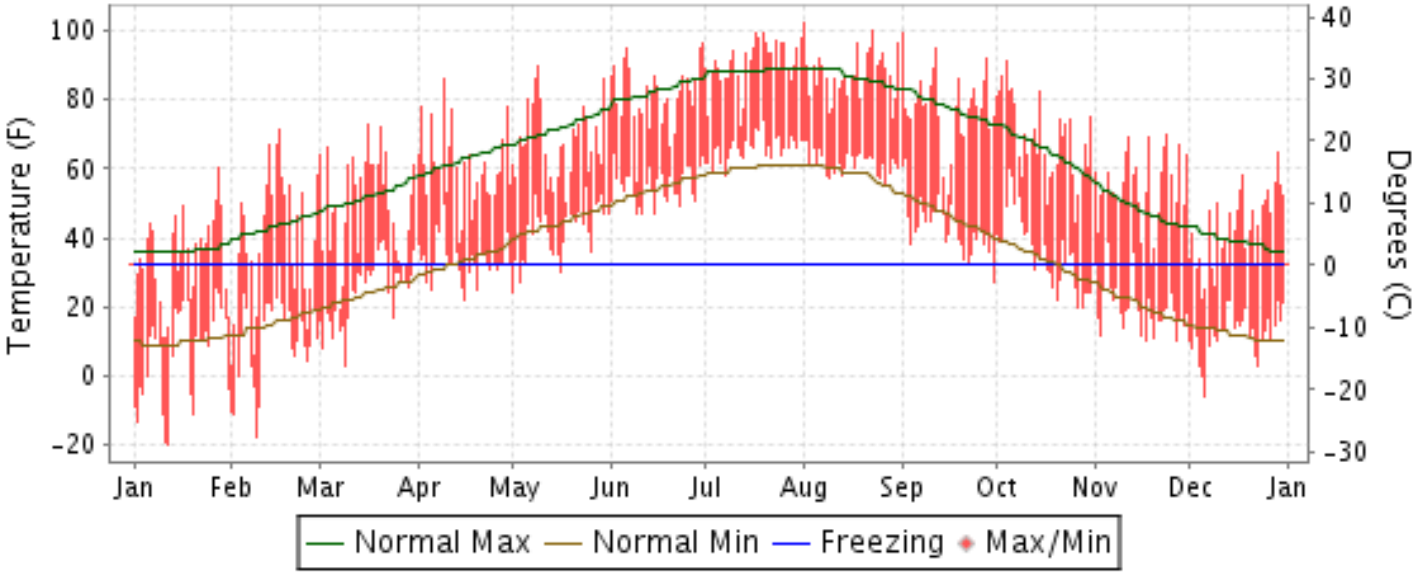
2011
LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA

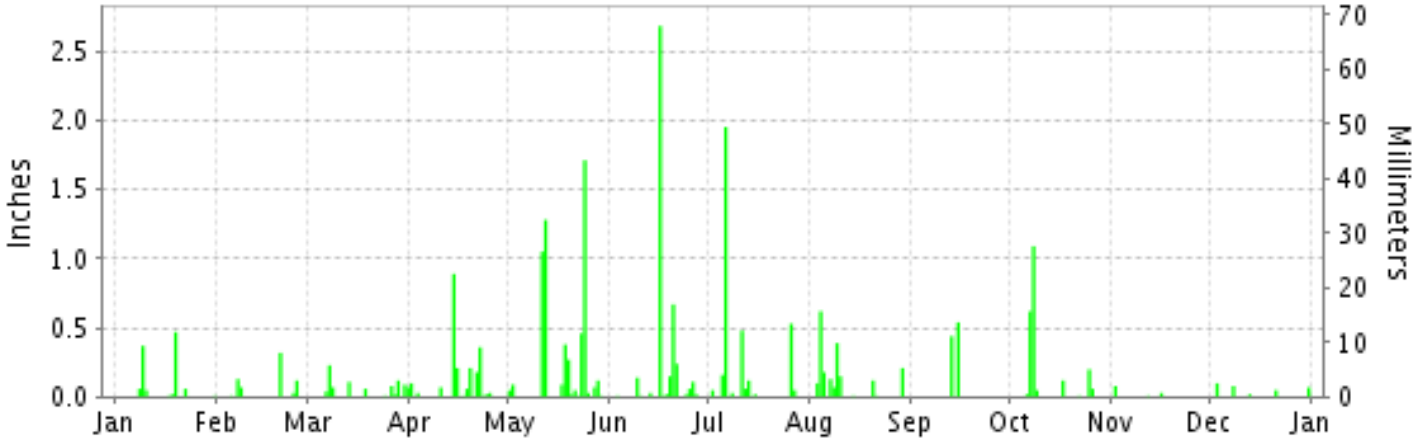
ISSN 0198-3156

NORTH PLATTE, NEBRASKA (KLBF)

Daily Max/Min Temperature



Daily Precipitation



Daily Station Pressure

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METEOROLOGICAL DATA FOR 2011
NORTH PLATTE (KLBF)

LATITUDE: 41° 7'N **LONGITUDE:** -100° 40'W **ELEVATION (FT):** GRND: 2778 BARO: 2781 **TIME ZONE:** CENTRAL (UTC -6) **WBAN:** 24023

