

1997

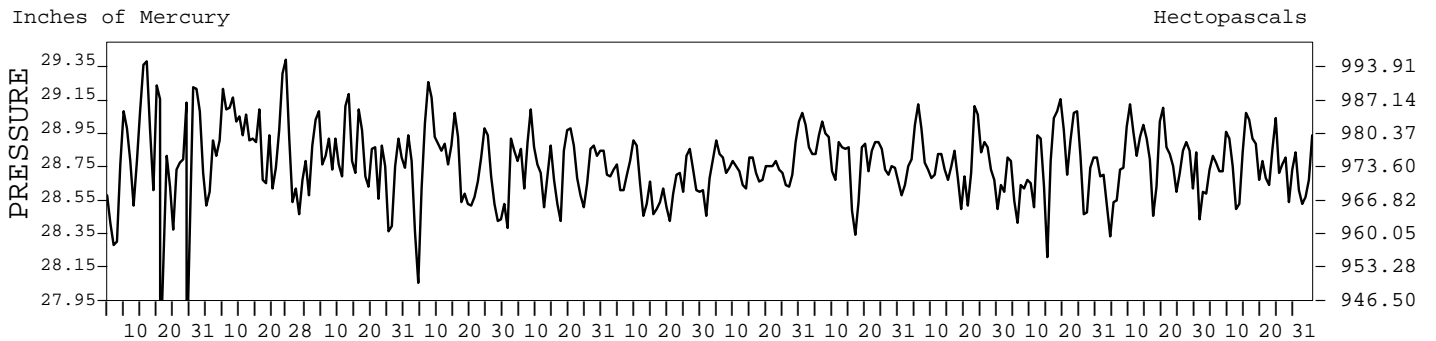
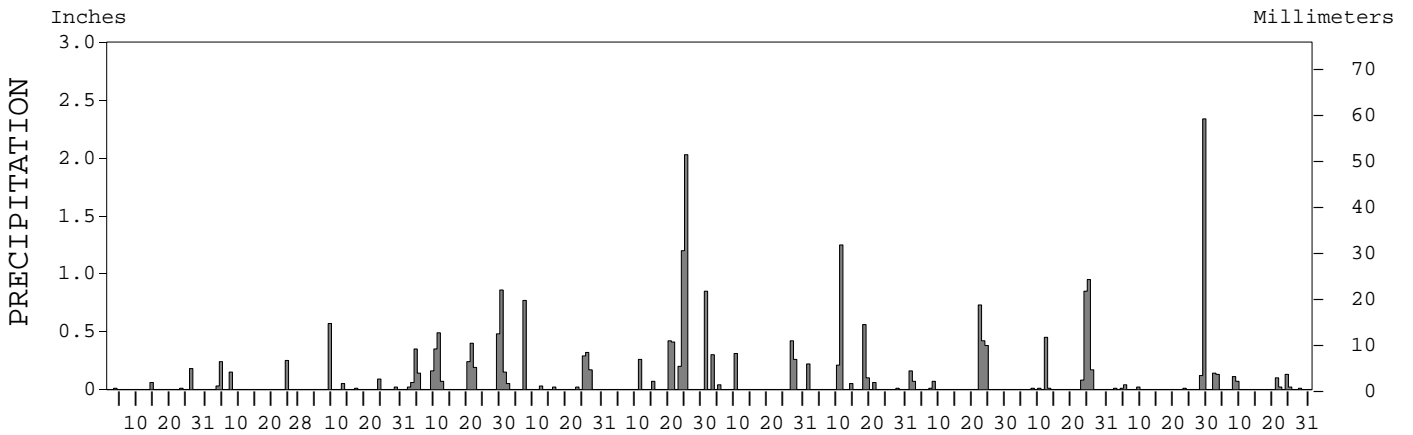
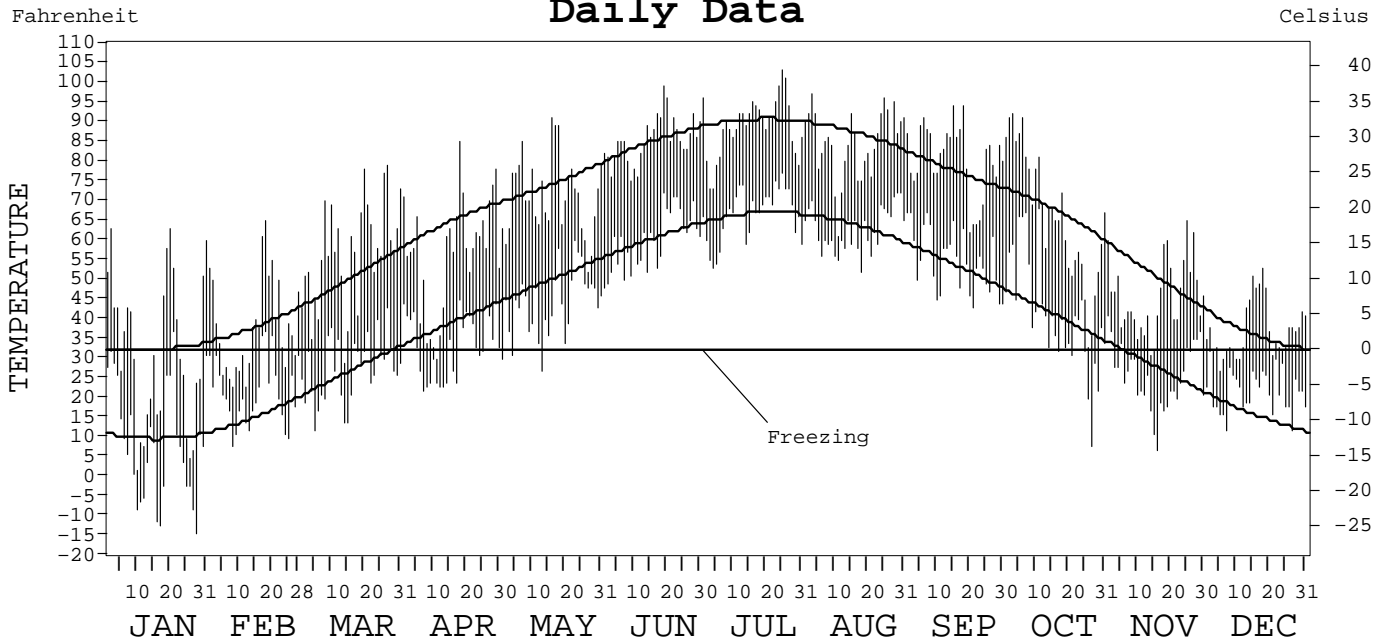
LOCAL CLIMATOLOGICAL DATA  
ANNUAL SUMMARY WITH COMPARATIVE DATA



