

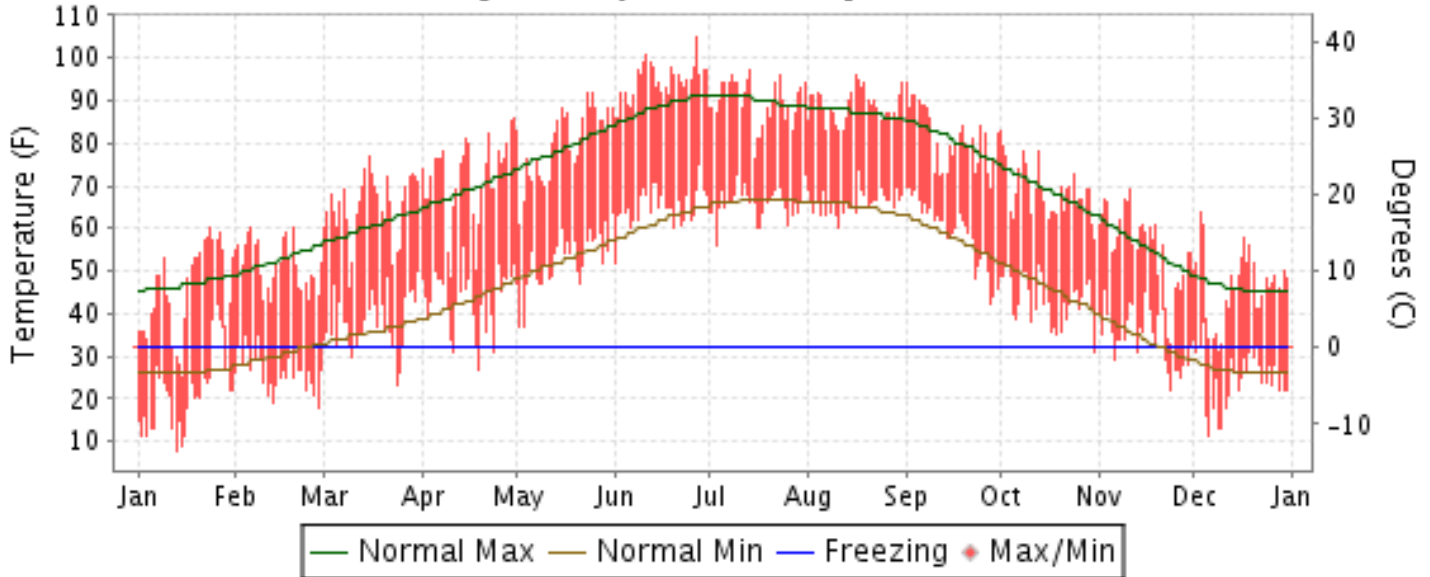


# 2013 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

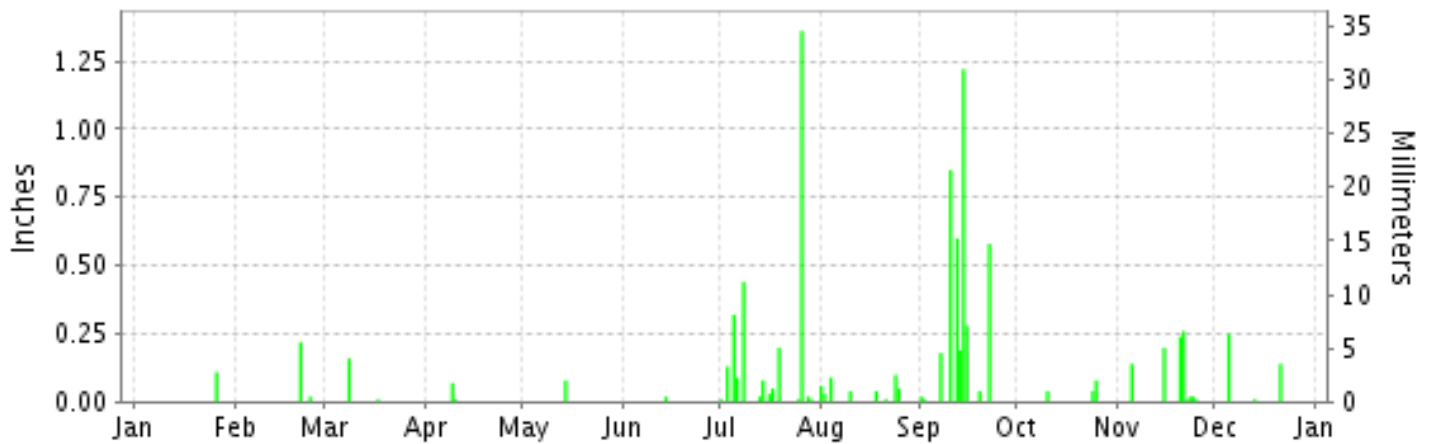
ISSN 0198-3474

## ALBUQUERQUE, NEW MEXICO (KABQ)

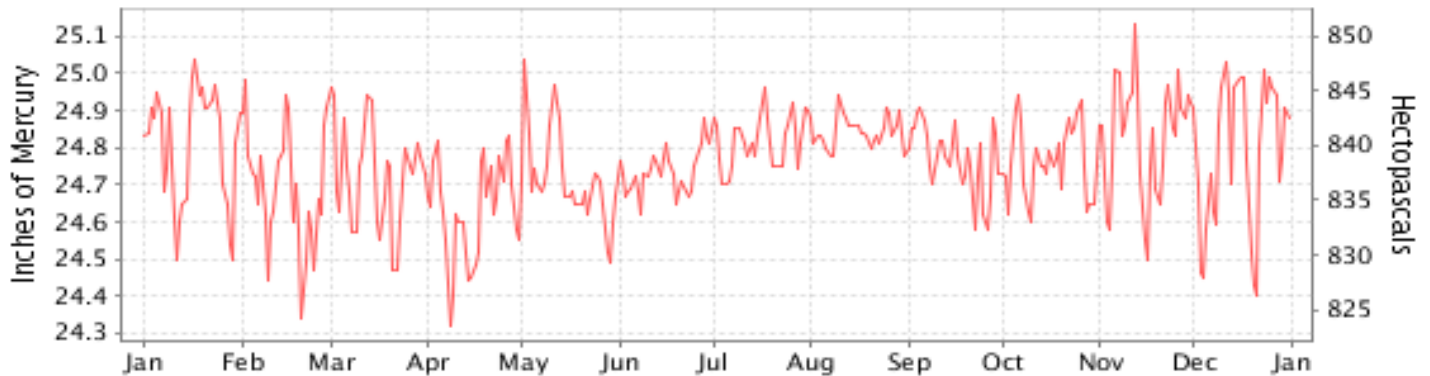
### Daily Max/Min Temperature



### Daily Precipitation



### Daily Station Pressure



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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER ASHEVILLE, NORTH CAROLINA

