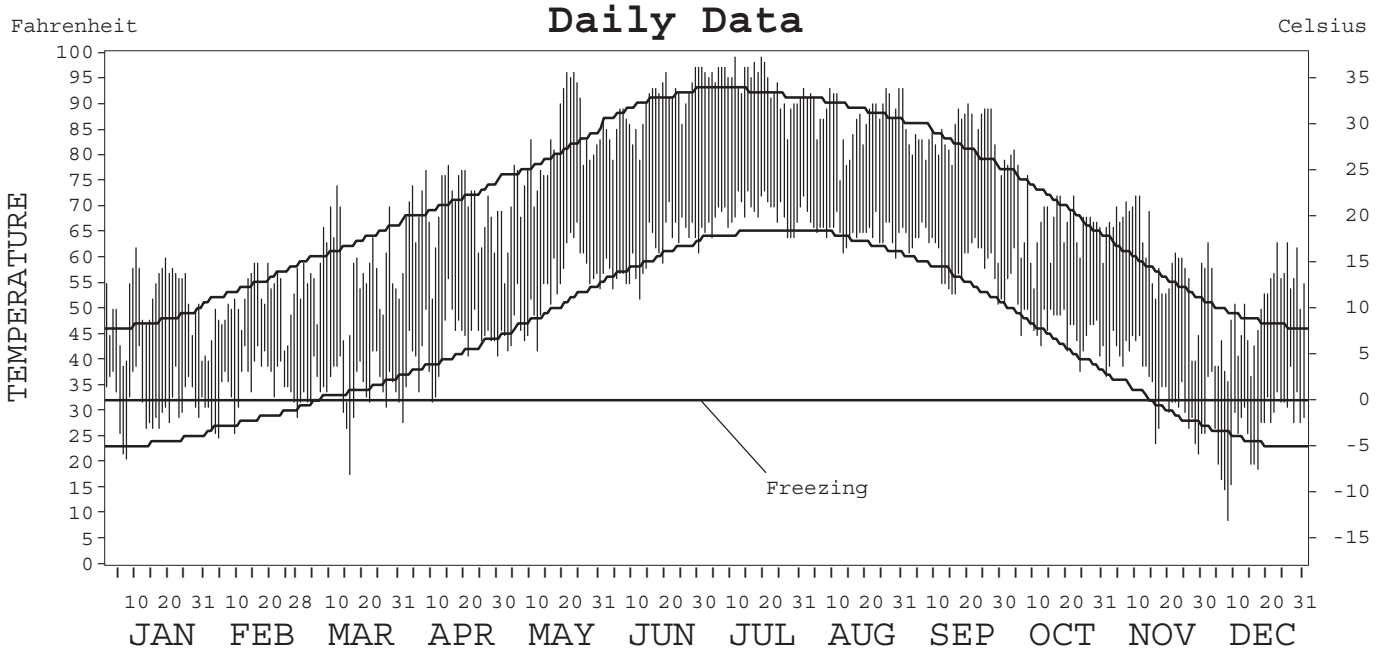
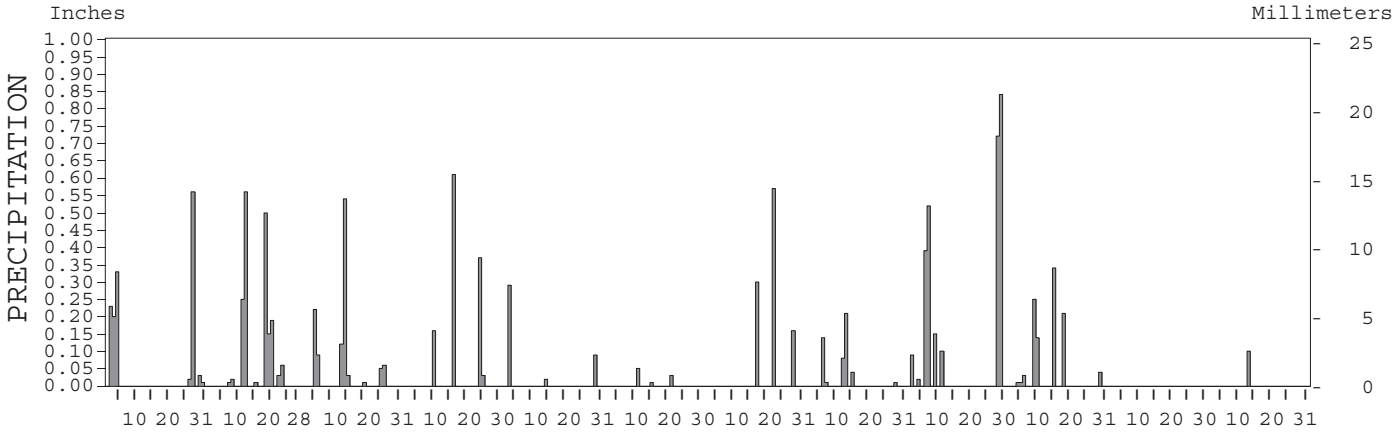
2005 LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA

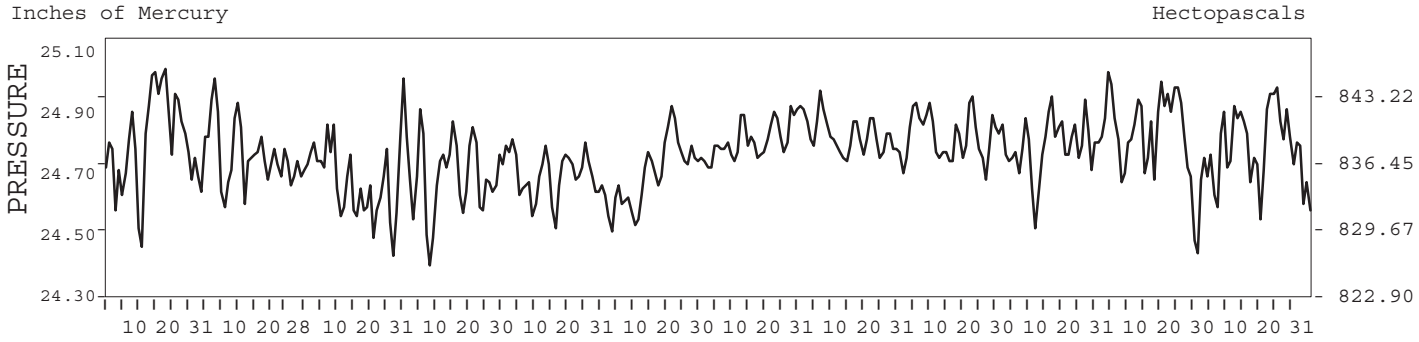
ISSN 0198-3474

ALBUQUERQUE,
NEW MEXICO (ABQ)

Daily Data







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Thomas R. Karl

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE, DATA, AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER ASHEVILLE, NORTH CAROLINA

DIRECTOR NATIONAL CLIMATIC DATA CENTER

METEOROLOGICAL DATA FOR 2005

ALBUQUERQUE, NM (ABQ)

