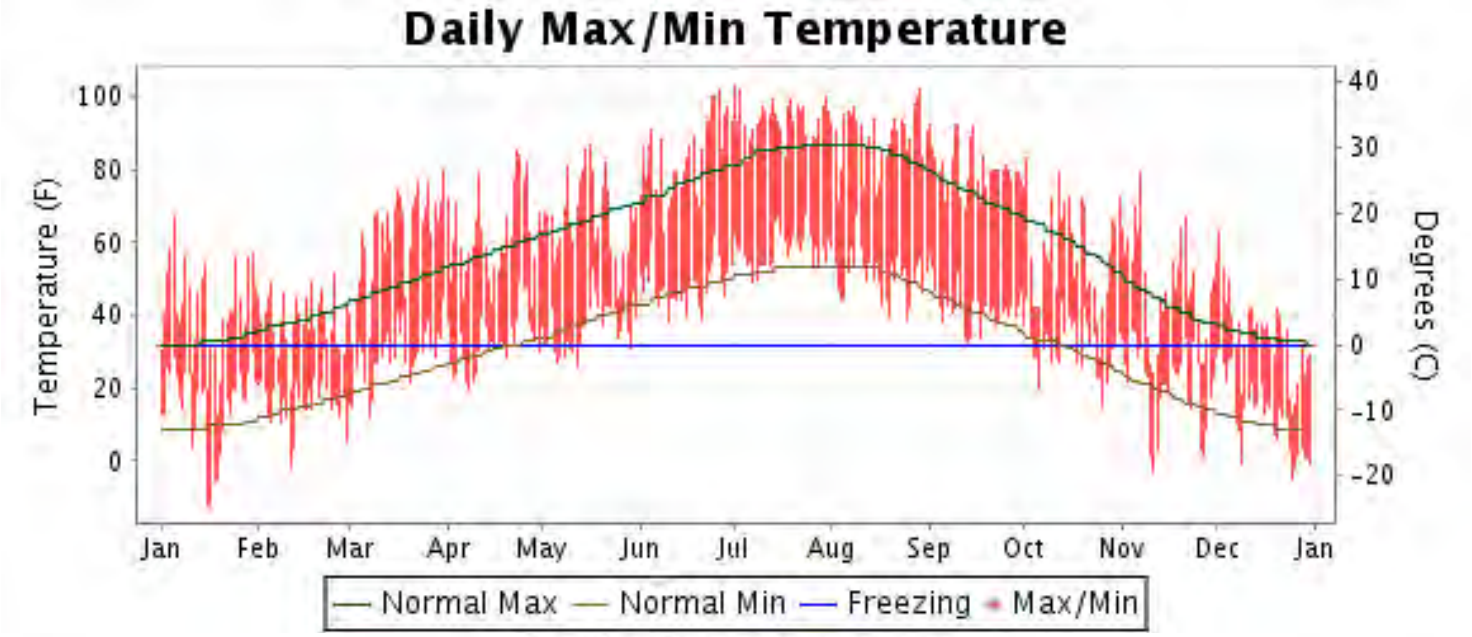
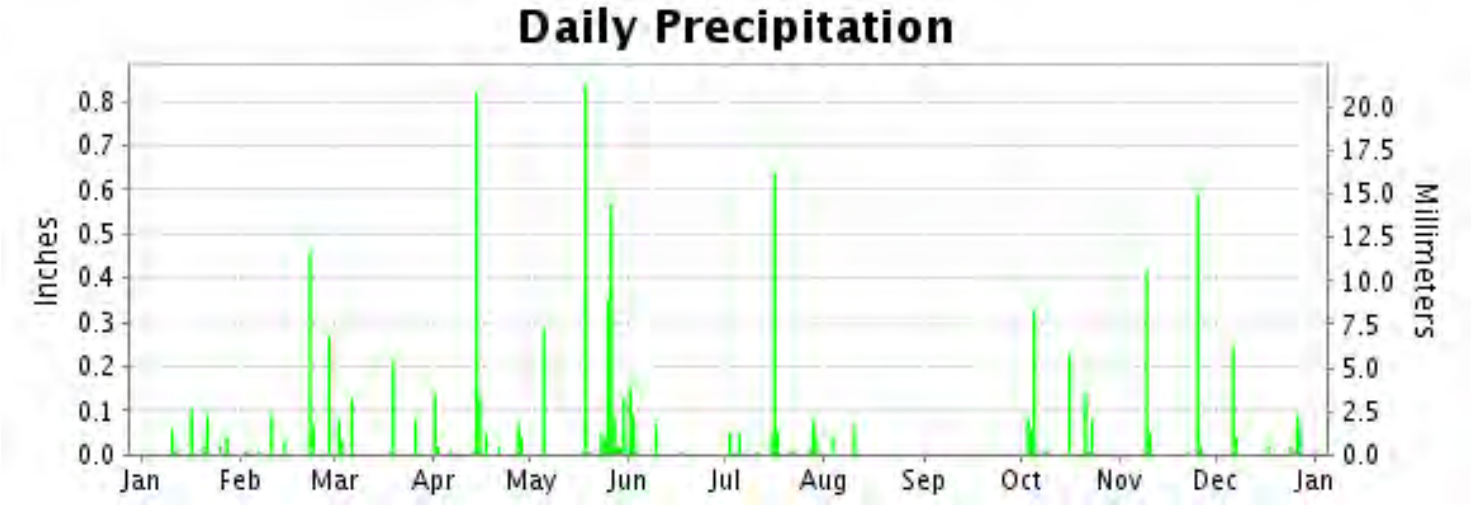
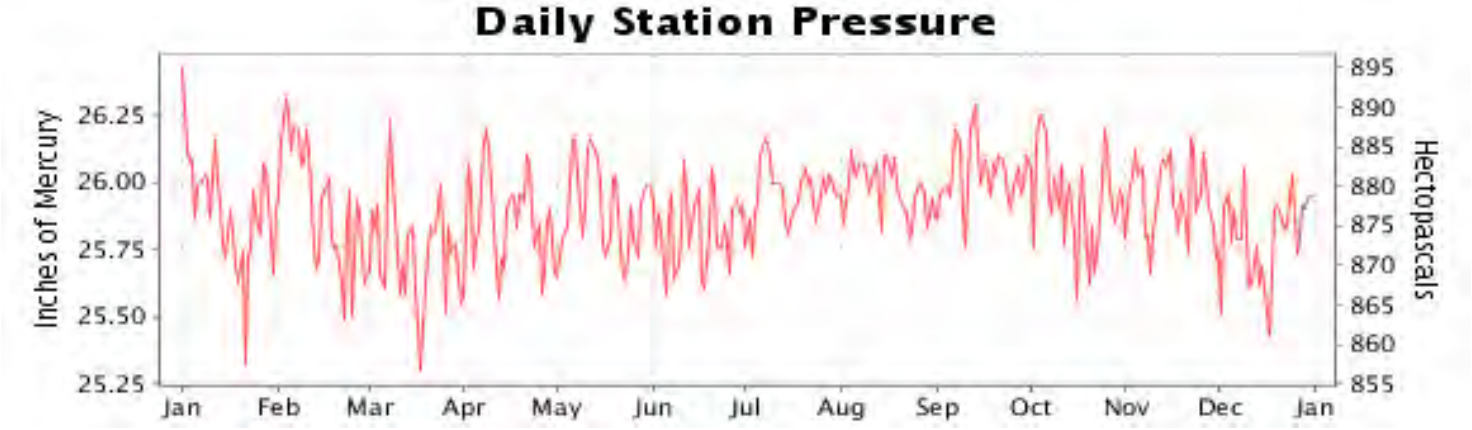
2012
LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA

ISSN 0198-5825

SHERIDAN,
WYOMING (KSHR)







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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER
ASHEVILLE, NORTH CAROLINA

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METEOROLOGICAL DATA FOR 2012
SHERIDAN (KSHR)

LATITUDE: 44° 46'N **LONGITUDE:** 106° 58'W **ELEVATION (FT):** GRND: 3945 BARO: 3945 **TIME ZONE:** MOUNTAIN (UTC -7) **WBAN:** 24029

	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	MEAN DAILY MAXIMUM	41.5	38.9	61.8	62.1	66.8	83.6	93.7	88.9	80.5	57.6	47.9	35.0	63.2
	HIGHEST DAILY MAXIMUM	67	52	80	85	87	102	103	102	92	83	79	63	103
	DATE OF OCCURRENCE	05	25	31	23	16	26	01	29	15+	02	07	02	JUL 01
	MEAN DAILY MINIMUM	14.9	16.1	29.2	32.7	36.7	48.2	57.9	51.0	42.1	31.5	20.8	12.6	32.8
	LOWEST DAILY MINIMUM	-12	-2	12	20	26	37	49	39	32	15	-3	-5	-12
	DATE OF OCCURRENCE	17+	11	07	08	12	10	07	25	13	26	11	25	JAN 17+
	AVERAGE DRY BULB	28.2	27.5	45.5	47.4	51.8	65.9	75.8	70.0	61.3	44.6	34.4	23.8	48.0
	MEAN WET BULB	23.5	24.4	37.1	40.8	45.0	54.5	60.0	54.5	47.7	37.9	29.8	19.9	39.6
	MEAN DEW POINT	15.4	19.2	26.5	33.7	37.5	44.7	48.5	41.4	34.5	30.9	24.8	13.9	30.9
	NUMBER OF DAYS WITH:													
	MAXIMUM >= 90°	0	0	0	0	0	9	24	18	4	0	0	0	55
	MAXIMUM <= 32°	7	5	1	0	0	0	0	0	0	1	5	12	31
	MINIMUM <= 32°	31	29	20	16	11	0	0	0	1	17	25	31	181
	MINIMUM <= 0°	4	1	0	0	0	0	0	0	0	0	1	4	10
H/C	HEATING DEGREE DAYS	1134	1079	597	522	405	75	0	19	131	624	910	1271	6767
	COOLING DEGREE DAYS	0	0	0	2	2	110	343	180	27	0	0	0	664
RH	MEAN (PERCENT)	62	74	53	63	63	51	43	41	43	66	74	70	59
	HOUR 05 LST	69	82	71	80	79	70	66	66	67	79	84	78	74
	HOUR 11 LST	49	63	36	47	45	33	24	25	22	49	60	61	43
	HOUR 17 LST	67	74	45	52	51	33	27	26	33	66	72	69	51
	HOUR 23 LST	68	80	64	76	78	66	55	53	56	75	79	73	69
W/O	NUMBER OF DAYS WITH:													
	HEAVY FOG(VISBY <= 1/4 MI)	1	3	0	0	0	0	0	0	0	1	2	1	8
	THUNDERSTORMS	0	0	0	0	0	2	8	0	1	1	0	0	12
PR	MEAN STATION PRESS. (IN.)	25.89	25.92	25.74	25.86	25.91	25.84	25.96	25.97	26.02	25.94	25.94	25.80	25.90
	MEAN SEA-LEVEL PRESS. (IN.)	30.06	30.09	29.79	29.91	29.94	29.80	29.90	29.94	30.03	30.02	30.08	29.98	29.96
WINDS	RESULTANT SPEED (MPH)	4.5	4.5	2.3	3.8	3.3	1.9	1.5	2.4	2.6	2.9	2.4	3.3	2.9
	RES. DIR. (TENS OF DEGS.)	30	31	28	31	31	30	28	32	31	31	30	29	31
	MEAN SPEED (MPH)	7.3	6.7	7.5	7.9	6.6	6.9	5.9	5.8	5.0	5.8	4.9	5.7	6.3
	PREVAIL.DIR.(TENS OF DEGS.)	32	32	31	32	31	31	30	31	31	31	31	29	32
	MAXIMUM 2-MINUTE WIND													
	SPEED (MPH)	43	46	40	40	41	46	39	39	31	41	39	55	55
	DIR. (TENS OF DEGS.)	32	31	32	32	31	30	32	31	31	32	32	31	31
	DATE OF OCCURRENCE	27	22	26	27	10	08	27	15	19	17	21	02	DEC 02
	MAXIMUM 3-SECOND WIND:													
	SPEED (MPH)	56	53	56	52	52	56	52	48	41	53	46	68	68
	DIR. (TENS OF DEGS.)	31	30	26	32	31	31	33	31	21	33	32	32	32
	DATE OF OCCURRENCE	27	22	05	27	10	08	11	15	10	17	21	02	DEC 02
PRECIPITATION	WATER EQUIVALENT:	0.35	0.94	0.54	1.31	2.42	0.33	0.99	0.11	T	0.95	1.09	0.50	9.53
	TOTAL (IN.)	0.11	0.46	0.22	0.95	0.85	0.15	0.69	0.07	T	0.36	0.61	0.29	0.95
	GREATEST 24-HOUR (IN.)	16	22	18-19	14-15	18-19	01	16-17	10	16+	04-05	25-26	06-07	APR 14-15
	DATE OF OCCURRENCE													
	NUMBER OF DAYS WITH:	7	7	6	10	12	5	11	2	0	9	5	7	81
	PRECIPITATION 0.01	1	2	2	3	5	1	1	0	0	3	2	1	21
	PRECIPITATION 0.10	0	0	0	0	0	0	0	0	0	0	0	0	0
	PRECIPITATION 1.00													
SNOWFALL	SNOW,ICE PELLETS,HAIL													
	TOTAL (IN.)													
	GREATEST 24-HOUR (IN.)													
	DATE OF OCCURRENCE													
	MAXIMUM SNOW DEPTH (IN.)													
	DATE OF OCCURRENCE													
	NUMBER OF DAYS WITH:													
	SNOWFALL >= 1.0													

NORMALS, MEANS, AND EXTREMES
SHERIDAN (KSHR)

LATITUDE: 44° 46'N **LONGITUDE:** 106° 58'W **ELEVATION (FT):** GRND: 3945 BARO: 3945 **TIME ZONE:** MOUNTAIN (UTC -7) **WBAN:** 24029