	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	MEAN DAILY MAXIMUM	33.9	39.8	49.9	60.3	68.1	81.3	90.4	87.5	76.9	68.3	54.4	42.9	62.8
	HIGHEST DAILY MAXIMUM	60	71	73	86	90	96	99	102	99	91	70	65	102
	DATE OF OCCURRENCE	28	16	16	09	09	30	19+	01	01	04	24	29	AUG 01
	MEAN DAILY MINIMUM	6.9	10.3	24.6	33.4	42.0	55.2	66.0	61.9	43.3	35.9	19.8	12.4	34.3
	LOWEST DAILY MINIMUM	-20	-18	3	22	24	47	58	56	27	20	10	-6	-20
	DATE OF OCCURRENCE	12	09	09	16	01	15+	07	27	30	28+	27+	06	JAN 12
	AVERAGE DRY BULB	20.4	25.1	37.3	46.9	55.1	68.3	78.2	74.7	60.1	52.1	37.1	27.7	48.6
	MEAN WET BULB	18.7	21.3	32.8	41.1	49.2	60.9	70.4	66.9	52.2	44.3	30.6	23.3	42.6
	MEAN DEW POINT	15.2	14.5	26.9	34.1	43.2	56.2	66.9	63.8	46.1	37.3	22.1	18.4	37.1
	NUMBER OF DAYS WITH:													
	MAXIMUM >= 90°	0	0	0	0	1	5	18	13	3	1	0	0	41
	MAXIMUM <= 32°	13	9	4	0	0	0	0	0	0	0	1	7	34
	MINIMUM <= 32°	31	28	26	12	4	0	0	0	1	13	28	31	174
	MINIMUM <= 0°	11	6	0	0	0	0	0	0	0	0	0	2	19
H/C	HEATING DEGREE DAYS	1376	1113	854	541	312	25	0	0	175	410	831	1150	6787
	COOLING DEGREE DAYS	0	0	0	3	10	130	416	308	37	17	0	0	921
RH	MEAN (PERCENT)	80	69	72	67	68	69	72	75	67	65	61	75	70
	HOUR 00 LST	87	79	82	78	81	80	82	87	82	79	70	84	81
	HOUR 06 LST	86	82	86	85	85	88	90	94	89	84	80	86	86
	HOUR 12 LST	72	54	57	54	55	54	59	59	46	44	43	63	55
	HOUR 18 LST	78	56	57	49	50	53	56	58	48	51	50	68	56
S	PERCENT POSSIBLE SUNSHINE													
W/O	NUMBER OF DAYS WITH:													
	HEAVY FOG(VISBY <= 1/4 MI)	3	0	1	2	2	1	3	4	2	1	0	2	21
	THUNDERSTORMS	0	1	0	1	5	5	7	7	0	3	0	0	29
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.)	27.12	27.10	27.09	26.94	26.97	26.98	27.07	27.07	27.19	27.11	27.07	27.19	27.08
	MEAN SEA-LEVEL PRESS. (IN.)	30.13	30.10	30.04	29.83	29.84	29.82	29.87	29.89	30.07	30.00	30.02	30.19	29.98
WINDS	RESULTANT SPEED (MPH)	4.0	3.6	1.3	3.7	2.5	1.8	4.0	3.9	1.2	1.0	2.9	3.5	1.0
	RES. DIR. (TENS OF DEGS.)	32	32	08	34	01	08	13	12	08	18	31	32	37
	MEAN SPEED (MPH)	8.3	9.7	9.4	11.0	10.8	9.3	7.4	6.8	6.3	8.1	8.5	7.2	8.6
	PREVAIL.DIR.(TENS OF DEGS.)	30	32	11	30	11	11	11	11	14	11	31	31	30
	MAXIMUM 2-MINUTE WIND													
	SPEED (MPH)	32	37	37	43	55	44	37	46	31	41	40	41	55
	DIR. (TENS OF DEGS.)	33	30	30	12	30	34	25	01	01	16	32	33	30
	DATE OF OCCURRENCE	07	17	11	22	30	20	26	08	03	06	26	29	MAY 30
	MAXIMUM 3-SECOND WIND:													
	SPEED (MPH)	45	46	48	56	70	61	49	62	40	59	55	52	70
	DIR. (TENS OF DEGS.)	32	30	32	13	30	34	30	01	36	15	33	33	30
	DATE OF OCCURRENCE	07	17	23	22	30	20	26	08	03	06	26	29	MAY 30
PRECIPITATION	WATER EQUIVALENT:													
	TOTAL (IN.)	1.05	0.68	0.90	2.18	5.69	4.17	3.45	1.99	0.98	2.17	0.12	0.32	23.70
	GREATEST 24-HOUR (IN.)	0.47	0.32	0.27	1.10	2.21	2.69	1.99	0.80	0.54	1.71	0.08	0.10	2.69
	DATE OF OCCURRENCE	19	20	06-07	14-15	11-12	16-17	05-06	04-05	15	07-08	02	03	JUN 16-17
	NUMBER OF DAYS WITH:													
	PRECIPITATION 0.01	8	6	11	13	16	14	10	11	2	8	3	5	107
	PRECIPITATION 0.10	2	3	3	6	7	6	5	8	2	4	0	1	47
	PRECIPITATION 1.00	0	0	0	0	3	1	1	0	0	1	0	0	6
SNOWFALL	SNOW,ICE PELLETS,HAIL													
	TOTAL (IN.)	14.7	7.2	7.6	5.0	T	0.0	0.0	0.0	0.0	0.0	1.5	3.0	39.0
	GREATEST 24-HOUR (IN.)	6.3	3.7	2.5	3.9	T	0.0	0.0	0.0	0.0	0.0	1.0	1.3	6.3
	DATE OF OCCURRENCE	19	07	07	15	02						16	08	JAN 19
	MAXIMUM SNOW DEPTH (IN.)	7	5	4	5	0	0	0	0	0	0	0	1	7
	DATE OF OCCURRENCE	13+	09+	09	15								09+	JAN 13+
	NUMBER OF DAYS WITH:													
	SNOWFALL >= 1.0	2	3	2	2	0	0	0	0	0	0	1	2	12

NORMALS, MEANS, AND EXTREMES
NORTH PLATTE (KLBF)

LATITUDE: 41° 7'N **LONGITUDE:** -100° 40'W **ELEVATION (FT):** GRND: 2778 BARO: 2781 **TIME ZONE:** CENTRAL (UTC -6) **WBAN:** 24023

