

2002

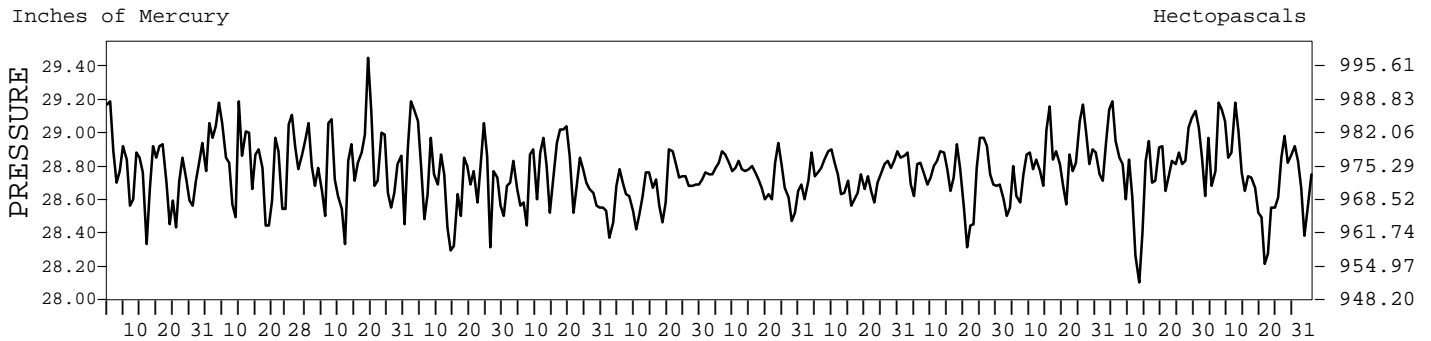
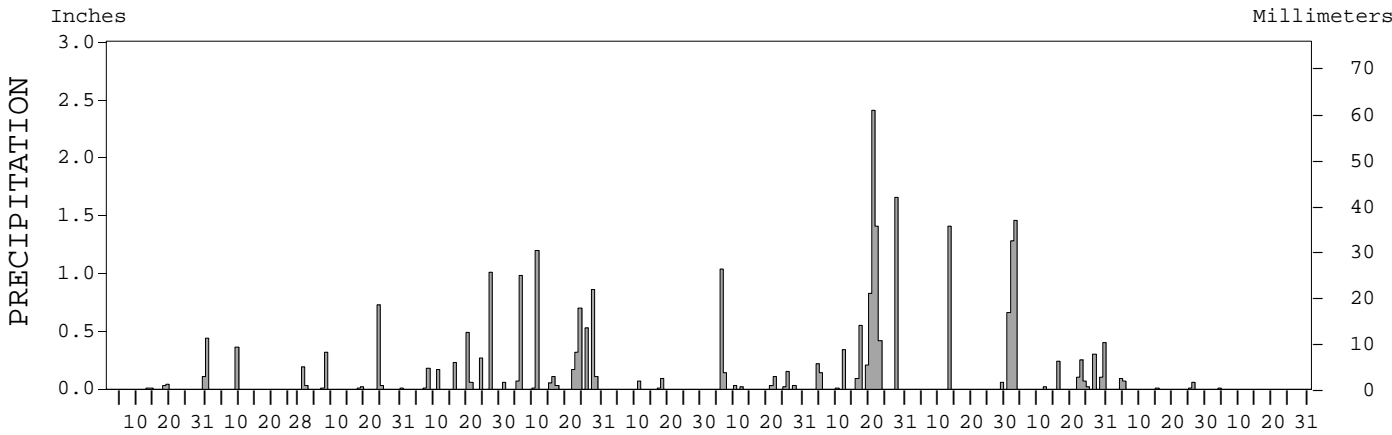