LATITUDE: 35° 02′ 32″ N LONGITUDE: 106° 36′ 23″ W ELEVATION (FT): GRND: 5305 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	51.6	51.4	57.1	69.3	79.6	89.2	94.1	87.9	83.3	67.9	60.4	50.5	70.2
	HIGHEST DAILY MAXIMUM	62	59	74	78	96	97	99	93	90	81	72	63	99
	DATE OF OCCURRENCE	10	19+	12	15	23+	30+	19+	31+	20	04	11+	26+	JUL 19+
	MEAN DAILY MINIMUM	31.8	35.0	34.7	42.8	53.4	61.0	68.5	65.3	59.8	47.6	35.2	27.1	46.8
	LOWEST DAILY MINIMUM	21	25	18	28	42	52	64	60	51	38	22	9	9
	DATE OF OCCURRENCE	07	04	16	01	12+	12	29+	29	29	24	29	08	DEC 08
	AVERAGE DRY BULB	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
	MEAN WET BULB	35.4	37.2	36.9	42.5	50.7	54.2	60.0	60.3	55.9	48.6	35.6	29.5	45.6
	MEAN DEW POINT	26.2	29.8	25.4	25.1	35.1	34.6	44.5	49.4	43.2	40.4	18.2	11.7	32.0
	NUMBER OF DAYS WITH:													
	MAXIMUM ≥ 90°	0	0	0	0	7	16	28	14	1	0	0	0	66
	MAXIMUM ≤ 32°	0	0	1	0	0	0	0	0	0	0	0	0	1
	MINIMUM ≤ 32°	17	8	10	2	0	0	0	0	0	0	12	25	74
	MINIMUM ≤ 0°	0	0	0	0	0	0	0	0	0	0	0	0	0
H/C	HEATING DEGREE DAYS	716	603	583	262	76	0	0	0	11	228	507	805	3791
	COOLING DEGREE DAYS	0	0	0	2	132	311	514	370	216	13	0	0	1558
RH	MEAN (PERCENT)	57	63	50	36	36	26	32	43	42	57	34	35	43
	HOUR 05 LST	70	78	62	53	53	39	47	60	54	72	45	46	57
	HOUR 11 LST	53	58	47	29	30	22	29	38	34	51	28	32	38
	HOUR 17 LST	42	46	34	23	23	16	19	29	30	41	22	23	29
	HOUR 23 LST	60	66	52	39	38	26	33	47	46	61	36	36	45
S	PERCENT POSSIBLE SUNSHINE													
W/O	NUMBER OF DAYS WITH:													
	HEAVY FOG(VISBY ≤ 1/4 MI)	3	1	1	1	0	0	0	0	0	0	0	1	7
	THUNDERSTORMS	1	1	2	2	5	6	7	5	7	6	0	0	42
CLOUDINESS	SUNRISE-SUNSET: (OKTAS)													
	CEILOMETER (≤ 12,000 FT.)													
	SATELLITE (> 12,000 FT.)													
	MIDNIGHT-MIDNIGHT: (OKTAS)													
	CEILOMETER (≤ 12,000 FT.)													
	SATELLITE (> 12,000 FT.)													
	NUMBER OF DAYS WITH:													
	CLEAR													
	PARTLY CLOUDY													
	CLOUDY													
PR	MEAN STATION PRESS. (IN.)	24.80	24.76	24.67	24.70	24.70	24.70	24.82	24.81	24.83	24.80	24.81	24.79	24.77
	MEAN SEA-LEVEL PRESS. (IN.)		30.04	29.91	29.88	29.81	29.75	29.87			29.99	30.07	30.10	
WINDS	RESULTANT SPEED (MPH)	0.2	0.2	1.9	1.6	0.9	0.9	1.5	1.8	1.2	1.5	1.9	3.2	0.5
	RES. DIR. (TENS OF DEGS.)	02	12	29	26	23	32	12	03	15	09	33	34	34
	MEAN SPEED (MPH)	6.9	7.0	8.8	10.0	9.1	8.4	8.9	8.0	7.1	7.1	6.7	6.7	7.9
	PREVAIL.DIR.(TENS OF DEGS.)	01	36	27	28	09	35	12	10	13	01	01	36	36
	MAXIMUM 2-MINUTE WIND:													
	SPEED (MPH)	32	32	41	41	45	35	45	33	40	45	35	32	45
	DIR. (TENS OF DEGS.)	23	27	29	26	09	16	16	08	15	09	31	29	09
	DATE OF OCCURRENCE	11	20	29	08+	25	15	22	28	06	05	27+	03+	OCT 05
	MAXIMUM 5-SECOND WIND:													
	SPEED (MPH)	44	38	49	54	52	48	53	38	52	56	43	38	56
	DIR. (TENS OF DEGS.)	26	27	25	19	20	20	16	08	16	09	30	28	09
	DATE OF OCCURRENCE	04	20	23	08	05	28	22+	31+	06	05	27	03+	OCT 05
PRECIPITATION	WATER EQUIVALENT:													
	TOTAL (IN.)	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
	GREATEST 24-HOUR (IN.)	0.58	0.68	0.66	0.61	0.29	0.05	0.57	0.21	1.53	0.34	T	0.10	1.53
	DATE OF OCCURRENCE	26-27	11-12	13-14	16	03	11	22	13	28-29	15	27+	13	SEP 28-29
	NUMBER OF DAYS WITH:													
	PRECIPITATION ≥ 0.01	7	10	8	4	3	3	3	6	8	8	0	1	61
	PRECIPITATION ≥ 0.10	4	5	3	3	1	0	3	2	6	4	0	1	32
	PRECIPITATION ≥ 1.00	0	0	0	0	0	0	0	0	0	0	0	0	0
SNOWFALL	SNOW,ICE PELLETS,HAIL:													
	TOTAL (IN.)	T	T	4.2	0.5	0.0	0.0	0.0	0.0	0.0	T	T	0.9	5.6
	GREATEST 24-HOUR (IN.)	T	T	3.3	0.5	0.0	0.0	0.0	0.0	0.0	T	T	0.9	3.3
	DATE OF OCCURRENCE	31+	25+	14	10						18	27+	13	MAR 14
	MAXIMUM SNOW DEPTH (IN.)	0	0	3	0	0	0	0	0	0	0	0	T	3
	DATE OF OCCURRENCE			15									13	MAR 15
	NUMBER OF DAYS WITH:													
	SNOWFALL ≥ 1.0	0	0	1	0	0	0	0	0	0	0	0	0	1