ISSN 0198-3121

LINCOLN,  
NEBRASKA (LNK)

Daily Data



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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL AND INFORMATION SERVICE  
NATIONAL SATELLITE, DATA, AND INFORMATION SERVICE  
CLIMATIC DATA CENTER  
ASHEVILLE, NORTH CAROLINA

*Jenneth A. Schickel*  
ACTING DIRECTOR  
NATIONAL CLIMATIC DATA CENTER

# METEOROLOGICAL DATA FOR 1997

## LINCOLN, NE (LNK)

LATITUDE: 40° 49' 52" N      LONGITUDE: 96° 45' 52" W      ELEVATION (FT.): GRND: 1178      BARO: 1197      TIME ZONE: CENTRAL (UTC+ 6)      WBAN: 14939

ELEMENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE ° F	MEAN DAILY MAXIMUM	32.2	38.1	56.9	56.7	71.3	85.4	88.8	84.5	80.4	66.2	46.0	37.3	62.0	
	HIGHEST DAILY MAXIMUM	63	65	79	85	91	99	103	97	94	92	65	53	103	
	DATE OF OCCURRENCE	20+	18	27	18	16	19	25	03	18+	03	25	18	JUL 25	
	MEAN DAILY MINIMUM	9.1	21.5	27.3	33.4	43.8	59.9	66.5	62.7	54.8	41.4	25.5	21.7	39.0	
	LOWEST DAILY MINIMUM	-14	8	12	22	27	48	53	52	43	8	7	12	-14	
	DATE OF OCCURRENCE	28	08	05	07	13	01	04	18	21	27	16	27+	JAN 28	
	AVERAGE DRY BULB	20.7	29.8	42.1	45.1	57.6	72.7	77.7	73.6	67.6	53.8	35.8	29.5	50.5	
	MEAN WET BULB			36.1	41.0	50.8	65.4	69.9	67.4	61.2	49.1	32.6	28.3		
	MEAN DEW POINT			27.8	34.7	43.5	60.5	65.9	64.1	56.7	44.7	27.7	25.5		
	NUMBER OF DAYS WITH:														
	MAXIMUM ≥ 90°	0	0	0	0	1	7	16	11	3	3	0	0	41	
	MAXIMUM ≤ 32°	17	11	1	1	0	0	0	0	0	0	2	9	41	
	MINIMUM ≤ 32°	30	25	23	13	3	0	0	0	0	7	23	31	155	
MINIMUM ≤ 0°	10	0	0	0	0	0	0	0	0	0	0	0	10		
H/C	HEATING DEGREE DAYS	1368	977	703	590	243	3	3	9	49	405	871	1095	6316	
	COOLING DEGREE DAYS	0	0	0	0	19	239	400	282	134	68	0	0	1142	
RH	MEAN (PERCENT)	70	79	62	69	62	67	69	75	72	73	75	84	71	
	HOUR 00 LST	73	83	73	78	71	78	75	84	84	81	83	90	79	
	HOUR 06 LST	80	88	78	84	80	87	86	92	91	85	86	88	85	
	HOUR 12 LST	60	72	47	57	47	53	58	60	56	61	63	77	59	
	HOUR 18 LST	66	74	47	57	49	51	56	61	55	66	69	83	61	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	2	0	0	3	0	0	0	0	1	4	1	1	12	
	THUNDERSTORMS	0	0	2	2	7	9	10	6	3	2	0	0	41	
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.)		28.88	28.78	28.72	28.73	28.63	28.74	28.75	28.75	28.71	28.76	28.74		
	MEAN SEA-LEVEL PRESS. (IN.)			30.07	30.00	29.98	29.86	29.97	29.99	30.00	29.97	30.05	30.05		
WINDS	RESULTANT SPEED (MPH)		2.6	2.8	2.8	2.6	1.6	4.1	1.7	0.7	3.5	3.3	3.8		
	RES. DIR. (TENS OF DEGS.)		32	29	35	31	18	17	19	12	18	32	33		
	MEAN SPEED (MPH)	10.6	9.3	11.8	10.7	10.6	8.1	9.4	7.5	8.4	10.4	9.5	8.8	9.6	
	PREVAIL. DIR. (TENS OF DEGS.)	32	36	31	35	33	18	18	16	16	17	36	34	16	
	MAXIMUM 2-MINUTE WIND:														
	SPEED (MPH)	37	34	39	41	34	39	49	23	30	38	43	46	49	
	DIR. (TENS OF DEGS.)	32	35	35	29	34	30	31	12	34	28	33	34	31	
	DATE OF OCCURRENCE	15	21	21	06	18	20	01	28	19	13	02	30	JUL 01	
	MAXIMUM 5-SECOND WIND:														
	SPEED (MPH)	47	46	48	51	41	51	59	32	37	47	53	56	59	
DIR. (TENS OF DEGS.)	31	34	18	30	34	17	32	36	01	28	32	32	32		
DATE OF OCCURRENCE	15	21	27	06	18	23	01	19	08	13	02	30	JUL 01		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	0.26	0.67	0.74	3.81	1.82	4.59	2.18	2.46	1.84	2.53	2.55	0.73	24.18	
	GREATEST 24-HOUR (IN.)	0.18	0.25	0.57	1.34	0.77	2.80	0.85	1.46	0.81	0.95	2.41	0.27	2.80	
	DATE OF OCCURRENCE	26	24	09	29-30	07	24-25	01	10-11	22-23	25	28-29	02-03	JUN 24-25	
	NUMBER OF DAYS WITH:														
	PRECIPITATION ≥ 0.01	4	4	5	13	9	7	6	8	7	8	7	9	87	
PRECIPITATION ≥ 0.10	1	3	1	10	5	6	5	5	4	4	2	5	51		
PRECIPITATION ≥ 1.00	0	0	0	0	0	2	0	1	0	0	1	0	4		
SNOWFALL	SNOW, ICE PELLETS, HAIL:														
	TOTAL (IN.)	5.8	8.3	T	11.1	0.0	0.0	0.0	0.0	0.0	13.2	0.2	6.8	45.4	
	GREATEST 24-HOUR (IN.)	2.0	3.8	T	10.1	0.0	0.0	0.0	0.0	0.0	13.2	0.2	2.5	13.2	
	DATE OF OCCURRENCE	26	24	13	10-11						26	14	02-03	OCT 26	
	MAXIMUM SNOW DEPTH (IN.)	3	4	0	7	0	0	0	0	0	10	T	2	10	
	DATE OF OCCURRENCE	28+	24		12						26	23+	25+	OCT 26	
	NUMBER OF DAYS WITH:														
SNOWFALL ≥ 1.0	4	3	0	3	0	0	0	0	0	1	0	3	14		