	ELEMENT	POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	36.5	43.3	52.1	62.7	72.0	82.6	88.4	86.8	78.0	65.6	48.5	39.2	63.0
	MEAN DAILY MAXIMUM	64	36.3	41.6	49.9	61.9	71.6	81.4	87.9	86.2	77.5	65.7	50.0	39.3	62.4
	HIGHEST DAILY MAXIMUM	60	73	79	86	98	99	107	112	108	102	94	83	75	112
	YEAR OF OCCURRENCE		1990	1962	2004	1992	2006	1952	1954	2008	1990	1990	2006	1980	JUL 1954
	MEAN OF EXTREME MAXS.	64	59.5	65.3	75.8	84.8	89.7	96.0	100.2	98.7	94.3	86.2	73.3	62.5	82.2
	NORMAL DAILY MINIMUM	30	9.9	15.4	23.8	33.4	44.5	54.2	60.2	58.4	46.7	33.7	20.7	12.1	34.4
	MEAN DAILY MINIMUM	64	9.8	14.8	22.7	33.6	44.8	54.8	60.8	58.6	47.0	34.0	21.2	12.8	34.6
	LOWEST DAILY MINIMUM	60	-23	-22	-22	7	18	29	39	35	17	10	-13	-34	-34
	YEAR OF OCCURRENCE		2004	1981	2002	1975	2005	1969	1997	1976	1984	1993	1976	1989	DEC 1989
	MEAN OF EXTREME MINS.	64	-10.7	-5.3	2.8	17.3	29.0	41.2	49.0	46.1	29.9	17.6	4.1	-6.8	17.9
	NORMAL DRY BULB	30	23.2	29.4	38.0	48.1	58.3	68.4	74.3	72.6	62.4	49.7	34.6	25.7	48.7
	MEAN DRY BULB	64	23.0	28.3	36.3	47.8	58.2	68.3	74.4	72.4	62.3	49.9	35.6	26.1	48.6
	MEAN WET BULB	28	20.4	23.7	31.2	39.8	50.3	59.5	64.7	63.2	53.2	41.3	29.0	21.1	41.5
	MEAN DEW POINT	28	17.1	19.8	27.0	35.2	47.1	56.3	61.5	60.4	49.6	37.3	25.7	17.6	37.9
	NORMAL NO. DAYS WITH:														
	MAXIMUM >= 90	30	0.0	0.0	0.0	0.3	0.6	5.8	13.3	11.1	4.5	0.3	0.0	0.0	35.9
	MAXIMUM <= 32	30	11.4	7.8	3.3	0.4	0.0	0.0	0.0	0.0	0.0	0.2	4.1	9.6	36.8
	MINIMUM <= 32	30	31.0	27.7	26.3	13.5	2.3	*	0.0	0.0	2.3	13.8	27.6	30.8	175.3
	MINIMUM <= 0	30	7.1	3.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	4.2	16.5
H/C	NORMAL HEATING DEG. DAYS	30	1312	1013	853	519	240	46	6	14	158	481	902	1222	6766
	NORMAL COOLING DEG. DAYS	30	0	0	0	4	22	139	279	234	70	2	0	0	750
RH	NORMAL (PERCENT)	30	71	69	66	62	66	65	64	67	64	63	68	71	66
	HOUR 00 LST	30	77	78	75	72	76	76	75	78	74	74	77	78	76
	HOUR 06 LST	30	80	81	82	81	85	85	84	86	84	82	82	80	83
	HOUR 12 LST	30	62	58	53	48	52	52	51	53	48	47	55	60	53
	HOUR 18 LST	30	64	56	49	44	50	48	47	49	46	48	59	63	52
S	PERCENT POSSIBLE SUNSHINE	52	63	63	63	64	65	71	77	75	72	70	61	61	67
W/O	MEAN NO. DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	48	1.6	2.4	2.0	1.0	1.1	1.0	1.2	2.3	2.2	1.9	1.9	1.8	20.4
	THUNDERSTORMS	64	0.0	0.2	0.8	2.6	6.6	9.9	10.1	8.3	3.8	1.5	0.2	0.0	44.0
CLOUDINESS	MEAN:														
	SUNRISE-SUNSET (OKTAS)	44	5.0	5.0	5.2	5.1	5.1	4.2	3.7	3.8	3.7	3.9	4.7	4.5	4.5
	MIDNIGHT-MIDNIGHT (OKTAS)	32	4.4	4.3	4.7	4.6	4.7	4.2	3.8	3.7	3.5	3.6	4.3	4.1	4.2
	MEAN NO. DAYS WITH:														
	CLEAR	44	8.4	7.2	7.5	7.0	6.8	10.1	12.1	11.7	12.8	12.5	8.8	9.8	114.7
	PARTLY CLOUDY	44	8.7	7.5	7.7	9.0	10.0	10.7	12.0	11.4	8.4	8.4	8.0	7.8	109.6
	CLOUDY	44	13.9	13.6	15.8	14.0	14.3	9.2	6.9	8.0	8.8	10.1	13.2	13.4	141.2
PR	MEAN STATION PRESSURE(IN)	28	27.13	27.12	27.07	27.03	27.04	27.05	27.11	27.13	27.13	27.12	27.11	27.13	27.10
	MEAN SEA-LEVEL PRES. (IN)	28	30.13	30.10	30.01	29.93	29.90	29.88	29.93	29.95	29.99	30.03	30.07	30.12	30.00
WINDS	MEAN SPEED (MPH)	28	8.6	9.2	10.6	11.7	10.7	9.6	8.7	8.3	9.0	9.1	8.9	8.4	9.4
	PREVAIL.DIR(TENS OF DEGS)	40	32	32	32	12	17	12	12	12	12	31	31	32	32
	MAXIMUM 2-MINUTE:														
	SPEED (MPH)	15	45	52	47	49	64	53	55	56	46	46	48	45	64
	DIR. (TENS OF DEGS)		35	36	31	28	28	27	26	31	29	30	33	36	28
	YEAR OF OCCURRENCE		2009	1999	2000	2002	2004	2009	2003	1999	2004	2010	2005	2000	MAY 2004
	MAXIMUM 3-SECOND														
	SPEED (MPH)	15	58	62	56	60	77	69	70	75	59	61	62	55	77
	DIR. (TENS OF DEGS)		35	36	31	17	28	05	24	30	24	31	33	31	28
	YEAR OF OCCURRENCE		2009	1999	2000	2010	2004	2006	1999	1999	2007	1997	2005	2005	MAY 2004
PRECIPITATION	NORMAL (IN)	30	0.39	0.51	1.24	1.97	3.34	3.17	3.17	2.15	1.32	1.24	0.76	0.40	19.66
	MAXIMUM MONTHLY (IN)	60	1.12	1.98	2.98	5.94	8.01	6.81	7.05	6.30	6.03	4.78	2.89	2.56	8.01
	YEAR OF OCCURRENCE		1960	1978	1992	2001	1962	1965	1979	1992	1963	2008	1979	2006	MAY 1962
	MINIMUM MONTHLY (IN)	59	T	T	0.05	0.10	0.77	0.33	0.42	0.06	T	0.05	0.02	T	0.02
	YEAR OF OCCURRENCE		1964	1996	1994	1989	1966	1952	1955	1967	1953	1988	2007	1988	NOV 2007
	MAXIMUM IN 24 HOURS (IN)	59	0.75	3.52	2.26	2.42	3.62	3.80	3.15	2.93	2.53	2.30	1.48	1.44	3.80
	YEAR OF OCCURRENCE		1992	2008	1959	1971	2007	1965	1964	1957	1963	2008	1979	2006	JUN 1965
	NORMAL NO. DAYS WITH:														
	PRECIPITATION >= 0.01	30	5.0	5.4	7.2	8.5	11.4	9.7	10.6	8.5	6.8	5.5	5.0	4.0	87.6
	PRECIPITATION >= 1.00	30	0.0	*	0.2	0.3	0.9	0.6	0.9	0.4	0.3	0.3	*	0.0	3.9
SNOWFALL	NORMAL (IN)	30	5.0	4.7	4.8	2.8	0.*	0.0	0.0	0.0	0.2	1.0	4.9	4.4	27.8
	MAXIMUM MONTHLY (IN)	60	17.1	20.6	21.9	14.5	3.6	T	T	T	3.1	30.3	17.5	16.3	30.3
	YEAR OF OCCURRENCE		1976	1978	1980	1984	1967	2010	2010	2008	1985	2009	1979	2006	OCT 2009
	MAXIMUM IN 24 HOURS (IN)	60	11.9	9.7	15.1	8.5	2.3	T	T	T	3.1	11.8	9.9	8.6	15.1
	YEAR OF OCCURRENCE'		1976	1955	1980	1984	1967	2010	2010	1992	1985	2009	2004	1968	MAR 1980
	MAXIMUM SNOW DEPTH (IN)	63	18	13	18	9	1	0	0	0	3	12	13	10	18
	YEAR OF OCCURRENCE		1949	1993	1980	1949	1967				1985	2009	1979	2006	MAR 1980
	NORMAL NO. DAYS WITH: SNOWFALL >= 1.0	30	1.5	1.6	1.5	0.8	0.0	0.0	0.0	0.0	0.1	0.4	1.4	1.1	8.4

