42.7	49.4	58.0	65.8	75.0	73.2	63.6	52.2	39.5	31.3	51.3
	MEAN WET BULB	30	26.4	29.9	35.1	39.2	45.2	50.8	53.4	52.1	46.9	40.6	33.3	26.3	39.9
	MEAN DEW POINT	30	25.0	27.4	31.4	35.0	40.3	44.0	47.5	45.8	41.4	34.7	30.8	24.6	35.7
	NORMAL NO. DAYS WITH: MAXIMUM >= 90	30	0.0	0.0	0.0	0.1	1.4	6.3	19.0	16.8	3.8	0.1	0.0	0.0	47.5
	MAXIMUM <= 32	30	7.3	2.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	7.5	18.7
	MINIMUM <= 32	30	23.9	18.2	10.9	4.5	0.9	0.0	0.0	0.0	0.2	3.3	14.2	24.9	101.0
MINIMUM <= 0	30	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.4	
H/C	NORMAL HEATING DEG. DAYS	30	1046	798	636	429	226	64	8	10	103	385	748	1061	5514
	NORMAL COOLING DEG. DAYS	30	0	0	0	3	41	139	342	309	100	8	0	0	942
RH	NORMAL (PERCENT)	30	77	70	61	54	50	44	37	37	44	52	69	76	56
	HOURLY 05 LST	30	81	78	74	70	69	65	56	53	59	65	76	80	69
	HOURLY 11 LST	30	74	66	55	47	43	38	33	32	38	45	64	73	51
	HOURLY 17 LST	30	69	58	44	36	33	28	22	22	27	35	57	68	42
	HOURLY 23 LST	30	80	76	67	61	57	50	41	40	49	58	73	80	61
S	PERCENT POSSIBLE SUNSHINE	60	40	50	62	68	72	76	87	85	82	69	43	38	64
W/O	MEAN NO. DAYS WITH: HEAVY FOG(VISBY <= 1/4 MI)	50	6.0	2.8	0.8	0.2	0.1	0.1	0.0	0.0	0.1	0.6	2.6	5.0	18.3
	THUNDERSTORMS	66	0.0	0.3	0.6	1.0	2.3	2.5	2.3	2.2	1.4	0.4	0.2	0.1	13.3
CLOUDINESS	MEAN: SUNRISE-SUNSET (OKTAS)														
	MIDNIGHT-MIDNIGHT (OKTAS)														
	MEAN NO. DAYS WITH: CLEAR														
	PARTLY CLOUDY CLOUDY														
PR	MEAN STATION PRESSURE(IN)	30	27.17	27.10	27.03	27.00	26.97	26.97	26.99	26.99	27.03	27.08	27.12	27.16	27.05
	MEAN SEA-LEVEL PRES. (IN)	30	30.23	30.13	30.03	29.96	29.92	29.89	29.88	29.89	29.95	30.05	30.14	30.22	30.02
WINDS	MEAN SPEED (MPH)	30	6.7	7.7	8.8	8.8	8.4	8.2	7.6	7.4	7.3	7.1	7.1	7.0	7.7
	PREVAIL.DIR.(TENS OF DEGS)	43	14	14	14	31	32	32	33	14	14	14	14	14	14
	MAXIMUM 2-MINUTE: SPEED (MPH)	18	40	39	45	46	41	46	44	47	41	39	45	45	47
	DIR. (TENS OF DEGS)		14	31	30	31	31	29	04	19	25	31	30	31	19
	YEAR OF OCCURRENCE		2010	2003	2009	1998	2008	2008	2003	2013	2013	2009	2008	2000	AUG 2013
	MAXIMUM 3-SECOND SPEED (MPH)	18	49	51	53	52	49	60	51	68	56	58	56	63	68
	DIR. (TENS OF DEGS)		13	20	12	30	19	28	29	18	29	26	29	30	18
YEAR OF OCCURRENCE		2010	2009	2011	2006	2010	2012	2011	2010	2007	2009	2010	2000	AUG 2010	
PRECIPITATION	NORMAL (IN)	30	1.24	0.99	1.39	1.23	1.39	0.69	0.33	0.24	0.58	0.75	1.35	1.55	11.73
	MAXIMUM MONTHLY (IN)	74	3.87	3.70	3.46	3.04	4.40	3.41	1.62	2.37	2.93	2.59	3.36	4.23	4.40
	YEAR OF OCCURRENCE		1970	1986	1989	1955	1998	1941	1982	1968	1986	2000	1988	1983	MAY 1998
	MINIMUM MONTHLY (IN)	74	0.12	0.18	0.17	0.09	T	0.01	0.00	0.00	0.00	0.00	0.14	0.09	0.00
	YEAR OF OCCURRENCE		1949	1997	1994	1949	1992	1966	1947	1998	1987	1988	1976	1976	AUG 1998
	MAXIMUM IN 24 HOURS (IN)	74	1.48	1.00	1.65	1.27	2.05	2.24	0.94	1.61	1.74	1.06	0.88	1.16	2.24
	YEAR OF OCCURRENCE		1953	1951	1981	1969	1990	1958	1960	1979	1976	2000	1971	1955	JUN 1958
	NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01	30	10.5	9.0	10.0	8.8	7.7	5.0	2.6	2.4	3.7	5.5	10.6	11.8	87.6
PRECIPITATION >= 1.00	30	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	
SNOWFALL	NORMAL (IN)	30	5.1	2.8	1.3	0.3	0.0	0.0	0.0	0.0	0.0	0.1	2.6	7.0	19.2
	MAXIMUM MONTHLY (IN)	74	21.4	25.2	11.9	8.0	4.0	T	T	0.0	T	2.7	18.6	26.2	26.2
	YEAR OF OCCURRENCE		1964	1949	1951	1967	1964	2008	1995	2012	1998	1971	1985	1983	DEC 1983
	MAXIMUM IN 24 HOURS (IN)	74	8.5	13.0	6.4	7.2	4.0	T	T	T	T	1.7	6.5	9.8	13.0
	YEAR OF OCCURRENCE		1950	1949	1952	1969	1964	1995	1995	1989	1998	1971	1964	1996	FEB 1949
	MAXIMUM SNOW DEPTH (IN)	65	12	9	6	1	0	0	0	0	0	0	11	13	13
	YEAR OF OCCURRENCE		1982	1949	1952	1975							1985	1985	DEC 1985
NORMAL NO. DAYS WITH: SNOWFALL >= 1.0	30	1.8	1.1	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.1	1.1	2.3	6.9	