# NORMALS, MEANS, AND EXTREMES

## LINCOLN, NE (LNK)

LATITUDE: 40° 49' 52" N      LONGITUDE: 96° 45' 52" W      ELEVATION (FT): GRND: 1178      BARO: 1197      TIME ZONE: CENTRAL (UTC+ 6)      WBAN: 14939

ELEMENT		POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	32.4	37.9	50.3	64.4	74.2	84.7	90.0	86.7	77.2	66.7	50.2	35.8	62.5
	MEAN DAILY MAXIMUM	39	33.2	39.1	49.6	63.2	73.1	84.3	89.8	87.0	78.5	67.1	48.8	36.9	62.5
	HIGHEST DAILY MAXIMUM	25	73	84	89	97	99	107	108	107	101	93	82	69	108
	YEAR OF OCCURRENCE		1990	1972	1986	1989	1989	1988	1995	1983	1975	1975	1980	1989	JUL 1995
	MEAN OF EXTREME MAXS.	50	56.0	62.1	76.4	85.8	89.2	98.0	101.0	99.3	93.5	84.6	71.1	58.8	81.3
	NORMAL DAILY MINIMUM	30	10.1	15.1	26.8	38.9	50.0	60.2	66.3	63.3	53.2	40.5	27.3	15.4	38.9
	MEAN DAILY MINIMUM	39	11.5	17.6	27.3	38.9	49.5	60.5	65.6	63.8	53.2	40.8	27.1	16.5	39.4
	LOWEST DAILY MINIMUM	25	-33	-24	-19	3	25	39	42	41	26	8	-5	-27	-33
	YEAR OF OCCURRENCE		1974	1979	1978	1975	1976	1978	1972	1988	1984	1997	1976	1983	JAN 1974
	MEAN OF EXTREME MINS.	50	-9.8	-7.0	4.9	22.2	34.3	45.5	53.5	49.6	35.2	22.8	9.4	-5.9	21.2
	NORMAL DRY BULB	30	21.3	26.6	38.6	51.7	62.1	72.5	78.2	75.0	65.3	53.6	38.8	25.6	50.8
	MEAN DRY BULB	58	22.7	27.9	38.2	51.5	62.1	72.5	77.6	75.5	65.8	54.5	38.7	27.9	51.2
	MEAN WET BULB	51	20.0	25.2	33.9	44.8	55.8	64.4	68.6	67.3	58.6	47.4	34.0	24.4	45.4
	MEAN DEW POINT	51	14.1	19.7	27.8	37.8	50.5	59.8	64.2	63.2	53.6	41.2	28.3	19.0	39.9
NORMAL NO. DAYS WITH:															
MAXIMUM ≥ 90°	30	0.0	0.0	0.0	0.6	0.9	8.9	17.4	11.9	4.4	0.2	0.0	0.0	44.3	
MAXIMUM ≤ 32°	30	14.1	10.7	2.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	2.8	11.7	42.3	
MINIMUM ≤ 32°	30	30.4	26.0	20.8	7.5	0.8	0.0	0.0	0.0	0.5	6.1	21.3	29.9	143.3	
MINIMUM ≤ 0°	30	7.2	4.4	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	4.3	16.6	
H/C	NORMAL HEATING DEG. DAYS	30	1355	1075	818	399	161	11	0	9	81	362	786	1221	6278
	NORMAL COOLING DEG. DAYS	30	0	0	0	0	72	236	409	319	90	8	0	0	1134
RH	NORMAL (PERCENT)	30	70	72	69	64	67	65	65	69	70	67	72	73	69
	HOUR 00 LST	30	75	79	76	72	76	75	76	78	79	76	78	78	76
	HOUR 06 LST	30	77	80	81	80	83	83	83	86	86	82	81	79	82
	HOUR 12 LST	30	63	64	60	52	56	53	53	57	57	53	60	65	58
	HOUR 18 LST	30	66	65	57	50	54	50	50	54	58	57	66	70	58
S	PERCENT POSSIBLE SUNSHINE	39	58	57	57	60	61	71	73	72	66	64	54	53	62
W/O	MEAN NO. DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	25	1.4	1.4	1.8	0.7	0.7	0.4	0.2	0.9	0.5	1.2	1.7	2.0	12.9
	THUNDERSTORMS	25	0.1	0.2	1.9	4.3	7.4	8.4	8.7	7.4	5.1	2.0	0.7	0.3	46.5
CLOUDINESS	MEAN:														
	SUNRISE-SUNSET (OKTAS)	1		6.0	4.8	5.6	3.2	3.6	3.2	3.6	4.8	4.3	4.0	6.0	