PRECIPITATION (inches) 2011 NORTH PLATTE (KLBF)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1982	0.20	0.15	0.99	1.42	6.32	2.35	1.78	1.18	1.26	2.44	0.73	1.08	19.90
1983	0.33	0.25	1.54	2.12	3.20	3.32	3.74	1.98	0.14	0.56	1.56	0.46	19.20
1984	0.36	0.87	1.20	5.01	2.82	4.37	0.94	1.38	0.39	2.41	0.69	0.72	21.16
1985	0.55	0.14	0.44	1.84	4.01	0.87	3.98	1.16	3.23	1.24	1.09	0.79	19.34
1986	0.02	1.10	0.70	3.77	2.80	1.70	2.57	1.22	1.02	1.58	0.19	0.27	16.94
1987	0.16	1.55	1.65	1.01	3.19	3.95	2.81	1.19	1.16	1.67	1.26	0.81	20.41
1988	0.72	0.03	0.37	2.02	3.59	3.12	3.03	3.93	1.59	0.05	0.40	T	18.85
1989	0.55	0.73	0.38	0.10	3.02	3.51	1.86	2.37	1.11	0.08	0.02	0.28	14.01
1990	0.27	0.18	1.75	1.52	3.65	1.90	1.99	1.79	0.31	1.48	0.87	0.09	15.80
1991	0.35	0.21	1.00	3.00	5.39	2.78	1.81	0.53	1.75	2.14	0.92	0.67	20.55
1992	0.89	1.42	2.98	0.18	3.18	2.61	3.75	6.30	0.25	0.92	0.20	0.33	23.01
1993	0.74	1.37	0.61	1.80	2.47	6.12	5.47	3.78	0.71	1.59	1.32	0.22	26.20
1994	0.53	0.29	0.05	1.47	1.16	4.92	4.52	1.24	0.60	2.63	0.78	0.66	18.85
1995	0.12	0.09	1.21	3.09	4.51	2.59	2.01	0.73	1.98	0.87	0.08	0.02	17.30
1996	0.50	T	0.33	0.84	4.12	3.87	5.57	3.25	5.55	.33	.40	.03	24.79
1997	T	0.73	0.07	1.00	1.87	2.58	3.19	3.40	1.76	2.77	0.04	0.20	17.61
1998	0.27	0.40	1.30	0.67	2.93	4.84	5.81	1.85	1.13	1.92	1.31	0.01	22.44
1999	0.34	0.26	0.64	2.83	1.92	5.32	0.93	5.49	1.20	0.22	0.14	0.05	19.34
2000	0.31	0.46	1.22	1.65	1.21	1.53	2.86	2.05	1.22	3.24	0.53	0.04	16.32
2001	0.48	0.40	0.60	5.94	2.19	1.71	2.52	5.26	2.76	0.80	0.96	0.07	23.69
2002	0.08	0.01	0.68	1.17	1.56	2.20	0.45	1.29	1.14	2.38	0.10	T	11.06
2003	0.35	0.49	1.28	3.84	2.02	5.45	1.90	0.59	1.08	0.49	0.73	0.03	18.25
2004	0.26	0.77	0.16	1.90	1.77	5.06	4.97	1.25	1.98	0.96	1.30	0.06	20.44
2005	0.41	0.17	1.76	2.33	3.04	5.07	1.26	2.78	0.17	0.78	0.46	0.22	18.45
2006	0.21	0.13	0.73	1.40	0.83	5.03	3.27	1.95	2.73	0.86	0.07	2.56	19.77
2007	0.61	0.81	1.56	4.12	6.49	2.52	2.71	0.76	1.94	1.17	0.02	0.84	23.55
2008	0.03	0.10	0.90	3.67	7.45	2.79	2.23	2.75	1.34	4.78	0.34	0.24	26.62
2009	0.33	0.96	0.32	2.84	2.80	3.06	5.01	2.34	1.17	4.29	0.08	0.67	23.87
2010	0.15	0.84	2.26	2.97	2.28	4.99	3.98	2.35	1.26	1.05	0.62	0.44	23.19
2011	1.05	0.68	0.90	2.18	5.69	4.17	3.45	1.99	0.98	2.17	0.12	0.32	23.70
POR= 64 YRS	0.40	0.52	1.12	2.01	3.37	3.53	3.07	2.17	1.53	1.22	0.60	0.42	19.96