PRECIPITATION (inches) 2013 BOISE (KBOI)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1984	0.80	0.86	1.43	1.62	1.06	1.47	0.23	1.24	0.69	0.85	2.36	0.63	13.24
1985	0.20	0.55	0.97	0.90	1.52	0.37	0.85	0.04	1.81	0.84	1.85	1.24	11.14
1986	0.98	3.70	2.01	1.55	1.10	0.35	0.17	0.07	2.93	0.33	1.00	0.12	14.31
1987	0.73	1.24	2.01	0.38	0.69	0.58	0.70	0.11	0.00	T	1.00	1.05	8.49
1988	1.30	0.43	1.45	1.80	1.33	0.47	0.02	0.09	0.24	0.00	3.36	0.81	11.30
1989	1.14	1.15	3.46	0.46	0.21	0.08	0.03	0.78	1.20	1.24	0.59	0.10	10.44
1990	0.84	0.79	0.77	2.14	4.07	0.11	0.42	0.39	0.50	0.45	0.61	0.98	12.07
1991	0.96	0.46	0.55	1.65	1.57	0.64	0.37	0.04	0.21	0.91	1.76	0.35	9.47
1992	0.36	0.92	0.17	0.66	T	2.07	0.03	T	0.30	0.90	1.37	0.89	7.67
1993	1.65	0.96	2.45	2.09	0.92	2.10	0.52	0.24	T	0.47	0.38	0.98	12.76
1994	1.28	0.90	0.17	1.25	1.01	0.24	0.10	T	0.10	0.78	1.78	1.79	9.40
1995	2.10	0.51	1.51	1.03	2.36	0.88	0.59	0.06	0.22	0.42	2.20	2.14	14.02
1996	1.33	1.07	1.97	1.47	1.67	0.21	.12	T	.46	.68	1.71	3.43	14.12
1997	2.74	0.18	0.52	1.89	1.14	1.35	0.45	0.27	0.67	0.55	0.68	0.65	11.09
1998	2.73	1.39	0.99	0.81	4.40	1.21	0.49	0.00	1.96	0.11	0.97	1.65	16.71
1999	1.40	1.96	0.75	0.61	1.10	0.47	T	0.29	0.00	0.11	1.00	0.90	8.59
2000	1.51	2.06	1.69	1.01	0.83	0.14	0.03	0.10	0.60	2.59	0.68	0.80	12.04
2001	1.07	0.49	1.07	1.20	0.27	0.32	0.15	T	0.44	0.86	1.52	1.15	8.54
2002	0.94	0.19	1.06	0.83	0.01	0.19	0.09	0.05	0.39	0.31	0.87	2.03	6.96
2003	1.56	0.87	1.48	1.39	1.35	0.18	0.27	0.33	0.04	T	1.02	1.62	10.11
2004	1.85	1.46	0.51	0.36	2.37	0.26	0.59	0.44	0.25	1.53	0.70	1.24	11.56
2005	0.23	0.34	1.20	1.16	3.96	0.91	0.02	T	0.32	0.44	1.71	3.37	13.66
2006	1.77	0.41	2.19	1.82	1.19	0.82	0.24	0.02	0.16	0.40	1.43	1.69	12.14
2007	0.19	1.27	0.32	1.06	0.23	0.94	0.02	0.04	0.65	1.03	1.06	1.27	8.08
2008	0.94	0.55	1.21	0.26	0.65	0.53	0.28	T	0.94	0.75	1.39	1.75	9.25
2009	0.87	0.20	1.26	0.72	0.98	1.54	0.04	1.79	0.01	1.39	0.71	1.75	11.26
2010	1.35	0.83	1.72	1.58	2.30	0.81	0.11	0.27	0.01	1.18	1.57	3.25	14.98
2011	1.33	0.52	2.25	1.53	1.81	0.46	0.02	T	0.09	1.79	0.33	0.36	10.49
2012	2.72	0.67	2.23	1.94	0.90	0.19	0.07	T	0.05	1.01	0.58	1.09	11.45
2013	1.21	0.63	0.36	0.95	0.75	0.41	0.13	0.45	1.75	0.76	1.49	0.66	9.55
POR= 74 YRS	1.41	1.08	1.25	1.20	1.28	0.84	0.25	0.29	0.57	0.81	1.31	1.41	11.70