*Thomas R. Karl*  
DIRECTOR  
NATIONAL CLIMATIC DATA CENTER

# METEOROLOGICAL DATA FOR 2013

## ALBUQUERQUE (KABQ)

LATITUDE: 35° 2'N      LONGITUDE: 106° 36'W      ELEVATION (FT): GRND: 5310 BARO: 5308      TIME ZONE: MOUNTAIN (UTC -7)      WBAN: 23050

ELEMENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	45.4	51.3	65.2	71.8	80.1	94.6	89.6	88.7	81.1	68.7	55.5	46.4	69.9	
	HIGHEST DAILY MAXIMUM	60	60	77	86	92	105	97	96	94	83	69	64	105	
	DATE OF OCCURRENCE	24	19+	15	30	25+	27	14	16	01	01	11	03	JUN 27	
	MEAN DAILY MINIMUM	21.3	26.6	38.0	43.3	52.5	65.2	66.0	66.3	59.3	43.3	34.5	24.9	45.1	
	LOWEST DAILY MINIMUM	8	18	23	27	37	52	56	60	42	31	22	11	8	
	DATE OF OCCURRENCE	13	27	24	19	03+	01	03	11	28	31	24	06	JAN 13	
	AVERAGE DRY BULB	33.4	38.9	51.6	57.6	66.3	79.9	77.8	77.5	70.2	56.0	45.0	35.6	57.5	
	MEAN WET BULB	26.2	29.9	37.2	40.7	46.5	54.8	62.1	61.1	56.7	42.6	37.1	28.8	43.6	
	MEAN DEW POINT	12.8	13.3	14.9	15.9	22.1	30.4	53.0	50.9	46.7	27.1	27.5	18.2	27.7	
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 90°	0	0	0	0	2	26	17	14	4	0	0	0	63	
	MAXIMUM <= 32°	4	0	0	0	0	0	0	0	0	0	0	1	5	
	MINIMUM <= 32°	27	25	6	4	0	0	0	0	0	1	11	29	103	
MINIMUM <= 0°	0	0	0	0	0	0	0	0	0	0	0	0	0		
H/C	HEATING DEGREE DAYS	974	720	407	226	63	0	0	0	24	273	593	904	4184	
	COOLING DEGREE DAYS	0	0	0	8	109	455	406	397	189	1	0	0	1565	
RH	MEAN (PERCENT)	46	39	26	23	22	20	48	43	48	37	55	52	38	
	HOUR 05 LST	60	56	39	35	32	31	66	61	63	52	69	66	53	
	HOUR 11 LST	38	31	21	18	16	15	36	35	40	29	46	43	31	
	HOUR 17 LST	35	25	16	14	13	11	33	28	36	25	47	45	27	
	HOUR 23 LST	49	44	30	26	26	23	57	49	54	40	61	57	43	
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	0	0	0	0	0	0	0	0	0	0	0	1	1	
	THUNDERSTORMS	0	0	1	0	2	4	19	17	8	1	2	0	54	
PR	MEAN STATION PRESS. (IN.)	24.81	24.69	24.73	24.63	24.72	24.73	24.82	24.84	24.78	24.76	24.83	24.79	24.76	
	MEAN SEA-LEVEL PRESS. (IN.)	30.19	30.00	29.96	29.80	29.85	29.80	29.92	29.95	29.91	29.97	30.14	30.15	29.97	
WINDS	RESULTANT SPEED (MPH)	3.0	3.3	2.3	3.4	1.3	2.2	2.7	1.7	1.9	0.2	2.8	2.6	0.3	
	RES. DIR. (TENS OF DEGS.)	34	30	28	26	22	14	13	18	15	17	09	36	26	
	MEAN SPEED (MPH)	6.8	9.0	8.0	9.8	9.3	9.4	8.1	6.6	6.8	7.9	7.6	6.8	8.0	
	PREVAIL.DIR.(TENS OF DEGS.)	01	34	17	26	09	09	11	15	20	35	09	36	36	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	37	38	40	39	39	48	64	32	43	45	43	35	64	
	DIR. (TENS OF DEGS.)	30	27	32	17	28	08	35	16	08	19	09	27	35	
	DATE OF OCCURRENCE	29	09	23	25	17	30	26	21	01	10	22	04	JUL 26	
	MAXIMUM 3-SECOND WIND:														
SPEED (MPH)	47	53	51	51	62	58	89	43	52	60	51	44	89		
DIR. (TENS OF DEGS.)	30	19	31	19	33	08	36	01	08	19	08	27	36		
DATE OF OCCURRENCE	29	09	23	08	31	30	26	14	01	10	22	04	JUL 26		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	0.11	0.24	0.17	0.08	0.08	0.02	2.77	0.42	3.97	0.16	0.90	0.40	9.32	
	GREATEST 24-HOUR (IN.)	0.11	0.22	0.16	0.08	0.08	0.02	1.36	0.12	1.49	0.12	0.27	0.25	1.49	
	DATE OF OCCURRENCE	26	21	08	09-10	14	14	26	24-25	14-15	24-25	21-22	05	SEP 14-15	
	NUMBER OF DAYS WITH:														
	PRECIPITATION 0.01	1	2	2	2	1	1	14	8	10	3	8	3	55	
PRECIPITATION 0.10	1	1	1	0	0	0	5	1	7	0	4	2	22		
PRECIPITATION 1.00	0	0	0	0	0	0	1	0	1	0	0	0	2		
SNOWFALL	SNOW,ICE PELLETS,HAIL	0.2	2.8	T	T	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.1	7.9	
	TOTAL (IN.)	0.2	2.7	T	T	0.0	0.0	0.0	0.0	0.0	0.0	0.4	3.7	3.7	
	GREATEST 24-HOUR (IN.)	14	21	10	10+							24	05	DEC 05	
	DATE OF OCCURRENCE	0	3	0	0	0	0	0	0	0	0	T	2	3	
	MAXIMUM SNOW DEPTH (IN.)		21									25+	06	FEB 21	
	DATE OF OCCURRENCE														
NUMBER OF DAYS WITH:															
SNOWFALL >= 1.0	0	1	0	0	0	0	0	0	0	0	0	1	2		