WBAN : 24023

AVERAGE TEMPERATURE (°F) 2011 NORTH PLATTE (KLBF)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1982	17.1	28.1	36.3	44.8	57.3	63.4	75.0	73.1	61.7	49.2	33.3	28.1	47.3
1983	27.1	35.1	37.2	42.3	54.0	65.2	75.3	78.0	64.8	51.3	36.7	7.5	47.9
1984	20.4	33.2	34.1	43.3	58.1	68.0	73.7	75.5	58.4	48.0	37.2	22.5	47.7
1985	18.3	23.1	40.5	52.2	60.8	65.4	75.3	70.1	59.8	48.6	24.6	19.2	46.5
1986	31.6	27.0	44.3	48.9	58.0	71.4	75.6	71.3	63.0	50.4	35.5	30.2	50.6
1987	29.5	35.8	36.7	51.3	63.1	70.2	75.7	70.3	61.3	47.0	38.2	27.7	50.6
1988	16.4	26.5	37.8	48.5	60.7	74.6	74.5	73.4	62.0	48.7	38.0	30.3	49.3
1989	30.2	17.8	35.7	51.1	59.0	65.8	74.3	71.7	61.0	50.7	37.6	20.6	48.0
1990	30.6	30.9	40.0	48.5	56.7	71.1	73.7	74.0	67.6	50.2	38.1	21.9	50.3
1991	23.1	37.5	40.5	49.3	61.8	71.0	74.9	73.7	63.6	48.4	32.2	33.4	50.8
1992	32.1	37.3	41.8	50.6	58.7	65.7	68.5	66.5	63.0	49.9	32.4	22.5	49.1
1993	18.5	18.0	37.0	45.5	58.7	65.3	71.5	70.3	58.3	48.5	32.7	30.4	46.2
1994	24.0	23.7	41.5	47.8	62.6	71.7	70.5	72.6	65.4	52.0	37.4	29.1	49.9
1995	26.8	34.0	37.8	43.8	52.6	66.7	73.8	79.3	62.6	48.2	38.6	28.8	49.4
1996	20.9	30.1	31.3	47.3	56.6	68.5	71.2	70.0	59.1	48.6	30.7	25.0	46.6
1997	23.3	29.1	39.5	42.3	55.1	69.5	73.9	70.9	64.2	51.1	33.9	28.2	48.4
1998	26.0	34.7	32.6	46.3	59.6	64.1	75.3	72.4	68.5	49.7	39.3	27.7	49.7
1999	27.6	36.7	38.5	45.3	57.1	66.9	75.6	70.7	58.2	50.0	41.8	30.7	49.9
2000	27.3	33.9	40.9	48.0	60.7	67.9	76.5	77.5	63.6	51.1	24.6	21.6	49.5
2001	27.7	23.4	36.9	49.1	57.0	67.5	77.5	71.1	61.7	48.4	38.9	27.4	48.9
2002	26.9	30.5	29.2	48.0	56.0	74.8	79.1	73.5	63.4	42.8	37.0	30.2	49.3
2003	27.9	25.8	40.4	49.5	57.9	66.1	77.4	75.6	60.9	53.8	34.8	29.9	50.0
2004	23.9	27.1	42.1	48.8	61.7	64.9	71.9	67.8	66.2	51.9	37.7	30.5	49.5
2005	23.8	34.2	38.7	47.7	57.1	70.9	77.2	72.8	67.9	50.9	39.5	25.5	50.5
2006	37.0	28.1	36.7	52.8	61.3	72.4	77.8	72.3	57.7	46.4	35.6	27.9	50.5
2007	17.2	23.1	46.2	46.1	60.4	68.5	75.8	76.1	65.7	52.4	38.4	21.1	49.3
2008	23.2	29.5	37.0	45.0	55.5	65.9	75.9	71.5	62.2	49.1	38.0	21.8	47.9
2009	27.4	31.1	37.3	46.7	58.5	66.5	70.8	69.0	60.7	40.9	40.0	17.7	47.2
2010	25.2	24.8	40.0	49.9	54.9	69.5	74.9	74.2	62.6	52.1	34.8	27.0	49.2
2011	20.4	25.1	37.3	46.9	55.1	68.3	78.2	74.7	60.1	52.1	37.1	27.7	48.6
POR= 64 YRS	23.0	28.3	36.3	47.8	58.2	68.3	74.4	72.4	62.3	49.9	35.6	26.1	48.5