	MIDNIGHT-MIDNIGHT (OKTAS)	1		6.0	4.8	5.6	3.2	4.0	4.4	4.0	4.8	4.0	4.0	4.8	
	MEAN NO. DAYS WITH:														
CLEAR	3	3.0	4.7	4.3		3.0	6.3	4.5	10.5	9.0	12.5	6.5	6.5		
PARTLY CLOUDY	3	2.5	1.0	3.0		2.5	3.7	1.5	5.0	5.0	2.5	2.0	6.0		
CLOUDY	3	4.7	5.7	4.0		6.7	3.7	3.5	4.5	5.0	7.0	4.5	12.5		
PR	MEAN STATION PRESSURE (IN)	23	28.83	28.82	28.70	28.68	28.66	28.67	28.71	28.74	28.76	28.77	28.77	28.82	28.74
	MEAN SEA-LEVEL PRES. (IN)	51	30.16	30.12	29.99	29.95	29.92	29.90	29.36	29.96	30.00	30.04	30.06	30.13	29.97
WINDS	MEAN SPEED (MPH)	33	9.1	9.3	11.1	11.5	10.1	9.1	8.5	8.3	8.8	8.8	9.2	8.9	9.4
	PREVAIL. DIR (TENS OF DEGS)	17	32	36	36	36	18	18	18	18	18	18	36	34	18
	MAXIMUM 2-MINUTE:														
	SPEED (MPH)	5	44	41	41	41	49	46	49	45	45	47	43	46	49
	DIR. (TENS OF DEGS)		33	32	32	29	26	19	31	10	20	30	33	34	31
	YEAR OF OCCURRENCE		1996	1996	1996	1997	1996	1993	1997	1996	1995	1996	1997	1997	JUL 1997
	MAXIMUM 5-SECOND:														
SPEED (MPH)	5	53	52	52	51	83	56	71	53	56	57	53	56	83	
DIR. (TENS OF DEGS)		33	28	31	30	25	19	28	02	19	31	32	32	25	
YEAR OF OCCURRENCE		1996	1996	1996	1997	1996	1993	1993	1996	1995	1996	1997	1997	MAY 1996	
PRECIPITATION	NORMAL (IN)	30	0.54	0.72	2.09	2.76	3.90	3.89	3.20	3.41	3.48	2.12	1.27	0.88	28.26
	MAXIMUM MONTHLY (IN)	25	1.59	1.26	6.65	7.21	10.09	7.67	12.50	8.57	8.28	5.40	3.81	3.42	12.50
	YEAR OF OCCURRENCE		1975	1984	1973	1978	1996	1983	1993	1982	1989	1986	1981	1984	JUL 1993
	MINIMUM MONTHLY (IN)	25	T	0.06	0.13	0.26	0.91	0.63	0.37	0.07	0.29	0.01	0.01	0.04	T
	YEAR OF OCCURRENCE		1986	1996	1988	1989	1989	1976	1983	1976	1974	1975	1989	1976	JAN 1986
	MAXIMUM IN 24 HOURS (IN)	25	0.79	0.84	2.56	2.34	3.31	4.24	5.42	2.98	4.95	4.29	2.41	2.28	5.42
	YEAR OF OCCURRENCE		1989	1984	1987	1974	1984	1985	1990	1982	1989	1979	1997	1984	JUL 1990
NORMAL NO. DAYS WITH:															
PRECIPITATION ≥ 0.01	30	5.6	5.4	8.3	9.3	11.0	8.1	8.1	8.8	8.0	6.6	5.7	5.8	90.7	
PRECIPITATION ≥ 1.00	30	0.0	0.0	0.7	0.6	1.2	0.7	0.7	1.3	1.0	0.5	0.3	0.1	7.1	
SNOWFALL	NORMAL (IN)	30	5.3	4.9	5.4	1.5	0.0	0.0	0.0	0.0	0.*	0.2	3.0	5.8	26.1
	MAXIMUM MONTHLY (IN)	25	16.8	13.8	17.0	11.1	T	T	T	T	0.8	13.2	8.8	19.8	19.8
	YEAR OF OCCURRENCE		1993	1978	1984	1997	1992	1993	1989	1989	1985	1997	1991	1973	DEC 1973
	MAXIMUM IN 24 HOURS (IN)	26	8.0	7.7	8.3	10.1	T	T	T	T	0.8	13.2	7.7	10.4	13.2
	YEAR OF OCCURRENCE		1975	1978	1977	1997	1992	1993	1989	1989	1985	1997	1972	1973	OCT 1997
	MAXIMUM SNOW DEPTH (IN)	52	18	13	20	7	3	0	0	0	0	10	10	16	20
YEAR OF OCCURRENCE		1974	1978	1960	1997	1967					1997	1957	1983	MAR 1960	
NORMAL NO. DAYS WITH:															
SNOWFALL ≥ 1.0	30	1.8	1.8	1.6	0.4	0.0	0.0	0.0	0.0	0.0	0.1	0.9	1.8	8.4	