NORMALS, MEANS, AND EXTREMES

ALBUQUERQUE, NM (ABQ)

LATITUDE: 35° 02′ 32″ N LONGITUDE: 106° 36′ 23″ W ELEVATION (FT): GRND: 5305 BARO: 5308 TIME ZONE: MOUNTAIN (UTC + 7) WBAN: 23050

	ELEMENT	POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	47.6	54.6	62.4	70.6	79.7	90.2	92.3	89.0	82.2	70.7	57.1	47.9	70.4
	MEAN DAILY MAXIMUM	58	47.6	53.4	61.1	70.5	80.0	90.1	92.3	89.3	82.9	71.1	57.0	47.8	70.3
	HIGHEST DAILY MAXIMUM	66	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.	58	60.9	67.3	75.5	83.2	91.3	99.3	99.9	96.2	92.3	83.3	70.4	60.7	81.7
	NORMAL DAILY MINIMUM	30	23.8	28.2	33.7	40.5	49.7	59.4	64.7	63.2	56.0	43.8	31.6	24.2	43.2
	MEAN DAILY MINIMUM	58	24.0	27.9	33.2	41.0	50.5	59.9	65.2	63.4	56.5	44.4	32.2	24.5	43.6
	LOWEST DAILY MINIMUM	66	-17	-5	8	19	16	40	52	50	37	21	-7	-7	-17
	YEAR OF OCCURRENCE		1971	1951	1948	1980	2002	1980	1985	1992	1971	1991	1976	1990	JAN 1971
	MEAN OF EXTREME MINS.	58	10.1	14.4	20.2	28.4	37.2	48.9	58.9	57.0	45.5	31.8	19.1	11.4	31.9
	NORMAL DRY BULB	30	35.7	41.4	48.1	55.6	64.7	74.8	78.5	76.1	69.1	57.3	44.4	36.1	56.8
	MEAN DRY BULB	58	35.8	40.6	47.2	55.8	65.1	75.0	78.8	76.3	69.6	58.0	44.6	36.1	56.9
	MEAN WET BULB	22	30.2	33.4	37.1	42.1	48.9	55.2	60.4	61.0	54.8	45.9	36.1	29.8	44.6
	MEAN DEW POINT	22	19.8	21.0	21.3	23.9	30.3	38.0	48.4	51.3	43.2	33.6	24.1	19.5	31.2
	NORMAL NO. DAYS WITH:														
	MAXIMUM ≥ 90°	30	0.0	0.0	0.0	0.0	2.4	17.3	22.3	15.9	4.1	0.1	0.0	0.0	62.1
	MAXIMUM ≤ 32°	30	1.9	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.6	4.4
	MINIMUM ≤ 32°	30	27.9	20.9	12.8	4.0	0.2	0.0	0.0	0.0	0.0	2.2	15.7	27.7	111.4
	MINIMUM ≤ 0°	30	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.4
H/C	NORMAL HEATING DEG. DAYS	30	914	670	525	294	85	4	0	0	29	248	614	898	4281
	NORMAL COOLING DEG. DAYS	30	0	0	0	6	70	297	417	343	148	9	0	0	1290
RH	NORMAL (PERCENT)	30	57	50	41	34	33	30	41	48	46	46	50	56	44
	HOUR 05 LST	30	71	65	57	50	49	46	59	66	63	62	65	70	60
	HOUR 11 LST	30	51	43	34	27	26	24	33	40	39	39	42	50	37
	HOUR 17 LST	30	42	32	25	20	20	18	27	31	30	30	36	43	30
	HOUR 23 LST	30	61	52	44	36	35	33	46	54	51	50	54	61	48
S	PERCENT POSSIBLE SUNSHINE	63	72	72	73	77	79	83	76	76	79	79	76	71	76
W/O	MEAN NO. DAYS WITH:														
	HEAVY FOG(VISBY≤1/4 MI)	67	1.2	1.0	0.6	0.2	0.0	0.0	0.1	0.0	0.1	0.3	0.6	1.7	5.8