HEATING DEGREE DAYS (base 65°F) 2011 NORTH PLATTE (KLBF)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1982-83	0	18	160	484	946	1138	1167	833	854	672	343	90	6705
1983-84	2	0	128	419	840	1780	1379	915	953	647	236	33	7332
1984-85	0	0	247	519	829	1312	1440	1168	752	393	156	83	6899
1985-86	0	23	252	502	1205	1416	1029	1060	634	479	219	2	6821
1986-87	0	14	98	446	878	1074	1093	810	868	420	102	15	5818
1987-88	13	36	139	551	796	1152	1501	1109	839	490	170	3	6799
1988-89	0	13	128	498	803	1067	1072	1316	902	430	211	67	6507
1989-90	2	7	180	437	815	1374	1061	948	771	502	259	15	6371
1990-91	15	1	84	457	797	1331	1290	762	754	466	149	5	6111
1991-92	3	1	148	508	977	971	1010	797	714	436	219	45	5829
1992-93	18	60	113	466	970	1310	1436	1311	862	578	204	73	7401
1993-94	2	24	218	513	965	1066	1263	1151	724	517	131	5	6579
1994-95	3	8	90	395	820	1106	1180	863	840	631	377	67	6380
1995-96	17	2	167	517	786	1116	1359	1004	1037	527	283	40	6855
1996-97	3	1	214	503	1021	1233	1284	1001	782	673	306	14	7035
1997-98	10	17	113	452	926	1133	1202	841	998	551	195	114	6552
1998-99	2	0	39	467	764	1149	1151	785	815	586	248	54	6060
1999-00	8	9	227	458	690	1057	1164	894	738	503	169	49	5966
2000-01		0	142	424	1204	1337	1152	1156	868	473	255	87	
2001-02	0	5	146	511	773	1160	1173	957	1104	506	299	11	6645
2002-03	0	8	138	680	831	1074	1142	1091	758	462	236	56	6476
2003-04	0	7	168	352	897	1079	1267	1091	705	477	153	101	6297
2004-05	11	46	87	402	812	1062	1269	856	807	513	266	28	6159
2005-06	6	3	72	438	757	1218	858	1026	868	363	187	3	5799
2006-07	0	10	232	586	875	1143	1475	1166	575	564	165	32	6823
2007-08	0	2	102	407	792	1355	1287	1021	863	596	294	35	6754
2008-09	0	0	126	488	805	1329	1158	945	853	544	233	69	6550
2009-10	8	22	154	741	742	1458	1226	1119	770	445	348	12	7045
2010-11	0	1	111	392	897	1172	1376	1113	854	541	312	25	6794
2011-	0	0	175	410	831	1150							

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COOLING DEGREE DAYS (base 65°F) 2011 NORTH PLATTE (KLBF)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1982	0	0	0	0	8	70	314	276	68	0	0	0	736
1983	0	0	0	0	8	103	331	412	128	1	0	0	983
1984	0	0	0	0	27	129	281	331	55	2	0	0	825
1985	0	0	0	14	32	100	326	189	100	0	0	0	761
1986	0	0	0	3	11	201	334	217	43	0	0	0	809
1987	0	0	0	16	48	176	352	208	35	0	0	0	835
1988	0	0	0	1	41	293	301	282	46	0	0	0	964
1989	0	0	0	21	35	99	295	220	67	2	0	0	739
1990	0	0	0	15	10	205	291	289	165	5	0	0	980
1991	0	0	0	3	59	194	317	276	112	2	0	0	963
1992	0	0	0	13	31	68	135	116	60	1	0	0	424
1993	0	0	0	0	15	88	212	194	24	6	0	0	539
1994	0	0	0	10	63	213	183	251	111	0	0	0	831
1995	0	0	0	0	0	125	298	449	103	4	0	0	979
1996	0	0	0	0	33	149	204	165	44	3	0	0	598
1997	0	0	0	0	5	156	295	206	96	29	0	0	787
1998	0	0	0	0	37	94	326	237	150	0	0	0	844
1999	0	0	0	0	9	119	343	192	28	0	0	0	691
2000	0	0	0	0	42	140	362	393	107	0	0	0	1044
2001	0	0	0	4	13	168	394	201	52	3	0	0	835
2002	0	0	0	2	27	312	446	277	96	0	0	0	1160
2003	0	0	0	5	24	98	393	341	50	12	0	0	923
2004	0	0	0	0	57	104	231	141	129	1	0	0	663
2005	0	0	0	0	29	196	394	252	164	9	0	0	1044
2006	0	0	0	3	77	232	403	241	21	17	0	0	994
2007	0	0	0	6	30	142	344	351	128	23	0	0	1024
2008	0	0	0	0	7	72	346	207	49	2	0	0	683
2009	0	0	0	2	39	120	194	151	28	0	0	0	534
2010	0	0	0	0	43	155	314	295	46	1	0	0	854
2011	0	0	0	3	10	130	416	308	37	17	0	0	921