# NORMALS, MEANS, AND EXTREMES ALBUQUERQUE (KABQ)

**LATITUDE:** 35° 2'N      **LONGITUDE:** 106° 36'W      **ELEVATION (FT):** GRND: 5310 BARO: 5308      **TIME ZONE:** MOUNTAIN (UTC -7)      **WBAN: 23050**

	ELEMENT	POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
<b>TEMPERATURE °F</b>	NORMAL DAILY MAXIMUM	30	46.8	52.5	60.5	69.0	78.8	88.3	90.1	87.2	80.7	69.0	55.8	46.1	68.7
	MEAN DAILY MAXIMUM	106	47.1	51.5	60.5	68.6	78.3	87.6	91.5	88.7	80.1	68.7	55.9	46.6	68.8
	HIGHEST DAILY MAXIMUM	74	69	76	85	89	98	107	105	101	100	91	77	72	107
	YEAR OF OCCURRENCE		1994	1986	1971	1989	1951	1994	1980	1979	1979	1979	1975	1958	JUN 1994
	MEAN OF EXTREME MAXS.	117	60.7	67.3	75.7	83.2	91.2	99.2	99.7	96.3	92.2	83.3	70.6	61.0	81.7
	NORMAL DAILY MINIMUM	30	26.1	30.3	35.7	43.0	52.5	61.6	66.4	65.1	57.9	46.1	34.1	26.5	45.4
	MEAN DAILY MINIMUM	106	23.2	26.9	32.0	39.7	49.3	57.4	64.4	62.6	53.9	42.8	30.7	23.4	42.2
	LOWEST DAILY MINIMUM	74	-17	-7	8	19	28	40	52	50	37	21	-7	-7	-17
	YEAR OF OCCURRENCE		1971	2011	1948	1980	1975	1980	1985	1992	1971	1991	1976	1990	JAN 1971
	MEAN OF EXTREME MINS.	117	10.5	14.4	20.5	28.7	37.7	49.1	59.1	57.3	46.0	31.8	19.4	11.5	32.2
	NORMAL DRY BULB	30	36.4	41.4	48.1	56.0	65.6	74.9	78.3	76.2	69.3	57.5	44.9	36.3	57.1
	MEAN DRY BULB	106	35.1	39.2	46.3	54.2	63.8	72.6	78.0	75.7	67.0	55.7	43.3	35.0	55.5
	MEAN WET BULB	30	26.4	28.7	31.7	35.7	42.7	48.8	57.7	57.8	51.4	41.6	32.1	27.0	40.1
	MEAN DEW POINT	30	22.2	23.8	25.5	28.5	34.9	42.2	51.8	53.8	46.2	36.7	27.3	22.1	34.6
	NORMAL NO. DAYS WITH: MAXIMUM >= 90	30	0.0	0.0	0.0	0.0	1.6	12.5	17.3	9.9	1.2	0.0	0.0	0.0	42.5
	MAXIMUM <= 32	30	1.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.6	3.1
MINIMUM <= 32	30	25.8	16.7	8.3	1.7	0.1	0.0	0.0	0.0	0.0	0.9	11.3	25.0	89.8	
MINIMUM <= 0	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
<b>H/C</b>	NORMAL HEATING DEG. DAYS	30	885	661	524	277	71	4	0	0	26	240	601	890	4179
	NORMAL COOLING DEG. DAYS	30	0	0	0	7	91	302	411	346	155	10	0	0	1322
<b>RH</b>	NORMAL (PERCENT)	30	57	50	41	34	33	30	41	48	46	46	50	56	44
	HOURLY 05 LST	30	71	65	57	50	49	46	59	67	63	63	65	70	60
	HOURLY 11 LST	30	51	43	34	27	26	24	33	40	39	39	42	50	37
	HOURLY 17 LST	30	42	32	25	20	20	18	27	31	30	31	36	43	30
	HOURLY 23 LST	30	61	52	44	36	35	33	46	54	51	50	54	61	48
<b>S</b>	PERCENT POSSIBLE SUNSHINE	63	72	72	73	77	79	83	76	76	79	79	76	71	76
<b>W/O</b>	MEAN NO. DAYS WITH: HEAVY FOG (VISIBY <= 1/4 MI)	50	1.3	0.9	0.5	0.3	0.1	0.0	0.1	0.0	0.2	0.4	0.5	1.7	6.0
	THUNDERSTORMS	66	0.1	0.3	0.9	1.4	3.7	5.2	10.8	10.5	4.8	2.2	0.6	0.1	40.6
<b>CLOUDINESS</b>	MEAN: SUNRISE-SUNSET (OKTAS)	57	3.9	4.1	4.1	3.7	3.4	2.7	3.5	3.5	2.8	2.8	3.1	3.6	3.4
	MIDNIGHT-MIDNIGHT (OKTAS)	32	3.5	3.8	3.6	3.2	3.1	2.7	3.7	3.7	2.9	2.6	2.9	3.3	3.3
	MEAN NO. DAYS WITH: CLEAR	58	12.8	10.8	11.3	12.5	13.9	17.4	11.9	13.1	16.3	17.0	14.8	13.7	165.5
	PARTLY CLOUDY	58	7.8	7.7	9.6	9.5	10.4	8.7	13.9	12.3	7.7	7.7	7.6	7.2	110.1
	CLOUDY	58	10.4	9.8	10.1	8.0	6.6	3.9	4.7	5.1	5.5	5.9	7.1	9.6	86.7
<b>PR</b>	MEAN STATION PRESSURE (IN)	30	24.79	24.73	24.69	24.67	24.69	24.73	24.81	24.83	24.81	24.79	24.78	24.78	24.76
	MEAN SEA-LEVEL PRES. (IN)	30	30.11	30.02	29.92	29.84	29.81	29.80	29.88	29.91	29.93	29.97	30.06	30.11	29.95
<b>WINDS</b>	MEAN SPEED (MPH)	30	7.3	8.3	9.0	10.1	9.9	9.2	8.2	7.6	7.6	7.5	7.3	7.0	8.3
	PREVAIL. DIR. (TENS OF DEGS)	42	36	36	36	19	19	09	11	09	11	36	36	36	36
	MAXIMUM 2-MINUTE: SPEED (MPH)	17	49	48	55	55	48	53	64	51	45	46	51	54	64
	DIR. (TENS OF DEGS)		09	23	08	17	25	09	35	08	29	18	29	09	35
	YEAR OF OCCURRENCE		2003	2011	2012	2012	1999	2004	2013	2000	2011	2008	2003	2011	JUL 2013
	MAXIMUM 3-SECOND SPEED (MPH)	17	58	77	68	75	64	63	89	63	55	60	61	69	89
	DIR. (TENS OF DEGS)		09	23	08	17	28	08	36	29	29	19	29	08	36
YEAR OF OCCURRENCE		2003	2011	2012	2012	2001	2004	2013	2011	2011	2013	2003	2011	JUL 2013	
<b>PRECIPITATION</b>	NORMAL (IN)	30	0.38	0.48	0.57	0.61	0.50	0.66	1.50	1.58	1.08	1.02	0.57	0.50	9.45
	MAXIMUM MONTHLY (IN)	74	1.38	1.82	2.34	3.00	3.07	2.86	3.55	3.74	3.97	3.08	1.93	1.85	3.97
	YEAR OF OCCURRENCE		2005	1993	1998	2004	1941	1996	2006	2006	2013	1972	1991	1959	SEP 2013
	MINIMUM MONTHLY (IN)	74	T	T	T	T	T	T	0.08	T	T	0.00	0.00	0.00	0.00
	YEAR OF OCCURRENCE		2009	2009	2011	1996	2006	2011	1980	1962	1957	1952	1949	1981	DEC 1981
	MAXIMUM IN 24 HOURS (IN)	74	0.87	1.04	1.45	2.29	1.14	1.64	1.77	2.13	1.92	1.80	1.67	1.35	2.29
	YEAR OF OCCURRENCE		1962	2004	1998	2004	1969	1952	1961	1994	1955	1969	1991	1958	APR 2004
	NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01	30	4.1	3.8	4.9	3.2	4.2	4.4	8.3	9.2	5.9	5.1	3.9	4.2	61.2
PRECIPITATION >= 1.00	30	0.0	0.0	0.0	0.1	0.0	0.0	0.2	0.1	0.1	0.1	0.0	0.0	0.6	
<b>SNOWFALL</b>	NORMAL (IN)	30	2.1	1.8	1.1	0.6	0.0	0.0	0.0	0.0	0.0	0.3	1.0	2.7	9.6
	MAXIMUM MONTHLY (IN)	74	9.5	10.3	13.9	8.1	1.0	0.0	T	T	T	3.2	9.3	20.8	20.8
	YEAR OF OCCURRENCE		1973	1986	1973	1973	1979	2011	2008	2008	2006	1986	1940	2006	DEC 2006
	MAXIMUM IN 24 HOURS (IN)	74	5.1	6.0	10.7	10.9	1.0	T	T	T	T	3.2	5.5	14.2	14.2
	YEAR OF OCCURRENCE		1973	1986	1973	1988	1979	2010	1990	1993	1971	1986	1946	1958	DEC 1958
	MAXIMUM SNOW DEPTH (IN)	65	47	16	8	11	0	0	0	0	0	3	12	25	47
	YEAR OF OCCURRENCE		1977	1986	1973	1988						1986	1992	1958	JAN 1977
NORMAL NO. DAYS WITH: SNOWFALL >= 1.0	30	0.7	0.7	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.7	3.1	