WBAN : 24131

AVERAGE TEMPERATURE (°F) 2013 BOISE (KBOI)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1984	21.2	30.2	41.9	45.9	54.8	61.7	74.2	75.5	60.1	46.9	39.1	22.9	47.9
1985	19.1	25.8	36.0	51.6	58.5	67.2	77.7	69.2	56.2	48.4	27.7	12.6	45.8
1986	29.4	41.0	48.0	48.3	59.1	72.0	69.6	75.9	57.4	52.6	40.4	28.0	51.8
1987	27.8	37.6	44.2	56.0	62.2	70.2	71.2	70.0	65.6	54.9	40.7	32.9	52.8
1988	26.1	37.8	42.6	52.7	57.9	70.7	74.6	71.6	61.7	59.9	40.7	27.0	51.9
1989	24.7	23.2	43.7	53.1	56.3	68.5	77.0	70.0	63.3	51.2	39.4	30.4	50.1
1990	34.2	34.1	44.3	54.7	55.7	66.9	76.2	74.0	69.9	51.0	41.2	18.1	51.7
1991	24.4	41.6	43.0	48.3	54.9	62.6	75.7	76.6	65.8	51.8	37.4	31.7	51.2
1992	33.1	42.1	48.9	54.9	64.3	69.8	71.4	73.9	63.4	54.4	34.5	28.5	53.3
1993	24.8	28.9	41.7	48.1	63.1	61.9	65.0	68.6	63.0	53.2	32.8	33.3	48.7
1994	32.7	34.7	46.1	52.6	61.0	67.9	77.0	76.1	66.8	50.3	32.6	30.4	52.4
1995	36.2	41.5	43.6	48.2	56.9	63.9	73.4	71.2	65.7	49.2	44.4	33.1	52.3
1996	32.5	35.1	44.2	50.0	55.4	66.7	76.7	74.8	61.8	52.4	41.3	36.3	52.3
1997	32.1	36.8	45.4	48.9	62.9	66.0	72.8	75.6	67.7	52.0	43.0	31.2	52.9
1998	38.9	40.2	44.3	49.9	56.3	63.4	79.2	76.7	69.8	51.7	43.7	30.7	53.7
1999	35.3	37.0	43.8	47.5	55.8	66.3	73.7	75.1	64.0	54.3	46.9	31.9	52.6
2000	34.2	41.7	43.4	54.3	59.7	68.6	76.1	75.9	63.0	52.3	32.7	31.1	52.8
2001	27.2	33.9	45.9	48.1	61.4	67.3	74.3	78.7	68.4	53.5	44.0	30.7	52.8
2002	31.6	34.0	40.7	50.5	59.2	69.6	79.6	70.9	65.2	49.5	40.6	37.4	52.4
2003	38.7	36.9	46.5	49.4	58.8	69.7	80.6	77.4	66.7	58.1	37.7	37.2	54.8
2004	28.4	35.0	48.2	53.8	58.7	69.3	78.0	74.9	63.7	53.5	38.2	35.4	53.1
2005	32.8	36.9	45.7	50.5	59.4	64.4	78.3	76.7	63.3	53.7	37.5	29.6	52.4
2006	36.4	34.8	42.3	51.7	61.0	71.0	81.5	74.0	65.4	51.2	43.4	31.7	53.7
2007	29.2	38.9	48.3	51.7	62.5	70.6	83.1	75.5	64.7	52.0	40.9	32.4	54.2
2008	29.0	36.0	40.8	46.6	60.5	67.1	77.7	75.9	66.1	53.5	43.6	31.5	52.4
2009	31.3	36.9	41.7	50.6	61.6	67.8	78.6	75.2	70.6	48.5	41.4	26.8	52.6
2010	37.4	40.3	44.7	48.8	53.6	66.3	75.8	73.9	67.6	57.1	39.0	35.0	53.3
2011	31.7	35.5	44.2	46.3	55.5	64.3	75.6	78.4	71.4	54.6	40.0	31.3	52.4
2012	34.9	38.4	47.1	54.7	58.9	67.3	81.3	78.5	68.6	53.2	44.6	35.9	55.3
2013	19.6	35.5	45.1	49.9	61.0	69.9	81.5	78.2	66.6	50.2	39.7	23.9	51.8
POR= 74 YRS	29.7	35.6	42.7	49.4	58.0	65.8	75.0	73.2	63.6	52.2	39.5	31.3	51.3