SNOWFALL (inches) 2011 NORTH PLATTE (KLBF)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1982-83	0.0	0.0	0.0	1.0	2.0	9.7	1.6	0.1	5.9	5.4	0.0	0.0	25.7
1983-84	0.0	0.0	T	0.0	12.1	7.3	5.3	9.6	8.8	14.5	0.2	0.0	57.8
1984-85	0.0	0.0	T	0.3	0.9	8.7	8.5	0.8	2.1	0.0	0.0	0.0	21.3
1985-86	0.0	0.0	3.1	T	13.0	8.1	0.2	8.7	3.8	T	0.0	0.0	36.9
1986-87	0.0	0.0	0.0	2.0	1.0	2.6	1.6	9.2	7.2	0.1	0.0	0.0	23.7
1987-88	0.0	0.0	0.0	1.3	8.2	7.2	12.6	0.6	3.8	2.1	0.0	0.0	35.8
1988-89	0.0	0.0	0.0	T	2.5	T	6.1	10.6	4.3	0.3	T	0.0	23.8
1989-90	T	0.0	T	T	T	2.2	5.9	1.9	5.3	0.3	T	T	15.6
1990-91	0.0	0.0	0.0	2.0	9.7	0.8	4.1	1.1	5.6	T	T	0.0	23.3
1991-92	0.0	0.0	0.0	7.3	1.6	1.8	5.4	1.2	5.1	0.3	T	0.0	22.7
1992-93	T	T	0.0	T	2.2	3.9	10.1	17.2	2.7	2.0	T	T	38.1
1993-94	T	0.0	T	T	3.9	3.3	10.6	6.0	0.4	11.5	T	T	35.7
1994-95	T	0.0	0.0	0.0	4.6	9.0	0.1	2.7	7.4	9.6	0.0	T	33.4
1995-96	T	0.0	0.7	4.1	0.8	0.5	4.9	T	3.4	4.0	0.0	0.0	18.4
1996-97	T		0.0	T	5.2	1.0	0.9	12.1	0.5	4.4	0.0	0.0	
1997-98	0.0	T	0.0	5.7	1.6	3.2	4.4	4.2	8.8	0.0	T	T	27.9
1998-99	T	0.0	0.0	T	5.7	0.7	4.5	5.2	2.7	1.2	0.0	T	20.0
1999-00	T	T	0.0	0.0	1.4	1.1	8.1	3.6	0.8	T	T	T	15.0
2000-01	T	T	2.8	0.0	10.6	1.0	7.4	5.3	4.2	6.3	T	T	37.6
2001-02	T	T	0.0	0.0	1.6	3.4	2.0	0.2	10.5	T	T	T	17.7
2002-03	0.0	0.0	0.0	8.2	1.0	T	4.1	8.9	1.0	7.6	0.0	0.0	30.8
2003-04	0.0	0.0	0.0	0.0	1.2	0.7	5.3	5.2	0.7	1.5	0.0	0.0	14.6
2004-05	0.0	T	0.0	0.0	9.9	0.6	5.7	1.8	5.1	0.4	T	0.0	23.5
2005-06	T	0.0	0.0	0.0	3.9	3.5	T	2.7	9.7	0.1	0.0	T	19.9
2006-07	T	0.0	0.0	0.8	2.0	16.3	10.2	7.8	T	4.9	T	0.0	42.0
2007-08	0.0	0.0	0.0	0.0	0.6	9.9	1.3	1.7	8.3	9.6	0.6	T	32.0
2008-09	T	T	0.0	1.1	2.0	3.8	5.3	9.1	3.2	7.5	0.0	T	32.0
2009-10	T	0.0	0.0	30.3	T	12.3	1.5	12.3	3.8	0.7	0.0	T	60.9
2010-11	T	0.0	0.0	0.0	0.5	7.6	14.7	7.2	7.6	5.0	T	0.0	42.6
2011-	0.0	0.0	0.0	0.0	1.5	3.0							
POR= 64 YRS	T	T	0.1	1.7	3.6	4.6	5.4	5.1	6.3	3.0	0.2	T	30.0

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REFERENCE NOTES :

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

PAGE 2 AND 3:
H/C INDICATES HEATING AND COOLING DEGREE DAYS.
RH INDICATES RELATIVE HUMIDITY
W/O INDICATES WEATHER AND OBSTRUCTIONS
S INDICATES SUNSHINE.
PR INDICATES PRESSURE.
CLOUDINESS ON PAGE 3 IS THE SUM OF THE CEILOMETER AND SATELLITE DATA NOT TO EXCEED EIGHT EIGHTHS(OKTAS).

GENERAL:
T INDICATES TRACE PRECIPITATION, AN AMOUNT GREATER THAN ZERO BUT LESS THAN THE LOWEST REPORTABLE VALUE.
+ INDICATES THE VALUE ALSO OCCURS ON EARLIER DATES.
BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA.
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.
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.

GENERAL CONTINUED:
WIND DIRECTION IS RECORDED IN TENS OF DEGREES (2 DIGITS) CLOCKWISE FROM TRUE NORTH. "00" INDICATES CALM. "36" INDICATES TRUE NORTH.
RESULTANT WIND IS THE VECTOR AVERAGE OF THE SPEED AND DIRECTION.
AVERAGE TEMPERATURE IS THE SUM OF THE MEAN DAILY MAXIMUM AND MINIMUM TEMPERATURE DIVIDED BY 2.
SNOWFALL DATA COMPRISE ALL FORMS OF FROZEN PRECIPITATION, INCLUDING HAIL.
A HEATING (COOLING) DEGREE DAY IS THE DIFFERENCE BETWEEN THE AVERAGE DAILY TEMPERATURE AND 65 F.
DRY BULB IS THE TEMPERATURE OF THE AMBIENT AIR.
DEW POINT IS THE TEMPERATURE TO WHICH THE AIR MUST BE COOLED TO ACHIEVE 100 PERCENT RELATIVE HUMIDITY.
WET BULB IS THE TEMPERATURE THE AIR WOULD HAVE IF THE MOISTURE CONTENT WAS INCREASED TO 100 PERCENT RELATIVE HUMIDITY.
ON JULY 1, 1996, THE NATIONAL WEATHER SERVICE BEGAN USING THE "METAR" OBSERVATION CODE THAT WAS ALREADY EMPLOYED BY MOST OTHER NATIONS OF THE WORLD. THE MOST NOTICEABLE DIFFERENCE IN THIS ANNUAL PUBLICATION WILL BE THE CHANGE IN UNITS FROM TENTHS TO EIGHTS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER.
STATION HISTORY STOPPED WITH THE 2009 ANNUAL. IF YOU NEED HISTORY GO TO "MULTI-NETWORK MEDADATA SYSTEM", URL IS: https://mi3.ncdc.noaa.gov/mi3qry/login.cfm
SNOWFALL STOPPED MONTH & YEAR INDICATED ABOVE. NO FURTHER YEARS INCLUDED UNLESS RESTARTED.