**PRECIPITATION (inches) 2013 ALBUQUERQUE (KABQ)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1984	0.33	T	0.62	0.50	0.16	0.48	1.13	2.70	1.13	3.04	0.63	1.36	12.08
1985	0.49	0.54	0.70	1.69	1.12	0.53	1.16	0.49	1.53	2.15	0.19	0.16	10.75
1986	0.22	1.01	0.17	0.33	1.11	2.57	1.51	2.26	0.53	1.54	1.29	0.44	12.98
1987	0.66	0.61	0.07	1.00	0.58	0.13	0.91	2.98	0.20	0.44	0.42	0.34	8.34
1988	0.15	0.07	0.85	1.42	0.62	1.25	2.26	3.29	2.63	0.32	0.22	0.03	13.11
1989	0.57	0.35	0.48	T	0.02	0.02	1.51	0.48	0.31	0.97	T	0.28	4.99
1990	0.21	0.49	0.41	1.71	0.45	0.27	2.36	1.79	0.96	0.15	0.86	0.59	10.25
1991	0.60	0.06	0.14	T	1.14	0.65	2.63	1.26	1.43	0.26	1.93	1.49	11.59
1992	0.60	0.20	0.63	0.22	1.81	0.67	2.01	2.17	0.79	0.70	1.12	1.16	12.08
1993	0.94	1.82	0.22	T	0.20	0.44	0.23	3.05	0.49	0.64	0.97	0.03	9.03
1994	0.02	0.26	0.59	0.07	1.87	0.28	0.61	2.70	1.21	1.54	1.38	0.62	11.15
1995	0.55	0.39	0.16	0.69	0.08	0.20	0.35	0.74	2.32	T	0.03	0.17	5.68
1996	0.17	0.19	0.02	T	0.02	2.86	1.03	1.54	1.45	1.52	0.95	T	9.75
1997	0.55	0.12	0.11	1.65	0.42	1.03	2.04	1.96	2.43	0.32	0.73	1.00	12.36
1998	0.14	0.66	2.34	0.64	T	0.17	2.37	0.88	0.15	1.80	0.46	0.22	9.83
1999	0.12	T	1.10	0.59	0.54	0.60	1.47	3.04	0.54	0.26	T	0.03	8.29
2000	0.30	0.30	1.27	T	0.07	0.72	0.83	0.57	0.37	2.66	0.91	0.24	8.24
2001	0.28	0.27	0.27	0.51	0.38	0.26	1.37	1.59	0.51	0.14	0.68	0.24	6.50
2002	0.34	0.07	T	0.39	0.02	0.18	0.88	1.59	1.53	0.54	0.49	0.36	6.39
2003	T	1.02	1.45	T	0.09	0.20	0.41	0.71	0.29	1.58	0.49	0.11	6.35
2004	0.10	1.17	0.67	3.00	T	0.61	2.25	0.23	0.97	1.13	1.37	0.30	11.80
2005	1.38	1.78	1.12	1.17	0.40	0.09	1.03	0.49	2.83	1.03	T	0.10	11.42
2006	0.04	T	0.14	0.13	T	1.14	3.55	3.74	1.10	1.70	0.02	1.50	13.06
2007	0.18	0.70	0.64	1.06	2.00	0.66	1.63	1.05	0.73	0.17	0.25	1.14	10.21
2008	0.39	0.41	T	0.11	0.18	0.50	3.38	1.04	0.08	1.38	0.23	0.65	8.35
2009	T	T	0.31	0.34	0.36	0.80	0.80	0.94	1.42	1.51	0.04	0.15	6.67
2010	0.64	0.17	0.40	0.58	0.04	0.76	2.19	0.95	1.88	0.26	0.02	1.07	8.96
2011	0.07	0.04	T	0.03	0.05	T	0.39	0.93	0.40	1.48	0.13	1.20	4.72
2012	0.40	0.26	0.20	0.81	0.19	0.42	0.89	1.62	0.44	T	0.11	0.12	5.46
2013	0.11	0.24	0.17	0.08	0.08	0.02	2.77	0.42	3.97	0.16	0.90	0.40	9.32
POR= 117 YRS	0.37	0.39	0.47	0.56	0.59	0.61	1.41	1.39	0.97	0.83	0.48	0.47	8.54