	THUNDERSTORMS	67	0.1	0.3	0.9	1.6	3.9	5.1	10.8	10.7	4.6	2.5	0.6	0.2	41.3
CLOUDINESS	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	3.2
	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
PR	MEAN STATION PRESSURE(IN)	33	24.80	24.70	24.70	24.70	24.70	24.70	24.80	24.80	24.80	24.80	24.80	24.80	24.76
	MEAN SEA-LEVEL PRES. (IN)	20	30.11	30.02	29.92	29.85	29.81	29.82	29.88	29.92	29.93	29.98	30.05	30.12	29.95
WINDS	MEAN SPEED (MPH)	49	7.9	8.6	9.8	10.6	10.3	9.5	8.8	7.9	8.1	7.9	7.8	7.6	8.7
	PREVAIL.DIR(TENS OF DEGS)	34	36	36	36	18	18	09	10	09	10	36	36	36	36
	MAXIMUM 2-MINUTE:														
	SPEED (MPH)	9	49	47	49	47	48	53	46	51	43	45	51	51	53
	DIR. (TENS OF DEGS)		09	27	09	08	25	09	09	08	34	09	29	06	09
	YEAR OF OCCURRENCE		2003	2000	2000	2004	1999	2004	2000	2000	2000	2005	2003	1997	JUN 2004
	MAXIMUM 5-SECOND:														
	SPEED (MPH)	9	58	59	58	62	64	63	56	61	53	56	61	57	64
	DIR. (TENS OF DEGS)		09	29	09	24	28	08	06	09	33	09	29	07	28
	YEAR OF OCCURRENCE		2003	2000	2000	2003	2001	2004	2000	2000	2000	2005	2003	1997	MAY 2001
PRECIPITATION	NORMAL (IN)	30	0.49	0.44	0.61	0.50	0.60	0.65	1.27	1.73	1.07	1.00	0.62	0.49	9.47
	MAXIMUM MONTHLY (IN)	66	1.38	1.82	2.34	3.00	3.07	2.86	3.33	3.30	2.83	3.08	1.93	1.85	3.33
	YEAR OF OCCURRENCE		2005	1993	1998	2004	1941	1996	1968	1967	2005	1972	1991	1959	JUL 1968
	MINIMUM MONTHLY (IN)	66	T	T	T	T	T	T	0.08	T	T	0.00	0.00	0.00	0.00
	YEAR OF OCCURRENCE		1970	1984	1966	1996	1945	1975	1980	1962	1957	1952	1949	1981	DEC 1981
	MAXIMUM IN 24 HOURS (IN)	66	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	4.6	4.1	5.2	3.2	4.8	4.1	8.4	9.6	6.1	5.2	4.4	4.2	63.9
	PRECIPITATION ≥ 1.00	30	0.0	0.0	*	*	0.0	0.1	0.1	0.2	*	0.1	*	0.0	0.5
SNOWFALL	NORMAL (IN)	30	3.1	2.2	1.8	0.9	0.*	0.0	0.0	0.0	0.*	0.3	1.1	2.6	12.0
	MAXIMUM MONTHLY (IN)	66	9.5	10.3	13.9	8.1	1.0	T	T	T	T	3.2	9.3	14.7	14.7
	YEAR OF OCCURRENCE		1973	1986	1973	1973	1979	1996	1996	1996	1971	1986	1940	1959	DEC 1959
	MAXIMUM IN 24 HOURS (IN)	66	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	1996	1990	1993	1971	1986	1946	1958	DEC 1958
	MAXIMUM SNOW DEPTH (IN)	57	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	1.0	0.9	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.8	4.1