	ELEMENT	POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	36.2	39.0	48.4	57.4	66.7	76.7	87.1	86.3	74.2	60.1	45.9	35.2	59.4
	MEAN DAILY MAXIMUM	65	33.8	38.3	46.4	56.8	66.4	76.3	86.6	85.7	74.0	61.2	45.9	36.3	59.0
	HIGHEST DAILY MAXIMUM	72	70	76	80	87	95	105	107	106	103	93	81	72	107
	YEAR OF OCCURRENCE		1974	1982	2012	1946	1960	1988	2005	1983	1983	2011	1999	1981	JUL 2005
	MEAN OF EXTREME MAXS.	65	57.5	59.1	68.5	78.6	85.4	93.8	99.6	98.4	93.1	82.9	69.6	59.9	78.9
	NORMAL DAILY MINIMUM	30	11.4	14.2	22.0	29.8	38.2	46.4	53.0	51.6	41.6	30.9	19.4	10.6	30.8
	MEAN DAILY MINIMUM	65	9.6	14.4	21.3	30.5	39.4	47.4	53.9	52.3	42.3	32.0	20.2	12.2	31.3
	LOWEST DAILY MINIMUM	72	-35	-32	-23	-2	13	27	35	32	6	-9	-25	-37	-37
	YEAR OF OCCURRENCE		1997	1989	1965	1975	1954	1951	1971	2002	1984	1991	1959	1983	DEC 1983
	MEAN OF EXTREME MINS.	65	-14.9	-9.3	-0.2	15.6	26.2	35.7	44.0	41.6	28.4	15.6	-1.3	-10.6	14.2
	NORMAL DRY BULB	30	23.8	26.6	35.2	43.6	52.5	61.6	70.0	69.0	57.9	45.5	32.7	22.9	45.1
	MEAN DRY BULB	65	21.7	26.4	33.8	43.7	52.9	61.9	70.3	69.0	58.2	46.6	33.1	24.2	45.2
	MEAN WET BULB	29	19.2	21.5	28.7	36.1	44.7	52.3	56.0	53.8	45.9	37.0	26.9	19.3	36.8
	MEAN DEW POINT	29	16.2	17.8	25.0	31.7	40.7	48.7	51.4	48.9	41.3	32.8	23.0	16.4	32.8
	NORMAL NO. DAYS WITH:														
	MAXIMUM >= 90	30	0.0	0.0	0.0	0.0	0.3	3.1	12.3	11.6	2.7	0.0	0.0	0.0	30.0
	MAXIMUM <= 32	30	10.2	7.6	3.4	0.7	0.0	0.0	0.0	0.0	0.1	0.7	4.7	11.2	38.6
	MINIMUM <= 32	30	30.3	26.7	27.6	18.0	6.0	0.4	0.0	0.0	2.5	16.1	26.9	30.6	185.1
	MINIMUM <= 0	30	6.1	4.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.0	5.9	19.9
H/C	NORMAL HEATING DEG. DAYS	30	1277	1075	924	642	393	149	26	36	241	605	970	1305	7643
	NORMAL COOLING DEG. DAYS	30	0	0	0	0	4	46	182	158	28	1	0	0	419
RH	NORMAL (PERCENT)	30	69	66	64	60	61	61	52	49	54	61	67	68	61
	HOUR 05 LST	30	72	72	75	75	78	79	74	71	72	73	74	72	74
	HOUR 11 LST	30	64	60	54	49	49	47	38	36	41	49	58	63	51
	HOUR 17 LST	30	67	60	51	45	47	46	35	32	37	48	63	66	50
	HOUR 23 LST	30	72	72	72	68	72	73	63	60	65	70	72	73	69
S	PERCENT POSSIBLE SUNSHINE	55	57	60	63	60	60	65	75	75	68	62	53	55	63
W/O	MEAN NO. DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	49	1.2	1.6	1.5	0.8	0.2	0.2	0.1	0.1	0.2	0.8	0.9	1.1	8.7
	THUNDERSTORMS	65	0.0	0.0	0.1	0.8	3.9	8.4	8.8	6.8	2.4	0.4	0.0	0.0	31.6
CLOUDINESS	MEAN:														
	SUNRISE-SUNSET (OKTAS)	53	5.5	5.5	5.6	5.4	5.4	4.6	3.5	3.5	4.0	4.5	5.4	5.3	4.9
	MIDNIGHT-MIDNIGHT (OKTAS)	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	MEAN NO. DAYS WITH:														
	CLEAR	56	5.8	5.2	4.6	5.3	5.5	7.8	13.1	13.3	11.4	9.7	5.8	6.5	94.0