WBAN : 23050

**AVERAGE TEMPERATURE (°F) 2013 ALBUQUERQUE (KABQ)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1984	34.1	40.1	46.8	52.8	69.9	73.6	78.9	75.7	68.8	51.6	43.7	35.6	56.0
1985	33.8	38.3	47.5	57.4	64.0	74.1	77.1	76.6	65.9	57.5	45.4	37.6	56.3
1986	41.3	43.0	50.9	56.5	63.7	72.7	74.7	76.0	66.5	54.6	42.0	36.3	56.5
1987	32.3	39.2	43.7	54.8	62.8	73.0	77.8	74.7	68.8	61.3	45.2	35.3	55.7
1988	34.6	43.9	47.0	55.1	64.3	74.4	78.1	75.0	66.3	61.1	45.4	33.9	56.6
1989	35.5	41.9	52.8	61.4	68.8	75.6	78.6	74.3	69.4	56.7	46.4	35.1	58.0
1990	34.6	38.5	48.6	57.3	63.6	79.0	76.8	73.8	70.9	58.3	45.0	32.1	56.5
1991	35.7	44.6	46.1	56.0	65.5	73.4	76.9	75.5	68.1	59.6	43.4	37.3	56.8
1992	32.7	42.3	48.9	60.0	64.6	72.4	76.2	75.0	70.3	60.8	39.7	32.8	56.3
1993	39.7	42.5	48.8	57.1	65.7	75.1	79.9	75.6	69.1	56.2	43.3	37.3	57.5
1994	38.1	40.7	50.2	58.5	66.9	80.4	81.3	79.4	71.0	57.0	44.5	40.9	59.1
1995	39.2	49.3	50.7	54.2	64.5	74.8	80.0	79.8	69.5	59.5	50.8	40.9	59.4
1996	39.3	46.1	46.8	57.5	71.5	76.5	79.5	76.2	66.2	55.9	45.6	38.7	58.3
1997	33.4	40.7	51.8	52.6	65.9	73.0	77.6	76.3	71.5	56.5	43.6	32.7	56.3
1998	37.9	38.8	46.7	52.2	65.6	74.4	77.1	77.1	74.4	57.9	46.5	38.5	57.3
1999	40.7	44.0	50.7	53.7	63.7	72.8	76.7	74.7	68.2	58.6	49.8	35.6	57.4
2000	40.9	45.0	47.7	59.1	70.5	76.2	79.5	78.1	72.4	55.7	39.4	37.1	58.5
2001	33.8	42.7	48.4	57.8	68.9	76.9	79.4	75.9	72.4	60.8	47.9	36.3	58.4
2002	37.0	40.1	47.5	61.8	67.5	79.1	78.7	77.6	69.2	57.0	44.9	36.6	58.1
2003	43.5	40.7	47.5	56.7	67.6	74.9	83.9	78.7	70.6	62.2	45.8	37.2	59.1
2004	38.3	37.7	53.2	54.5	68.1	75.1	77.9	74.7	68.7	56.7	44.7	37.0	57.2
2005	41.7	43.2	45.9	56.1	66.5	75.1	81.3	76.6	71.6	57.8	47.8	38.8	58.5
2006	39.5	42.8	48.4	60.5	70.0	78.2	78.7	73.5	64.7	56.6	47.6	35.1	58.0
2007	32.0	41.5	50.9	55.7	64.4	75.8	79.3	79.6	71.5	59.8	48.5	36.5	58.0
2008	33.5	41.8	48.8	55.9	64.1	76.3	76.6	76.6	70.4	58.7	47.1	38.8	57.4
2009	40.5	44.6	50.2	55.7	68.8	73.2	80.4	77.5	68.4	56.1	47.2	33.9	58.0
2010	36.4	39.5	46.5	56.2	64.9	78.0	79.4	77.0	74.1	60.7	44.5	41.9	58.3
2011	36.3	37.1	53.3	58.9	63.4	78.2	81.8	81.2	70.7	58.8	46.1	33.5	58.3
2012	40.1	41.3	51.2	60.7	68.5	80.4	79.9	78.9	71.0	60.9	48.4	37.2	59.9
2013	33.4	38.9	51.6	57.6	66.3	79.9	77.8	77.5	70.2	56.0	45.0	35.6	57.5
POR= 106 YRS	35.1	39.2	46.3	54.2	63.8	72.6	78.0	75.7	67.0	55.7	43.3	35.0	55.5