PRECIPITATION (inches) 2005 ALBUQUERQUE, NM (ABQ)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1976	0.00	0.40	0.09	0.31	0.82	0.60	1.32	0.73	0.45	0.03	0.24	0.20	5.19
1977	0.88	0.13	0.63	1.07	0.10	0.04	0.69	2.28	0.78	0.76	0.42	0.13	7.91
1978	1.32	1.02	0.54	0.05	0.69	1.05	0.24	2.49	0.59	1.22	1.00	0.76	10.97
1979	1.07	0.62	0.14	0.24	2.48	1.02	0.80	1.53	0.40	0.27	0.91	0.87	10.35
1980	0.87	0.58	0.60	0.60	0.56	0.01	0.08	2.61	1.83	0.09	0.30	0.74	8.87
1981	0.05	0.67	0.80	0.30	0.53	0.35	1.07	1.68	0.41	1.43	0.37	0.00	7.66
1982	0.32	0.20	0.84	0.05	0.52	0.09	1.32	1.09	1.34	0.26	0.60	0.78	7.41
1983	1.10	0.71	0.61	0.02	0.32	1.21	0.55	0.27	0.91	1.20	0.44	0.42	7.76
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
POR= 113 YRS	0.41	0.42	0.51	0.59	0.63	0.62	1.34	1.44	0.95	0.86	0.46	0.41	8.64

WBAN : 23050

AVERAGE TEMPERATURE (°F) 2005 ALBUQUERQUE, NM (ABQ)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1976	33.2	43.3	44.3	54.6	62.8	73.4	77.0	75.0	68.0	53.1	40.6	33.0	54.9
1977	29.8	40.7	43.2	56.5	64.2	75.5	78.6	77.4	69.4	58.9	46.4	40.4	56.8
1978	36.8	39.3	50.2	57.7	60.5	75.5	81.6	75.5	69.1	60.3	47.5	34.3	57.4
1979	32.9	41.1	48.4	56.9	63.7	73.3	80.6	77.1	72.3	61.5	41.0	37.7	57.2
1980	40.2	44.2	46.1	52.1	61.1	77.2	82.7	77.4	69.9	54.5	43.5	40.5	57.5
1981	38.0	42.9	46.2	59.0	64.5	77.0	79.8	76.4	69.7	55.7	47.0	40.5	58.1
1982	35.9	39.4	47.4	56.1	63.0	74.8	79.1	77.4	69.5	54.8	42.9	34.4	56.2
1983	35.0	39.7	46.9	50.2	63.0	73.4	80.4	79.4	73.4	58.3	45.1	36.7	56.8
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
POR= 113 YRS	35.1	40.0	46.8	55.2	64.0	73.7	77.5	75.3	68.6	57.0	44.0	35.3	56.0

HEATING DEGREE DAYS (base 65°F) 2005 ALBUQUERQUE, NM (ABQ)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1976-77	0	0	35	367	726	985	1084	675	669	250	61	0	4852
1977-78	0	0	1	192	551	757	870	713	454	215	175	2	3930
1978-79	0	0	20	167	521	945	988	665	509	241	100	12	4168
1979-80	0	0	23	148	715	840	763	595	577	379	139	2	4181
1980-81	0	0	6	335	640	752	827	611	575	197	62	2	4007
1981-82	0	0	3	280	534	754	895	709	538	268	94	0	4075
1982-83	0	0	23	314	658	941	922	703	556	439	127	0	4683
1983-84	0	0	11	198	592	875	948	714	559	362	22	3	4284
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-	0	0	11	228	507	805							

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COOLING DEGREE DAYS (base 65°F) 2005 ALBUQUERQUE, NM (ABQ)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1976	0	0	0	0	38	260	382	319	137	5	0	0	1141
1977	0	0	0	0	44	324	427	392	141	7	0	0	1335
1978	0	0	0	4	41	324	521	330	151	27	0	0	1398
1979	0	0	0	5	67	269	491	382	249	45	0	0	1508
1980	0	0	0	0	27	375	557	392	160	15	0	0	1526
1981	0	0	0	28	51	368	470	360	152	1	0	0	1430
1982	0	0	0	6	38	301	441	394	163	4	0	0	1347
1983	0	0	0	1	72	260	484	450	267	1	0	0	1535
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