	PARTLY CLOUDY	56	7.9	7.8	9.5	9.1	10.5	11.7	12.0	10.8	9.0	8.5	8.0	7.9	112.7
	CLOUDY	56	17.3	15.3	16.9	15.7	14.9	10.5	5.5	6.4	9.1	12.3	15.8	16.6	156.3
PR	MEAN STATION PRESSURE(IN)	29	25.92	25.92	25.88	25.88	25.89	25.91	25.97	25.98	25.98	25.94	25.92	25.93	25.93
	MEAN SEA-LEVEL PRES. (IN)	29	30.11	30.09	30.00	29.95	29.92	29.90	29.93	29.94	30.00	30.02	30.06	30.11	30.00
WINDS	MEAN SPEED (MPH)	29	6.7	7.0	8.0	9.1	8.4	7.3	6.7	6.4	6.5	6.8	6.7	6.7	7.2
	PREVAIL.DIR(TENS OF DEGS)	28	32	32	32	32	32	32	32	32	31	32	32	32	32
	MAXIMUM 2-MINUTE:														
	SPEED (MPH)	16	51	62	58	61	60	51	59	58	53	47	55	55	62
	DIR. (TENS OF DEGS)		29	32	32	30	31	20	31	32	32	32	32	31	32
	YEAR OF OCCURRENCE		2002	2007	2004	2001	2001	2011	2007	2002	2011	2003	1998	2012	FEB 2007
	MAXIMUM 3-SECOND														
	SPEED (MPH)	16	74	78	67	76	76	63	66	67	63	58	63	68	78
	DIR. (TENS OF DEGS)		24	31	30	31	31	21	32	30	31	33	31	32	31
	YEAR OF OCCURRENCE		2007	2007	2011	2001	2001	2011	2008	2002	2011	2003	2005	2012	FEB 2007
PRECIPITATION	NORMAL (IN)	30	0.56	0.54	0.98	1.60	2.35	2.12	1.18	0.72	1.43	1.41	0.71	0.56	14.16
	MAXIMUM MONTHLY (IN)	72	1.86	2.68	3.26	4.80	6.80	9.54	3.78	3.02	3.08	3.72	2.41	2.41	9.54
	YEAR OF OCCURRENCE		1994	1955	1946	1963	1978	1944	1958	1968	1951	2011	1991	1989	JUN 1944
	MINIMUM MONTHLY (IN)	72	0.03	0.05	0.14	0.18	0.22	0.28	0.02	T	T	0.02	0.10	0.10	0.02
	YEAR OF OCCURRENCE		2004	1992	1978	1980	2009	1971	1999	1970	2012	1965	1981	1986	JUL 1999
	MAXIMUM IN 24 HOURS (IN)	72	1.01	1.10	2.25	3.84	2.52	3.44	2.28	1.71	2.17	2.29	1.10	0.86	3.84
	YEAR OF OCCURRENCE		1972	1955	1946	1948	2005	1944	1948	1943	1998	2011	1991	1980	APR 1948
	NORMAL NO. DAYS WITH:														
	PRECIPITATION >= 0.01	30	7.1	7.2	10.2	10.4	11.9	10.3	7.6	6.3	7.0	8.2	7.2	7.4	100.8
	PRECIPITATION >= 1.00	30	0.0	0.0	0.0	0.1	0.4	0.3	0.1	0.0	0.2	0.1	0.0	0.0	1.2
SNOWFALL	NORMAL (IN)	30	11.0	9.1	11.4	9.4	1.5	0.0	0.0	0.0	2.8	5.7	8.6	11.9	71.4
	MAXIMUM MONTHLY (IN)	60	32.8	35.0	36.8	39.6	12.5	4.0	T	0.0	21.0	17.5	25.8	43.5	43.5
	YEAR OF OCCURRENCE		1994	1955	1954	1955	1979	1969	1995		1984	1989	1964	1989	DEC 1989
	MAXIMUM IN 24 HOURS (IN)	60	13.5	11.2	13.3	26.7	10.9	4.0	T	0.0	12.9	14.0	12.0	13.3	26.7
	YEAR OF OCCURRENCE'		1972	1990	1946	1955	1979	1969	1995		1984	1989	1942	1989	APR 1955
	MAXIMUM SNOW DEPTH (IN)	52	19	20	17	33	14	4	0	0	12	12	12	23	33
	YEAR OF OCCURRENCE		1972	1978	1978	1955	1967	1969			1984	1989	1978	1989	APR 1955
	NORMAL NO. DAYS WITH:														
	SNOWFALL >= 1.0	30	3.1	3.0	4.2	2.6	0.4	0.0	0.0	0.0	0.7	1.3	3.3	4.3	22.9