HEATING DEGREE DAYS (base 65°F) 2013 BOISE (KBOI)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1984-85	0	8	204	557	771	1299	1412	1093	895	398	226	53	6916
1985-86	0	26	259	509	1113	1619	1097	668	522	499	280	15	6607
1986-87	35	2	259	376	733	1141	1149	761	639	287	140	41	5563
1987-88	23	18	86	306	722	990	1198	780	686	359	261	59	5488
1988-89	4	5	157	178	724	1169	1242	1166	656	356	276	30	5963
1989-90	0	29	97	421	759	1064	951	858	633	303	286	82	5483
1990-91	6	10	26	430	710	1449	1252	651	676	493	306	100	6109
1991-92	0	0	55	409	822	1026	982	657	492	308	92	54	4897
1992-93	6	40	118	340	907	1124	1239	1004	715	501	140	155	6289
1993-94	53	45	124	367	960	975	993	839	579	378	148	64	5525
1994-95	9	1	34	449	967	1066	887	652	657	499	255	111	5587
1995-96	5	23	86	485	610	984	1000	859	636	447	292	55	5482
1996-97	1	6	162	405	703	883	1013	783	601	473	128	41	5199
1997-98	18	0	61	410	651	1040	803	684	635	452	270	85	5109
1998-99	0	0	51	408	635	1058	914	778	652	520	311	95	5422
1999-00	8	13	101	324	535	1017	949	673	663	315	179	41	4818
2000-01	4	0	128	389	960	1044	1165	867	585	504	191	69	5906
2001-02	6	0	23	355	626	1056	1034	863	747	429	234	65	5438
2002-03	0	2	95	474	725	849	809	780	567	462	262	28	5053
2003-04	0	0	71	257	814	856	1128	866	515	328	206	45	5086
2004-05	0	10	95	351	796	909	990	779	591	430	183	102	5236
2005-06	0	3	104	344	819	1092	878	840	695	390	189	9	5363
2006-07	0	10	104	419	641	1024	1101	725	510	395	142	36	5107
2007-08	0	0	100	400	716	1003	1106	833	741	546	177	98	5720
2008-09	0	7	49	363	634	1032	1037	779	716	430	187	24	5258
2009-10	0	14	40	505	701	1179	847	686	623	477	356	52	5480
2010-11	4	20	46	269	776	922	1026	819	641	557	296	89	5465
2011-12	0	0	10	338	741	1037	928	765	547	327	217	64	4974
2012-13	0	0	17	358	605	895	1402	820	610	445	162	35	5349
2013-	0	0	91	452	751	1264							