PRECIPITATION (inches) 1997 LINCOLN, NE (LNK)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1968	0.38	0.09	0.11	3.28	2.10	3.28	3.71	3.63	6.33	2.93	1.30	1.89	29.03
1969	0.68	0.89	1.45	4.62	4.46	2.78	3.93	2.09	0.77	2.88	0.12	1.23	25.90
1970	0.08	0.65	0.71	2.41	3.28	2.84	3.48	3.97	5.84	3.93	1.27	0.28	28.74
1971	1.30	2.79	0.70	0.78	6.30	1.75	3.71	0.95	0.96	4.29	3.41	0.83	27.77
1972	0.22	0.23	0.49	4.23	4.24	2.58	3.18	3.63	2.78	3.22	3.58	1.37	29.75
1973	1.12	0.62	6.65	2.59	5.86	0.77	4.48	0.75	7.52	4.92	1.78	2.15	39.21
1974	0.56	0.08	0.73	3.88	5.22	0.91	0.46	4.52	0.29	2.96	1.08	0.69	21.38
1975	1.59	1.26	1.35	2.75	2.58	3.08	1.63	1.37	1.53	0.01	2.53	0.66	20.34
1976	0.36	1.15	2.59	3.60	3.03	0.63	2.99	0.07	3.09	0.32	0.03	0.04	17.90
1977	0.63	0.08	3.54	1.83	5.20	0.99	3.75	7.48	6.05	1.86	2.03	0.35	33.79
1978	0.34	1.19	1.11	7.21	3.68	2.37	5.05	1.90	4.27	1.46	1.50	0.38	30.46
1979	1.11	0.48	4.93	2.93	2.95	2.99	3.61	2.80	0.40	5.29	1.28	0.38	29.15
1980	1.12	0.55	1.80	1.93	2.07	3.00	1.82	6.21	0.33	1.96	0.08	0.77	21.64
1981	0.15	0.22	1.96	1.88	3.99	0.85	3.24	5.07	2.51	0.92	3.81	0.71	25.31
1982	0.89	0.30	2.68	3.30	5.48	5.57	4.05	8.57	3.22	1.17	1.24	1.97	38.44
1983	0.92	0.66	3.84	1.09	5.00	7.67	0.37	1.17	2.62	1.73	3.64	0.67	29.38
1984	0.27	1.26	3.04	6.52	7.97	5.94	1.35	1.40	1.43	3.89	0.18	3.42	36.67
1985	0.27	0.55	1.37	3.45	3.34	6.17	6.93	2.02	4.37	1.45	0.67	0.32	30.91
1986	T	0.60	2.86	5.71	2.55	5.06	3.92	5.95	5.59	5.40	0.85	1.32	39.81
1987	0.08	0.53	6.53	2.29	4.01	4.19	1.80	6.39	3.20	1.14	0.82	0.70	31.68
1988	0.47	0.14	0.13	2.43	3.25	0.65	1.16	2.27	6.18	0.03	1.09	0.57	18.37
1989	1.14	0.81	0.24	0.26	0.91	4.71	2.03	4.02	8.28	0.82	0.01	0.59	23.82
1990	0.48	0.20	2.86	0.66	4.99	2.47	7.35	3.46	0.62	1.52	1.07	0.77	26.45
1991	0.92	0.12	2.60	2.65	2.98	5.04	2.59	1.26	0.94	1.99	1.72	2.01	24.82
1992	1.38	0.93	2.46	1.92	2.38	2.43	6.58	2.07	2.61	1.70	1.44	0.87	26.77
1993	0.73	0.49	1.90	2.43	4.96	5.83	12.50	4.32	3.56	1.55	0.54	0.41	39.22
1994	0.45	0.41	0.06	1.79	1.71	4.13	4.17	3.21	2.42	1.17	1.97	1.07	22.56
1995	0.63	0.57	2.30	4.36	6.75	1.40	1.70	1.72	2.55	0.98	0.85	0.26	24.07
1996	1.02	0.06	1.46	2.77	10.09	3.95	3.08	6.13	3.80	0.45	2.95	0.12	35.88
1997	0.26	0.67	0.74	3.81	1.82	4.59	2.18	2.46	1.84	2.53	2.55	0.73	24.18
POR= 58 YRS	0.71	0.89	0.53	1.43	3.51	2.46	1.67	0.83	2.30	1.13	0.39	0.07	15.92