PRECIPITATION (inches) 2012 SHERIDAN (KSHR)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1983	0.07	0.33	0.48	0.88	1.84	1.01	0.12	1.23	0.94	1.25	1.06	0.76	9.97
1984	0.69	0.46	2.11	2.22	1.55	2.34	0.40	0.96	2.28	0.28	0.57	0.35	14.21
1985	0.81	0.28	0.54	0.98	1.55	1.73	0.93	0.44	2.36	0.57	0.70	0.40	11.29
1986	0.26	1.52	1.08	0.88	1.78	3.21	0.63	1.02	2.43	1.21	1.94	0.10	16.06
1987	0.45	0.81	1.45	0.22	2.76	1.23	3.01	1.15	1.49	0.54	1.17	0.29	14.57
1988	0.67	0.78	0.64	2.09	2.43	0.55	0.07	0.26	0.97	1.27	0.60	0.63	10.96
1989	0.36	0.48	1.61	2.26	1.69	1.62	0.54	0.27	0.84	2.70	0.61	2.41	15.39
1990	0.46	0.89	1.01	2.27	1.92	2.00	1.11	0.46	0.24	1.80	0.87	0.41	13.44
1991	0.85	0.61	1.09	3.69	2.67	1.02	0.29	0.45	1.50	0.83	2.41	0.57	15.98
1992	0.21	0.05	0.96	1.43	2.02	3.56	2.42	0.63	0.45	0.90	1.35	1.26	15.24
1993	0.55	0.32	0.78	2.52	2.37	3.61	3.31	0.43	0.58	1.93	0.45	0.49	17.34
1994	1.86	1.09	1.18	1.73	0.65	1.70	1.62	0.43	0.83	3.41	0.70	0.20	15.40
1995	0.97	1.06	0.86	2.19	3.05	3.78	0.70	0.09	2.08	1.66	0.77	0.29	17.50
1996	0.65	0.21	1.91	0.88	3.69	1.32	.27	.79	.78	1.11	.84	.73	13.18
1997	0.47	0.49	0.29	1.40	2.72	2.35	3.11	1.67	0.95	1.49	0.16	0.78	15.88
1998	0.41	0.08	1.15	2.01	0.29	3.67	1.10	2.47	2.67	2.69	0.84	0.19	17.57
1999	0.50	0.10	0.61	3.51	1.94	1.71	0.02	0.36	2.69	0.72	0.28	0.63	13.07
2000	1.48	0.89	0.79	1.59	3.52	1.90	0.72	0.43	1.59	1.07	0.23	1.16	15.37
2001	0.38	0.86	0.77	1.07	1.02	1.45	0.97	0.01	1.76	1.94	0.62	0.22	11.07
2002	0.34	0.53	0.94	1.60	1.02	0.65	1.96	1.28	1.60	1.36	0.71	0.18	12.17
2003	0.65	0.50	1.35	2.29	1.45	2.58	0.12	0.57	1.28	0.49	0.64	0.87	12.79
2004	0.03	1.01	0.43	0.67	0.72	1.13	1.71	0.55	2.20	1.05	0.21	0.14	9.85
2005	0.19	0.19	0.46	1.84	6.18	2.94	1.01	1.20	0.71	1.97	0.62	0.48	17.79
2006	0.12	0.40	0.92	1.21	0.98	0.53	0.10	0.30	2.82	1.38	0.53	0.27	9.56
2007	0.34	0.77	0.96	1.18	4.09	1.94	1.73	0.50	0.96	2.46	0.33	0.41	15.67
2008	0.70	0.35	0.93	1.12	4.73	2.08	0.92	0.28	1.56	1.53	0.75	0.66	15.61
2009	1.10	0.14	1.41	1.32	0.22	3.41	1.26	1.12	0.58		0.26	0.15	
2010	0.08	0.35	0.61	1.77	4.43	2.68	1.54	0.79	0.25	1.11	0.52	0.20	14.33
2011	0.74	0.27	1.73	1.66	5.91	1.68	0.50	0.70	0.12	3.72	1.14	0.58	18.75
2012	0.35	0.94	0.54	1.31	2.42	0.33	0.99	0.11	T	0.95	1.09	0.50	9.53
POR= 65 YRS	0.68	0.64	1.03	1.83	2.41	2.18	1.08	0.81	1.26	1.27	0.78	0.61	14.58