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COOLING DEGREE DAYS (base 65°F) 2013 BOISE (KBOI)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1984	0	0	0	0	19	70	291	340	64	2	0	0	786
1985	0	0	0	2	28	125	402	165	4	0	0	0	726
1986	0	0	0	1	103	235	184	348	37	0	0	0	908
1987	0	0	0	23	61	202	223	180	111	0	0	0	800
1988	0	0	0	0	46	237	308	215	66	24	0	0	896
1989	0	0	0	6	14	140	376	191	56	0	0	0	783
1990	0	0	0	3	5	145	357	293	180	6	0	0	989
1991	0	0	0	0	0	36	337	368	85	6	0	0	832
1992	0	0	0	11	76	202	208	321	77	20	0	0	915
1993	0	0	0	0	86	68	61	162	71	8	0	0	456
1994	0	0	0	15	30	156	386	354	96	0	0	0	1037
1995	0	0	0	0	12	83	272	225	114	0	0	0	706
1996	0	0	0	0	4	111	372	314	73	22	0	0	896
1997	0	0	0	0	71	80	266	337	151	13	0	0	918
1998	0	0	0	4	9	42	449	371	201	3	0	0	1079
1999	0	0	0	0	32	142	282	334	80	1	0	0	871
2000	0	0	0	3	22	155	354	347	74	2	0	0	957
2001	0	0	0	4	85	146	303	433	131	7	0	0	1109
2002	0	0	0	0	61	208	460	193	105	0	0	0	1027
2003	0	0	0	0	76	173	488	391	131	49	0	0	1308
2004	0	0	0	0	19	179	411	323	61	5	0	0	998
2005	0	0	0	0	19	89	420	372	63	2	0	0	965
2006	0	0	0	0	73	196	518	297	125	0	0	0	1209
2007	0	0	0	4	70	211	569	333	99	1	0	0	1287
2008	0	0	0	0	45	168	401	355	85	14	0	0	1068
2009	0	0	0	7	87	114	428	338	214	0	0	0	1188
2010	0	0	0	1	10	96	343	304	132	28	0	0	914
2011	0	0	0	0	10	75	336	422	211	22	0	0	1076
2012	0	0	0	26	33	140	514	426	134	1	0	0	1274
2013	0	0	0	0	47	191	516	418	148	0	0	0	1320

SNOWFALL (inches) 2013 BOISE (KBOI)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1984-85	0.0	0.0	0.0	T	0.2	7.7	2.6	5.3	1.5	1.0	0.0	0.0	18.3
1985-86	0.0	0.0	0.0	T	18.6	12.6	3.9	4.4	0.0	T	0.0	0.0	39.5
1986-87	0.0	0.0	0.0	0.0	5.9	0.9	0.5	0.6	T	0.0	0.0	0.0	7.9
1987-88	0.0	0.0	0.0	0.0	0.5	3.0	3.9	0.3	2.9	1.2	0.0	0.0	11.8
1988-89	0.0	0.0	0.0	0.0	2.5	10.8	8.0	0.7	T	T	0.0	0.0	22.0
1989-90	0.0	T	0.0	T	0.4	T	5.2	6.5	0.4	T	T	0.0	12.5
1990-91	0.0	0.0	0.0	0.0	0.1	15.7	1.5	T	1.2	T	0.0	0.0	18.5
1991-92	0.0	0.0	0.0	1.1	2.8	T	0.3	T	0.0	T	0.0	0.0	4.2
1992-93	0.0	0.0	0.0	T	3.6	5.7	14.6	10.4	0.2	T	T	0.0	34.5
1993-94	0.0	0.0	0.0	0.0	1.9	0.2	2.8	3.8	T	T	0.0	0.0	8.7
1994-95	0.0	0.0	0.0	0.0	8.8	8.5	1.5	5.7	1.2	T	T	T	25.7
1995-96	T	0.0	0.0	0.0	0.2	5.9	6.7	6.9	1.8	T	T	0.0	21.5
1996-97	0.0	0.0	0.0	T	T	13.0	3.4	T	0.3	T	0.0	0.0	16.7
1997-98	0.0	0.0	0.0	0.0	0.0	0.6	4.2	1.4	1.1	T	0.0	0.0	7.3
1998-99	T	0.0	T	0.0	T	8.8	1.7	5.7	6.7	0.4	0.0	0.0	23.3
1999-00	0.0	0.0	0.0	0.0	0.9	2.7	6.2	2.1	2.3	0.0	T	0.0	14.2
2000-01	0.0	0.0	0.0	0.0	4.0	1.6	8.9	3.1	1.3	T	0.0	0.0	18.9
2001-02	0.0	0.0	0.0	0.0	3.5	9.9	14.4	T	4.3	0.0	0.0	0.0	32.1
2002-03	0.0	0.0	0.0	T	0.0	1.7	T	0.4	0.8	2.1	0.0	0.0	5.0
2003-04	0.0	0.0	0.0	T	0.3	4.2	10.0	6.5	0.7	0.0	0.0	0.0	21.7
2004-05	0.0	0.0	0.0	0.0	1.0	T	1.4	0.4	T	T	0.0	0.0	2.8
2005-06	0.0	0.0	0.0	0.0	2.0	5.2	1.9	T	1.6	T	0.0	0.0	10.7
2006-07	0.0	0.0	0.0	T	1.2	1.9	1.9	3.3	0.5	0.0	0.0	0.0	8.8
2007-08	0.0	0.0	0.0	0.0	2.0	7.2	13.6	8.8	0.2	T	0.0	T	31.8
2008-09	0.0	0.0	0.0	1.7	0.3	20.2	7.6	1.0	2.8	0.1	0.0	0.0	33.7
2009-10	0.0	0.0	0.0	T	1.7	10.7	3.1	0.4	3.4	0.6	T	0.0	19.9
2010-11	0.0	0.0	0.0	T	7.8	7.7	0.2	5.0	1.1	T	T	0.0	21.8
2011-12	0.0	0.0	0.0	0.0	0.2	0.2	4.9	1.0	2.3	T	0.0	0.0	8.6
2012-13	0.0	0.0	0.0	T	T	2.5	9.3	3.9	0.3	T	0.0	0.0	16.0
2013-	0.0	0.0	0.0	0.0	2.0	4.9							
POR= 74 YRS	T	T	T	0.1	2.1	5.8	6.4	3.4	1.7	0.5	0.1	T	20.1