**HEATING DEGREE DAYS (base 65°F) 2013 ALBUQUERQUE (KABQ)**

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1984-85	0	0	51	411	631	903	960	744	536	220	74	7	4537
1985-86	0	0	61	228	581	842	727	610	431	249	80	8	3817
1986-87	0	0	51	313	680	882	1004	717	653	300	81	2	4683
1987-88	0	0	2	133	589	914	937	605	551	290	103	2	4126
1988-89	0	5	39	118	579	959	909	640	373	133	31	0	3786
1989-90	0	0	10	260	551	918	934	735	501	233	103	0	4245
1990-91	0	0	14	202	595	1013	903	563	581	263	60	12	4206
1991-92	0	0	21	188	645	851	994	651	493	170	53	5	4071
1992-93	0	0	8	128	752	991	778	624	496	238	69	3	4087
1993-94	0	0	15	284	642	853	827	676	453	218	52	0	4020
1994-95	0	0	1	251	610	741	793	435	433	320	67	0	3651
1995-96	0	0	37	165	419	741	787	540	558	239	12	0	3498
1996-97	0	0	66	297	575	809	973	676	403	366	48	12	4225
1997-98	0	0	9	278	635	994	834	727	558	376	51	4	4466
1998-99	0	0	0	225	549	816	744	584	435	332	98	5	3788
1999-00	0	0	23	203	447	902	740	571	528	184	32	0	3630
2000-01	0	0	16	302	760	858	961	619	509	218	35	3	4281
2001-02	0	0	1	134	508	881	858	692	532	105	29	0	3740
2002-03	0	0	13	245	597	874	659	674	535	243	51	0	3891
2003-04	0	0	1	107	570	852	818	787	357	309	29	0	3830
2004-05	0	0	28	251	601	861	716	603	583	262	76	0	3981
2005-06	0	0	11	228	507	805	784	616	506	141	10	0	3608
2006-07	0	0	60	277	511	920	1017	650	432	279	72	1	4219
2007-08	0	0	1	172	488	875	971	667	498	269	111	5	4057
2008-09	0	0	0	200	530	804	749	565	451	278	14	0	3591
2009-10	0	0	38	276	527	958	881	705	567	258	89	0	4299
2010-11	0	0	0	155	609	708	884	774	360	190	116	0	3796
2011-12	0	0	0	196	562	968	765	682	423	157	22	0	3775
2012-13	0	0	8	147	493	856	974	720	407	226	63	0	3894
2013-	0	0	24	273	593	904							

WBAN : 23050

**COOLING DEGREE DAYS (base 65°F) 2013 ALBUQUERQUE (KABQ)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1984	0	0	0	4	179	266	441	340	169	1	0	0	1400
1985	0	0	0	0	51	289	383	368	97	0	0	0	1188
1986	0	0	0	1	50	245	310	349	103	0	0	0	1058
1987	0	0	0	0	17	251	404	308	120	25	0	0	1125
1988	0	0	0	1	85	288	411	322	86	3	0	0	1196
1989	0	0	0	31	154	323	426	295	150	10	0	0	1389
1990	0	0	0	10	66	426	374	281	200	2	0	0	1359
1991	0	0	0	0	87	269	375	331	120	25	0	0	1207
1992	0	0	0	27	49	235	354	318	171	5	0	0	1159
1993	0	0	0	8	101	312	470	337	145	16	0	0	1389
1994	0	0	0	29	115	469	512	455	188	10	0	0	1778
1995	0	0	0	4	55	302	472	467	182	1	0	0	1483
1996	0	0	0	19	218	352	457	354	109	21	0	0	1530
1997	0	0	0	0	85	261	398	354	212	21	0	0	1331
1998	0	0	0	1	78	292	383	383	288	11	0	0	1436
1999	0	0	0	0	65	246	367	306	122	12	0	0	1118
2000	0	0	0	13	208	346	457	411	244	21	0	0	1700
2001	0	0	0	8	162	369	453	346	228	12	0	0	1578
2002	0	0	0	15	114	431	432	397	145	3	0	0	1537
2003	0	0	0	0	141	306	592	430	175	26	0	0	1670
2004	0	0	1	2	131	310	407	306	146	2	0	0	1305
2005	0	0	0	2	132	311	514	370	216	13	0	0	1558
2006	0	0	0	11	175	401	435	270	58	23	0	0	1373
2007	0	0	0	5	60	335	452	462	203	19	0	0	1536
2008	0	0	0	2	90	349	370	367	168	12	0	0	1358
2009	0	0	0	8	139	251	484	394	146	6	0	0	1428
2010	0	0	0	1	92	397	453	378	283	30	0	0	1634
2011	0	0	0	13	73	402	530	509	179	10	0	0	1716
2012	0	0	0	37	135	468	468	438	197	25	0	0	1768
2013	0	0	0	8	109	455	406	397	189	1	0	0	1565