WBAN : 14939

AVERAGE TEMPERATURE (°F) 1997 LINCOLN, NE (LNK)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1968	24.9	28.2	46.0	52.9	58.8	74.6	77.8	76.0	66.2	57.2	38.1	24.1	52.1
1969	19.6	27.1	31.6	54.1	64.3	68.5	79.1	76.8	68.7	50.4	42.7	27.0	50.8
1970	18.6	33.2	36.0	53.4	68.3	74.9	79.1	78.0	66.0	52.0	39.0	31.2	52.5
1971	19.9	26.3	37.5	54.3	60.4	78.0	74.6	76.0	68.1	58.8	41.8	31.2	52.2
1972	20.8	26.1	41.5	49.7	60.7	71.2	74.1	72.2	65.1	49.0	36.2	21.6	49.0
1973	23.4	28.4	42.6	49.6	59.0	73.4	75.0	77.2	63.2	56.1	39.0	21.8	50.7
1974	15.6	31.1	42.1	51.8	62.1	70.9	83.8	70.7	60.9	56.1	39.4	26.9	51.0
1975	21.7	20.1	30.6	48.4	63.4	70.9	78.5	79.5	61.7	57.3	39.5	29.9	50.1
1976	24.3	36.8	39.2	54.3	59.0	71.6	78.1	76.2	66.9	47.3	32.1	24.4	50.9
1977	13.1	31.7	43.5	56.7	68.4	74.4	80.9	72.3	66.4	51.4	38.3	25.1	51.9
1978	9.9	13.2	33.6	51.3	60.0	71.6	76.8	74.9	69.1	52.2	36.5	22.3	47.6
1979	7.2	13.0	38.4	49.6	59.7	72.1	75.0	75.2	68.7	54.5	37.3	32.3	48.6
1980	23.4	21.9	35.3	52.2	62.8	74.3	82.2	78.8	66.9	51.9	42.6	28.6	51.7
1981	28.2	31.5	42.8	58.8	59.8	75.0	78.7	72.4	65.9	52.1	42.1	24.9	52.7
1982	11.9	23.5	36.3	48.3	63.4	66.7	78.9	74.1	65.1	54.7	36.9	29.9	49.1
1983	26.9	31.5	39.4	45.3	58.1	71.7	81.1	83.5	69.3	54.8	39.4	8.2	50.8
1984	21.8	35.7	33.4	48.4	59.2	73.5	77.6	78.0	63.0	53.2	40.2	27.9	51.0
1985	20.1	22.5	42.6	54.9	64.5	69.0	76.0	71.3	63.6	53.8	29.0	21.4	49.1
1986	32.7	26.2	45.8	53.2	63.2	75.4	78.7	71.0	68.5	53.7	35.7	30.5	52.9
1987	29.6	37.2	41.8	55.2	67.4	75.8	79.4	72.9	65.7	48.5	43.9	32.4	54.2
1988	21.6	26.3	41.3	51.0	67.6	77.9	77.8	78.3	67.6	50.7	41.3	31.7	52.8
1989	33.5	16.4	38.8	54.8	62.2	70.6	78.3	75.1	63.4	54.4	37.8	19.0	50.4
1990	33.8	31.8	42.8	51.1	59.5	75.3	76.5	76.7	70.5	55.0	44.7	23.5	53.4
1991	18.1	37.6	44.2	54.6	66.6	76.6	78.1	76.3	67.6	52.9	31.7	33.7	53.2
1992	34.4	37.7	43.8	51.6	62.2	69.5	72.8	70.2	65.5	53.7	33.9	26.4	51.8
1993	17.3	20.7	36.0	47.6	60.4	68.8	75.9	74.9	59.9	50.3	35.1	30.8	48.1
1994	20.8	21.8	41.5	50.3	62.9	73.6	72.6	71.8	66.1	53.7	40.5	28.3	50.3
1995	23.6	32.5	39.3	47.6	56.6	70.8	78.1	79.4	63.9	53.1	34.9	28.0	50.7
1996	18.3	30.0	33.0	49.9	59.4	73.0	73.8	72.4	63.2	54.1	32.6	23.1	48.6
1997	20.7	29.8	42.1	45.1	57.6	72.7	77.7	73.6	67.6	53.8	35.8	29.5	50.5
POR= 58 YRS	22.4	28.0	38.3	51.4	62.1	72.5	77.6	75.5	65.8	54.5	38.6	28.0	51.2

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HEATING DEGREE DAYS (base 65°F) 1997 LINCOLN, NE (LNK)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1968-69	0	4	48	275	799	1263	1400	1054	1026	321	129	53	6372
1969-70	0	0	12	469	664	1171	1433	883	891	379	61	7	5970
1970-71	1	0	108	424	774	1040	1393	1077	847	321	173	0	6158
1971-72	4	0	89	223	693	1042	1361	1121	720	453	182	24	5912
1972-73	8	15	108	492	855	1340	1281	1018	688	458	199	1	6463
1973-74	1	0	99	281	772	1333	1533	941	704	403	139	32	6238
1974-75	0	14	161	278	762	1177	1338	1250	1059	495	117	20	6671
1975-76	0	0	168	269	759	1079	1255	810	792	328	206	11	5677
1976-77	0	0	83	553	979	1254	1604	927	659	256	11	0	6326
1977-78	0	0	42	413	793	1230	1703	1447	972	410	193	27	7230
1978-79	0	5	62	392	848	1315	1787	1454	816	463	197	16	7355
1979-80	3	7	42	324	825	1007	1281	1241	912	387	133	5	6167
1980-81	0	0	80	402	666	1120	1133	933	680	209	192	0	5415
1981-82	1	3	71	393	678	1237	1639	1159	880	501	88	52	6702
1982-83	0	3	118	324	840	1081	1173	931	785	584	238	25	6102
1983-84	0	0	75	326	763	1758	1334	841	970	496	196	3	6762
1984-85	0	0	167	366	737	1142	1385	1186	687	326	72	25	6093
1985-86	0	8	198	343	1071	1345	996	1079	602	353	95	0	6090
1986-87	0	15	34	344	874	1064	1090	773	713	331	51	2	5291
1987-88	0	17	51	507	626	1006	1341	1115	728	416	33	2	5842
1988-89	3	6	44	438	706	1025	968	1359	811	374	140	15	5889
1989-90	0	3	139	343	807	1424	960	923	680	443	183	10	5915
1990-91	0	1	55	319	604	1283	1449	760	641	330	104	0	5546
1991-92	0	0	106	391	994	964	941	784	654	405	150	11	5400
1992-93	0	12	90	355	927	1191	1472	1233	891	519	164	38	6892
1993-94	0	4	169	471	890	1050	1362	1205	721	458	146	9	6485
1994-95	3	10	100	348	729	1129	1275	906	787	513	254	27	6081
1995-96	3	0	140	375	895	1140	1440	1006	984	454	215	20	6672
1996-97	3	0	129	346	965	1288	1368	977	703	590	243	3	6615
1997-	3	9	49	405	871	1095							