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REFERENCE NOTES :

PAGE 1:
THE TEMPERATURE GRAPH SHOWS NORMAL MAXIMUM AND NORMAL MINIMUM DAILY TEMPERATURES (SOLID CURVES) AND THE ACTUAL DAILY HIGH AND LOW TEMPERATURES (VERTICAL BARS).

PAGE 2 AND 3:

H/C INDICATES HEATING AND COOLING DEGREE DAYS.

RH INDICATES RELATIVE HUMIDITY

W/O INDICATES WEATHER AND OBSTRUCTIONS

S INDICATES SUNSHINE.

PR INDICATES PRESSURE.

CLOUDINESS ON PAGE 3 IS THE SUM OF THE CEILOMETER AND SATELLITE DATA NOT TO EXCEED EIGHT EIGHTHS(OKTAS).

GENERAL:

T INDICATES TRACE PRECIPITATION, AN AMOUNT GREATER THAN ZERO BUT LESS THAN THE LOWEST REPORTABLE VALUE.

+ INDICATES THE VALUE ALSO OCCURS ON EARLIER DATES.

BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA.

ASOS INDICATES AUTOMATED SURFACE OBSERVING SYSTEM.

PM INDICATES THE LAST DAY OF THE PREVIOUS MONTH.

POR (PERIOD OF RECORD) BEGINS WITH THE JANUARY DATA MONTH AND IS THE NUMBER OF YEARS USED TO COMPUTE THE MEAN. INDIVIDUAL MONTHS WITHIN THE POR MAY BE MISSING.

WHEN THE POR FOR A NORMAL IS LESS THAN 30 YEARS, THE NORMAL IS PROVISIONAL AND IS BASED ON THE NUMBER OF YEARS INDICATED.

0.* OR * INDICATES THE VALUE OR MEAN-DAYS-WITH IS BETWEEN 0.00 AND 0.05.

CLOUDINESS FOR ASOS STATIONS DIFFERS FROM THE NON-ASOS OBSERVATION TAKEN BY A HUMAN OBSERVER. ASOS STATION CLOUDINESS IS BASED ON TIME-AVERAGED CEILOMETER DATA FOR CLOUDS AT OR BELOW 12,000 FEET

CLEAR INDICATES 0 - 2 OKTAS, PARTLY CLOUDY INDICATES 3 - 6 OKTAS, AND CLOUDY INDICATES 7 OR 8 OKTAS.