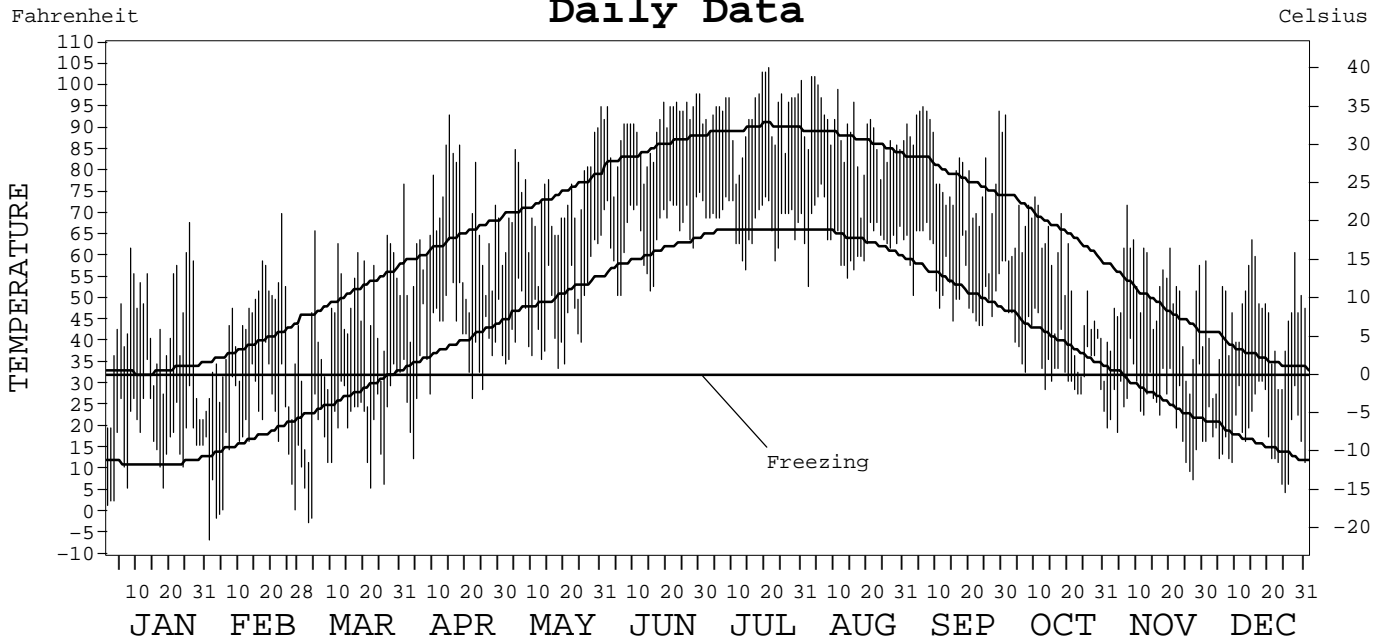
LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA



ISSN 0198-3113

LINCOLN, NEBRASKA (LNK)

Daily Data



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METEOROLOGICAL DATA FOR 2002

LINCOLN, NE (LNK)

LATITUDE: 40° 49' 52" N LONGITUDE: 96° 45' 52" W ELEVATION (FT): GRND: 1201 BARO: 1204 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	42.3	43.1	45.4	66.1	72.4	89.8	93.1	88.5	80.3	56.5	50.1	45.3	64.4	
	HIGHEST DAILY MAXIMUM	68	70	66	93	95	98	104	102	95	93	72	64	104	
	DATE OF OCCURRENCE	26	23	05	15	31	30+	21	04+	06	01	07	15	JUL 21	
	MEAN DAILY MINIMUM	17.4	18.8	20.2	39.5	46.5	65.6	68.0	64.1	54.8	36.9	25.0	18.7	39.6	
	LOWEST DAILY MINIMUM	2	-6	-2	13	34	51	57	53	44	24	8	5	-6	
	DATE OF OCCURRENCE	01	01	03	04	18	06+	14	02	24+	31	27	25	FEB 01	
	AVERAGE DRY BULB	29.9	31.0	32.8	52.8	59.5	77.7	80.6	76.3	67.6	46.7	37.6	32.0	52.0	
	MEAN WET BULB	25.8	27.8	28.7	46.5	52.9	67.5	70.4	67.7	59.8	43.0	33.8	27.5	45.9	
	MEAN DEW POINT	17.4	20.7	20.8	38.8	46.2	61.6	65.4	62.8	54.1	38.8	27.6	20.0	39.5	
	NUMBER OF DAYS WITH:														
	MAXIMUM ≥ 90°	0	0	0	1	2	19	22	13	7	1	0	0	0	65
	MAXIMUM ≤ 32°	8	6	7	0	0	0	0	0	0	2	2	4	29	
	MINIMUM ≤ 32°	30	24	28	7	0	0	0	0	0	10	24	31	154	
MINIMUM ≤ 0°	0	3	2	0	0	0	0	0	0	0	0	0	5		
H/C	HEATING DEGREE DAYS	1084	945	992	387	222	0	0	0	63	572	815	1016	6096	
	COOLING DEGREE DAYS	0	0	0	27	59	388	489	357	145	11	0	0	1476	
RH	MEAN (PERCENT)	63	66	64	62	64	60	63	67	65	77	69	66	66	
	HOUR 00 LST	69	73	71	69	74	69	71	76	75	84	76	74	73	
	HOUR 06 LST	75	77	77	79	83	81	86	86	84	87	82	81	82	
	HOUR 12 LST	51	56	56	52	51	46	49	54	50	65	57	53	53	
	HOUR 18 LST	54	58	51	46	50	45	44	51	50	70	61	57	53	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	0	2	1	1	0	0	0	1	1	0	0	3	9	
	THUNDERSTORMS	0	0	1	5	11	6	8	13	7	3	0	0	54	
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.)	28.76	28.84	28.82	28.72	28.73	28.65	28.73	28.76	28.72	28.84	28.80	28.75	28.76	