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

2011
NORTH PLATTE
NEBRASKA (KLBF)

The climate of North Platte is characterized throughout the year by frequent rapid changes in the weather. During the winter, most North Pacific lows cross the country north of North Platte. The passage usually brings little or no snowfall, and only a moderate drop in temperature. Only when there is a major outbreak of cold air from Canada does the temperature fall to zero or below. The duration of below-zero temperature is hardly more than two mornings, and by the third or fourth day the temperature is ordinarily rising to the 40s or higher. Snowfall at the onset of a cold outbreak is usually less than 2 inches.

Only when a low moves from the middle Rockies through Nebraska, allowing easterly winds to draw moist air into the low circulation, does snowfall of appreciable amounts occur. Few of these storms move slowly enough, or are intense enough, to deposit much precipitation in the North Platte area. However, during some winters the cold outbreak and intense low from the mid-Rockies combine to produce severe cold and snow several inches in depth, with blizzard conditions following. During and after these snowfalls and blizzards, rail and highway traffic may be stalled until the snow is cleared. Widespread loss of unsheltered livestock and wild life results from such conditions.

The sudden and frequent weather changes of the winter continue through spring with decreasing intensity of temperature changes but increasing precipitation. The summer and fall months bring frequent changes from hot to cool weather. Most summer and fall precipitation is associated with thunderstorms, so the amounts are extremely variable. The surrounding area is occasionally damaged by locally severe winds and hailstorms.

Temperatures may reach into the upper 90s and lower 100s frequently during the summer months, but the elevation and clear skies bring rapid cooling after sunset to lows in the 60s or below by daybreak. Since the humidity is generally low, the extremely hot days of summer are not uncomfortable.

Based on the 1951-1980 period, the average first occurrence of 32 degrees Fahrenheit in the fall is September 24 and the average last occurrence in the spring is May 11.

Station History

NORTH PLATTE, NE

NAME	Begin Date	End Date	Latitude	Longitude	Elevation Feet	Relocation	Platform
NORTH PLATTE MUNICIPAL AP	1933-06-01	1947-12-01	41° 7'	-100° 42'	2789		AIRWAYS
NORTH PLATTE MUNICIPAL AP	1952-01-01	1952-01-15	41° 7'	-100° 40'	2775		AIRWAYS,COOP
NORTH PLATTE MUNICIPAL AP	1947-12-01	1952-01-01	41° 7'	-100° 42'	2789		AIRWAYS,COOP
NORTH PLATTE REGIONAL AP	2009-10-19	Present	41° 7'	-100° 40'	2778		ASOS,COOP,WXSVC
NORTH PLATTE REGIONAL AP	1996-02-01	1996-10-01	41° 7'	-100° 40'	2779		ASOS,COOP,WXSVC
NORTH PLATTE LEE BIRD FIELD	1952-01-15	1973-01-01	41° 7'	-100° 40'	2775		AIRWAYS,COOP
NORTH PLATTE REGIONAL AP	1995-08-23	1996-02-01	41° 7'	-100° 40'	2779		COOP,WXSVC
NORTH PLATTE REGIONAL AP	2001-03-27	2009-10-19	41° 7'	-100° 40'	2778		ASOS,COOP,WXSVC
NORTH PLATTE LEE BIRD FIELD	1973-01-01	1995-06-06	41° 7'	-100° 40'	2775		COOP,WXSVC
NORTH PLATTE REGIONAL AP	1996-10-01	2001-03-27	41° 7'	-100° 40'	2779	1.3 MI SE	ASOS,COOP,WXSVC
NORTH PLATTE LEE BIRD FIELD	1995-06-06	1995-08-23	41° 7'	-100° 40'	2779		COOP,WXSVC

Element History

Element	Begin Date	End Date	Frequency	Time Of Observation	Equipment *	Equipment * Modifications	Equipment Exposure
TEMP	1933-06-01	1982-01-01	DAILY	2400			
TEMP	1987-10-12	1995-07-01	DAILY	2400	MXMN		
PRECIP	1987-10-12	1995-07-01	DAILY	2400	UNIV	RCRD	
PRECIP	1996-10-01	2009-10-19	HOURLY	2400	TB	RCRD	
TEMP	2009-10-19	Present	DAILY	2400	HYGR		
PRECIP	2009-10-19	Present	DAILY	2400	PCPNX		
TEMP	1982-01-01	1987-10-12	DAILY	2400			
PRECIP	1933-06-01	1982-01-01	DAILY	2400	UNIV	RCRD	
PRECIP	1982-01-01	1987-10-12	DAILY	2400	UNIV	RCRD	
PRECIP	1995-07-01	1996-10-01	DAILY	2400	UNIV	RCRD	
PRECIP	1995-07-01	1996-10-01	HOURLY	2400	UNIV	RCRD	
PRECIP	1996-10-01	2009-10-19	DAILY	2400	TB	RCRD	
PRECIP	2009-10-19	Present	HOURLY	2400	AWPAG	RCRD;HTD	
TEMP	1995-07-01	1996-10-01	DAILY	2400	MXMN		
TEMP	1996-10-01	2009-10-19	DAILY	2400	HYGR		
PRECIP	1982-01-01	1987-10-12	HOURLY	2400			
PRECIP	1987-10-12	1995-07-01	HOURLY	2400			

* For explanation of codes and abbrevitions 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

INQUIRES/COMMENTS CALL: (828) 271-4800, option 2
Fax Number : (828) 271-4876
TDD : (828) 271-4010
Email : ncdc.info@noaa.gov

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151 Patton Avenue
Asheville, NC 28801-5001