WBAN : 24029

AVERAGE TEMPERATURE (°F) 2012 SHERIDAN (KSHR)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1983	33.7	36.4	39.4	42.2	51.1	63.4	72.8	77.8	59.6	51.3	34.4	6.8	47.4
1984	25.0	32.5	37.1	43.2	52.8	61.3	71.0	72.8	53.5	41.2	33.1	14.1	44.8
1985	15.3	16.7	32.1	47.7	58.2	62.5	72.2	66.2	52.6	45.2	15.5	25.6	42.5
1986	32.7	22.9	43.8	44.8	52.5	66.9	68.1	69.9	53.5	48.0	29.2	29.0	46.8
1987	26.8	33.7	35.9	51.2	58.3	64.3	68.2	64.8	58.9	47.1	37.4	26.6	47.8
1988	21.6	26.4	36.7	46.6	56.5	74.2	74.5	70.3	58.0	51.0	34.0	28.6	48.2
1989	25.9	14.3	29.5	44.3	53.3	61.5	73.7	68.3	58.9	45.5	36.7	21.0	44.4
1990	29.5	26.6	36.2	43.7	51.1	60.7	69.2	69.9	64.3	45.9	37.9	15.8	45.9
1991	19.3	35.8	37.2	42.0	53.0	62.9	71.4	73.1	59.7	44.5	29.6	28.5	46.4
1992	30.8	37.7	42.8	48.3	56.0	63.5	63.9	65.2	58.8	48.8	32.7	15.2	47.0
1993	15.4	17.7	37.6	44.8	56.7	58.5	61.7	64.4	55.1	45.4	29.0	30.4	43.1
1994	25.1	19.3	38.6	44.9	58.7	64.7	70.0	71.5	62.4	45.7	31.0	29.0	46.7
1995	27.1	31.6	33.4	41.0	48.9	59.3	68.0	71.1	58.3	43.9	35.2	26.8	45.4
1996	16.4	28.1	27.6	45.6	49.0	64.8	71.0	71.5	58.3	45.2	25.1	17.9	43.4
1997	16.8	26.6	35.4	36.8	52.7	62.3	66.4	66.3	59.8	45.3	32.4	23.6	43.7
1998	20.7	30.6	31.0	44.3	54.1	55.1	72.4	69.5	64.0	45.8	35.1	24.2	45.6
1999	26.0	34.8	37.0	40.8	49.7	60.4	69.6	70.9	54.6	47.8	42.4	31.8	47.2
2000	23.7	28.4	37.8	44.8	52.9	59.6	72.4	70.3	57.6	45.2	23.4	17.9	44.5
2001	23.8	16.0	33.6	45.4	55.6	62.7	73.8	72.8	61.0	44.9	36.3	25.9	46.0
2002	25.7	29.7	22.8	40.6	50.0	64.0	74.9	65.0	58.1	38.0	35.6	28.6	44.4
2003	29.9	21.6	32.0	47.3	51.6	59.4	73.5	74.1	56.8	50.9	28.1	26.6	46.0
2004	21.7	29.3	41.2	46.8	52.9	60.6	68.7	65.7	57.8	46.7	35.6	31.4	46.5
2005	23.3	31.2	39.0	44.0	51.0	62.2	72.1	65.9	60.2	47.8	37.5	23.4	46.5
2006	35.5	26.3	35.4	48.1	54.5	66.7	75.7	70.1	57.0	43.9	36.3	28.8	48.2
2007	22.1	24.0	41.0	42.4	54.6	63.4	75.8	70.9	59.3	48.4	35.1	22.8	46.7
2008	19.5	26.8	33.3	39.9	50.9	58.5	69.9	69.2	54.9	45.7	39.4	16.9	43.7
2009	25.9	30.7	31.6	41.5	53.4	58.3	67.1	66.4	62.3	37.8	37.5	15.7	44.0
2010	22.8	24.7	40.0	43.0	48.2	60.5	68.7	69.1	58.7	52.4	29.7	22.0	45.0
2011	23.2	20.2	35.1	41.3	48.0	60.6	72.4	71.2	60.8	50.0	31.3	25.6	45.0
2012	28.2	27.5	45.5	47.4	51.8	65.9	75.8	70.0	61.3	44.6	34.4	23.8	48.0
POR= 65 YRS	21.7	26.4	33.8	43.7	52.9	61.9	70.3	69.0	58.2	46.6	33.1	24.2	45.2