## SNOWFALL (inches) 2013 ALBUQUERQUE (KABQ)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1984-85	0.0	0.0	0.0	T	T	3.4	2.0	2.9	0.6	0.0	0.0	0.0	8.9
1985-86	0.0	0.0	0.0	0.0	0.7	0.9	2.9	10.3	0.3	0.0	T	0.0	15.1
1986-87	0.0	0.0	0.0	3.2	0.6	0.2	4.9	4.9	0.2	2.2	0.0	0.0	16.2
1987-88	0.0	0.0	0.0	0.0	1.1	1.7	1.2	T	7.9	4.2	0.0	0.0	16.1
1988-89	0.0	0.0	0.0	0.0	1.7	0.3	3.4	3.2	3.1	0.0	0.0	0.0	11.7
1989-90	0.0	0.0	0.0	0.0	T	2.5	1.8	4.8	T	0.3	T	T	9.4
1990-91	T	0.0	0.0	0.0	2.2	6.3	0.9	T	0.8	T	0.0	0.0	10.2
1991-92	0.0	0.0	0.0	2.5	1.5	2.1	5.6	T	1.0	0.0	T	T	12.7
1992-93	0.0	T	0.0	0.0	5.9	7.6	0.8	2.0	0.2	0.0	T	0.0	16.5
1993-94	0.0	T	0.0	T	4.1	0.2	T	T	1.2	0.0	T	0.0	5.5
1994-95	0.0	0.0	0.0	0.0	T	0.5	5.3	0.0	0.4	3.2	0.0	0.0	9.4
1995-96	0.0	0.0	0.0	0.0	0.0	0.9	0.6	1.7	0.2	0.0	0.0	T	3.4
1996-97	T	T	0.0	1.1	2.5	0.0	4.7	0.9	0.3	2.9	0.0	T	12.4
1997-98	0.0	0.0	0.0	T	1.1	8.8	0.2	1.0	0.9	0.4	0.0	0.0	12.4
1998-99	T	0.0	0.0	0.0	1.3	2.7	T	0.0	3.3	T	T	0.0	7.3
1999-00	0.0	0.0	0.0	T	0.0	0.1	0.7	0.8	2.9	T	0.0	0.0	4.5
2000-01	T	0.0	0.0	0.0	0.1	6.3	2.7	0.8	0.1	0.0	0.0	0.0	10.0
2001-02	0.0	0.0	0.0	0.0	T	0.7	4.0	T	T				
2002-03						T	T	2.3	0.5	T	0.0	0.0	
2003-04	0.0	0.0	T	0.0	0.0	2.0	T	2.7	0.7	T	0.0	0.0	5.4
2004-05	0.0	0.0	0.0	0.2	1.7	0.3	T	T	4.2	0.5	0.0	0.0	6.9
2005-06	0.0	0.0	0.0	T	T	0.9	0.3	T	1.6	0.0	0.0	T	2.8
2006-07	T	T	T	0.0	0.2	20.8	2.2	4.7	0.0	T	T	T	27.9
2007-08	T	0.0	0.0	0.0	1.0	0.7	0.6	2.8	0.1	0.0	T	0.0	5.2
2008-09	T	T	0.0	0.0	0.0	3.5	T	T	T	T	0.0	0.0	3.5
2009-10	0.0	0.0	0.0	0.8	T	0.7	1.0	0.9	0.8	T	0.0	T	4.2
2010-11	0.0	0.0	0.0	0.0	0.3	1.7	T	0.8	0.0	0.0	T	0.0	2.8
2011-12	0.0	0.0	0.0	0.0	T	4.3	0.5	1.9	1.9	1.4	T	0.0	10.0
2012-13	0.0	0.0	0.0	0.0	0.0	0.5	0.2	2.8	T	T	0.0	0.0	3.5
2013-	0.0	0.0	0.0	0.0	0.8	4.1							
POR= 83 YRS	T	T	T	0.1	1.0	2.5	2.1	1.8	1.5	0.5	T	T	9.5

WBAN : 23050

### REFERENCE NOTES :

<p>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).</p> <p>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).</p> <p>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.</p> <p>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</p>	<p>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: <a href="http://www.ncdc.noaa.gov/homr/">http://www.ncdc.noaa.gov/homr/</a> SNOWFALL STOPPED MONTH &amp; YEAR INDICATED ABOVE. NO FURTHER YEARS INCLUDED UNLESS RESTARTED.</p> <p><b>NOTE:</b> 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.</p>
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# 2013

## ALBUQUERQUE

### NEW MEXICO (KABQ)

The Albuquerque metropolitan area is largely situated in the Rio Grande Valley and on the mesas and piedmont slopes which rise either side of the valley floor. The Rio Grande flows from north to south through the area. The Sandia and Manzano Mountains rise abruptly at the eastern edge of the city with Tijeras Canyon separating the two ranges. West of the city the land gradually rises to the Continental Divide, some 90 miles away.

The climate of Albuquerque is best described as arid continental with abundant sunshine, low humidity, scant precipitation, and a wide yet tolerable seasonal range of temperatures. Sunny days and low humidity are renowned features of the climate. More than three-fourths of the daylight hours have sunshine, even in the winter months. The air is normally dry and muggy days are rare. The combination of dry air and plentiful solar radiation allows widespread use of energy-efficient devices such as evaporative coolers and solar collectors.

Precipitation within the valley area is adequate only for native desert vegetation and deep-rooted imports. However, irrigation supports successful farming and fruit growing in the Rio Grande Valley. On the east slopes of the Sandias and Manzanos, precipitation is sufficient for thick stands of timber and good grass cover.

Meager amounts of precipitation fall in the winter, much of it as snow. Snowfalls of an inch or more occur about four times a year in the Rio Grande Valley, while the mountains receive substantial snowfall on occasion. Snow seldom remains on the ground more than 24 hours in the city proper. However, snow cover on the east slopes of the Sandias is sufficient for skiing during most winters.

Nearly half of the annual precipitation in Albuquerque results from afternoon and evening thunderstorms during the summer. Thunderstorm frequency increases rapidly around July 1st, peaks during August, then tapers off by the end of September. Thunderstorms are usually brief, sometimes produce heavy rainfall, and often lower afternoon temperatures noticeably. Hailstorms are infrequent and tornadoes rare.

Temperatures in Albuquerque are those characteristic of a dry, high altitude, continental climate. The average daily range of temperature is relatively high, but extreme temperatures are rare. High temperatures during the winter are near 50 degrees with only a few days on which the temperature fails to rise above the freezing mark. In the summer, daytime maxima are about 90 degrees, but with the large daily range, the nights usually are comfortably cool.