	MEAN SEA-LEVEL PRESS. (IN.)	30.06	30.15	30.12	29.99	29.98	29.88	29.96	29.99	29.97	30.12	30.09	30.05	30.03	
WINDS	RESULTANT SPEED (MPH)	3.9	3.7	4.9	1.8	2.0	3.7	2.9	3.8	1.5	2.1	2.7	1.6	0.3	
	RES. DIR. (TENS OF DEGS.)	31	29	36	18	13	15	16	16	13	36	30	28	25	
	MEAN SPEED (MPH)	9.9	11.2	12.2	13.2	11.4	12.6	9.8	10.0	9.3	9.6	7.7	7.6	10.4	
	PREVAIL. DIR. (TENS OF DEGS.)	36	35	36	19	36	19	19	16	17	01	32	35	19	
	MAXIMUM 2-MINUTE WIND:														
	SPEED (MPH)	33	40	39	44	43	33	33	47	37	33	37	36	47	
	DIR. (TENS OF DEGS.)	32	35	33	35	15	18	04	30	22	32	34	30	30	
	DATE OF OCCURRENCE	14	09	08	02	28	19+	25	17	02+	06+	30	20	AUG 17	
	MAXIMUM 5-SECOND WIND:														
	SPEED (MPH)	40	48	45	52	49	41	40	58	47	40	43	40	58	
DIR. (TENS OF DEGS.)	32	35	32	18	15	17	30	05	19	32	35	31	05		
	DATE OF OCCURRENCE	14	09	09+	18+	28	19	21	28+	01	06+	30	20	AUG 28+	
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	0.64	0.36	1.35	2.42	5.20	0.17	1.57	8.29	1.47	4.90	0.24	0.01	26.62	
	GREATEST 24-HOUR (IN.)	0.50	0.36	0.76	1.01	1.21	0.09	1.18	3.81	1.41	1.83	0.16	0.01	3.81	
	DATE OF OCCURRENCE	30-31	09	24-25	27	10-11	18	06-07	21-22	13	01-02	04-05	04	AUG 21-22	
	NUMBER OF DAYS WITH:														
	PRECIPITATION ≥ 0.01	6	1	9	8	14	3	9	12	2	12	5	1	82	
PRECIPITATION ≥ 0.10	2	1	3	6	9	0	4	10	1	9	0	0	45		
	PRECIPITATION ≥ 1.00	0	0	0	1	1	0	1	3	1	2	0	0	9	
SNOWFALL	SNOW, ICE PELLETS, HAIL:														
	TOTAL (IN.)	11.1	1.7	14.8	T	T	0.0	0.0	T	0.0	2.5	1.0	0.1	31.2	
	GREATEST 24-HOUR (IN.)	7.9	1.7	7.6	T	T	0.0	0.0	T	0.0	2.4	1.0	0.1	7.9	
	DATE OF OCCURRENCE	30-31	09	24-25	24+	28+	0	0	20	0	23	25-26	04	JAN 30-31	
	MAXIMUM SNOW DEPTH (IN.)	3	9	7	0	0	0	0	0	0	2	1	T	9	
	DATE OF OCCURRENCE	31	01	25							24	26	05	FEB 01	
	NUMBER OF DAYS WITH:														
SNOWFALL ≥ 1.0	3	1	2	0	0	0	0	0	0	1	0	0	7		