HEATING DEGREE DAYS (base 65°F) 2012 SHERIDAN (KSHR)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1983-84	22	0	215	419	908	1802	1236	935	856	647	380	147	7567
1984-85	7	3	374	731	953	1574	1535	1351	1016	512	215	116	8387
1985-86	5	62	373	605	1483	1215	996	1175	650	598	390	41	7593
1986-87	15	2	338	521	1069	1109	1177	871	896	413	218	76	6705
1987-88	46	76	197	549	824	1183	1341	1114	870	545	271	23	7039
1988-89	3	20	221	424	925	1122	1204	1415	1094	618	359	142	7547
1989-90	0	25	205	598	841	1358	1096	1070	885	632	425	183	7318
1990-91	17	1	109	585	804	1526	1407	811	858	682	367	83	7250
1991-92	4	0	201	638	1056	1120	1052	785	682	496	290	86	6410
1992-93	78	103	199	510	963	1538	1533	1317	844	599	253	206	8143
1993-94	126	72	298	603	1073	1068	1230	1272	808	595	193	97	7435
1994-95	14	22	100	594	1012	1110	1168	928	976	715	488	189	7316
1995-96	26	16	244	650	888	1176	1501	1067	1151	576	489	61	7845
1996-97	4	15	225	607	1192	1454	1488	1067	913	841	379	82	8267
1997-98	54	47	176	604	972	1278	1366	958	1047	613	332	289	7736
1998-99	1	3	143	590	887	1260	1203	837	859	720	467	154	7124
1999-00	23	4	304	526	672	1024	1274	1055	839	601	367	183	6872
2000-01	0	20	246	607	1240	1452	1268	1366	963	583	296	146	8187
2001-02	0	0	168	617	852	1202	1214	982	1300	727	459	112	7633
2002-03	0	57	233	829	873	1119	1080	1210	1017	526	423	179	7546
2003-04	0	18	270	431	1101	1185	1335	1027	731	542	369	150	7159
2004-05	28	54	227	561	878	1038	1288	941	800	625	430	148	7018
2005-06	16	76	181	531	818	1287	907	1075	912	503	328	27	6661
2006-07	0	20	244	649	855	1113	1322	1141	738	673	315	104	7174
2007-08	2	19	209	510	891	1303	1400	1098	978	747	432	201	7790
2008-09	16	24	297	592	762	1486	1205	953	1027	696	365	220	7643
2009-10	31	42	130	838	818	1523	1300	1120	770	653	515	152	7892
2010-11	27	34	194	381	1051	1326	1290	1248	921	704	518	161	7855
2011-12	0	3	143	471	1007	1213	1134	1079	597	522	405	75	6649
2012-	0	19	131	624	910	1271							

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COOLING DEGREE DAYS (base 65°F) 2012 SHERIDAN (KSHR)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1983	0	0	0	0	6	47	272	402	57	0	0	0	784
1984	0	0	0	0	7	45	199	253	38	0	0	0	542
1985	0	0	0	0	13	47	238	104	10	0	0	0	412
1986	0	0	0	0	8	105	116	156	0	0	0	0	385
1987	0	0	0	6	19	62	150	76	24	2	0	0	339
1988	0	0	0	0	17	304	305	192	19	0	0	0	837
1989	0	0	0	6	0	44	276	132	27	0	0	0	485
1990	0	0	0	0	0	64	154	159	93	0	0	0	470
1991	0	0	0	0	1	28	208	257	49	9	0	0	552
1992	0	0	0	1	17	49	51	113	21	13	0	0	265
1993	0	0	0	0	1	16	32	64	8	0	0	0	121
1994	0	0	0	0	4	97	175	230	29	0	0	0	535
1995	0	0	0	0	0	26	126	212	49	2	0	0	415
1996	0	0	0	0	0	61	197	224	30	2	0	0	514
1997	0	0	0	0	3	8	103	97	28	0	0	0	239
1998	0	0	0	0	1	1	236	150	119	0	0	0	507
1999	0	0	0	0	0	24	175	191	2	0	0	0	392
2000	0	0	0	0	0	28	235	190	33	0	0	0	486
2001	0	0	0	0	13	84	280	252	54	0	0	0	683
2002	0	0	0	0	2	91	313	65	36	0	0	0	507
2003	0	0	0	0	15	20	274	309	30	0	0	0	648
2004	0	0	0	1	0	23	151	88	16	0	0	0	279
2005	0	0	0	0	1	71	242	112	47	4	0	0	477
2006	0	0	0	0	9	83	341	184	12	1	0	0	630
2007	0	0	0	0	3	64	344	211	45	0	0	0	667
2008	0	0	0	0	0	14	173	164	0	0	0	0	351
2009	0	0	0	0	9	24	102	92	55	0	0	0	282
2010	0	0	0	0	0	25	151	168	10	1	0	0	355
2011	0	0	0	0	0	34	239	202	24	12	0	0	511
2012	0	0	0	2	2	110	343	180	27	0	0	0	664