GENERAL CONTINUED:

WIND DIRECTION IS RECORDED IN TENS OF DEGREES (2 DIGITS) CLOCKWISE FROM TRUE NORTH. "00" INDICATES CALM. "36" INDICATES TRUE NORTH.

RESULTANT WIND IS THE VECTOR AVERAGE OF THE SPEED AND DIRECTION.

AVERAGE TEMPERATURE IS THE SUM OF THE MEAN DAILY MAXIMUM AND MINIMUM TEMPERATURE DIVIDED BY 2.

SNOWFALL DATA COMPRISE ALL FORMS OF FROZEN

PRECIPITATION, INCLUDING HAIL.

A HEATING (COOLING) DEGREE DAY IS THE DIFFERENCE BETWEEN THE AVERAGE DAILY TEMPERATURE AND 65 F.

DRY BULB IS THE TEMPERATURE OF THE AMBIENT AIR.

DEW POINT IS THE TEMPERATURE TO WHICH THE AIR MUST BE COOLED TO ACHIEVE 100 PERCENT RELATIVE HUMIDITY.

WET BULB IS THE TEMPERATURE THE AIR WOULD HAVE IF THE MOISTURE CONTENT WAS INCREASED TO 100 PERCENT RELATIVE HUMIDITY.

ON JULY 1, 1996, THE NATIONAL WEATHER SERVICE BEGAN USING THE "METAR" OBSERVATION CODE THAT WAS ALREADY EMPLOYED BY MOST OTHER NATIONS OF THE WORLD. THE MOST NOTICEABLE DIFFERENCE IN THIS ANNUAL PUBLICATION WILL BE THE CHANGE IN UNITS FROM TENTHS TO EIGHTHS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER.

STATION HISTORY STOPPED WITH THE 2009 ANNUAL. IF YOU NEED STATION HISTORY INFORMATION GO TO "Historical Observing Metadata Repository", URL IS:

<http://www.ncdc.noaa.gov/homr/>

SNOWFALL STOPPED MONTH & YEAR INDICATED ABOVE. NO FURTHER YEARS INCLUDED UNLESS RESTARTED.

NOTE:

The "Period of Record:(POR)" for all "averages" is based on "Summary of the Day First Order Station" and "Cooperative Summary of the Day" archives.

2013 BOISE IDAHO (KBOI)

Boise is situated in the Boise River Valley about 8 miles below the mouth of a mountain canyon where the valley proper begins. Sheltered by large shade trees and averaging 2,710 feet in elevation, the denser part of the city covers a gentle alluvial slope about 2 miles wide, stretching southwest from the foothills of the Boise Mountains to the river. The Boise Mountains immediately north of the city rise 5,000 to 6,000 feet above sea level in about 8 miles, the slopes partly mantled with sagebrush and then chaparral giving way near the summit to ridges of fir, spruce, and pine. Across the river, the land rises in two irregular steps, or benches, for several miles, finally reaching the low divide between the Boise and Snake Rivers. Downstream the valley widens, merging with the valley of the Snake about 40 miles to the northwest. Once semi-arid, the entire area is now irrigated from the upstream reservoirs.

Although air masses from the Pacific are considerably modified by the time they reach Boise, their influence, particularly in winter, alternates with that of atmospheric developments from other directions. The result is almost a typical upland continental type of climate in summer, while winters are usually tempered by periods of cloudy or stormy and mild weather. Autumns have prolonged periods of near ideal weather, while springtime is noted by changeable weather and varied temperatures. The Boise climate in general may be described as dry and temperate, with sufficient variation to be stimulating.

Summer hot periods rarely last longer than a few days. Temperatures of 100 degrees or higher occur nearly every year.

Winter cold spells with temperatures of 10 degrees or lower generally last longer than the summer hot spells. During cold weather, however, there is ordinarily little wind to add to the discomfort.

The normal precipitation pattern in the Boise area shows a winter high and a very pronounced summer low. Total amounts and intensity are generally greatest near the foothills, dwindling to westward and southward.

Tornadoes are very rare as are destructive force winds. Northwesterly winds, drying and rather raw in character, although of moderate velocity, are common from March through May. Diurnal southeasterly winds, descending from nearby foothills at night, frequently have a moderating effect on winter temperatures. There is an occasional, but moderate, duststorm during the warmer months, usually occurring at times of cold frontal passage.

Relative humidity is low but widespread irrigation maintains humidity several percent above the general dryness of western arid conditions in summer. Thunderstorms occur primarily during spring and summer, with less frequency during fall and occasionally during winter. December and January are the months of heavy fog or low stratus cloud conditions. Only a moderate amount of sunshine is received in the average winter, but protracted periods of clear, sunny weather are the rule in summer. Ice storms are practically unknown.