NORMALS, MEANS, AND EXTREMES

LINCOLN, NE (LNK)

LATITUDE: 40° 49' 52" N LONGITUDE: 96° 45' 52" W ELEVATION (FT): GRND: 1201 BARO: 1204 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	33.2	39.3	51.2	63.5	73.8	84.9	89.6	87.1	78.8	66.5	49.1	36.8	62.8
	MEAN DAILY MAXIMUM	44	33.7	39.5	49.5	63.4	73.4	84.2	89.7	87.1	78.7	67.1	49.4	37.4	62.8
	HIGHEST DAILY MAXIMUM	30	73	84	89	97	99	107	108	107	106	93	85	70	108
	YEAR OF OCCURRENCE		1990	1972	1986	1989	1989	1988	1995	1983	2000	2002	1999	1998	JUL 1995
	MEAN OF EXTREME MAXS.	55	56.0	62.4	76.0	85.8	89.6	97.9	101.1	99.3	93.8	84.9	71.5	59.3	81.5
	NORMAL DAILY MINIMUM	30	11.5	17.2	27.5	38.8	50.1	60.4	65.9	63.7	53.2	40.4	27.0	16.2	39.3
	MEAN DAILY MINIMUM	44	12.0	18.1	27.1	39.0	49.7	60.6	65.9	64.0	53.2	40.8	27.3	16.5	39.5
	LOWEST DAILY MINIMUM	30	-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.	55	-9.2	-6.1	4.9	22.1	34.7	45.6	53.9	49.9	35.5	22.8	10.0	-5.7	21.5
	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	63	23.0	28.2	38.1	51.6	62.3	72.6	77.6	75.6	65.9	54.4	39.0	28.1	51.4
	MEAN WET BULB	56	20.4	25.5	33.8	44.9	55.8	64.5	68.8	67.5	58.7	47.4	34.3	24.6	45.5
	MEAN DEW POINT	56	14.6	20.0	27.8	38.0	50.5	59.8	64.4	63.4	53.5	41.2	28.5	19.0	40.1
	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	1328	1043	799	425	154	16	1	5	100	377	806	1188	6242
	NORMAL COOLING DEG. DAYS	30	0	0	1	13	56	244	390	315	123	12	0	0	1154
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)	30	1.4	1.6	1.8	0.8	0.8	0.5	0.3	0.9	0.6	1.2	1.4	1.9	13.2
	THUNDERSTORMS	30	0.1	0.2	1.7	4.5	7.8	8.5	8.9	7.4	5.0	2.4	0.7	0.3	47.5
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)	28	28.83	28.81	28.70	28.68	28.66	28.67	28.71	28.74	28.76	28.77	28.77	28.83	28.74
	MEAN SEA-LEVEL PRES. (IN)	56	30.16	30.12	29.99	29.95	29.92	29.90	29.40	29.96	30.00	30.04	30.06	30.13	29.97
WINDS	MEAN SPEED (MPH)	38	9.1	9.4	11.0	11.5	10.2	9.3	8.5	8.3	8.9	8.8	9.2	8.9	9.4
	PREVAIL. DIR (TENS OF DEGS)	22	36	36	36	35	18	18	18	18	18	18	35	35	18
	MAXIMUM 2-MINUTE:														
	SPEED (MPH)	10	44	44	44	51	49	46	49	47	45	47	43	46	51
	DIR. (TENS OF DEGS)		33	19	01	24	30	19	31	30	20	30	33	34	24
	YEAR OF OCCURRENCE		1996	1998	2001	2001	2000	1993	1997	2002	1995	1996	1997	1997	APR 2001
	MAXIMUM 5-SECOND:														
SPEED (MPH)	10	53	54	52	63	83	56	71	58	56	57	53	56	83	
DIR. (TENS OF DEGS)		33	18	31	22	25	19	28	05	19	31	32	32	25	
YEAR OF OCCURRENCE		1996	1998	1996	2001	1996	2001	1993	2002	1995	1996	1997	1997	MAY 1996	
PRECIPITATION	NORMAL (IN)	30	0.67	0.66	2.21	2.90	4.23	3.51	3.54	3.35	2.92	1.94	1.58	0.86	28.37
	MAXIMUM MONTHLY (IN)	30	1.59	1.82	6.65	7.21	10.16	7.67	12.50	8.57	8.28	5.40	3.81	3.42	12.50
	YEAR OF OCCURRENCE		1975	2001	1973	1978	2001	1983	1993	1982	1989	1986	1981	1984	JUL 1993
	MINIMUM MONTHLY (IN)	30	T	0.06	0.13	0.26	0.91	0.17	0.37	0.07	0.29	0.01	0.01	0.01	T
	YEAR OF OCCURRENCE		1986	1996	1988	1989	1989	2002	1983	1976	1974	1975	1989	2002	JAN 1986
	MAXIMUM IN 24 HOURS (IN)	30	0.79	1.01	2.56	2.49	3.31	4.24	5.42	3.81	4.95	4.29	2.41	2.28	5.42
	YEAR OF OCCURRENCE		1989	1998	1987	1999	1984	1985	1990	2002	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	5.7	5.0	4.7	1.7	0.*	0.0	0.0	0.0	0.*	0.7	2.8	5.7	26.3
	MAXIMUM MONTHLY (IN)	30	16.8	14.2	17.9	11.1	T	T	T	T	0.8	13.2	8.8	19.8	19.8
	YEAR OF OCCURRENCE		1993	2001	1998	1997	1992	1993	1989	1989	1985	1997	1991	1973	DEC 1973
	MAXIMUM IN 24 HOURS (IN)	31	8.0	10.0	12.7	10.1	T	T	T	T	0.8	13.2	7.7	10.4	13.2
	YEAR OF OCCURRENCE		1975	2001	1998	1997	1992	1993	1989	1989	1985	1997	1972	1973	OCT 1997
	MAXIMUM SNOW DEPTH (IN)	57	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	2.0	1.7	1.5	0.5	0.0	0.0	0.0	0.0	0.0	0.1	1.0	1.8	8.6	