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COOLING DEGREE DAYS (base 65°F) 1997 LINCOLN, NE (LNK)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1969	0	0	0	0	116	165	445	372	130	27	0	0	1255
1970	0	0	0	38	172	309	445	410	146	26	0	0	1546
1971	0	0	0	8	40	397	309	356	188	38	0	0	1336
1972	0	0	0	0	55	217	296	247	119	2	0	0	936
1973	0	0	0	2	23	258	318	387	53	14	0	0	1055
1974	0	0	0	14	57	215	589	197	46	10	0	0	1128
1975	0	0	0	4	76	204	428	459	74	37	0	0	1282
1976	0	0	0	15	26	216	413	354	144	10	0	0	1178
1977	0	0	0	14	124	289	501	231	91	0	0	0	1250
1978	0	0	5	7	46	230	371	320	193	3	0	0	1175
1979	0	0	0	7	42	235	320	330	160	4	0	0	1098
1980	0	0	0	13	73	293	542	433	142	1	0	0	1497
1981	0	0	0	29	37	308	430	237	102	0	0	0	1143
1982	0	0	0	8	45	111	438	292	124	10	0	0	1028
1983	0	0	0	0	30	235	505	580	211	20	0	0	1581
1984	0	0	0	5	24	264	395	412	114	9	0	0	1223
1985	0	0	0	30	63	152	351	210	162	2	0	0	970
1986	0	0	12	9	43	320	430	209	148	0	0	0	1171
1987	0	0	0	41	130	333	451	267	78	2	0	0	1302
1988	0	0	0	4	117	396	408	427	131	3	0	0	1486
1989	0	0	5	75	63	188	418	321	95	21	0	0	1186
1990	0	0	0	34	17	326	363	370	227	17	3	0	1357
1991	0	0	5	22	162	355	414	356	191	25	0	0	1530
1992	0	0	0	9	71	152	250	182	111	12	0	0	787
1993	0	0	0	0	26	157	345	317	24	18	0	0	887
1994	0	0	0	23	88	273	246	225	140	3	0	0	998
1995	0	0	0	0	4	210	416	457	115	14	0	0	1216
1996	0	0	0	9	47	268	284	234	81	18	0	0	941
1997	0	0	0	0	19	239	400	282	134	68	0	0	1142

SNOWFALL (inches) 1997 LINCOLN, NE (LNK)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1968-69	0.0	0.0	0.0	0.0	1.7	11.7	7.8	13.6	5.0	0.0	0.0	0.0	39.8
1969-70	0.0	0.0	0.0	T	0.2	15.8	1.7	3.2	4.7	0.6	0.0	0.0	26.2
1970-71	0.0	0.0	0.0	6.6	0.6	0.4	15.1	17.6	8.3	0.4	0.0	0.0	49.0
1971-72	0.0	0.0	0.0	0.0	10.0	2.3	3.6	3.9	0.9	0.9	0.0	0.0	21.6
1972-73	0.0	0.0	0.0	T	8.6	6.5	6.7	5.1	0.1	2.2	0.0	0.0	29.2
1973-74	0.0	0.0	0.0	0.0	T	19.8	11.0	0.9	1.6	0.3	0.0	0.0	33.6
1974-75	0.0	0.0	0.0	0.0	1.9	8.3	14.6	10.9	4.4	2.0	0.0	0.0	42.1
1975-76	0.0	0.0	0.0	0.0	6.3	1.3	3.9	4.3	5.3	0.0	0.0	0.0	21.1
1976-77	0.0	0.0	0.0	0.4	0.4	0.6	8.7	T	8.3	3.4	0.0	0.0	21.8
1977-78	0.0	0.0	0.0	0.0	3.3	3.7	4.5	13.8	5.7	T	0.0	0.0	31.0
1978-79	0.0	0.0	0.0	0.0	7.3	3.0	11.5	4.4	3.7	4.5	0.0	0.0	34.4
1979-80	0.0	0.0	0.0	0.4	0.1	2.4	8.1	5.6	6.5	0.2	0.0	0.0	23.3
1980-81	0.0	0.0	0.0	3.3	T	2.3	1.7	1.9	3.8	0.0	0.0	0.0	13.0
1981-82	0.0	0.0	0.0	T	2.1	9.3	3.8	4.4	7.8	4.9	0.0	0.0	32.3
1982-83	0.0	0.0	0.0	T	T	5.2	5.1	7.6	12.9	7.2	0.0	0.0	38.0
1983-84	0.0	0.0	T	0.0	8.6	13.8	2.5	5.1	17.0	0.5	0.0	0.0	47.5
1984-85	0.0	0.0	0.0	0.0	0.5	6.2	4.7	3.1	7.0	0.0	0.0	0.0	21.5
1985-86	0.0	0.0	0.8	0.0	6.9	5.2	T	5.4	T	0.6	0.0	0.0	18.9
1986-87	0.0	0.0	0.0	0.0	1.8	3.9	1.2	1.2	7.6	0.0	0.0	0.0	15.7
1987-88	0.0	0.0	0.0	0.3	5.7	1.1	3.0	2.3	0.6	0.0	0.0	0.0	13.0
1988-89	0.0	0.0	0.0	0.0	2.7	3.1	1.1	11.5	0.7	T	0.0	0.0	19.1
1989-90	T	T	0.0	T	0.2	6.5	3.2	2.8	4.7	1.3	0.0	0.0	18.7
1990-91	0.0	0.0	0.0	0.0	0.0	8.1	14.1	T	3.6	T	0.0	0.0	25.8
1991-92	0.0	0.0	0.0	2.3	8.8	T	0.9	3.0	0.9	7.9	T	0.0	23.8
1992-93	0.0	0.0	0.0	T	3.8	2.9	16.8	6.4	2.2	T	0.0	T	32.1
1993-94	0.0	0.0	0.0	T	2.8	4.2	2.2	11.4	0.3	0.4	T	0.0	21.3
1994-95	0.0	0.0	0.0	T	0.2	6.3	7.5	2.1	5.6	0.0	0.0	0.0	21.7
1995-96	0.0	0.0	0.0	0.0	6.8	3.7	11.0	T	7.4	1.8	0.0	0.0	21.7
1996-97	0.0	0.0	0.0	13.2	0.2	6.8	5.8	8.3	T	11.1	0.0	0.0	21.7
1997-	0.0	0.0	0.0	13.2	0.2	6.8	5.8	8.3	T	11.1	0.0	0.0	21.7
POR= 55 YRS	T	T	T	0.5	2.7	5.2	6.4	0.2	5.6	1.3	0.1	T	22.0