Based on the 1951-1980 period, the average first occurrence of 32 degrees Fahrenheit in the fall is October 9 and the average last occurrence in the spring is May 8.

Station History

BOISE, ID

NAME	Begin Date	End Date	Latitude	Longitude	Elevation Feet	Relocation	Platform
BOISE AIR TERMINAL	1981-12-31	1995-12-01	43° 34'	-116° 13'	2838		COOP
BOISE WSFO AIRPORT	1948-01-01	1948-12-01	43° 34'	-116° 13'	2838		AIRWAYS
BOISE MUNICIPAL AP	1968-01-01	1969-06-02	43° 34'	-116° 13'	2675		WXSVC
GOWAN FIELD	1929-07-01	1940-01-01	43° 36'	-116° 12'			AIRWAYS
GOWAN FIELD	1943-04-30	1943-07-14	43° 34'	-116° 13'	2675		AIRWAYS
BOISE AIR TERMINAL	2007-03-13	Present	43° 33'	-116° 14'	2814		ASOS, COOP
GOWAN FIELD	1940-01-01	1940-02-27	43° 34'	-116° 13'			AIRWAYS
GOWAN FIELD	1940-02-27	1943-04-30	43° 34'	-116° 13'	2689		AIRWAYS
BOISE AIR TERMINAL	1975-06-01	1981-12-31	43° 34'	-116° 13'	2838		COOP, WXSVC
BOISE MUNICIPAL AP	1969-06-02	1975-06-01	43° 34'	-116° 13'	2838		COOP, WXSVC
BOISE AIR TERMINAL	1995-12-01	2007-03-13	43° 34'	-116° 14'	2814	1.3 MI W	ASOS, COOP
GOWAN FIELD	1943-07-14	1948-01-01	43° 34'	-116° 13'	2838		AIRWAYS
BOISE MUNICIPAL AP	1948-12-01	1954-01-01	43° 34'	-116° 13'	2838		AIRWAYS
BOISE MUNICIPAL AP	1954-01-01	1968-01-01	43° 34'	-116° 13'	2675		AIRWAYS

Element History

Element	Begin Date	End Date	Frequency	Time Of Observation	Equipment *	Equipment * Modifications	Equipment Exposure
TEMP	1993-09-21	1995-12-01	DAILY	2400	MXMN		
PRECIP	2007-03-13	2013-07-25	HOURLY	2400	TB	RCRD	
PRECIP	2007-03-13	2013-07-25	DAILY	2400	PCPNX		
TEMP	2007-03-13	2013-07-25	DAILY	2400	HYGR		
TEMP	1898-12-01	1978-12-01	DAILY	2400			
PRECIP	1993-09-21	1995-12-01	DAILY	2400	UNIV	RCRD	
TEMP	2001-06-20	2007-03-13	DAILY	2400	HYGR		
PRECIP	1978-12-01	1993-09-21	HOURLY	2400	UNIV	RCRD	
TEMP	1995-12-01	2001-06-20	DAILY	2400	HYGR		
TEMP	2013-07-25	Present	DAILY	2400	ATEMP		
PRECIP	1898-12-01	1978-12-01	DAILY	2400	UNIV	RCRD	
TEMP	1978-12-01	1993-09-21	DAILY	2400			
PRECIP	2001-06-20	2007-03-13	HOURLY	2400	TB	SHLD; RCRD	
PRECIP	2013-07-25	Present	DAILY	2400	PCPNX		
PRECIP	1993-09-21	1995-12-01	HOURLY	2400	UNIV	RCRD	
PRECIP	1995-12-01	2001-06-20	DAILY	2400	TB	RCRD	
PRECIP	2001-06-20	2007-03-13	DAILY	2400	TB	SHLD; RCRD	
PRECIP	2013-07-25	Present	HOURLY	2400	AHTB	SHLD; RCRD; HTD	
PRECIP	1978-12-01	1993-09-21	DAILY	2400	UNIV	RCRD	
PRECIP	1995-12-01	2001-06-20	HOURLY	2400	TB	RCRD	

* For explanation of codes and abbreviations see Station Metadata link below.

Other Station Information can be found at:

ASOS Implementation by NWS: <http://www.nws.noaa.gov/ops2/Surface/asosimplementation.htm>

Station Metadata website: <http://www.ncdc.noaa.gov/homr>

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