PRECIPITATION (inches) 2002 LINCOLN, NE (LNK)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
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	3.44	2.55	0.73	25.09
1998	1.06	0.92	2.44	2.19	5.49	5.17	3.64	4.07	1.95	3.19	3.20	0.19	33.51
1999	0.35	1.28	1.52	4.54	5.63	5.68	2.11	3.41	1.22	0.03	0.91	0.57	27.25
2000	0.06	1.59	0.88	1.51	2.16	5.30	4.26	2.56	1.13	2.03	1.08	0.62	23.18
2001	0.89	1.82	1.32	2.68	10.16	3.55	1.49	1.26	5.83	1.25	1.72	0.34	32.31
2002	0.64	0.36	1.35	2.42	5.20	0.17	1.57	8.29	1.47	4.90	0.24	0.01	26.62
POR= 63 YRS	0.71	0.94	0.63	1.54	3.69	2.60	1.76	1.08	2.31	1.25	0.50	0.10	17.11

WBAN : 14939

AVERAGE TEMPERATURE (°F) 2002 LINCOLN, NE (LNK)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
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
1998	25.6	36.4	32.3	50.9	66.2	70.4	77.9	76.3	71.3	55.9	43.7	30.9	53.2
1999	23.6	37.3	39.1	50.8	61.6	70.2	80.6	73.9	64.0	53.0	46.7	31.7	52.7
2000	28.2	36.0	44.2	51.4	66.5	71.7	76.2	79.0	67.8	56.5	32.3	15.8	52.1
2001	26.6	21.3	36.1	54.8	63.9	71.4	79.8	76.5	65.4	53.2	48.4	32.5	52.5
2002	29.9	31.0	32.8	52.8	59.5	77.7	80.6	76.3	67.6	46.7	37.6	32.0	52.0
POR= 63 YRS	22.8	28.3	38.2	51.5	62.3	72.6	77.8	75.6	65.9	54.4	38.9	28.2	51.4

HEATING DEGREE DAYS (base 65°F) 2002 LINCOLN, NE (LNK)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
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
1997-98	3	9	49	405	871	1095	1215	794	1005	427	65	55	5993
1998-99	0	0	24	288	635	1050	1276	767	796	418	125	26	5405
1999-00	0	0	111	377	544	1023	1133	833	637	401	70	12	5141
2000-01	0	0	95	271	974	1521	1184	1219	891	317	113	30	6615
2001-02	0	0	85	369	492	1000	1084	945	992	387	222	0	5576
2002-	0	0	63	572	815	1016							

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COOLING DEGREE DAYS (base 65°F) 2002 LINCOLN, NE (LNK)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
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
1998	0	0	0	8	108	225	409	354	221	13	0	0	1338
1999	0	0	0	0	28	188	491	285	85	14	0	0	1091
2000	0	0	0	2	122	222	353	441	188	15	0	0	1343
2001	0	0	0	19	87	227	469	363	104	10	0	0	1279
2002	0	0	0	27	59	388	489	357	145	11	0	0	1476

SNOWFALL (inches) 2002 LINCOLN, NE (LNK)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
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	0.0	0.0	0.0	5.8	8.3	T	11.1	0.0	0.0	21.7
1997-98	0.0	0.0	0.0	13.2	0.2	6.8	5.5	1.0	17.9	T	0.0	0.0	44.6
1998-99	0.0	0.0	0.0	0.0	T	3.6	4.6	9.4	6.8	T	0.0	T	24.4
1999-00	0.0	0.0	0.0	T	0.0	3.8	0.5	7.6	T	T	0.0	T	11.9
2000-01	T	0.0	0.0	0.0	2.6	15.4	5.5	14.2	0.2	0.0	0.0	0.0	37.9
2001-02	0.0	0.0	T	0.0	T	1.9	11.1	1.7	14.8	T	T	0.0	29.5
2002-	0.0	T	0.0	2.5	1.0	0.1							
POR= 60 YRS	T	T	T	0.5	2.7	5.2	6.4	0.7	5.8	1.3	0.1	T	22.7

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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 EIGHTS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER.</p>
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2002
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

LOCATION	Occupied From	Occupied To	Airline Distances and Directions from previous Location	LATITUDE NORTH	LONGITUDE WEST	ELEVATION ABOVE										AUTOMATIC OBSERVING EQUIPMENT *	* TYPE M = AMOS T = AUTOB S = ASOS W = AWOS REMARKS
						SEA LEVEL		GROUND									
						GROUND	SITE	WIND INSTRUMENT	EXTREME THERMOMETER	PSYCHROMETER	SUNSHINE SWITCH	TRAINING GAUGE	WEIGHING RAIN GAGE	8 INCH RAIN GAGE	HYGROMETER		
*NOTE:																	
<u>AIRPORT</u>																	
General Aviation Bldg. Municipal Airport	8/17/66	11/1/92	5000 ft. ENE	40°51'	96°45'	1180 f1178	d20		s4	e15		e7	5	d5 g5	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.		
Municipal Airport	11/01/92	Present	NA	40°50'	96°46'	h1201								S	ASOS Commissioned 11/01/92. h. Ground elevation.		

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* NOTES: For earlier station history see previous editions.