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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. NORMALS ARE 30-YEAR AVERAGES (1961 - 1990). 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.</p>	<p>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.</p> <p>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.</p>
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1997  
LINCOLN,  
NEBRASKA (LNK)

Lincoln is near the center of Lancaster County in southeastern Nebraska. The surrounding area is gently rolling prairie. The western edge of the city is in the flat valley of Salt Creek, which receives a number of tributaries in or near the city and flows northeastward to the lower Platte. The terrain slopes upward to the west and is sufficient to cause instability in moist easterly winds in the Lincoln area. The upward slope to the west is a part of the general rise in elevation that begins at the Missouri River 45 miles east of Lincoln and culminates in the Continental Divide about 575 miles to the west.

The maximum temperature has exceeded 110 degrees. Hot winds, combining unusual wind force and high temperatures, occasionally cause serious injury to crops.

The majority of winter outbreaks of severely cold air from northwestern Canada move over the Lincoln area. The temperature has remained below zero degrees for more than 8 consecutive days. The center of some of the cold air masses move southward far enough to the east that their full effect is usually not felt here.

Normally the crop season, April through September, receives over three-fourths of the annual precipitation. Nighttime thunderstorms are predominant in the summer months, so that the needed moisture is received during much of the growing season at a time of least interference with outdoor work.

Annual snowfall is about 25 inches, although the annual snowfall has exceeded 59 inches. Much of the snow is light and melts rapidly. However, at times a considerable amount accumulates on the ground and has exceeded a depth of 21 inches.

In the summer the higher winds are associated with thunderstorms. Hail is a common occurrence during the late spring and early summer months in eastern Nebraska. Even though hail damage in the city itself is usually slight, agricultural damage (i.e., crops) occurs frequently in the outlying areas around Lincoln. Lincoln has been relatively free from tornadoes. There is much sunshine, averaging 64 percent of the possible duration. Moderate to low humidities are at comfortable levels except for short periods during the summer when warm, moist, tropical air occasionally reaches this area.

STATION LOCATION

LINCOLN, NEBRASKA  
MUNICIPAL AIRPORT

LOCATION	OCCUPIED FROM	OCCUPIED TO	AIRLINE DISTANCES AND DIRECTIONS FROM PREVIOUS LOCATION	NORTH	WEST	ELEVATION ABOVE											* Type	REMARKS
						SEA LEVEL	GROUND											
							WIND	EMERSON	REMEMOR	SUC	T	RAIN	W	8	H	AUTOM		
CITY - - NOTE: For period 1878 through September 8, 1955, refer to previous editions.																		
Veterans Building, 1206 O Street	9/09/55	12/17/59	1400 ft. SSE	40° 49'	96° 42'	1166	185	146										
Nebraska Hall 901 N. 17th Street	12/17/59	Present	1 mi. NE	40° 49'	96° 42'	1150	98	b6			76	d3	c3					b - 77 feet to 12/17/64. c - 75 feet to 12/17/64. d - Added 12/17/64, removed 8/12/72.
AIRPORT Old Terminal Building about 4 mi. NW of P.O.	10/20/31	10/14/37		40° 51'	96° 45'	1180	35	5						3				
Old Terminal Building	10/15/37	8/23/42		40° 51'	96° 45'	1180	35	5						3				CAA observations from 6/24/41.
Observations Hangar, Air Base	8/24/42	2/07/49	4400 ft. NW	40° 51'	96° 46'	1176	54	5						3				Location of anemometer varied slightly on same roof. Weather Bureau employee at airport beginning 1/24/44.
Terminal Building, Municipal Airport	2/08/49	1/11/53	500 ft. SSW	40° 51'	96° 46'	1176	43	5						3				
Temporary terminal in hangar, Lincoln AF Base	1/12/53	11/30/53	1000 ft. S	40° 51'	96° 46'	1174	43	5						3				
Municipal Air Line Terminal, Lincoln AF Base	12/01/53	6/30/54	6200 ft. SE	40° 51'	96° 45'	1170	27	5						3				
Hangar 4, AF Base	7/01/54	12/31/58	6200 ft. NW	40° 51'	96° 46'	1174	55	5	5					3				Air Weather Service station.
Weather observation site, Lincoln AF Base	1/01/59	12/15/64	4000 ft. SE	40° 51'	96° 45'	1167	13		5					4	a7			a - Air Force AN/TMO-11 Temp-Humidity set located 500 feet south of the observation site building. Air Weather Service operation to 6/16/64, then Weather Bureau.
Weather observation site, Lincoln AF Base	12/15/64	8/17/66	(A)	40° 51'	96° 45'	1180	20		s4					c5	b5			(A) - Instrumental changes, office not moved. b - Commissioned 850 feet NNE of the AN/TMO-11 site. c - 4 feet to 8/17/66. s - Standby equipment.
General Aviation Bldg. Municipal Airport	8/17/66	11/1/92	5000 ft. ENE	40° 51'	96° 45'	1180	d20	NA	s4	e15	NA	e7	5	d5	NA			d - Same site as prior to 8/17/66 until moved 1000 feet SW, 2/28/74. e - Commissioned 9/1/72. s - Standby equipment. f - Effective 2/28/74 g - Type change 01/27/88. ASOS commissioned 11/01/92.
	11/1/92	Present		40° 50'	96° 46'	1178							g5					

SUBSCRIPTION: Price and ordering information available through: National Climatic Data Center, Federal Building, Asheville, North Carolina 28801.  
INQUIRIES/COMMENTS CALL: (704) 271-4800

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