The average number of days between the last freezing temperature in spring and the first freeze in fall varies widely across the Albuquerque metropolitan area. The growing season in Albuquerque and adjacent suburbs ranges from around 170 days in the Rio Grande Valley to about 200 days in parts of the northeast section of the city.

Sustained winds of 12 mph or less occur approximately 80 percent of the time at the Albuquerque International Airport, while sustained winds greater than 25 mph have a frequency less than 3 percent. Late winter and spring storms along with occasional east winds out of Tijeras Canyon are the main sources of strong wind conditions. Blowing dust, the least attractive feature of the climate, often accompanies the occasional strong winds of winter and spring.

# Station History

ALBUQUERQUE, NM

NAME	Begin Date	End Date	Latitude	Longitude	Elevation Feet	Relocation	Platform
ALBUQUERQUE INTL AP	2006-07-31	2011-01-28	35° 2'	-106° 36'	5310		AIRSAMPLE, ASOS, COOP
ALBUQUERQUE	1939-07-31	1946-08-01	35° 2'	-106° 37'	5312	6 MI ESE	AIRWAYS, COOP
ALBUQUERQUE INTL AP	1994-03-30	1996-03-01	35° 1'	-106° 37'	5306	.6 MI S	COOP, WXSVC
ALBUQUERQUE KIRTLAND FIELD	1953-12-01	1958-06-30	35° 2'	-106° 37'	5311		AIRWAYS, COOP
ALBUQUERQUE INTL AP	2001-10-01	2006-07-31	35° 2'	-106° 37'	5310		ASOS, COOP
ALBUQUERQUE SUNPORT KIRTLAND AFB	1968-12-31	1971-12-01	35° 2'	-106° 37'	5311		COOP
ALBUQUERQUE SUNPORT KIRTLAND AFB	1963-12-01	1968-12-31	35° 2'	-106° 37'	5311		AIRWAYS, COOP
ALBUQUERQUE INTL AP	1971-12-01	1973-01-01	35° 2'	-106° 37'	5311		COOP
ALBUQUERQUE INTL AP	1991-07-19	1993-08-23	35° 3'	-106° 37'	5310		COOP, WXSVC
ALBUQUERQUE INTL AP	2011-01-28	Present	35° 2'	-106° 36'	5310		AIRSAMPLE, AIRWAYS, ASOS, COOP
ALBUQUERQUE	1946-08-01	1953-12-01	35° 2'	-106° 37'	5311		AIRWAYS, COOP
ALBUQUERQUE MUNICIPAL AP	1958-06-30	1963-12-01	35° 2'	-106° 37'	5311		AIRWAYS, COOP
ALBUQUERQUE INTL AP	1973-01-01	1982-01-01	35° 2'	-106° 37'	5311		COOP, WXSVC
ALBUQUERQUE INTL AP	1993-08-23	1994-03-30	35° 3'	-106° 37'	5309		COOP, WXSVC
ALBUQUERQUE INTL AP	1982-01-01	1991-07-19	35° 3'	-106° 37'	5311		COOP, WXSVC
ALBUQUERQUE INTL AP	1996-03-01	2001-10-01	35° 2'	-106° 36'	5310	.9 MI NE	ASOS, COOP

# Element History

Element	Begin Date	End Date	Frequency	Time Of Observation	Equipment *	Equipment * Modifications	Equipment Exposure
PRECIP	1939-07-31	1946-08-01	DAILY	2400	UNIV	RCRD	ROOF
TEMP	1991-07-19	1993-08-23	DAILY	2400	MXMN		
TEMP	1993-08-23	1994-03-30	DAILY	2400	MXMN		
TEMP	2006-10-21	Present	DAILY	2400	ATEMP		
PRECIP	1995-07-01	1996-03-01	DAILY	2400	UNIV	RCRD	
PRECIP	2006-10-21	Present	HOURLY	2400	AWPAG	RCRD;HTD	
TEMP	2001-10-01	2006-07-31	DAILY	2400	ATEMP		
PRECIP	2006-07-31	2006-10-21	HOURLY	2400	AHTB	RCRD;HTD	
PRECIP	1995-07-01	1996-03-01	HOURLY	2400	UNIV	RCRD	
PRECIP	1996-03-01	2001-10-01	DAILY	2400	TB	RCRD	
PRECIP	2006-07-31	2006-10-21	DAILY	2400	PCPNX		ROOF
TEMP	1939-07-31	1946-08-01	DAILY	2400			
TEMP	1946-08-01	1991-07-19	DAILY	2400			
PRECIP	1946-08-01	1991-07-19	HOURLY	2400			
PRECIP	1991-07-19	1993-08-23	DAILY	2400	UNIV	RCRD	
PRECIP	1991-07-19	1993-08-23	HOURLY	2400			
PRECIP	2001-10-01	2006-07-31	DAILY	2400	TB	RCRD	
PRECIP	1946-08-01	1991-07-19	DAILY	2400	UNIV	RCRD	
PRECIP	1993-08-23	1994-03-30	DAILY	2400	UNIV	RCRD	
PRECIP	1993-08-23	1994-03-30	HOURLY	2400			
PRECIP	1994-03-30	1995-07-01	DAILY	2400	UNIV	RCRD	
TEMP	1994-03-30	1995-07-01	DAILY	2400	MXMN		
PRECIP	1994-03-30	1995-07-01	HOURLY	2400			
TEMP	1995-07-01	1996-03-01	DAILY	2400	MXMN		
PRECIP	2001-10-01	2006-07-31	HOURLY	2400	TB	RCRD	
TEMP	2006-07-31	2006-10-21	DAILY	2400	ATEMP		
PRECIP	1996-03-01	2001-10-01	HOURLY	2400	TB	RCRD	
TEMP	1996-03-01	2001-10-01	DAILY	2400	HYGR		
PRECIP	2006-10-21	Present	DAILY	2400	PCPNX		

\* 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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NOAA/National Climatic Data Center

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151 Patton Avenue

Asheville, NC 28801-5001

Visit our Web Site for other weather data: [www.ncdc.noaa.gov](http://www.ncdc.noaa.gov)