SNOWFALL (inches) 2005 ALBUQUERQUE, NM (ABQ)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1976-77	0.0	0.0	0.0	T	2.4	1.2	8.4	1.4	2.3	2.6	0.0	0.0	18.3
1977-78	0.0	0.0	0.0	0.0	0.0	T	6.0	3.4	2.0	0.0	0.1	0.0	11.5
1978-79	0.0	0.0	0.0	0.0	T	1.0	2.6	6.0	T	0.5	1.0	0.0	11.1
1979-80	0.0	0.0	0.0	0.9	0.8	2.7	T	0.9	3.1	T	T	0.0	8.4
1980-81	0.0	0.0	0.0	T	2.8	7.4	0.5	2.6	0.9	T	0.0	0.0	14.2
1981-82	0.0	0.0	0.0	0.0	0.0	0.0	3.6	1.2	0.7	T	0.0	0.0	5.5
1982-83	0.0	0.0	0.0	0.0	0.9	3.3	7.3	4.2	1.0	T	T	0.0	16.7
1983-84	0.0	0.0	0.0	0.0	0.8	0.8	4.1	T	0.1	3.0	0.0	0.0	8.8
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-	0.0	0.0	0.0	T	T	0.9							
POR= 64 YRS	T	T	T	0.1	1.2	2.7	2.5	2.1	1.8	0.6	T	T	11.0

WBAN : 23050

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.
NORMALS ARE 30-YEAR AVERAGES (1971 - 2000).
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 AND ON SATELLITE DATA FOR CLOUDS ABOVE 12,000 FEET.
THE NUMBER OF DAYS WITH CLEAR, PARTLY CLOUDY, AND CLOUDY CONDITIONS FOR ASOS STATIONS IS THE SUM OF THE CEILOMETER AND SATELLITE DATA FOR THE SUNRISE TO SUNSET PERIOD.

GENERAL CONTINUED:
CLEAR INDICATES 0 - 2 OKTAS, PARTLY CLOUDY INDICATES 3 - 6 OKTAS, AND CLOUDY INDICATES 7 OR 8 OKTAS. WHEN AT LEAST ONE OF THE ELEMENTS (CEILOMETER OR SATELLITE) IS MISSING, THE DAILY CLOUDINESS IS NOT COMPUTED.
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 EIGHTS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER.

2005
ALBUQUERQUE,
NEW MEXICO (ABQ)

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 LOCATION

LOCATION	Occupied From	Occupied To	Airline Distances and Directions from previous Location	LATITUDE NORTH	LONGITUDE WEST	ELEVATION ABOVE SEA LEVEL: GROUND TEMPERATURE SITE	ELEVATION ABOVE GROUND: WIND INSTRUMENT	EXTREME THERMOMETERS	PSYCHROMETER	SUNSHINE SWITCH	TIPPING BUCKET RAIN GAUGE	WEIGHING RAIN GAGE	8 INCH RAIN GAGE	HYGROTHERMOMETER	AUTOMATIC OBSERVING EQUIPMENT *	REMARKS
*NOTE:																
AIRPORT																
TWA Airport West of City	1/23/33	7/31/39	3.8mi. W	35°05′	106°43′	5100	39	6	5		15		15			
Administration Building Municipal Airport	7/31/39	6/23/58	6mi.ESE	35°03′	106°37′	5310	48	6	5	Unk	3	5	3			
Administration Building Municipal Airport	6/23/58	2/4/60	A			5310	48	16	15	Unk a31	13	15	13			A. Instrument relocation to roof 33 feet SSE of ground site.
Administration Building Municipal Airport	2/4/60	3/16/65	B	35°03′	106°37′	5311	48 b23	17	17	31	13	15	13	5		B. Instrument relocations and commissioning of hygrothermometer.
FAA/Weather Bureau Building + Albuquerque Sunport-Kirtland AFB ++ + FAA/Weather Service Building (Eff.1971) ++ Albuquerque Int'l AP (Effective 1981)	3/16/65	03/01/96	350ft.SW	35°03′	106°37′	5311	23	16	16	16 d26	17	17	c13 e17	c5 f5		a. Effective 9/18/59. b. Effective 3/1/60. c. Not moved 3/16/65. d. Effective 1/22/66. e. Effective 4/16/66. f. Relocated 11/28/84.
Int'l Airport-Kirtland AFB	3/01/96	Present	NA	35°03′	106°36′	g5305									S	ASOS commissioned 03/01/96 g. Ground elevation.

* TYPE

M = AMOS
T = AUTOB
S = ASOS
W = AWOS

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*** NOTES: For earlier station history see previous edition.**