SNOWFALL (inches) 2012 SHERIDAN (KSHR)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1976-77	0.0	0.0	0.0	3.5	11.9	5.4	26.3	2.2	25.0	10.2	0.0	0.0	84.5
1977-78	0.0	0.0	0.0	8.4	9.1	24.0	23.2	15.5	1.5	0.7	5.2	0.0	87.6
1978-79	0.0	0.0	0.0	T	18.5	18.3	10.7	6.9	7.6	11.0	12.5	0.0	85.5
1979-80	0.0	0.0	0.0	10.1	8.9	4.2	12.1	18.2	19.3	3.0	0.0	0.0	75.8
1980-81	0.0	0.0	0.4	4.5	14.0	11.1	6.2	5.5	4.8	0.2	T	0.0	46.7
1981-82	0.0	0.0	0.0	5.6	1.0	8.2	12.8	5.2	18.8	7.3	T	0.0	58.9
1982-83	0.0	0.0	6.9	3.4	5.5	19.6	1.5	4.1	5.7	10.7	8.8	0.0	66.2
1983-84	0.0	0.0	3.3	0.0	12.3	17.6	12.4	7.7	20.5	25.6	5.4	0.0	104.8
1984-85	0.0	0.0	21.0	2.5	8.3	7.7	16.3	5.6	7.8	8.2	0.0	0.0	77.4
1985-86	0.0	0.0	5.2	1.8	13.7	6.3	2.9	23.5	11.3	3.5	5.5	0.0	73.7
1986-87	0.0	0.0	0.0	2.0	20.4	2.1	9.2	12.7	19.4	1.4	4.1	0.0	71.3
1987-88	0.0	0.0	0.0	4.2	3.4	6.0	11.6	12.1	10.4	16.1	0.8	0.0	64.6
1988-89	0.0	0.0	0.1	1.0	7.3	12.1	6.7	11.5	23.5	15.4	0.0	T	77.6
1989-90	0.0	0.0	T	17.5	7.7	43.5	6.0	16.4	12.8	10.7	2.2	T	116.8
1990-91	0.0	0.0	0.0	9.5	9.1	9.3	16.0	5.3	12.7	31.2	1.8	0.0	94.9
1991-92	0.0	0.0	0.0	10.0	22.1	7.2	3.1	0.4	5.8	1.3	0.3	T	50.2
1992-93	T	0.0	0.0	8.2	12.9	21.2	6.3	5.2	9.2	9.0	T	T	72.0
1993-94	T	0.0	T	14.7	7.5	6.3	32.8	17.8	12.9	13.9	0.0	T	105.9
1994-95	0.0	0.0	0.0	T	6.7	2.7	7.0	13.3	2.6	4.6	3.1	0.0	40.0
1995-96	T	0.0	3.2	10.1	6.8	4.0	9.0	3.3	18.7	1.6	T	T	56.7
1996-97	0.0	0.0	0.5	9.6	14.1	19.5		4.1	5.7	20.0	T		
1997-98				5.4	1.9	20.6	21.8	7.2	14.0	3.1	0.1	0.3	
1998-99						5.1		2.2			T	0.0	
1999-00	0.0	0.0	T	1.0	T	7.2	21.1	11.9	3.8	0.9	T	T	45.9
2000-01	T	0.0	9.5	1.5	3.3	19.6	5.7	16.6	4.9	3.9	T	0.0	65.0
2001-02	0.0						3.3						
2002-03													
2003-04													
2004-05													
2005-													
POR= 51 YRS	T	0.0	1.5	4.7	8.5	11.3	11.4	10.6	12.6	10.6	1.7	0.1	73.0

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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.
ASOS INDICATES AUTOMATED SURFACE OBSERVING SYSTEM.
PM INDICATES THE LAST DAY OF THE PREVIOUS MONTH.
POR (PERIOD OF RECORD) BEGINS WITH THE JANUARY DATA MONTH AND IS THE NUMBER OF YEARS USED TO COMPUTE THE MEAN. INDIVIDUAL MONTHS WITHIN THE POR MAY BE MISSING.
WHEN THE POR FOR A NORMAL IS LESS THAN 30 YEARS, THE NORMAL IS PROVISIONAL AND IS BASED ON THE NUMBER OF YEARS INDICATED.
0.* OR * INDICATES THE VALUE OR MEAN-DAYS-WITH IS BETWEEN 0.00 AND 0.05.
CLOUDINESS FOR ASOS STATIONS DIFFERS FROM THE NON-ASOS OBSERVATION TAKEN BY A HUMAN OBSERVER. ASOS STATION CLOUDINESS IS BASED ON TIME-AVERAGED CEILOMETER DATA FOR CLOUDS AT OR BELOW 12,000 FEET
CLEAR INDICATES 0 - 2 OKTAS, PARTLY CLOUDY INDICATES 3 - 6 OKTAS, AND CLOUDY INDICATES 7 OR 8 OKTAS.
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 SATION HISTORY INFORMATION GO TO "Historical Observing Metadata Repository", URL IS:
http://www.ncdc.noaa.gov/homr/
SNOWFALL STOPPED MONTH & YEAR INDICATED ABOVE. NO FURTHER YEARS INCLUDED UNLESS RESTARTED.

NOTE:

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

The 2012 Annual Publications were reproduced on 6/05/13 to correct two problems that occurred when the Publications were first produced on 02/28/13.

1) A small number of stations did not correctly show number of days with thunderstorms and heavy fog.
2) Climate Normals in the Annual Publications were based on a first edition of the 1981-2010 Normals release. With the release of Service Pack 1 (SP1) new normals for 83 stations are available and now included. Additional information on SP1 is available at: http://www1.ncdc.noaa.gov/pub/data/normals/1981-2010/status.txt.

2012
SHERIDAN
WYOMING (KSHR)

Sheridan is located east of the Rocky Mountains at an elevation of a little less than 4,000 feet. To the northwest, east, and southeast are rolling hills, but to the southwest and west the Bighorn Mountains rise abruptly, oriented generally northwest-southeast. The foothills are only about l5 miles from Sheridan, and within 30 miles to the southwest the average elevation is near l0,000 feet, with Cloud Peak rising to l3,l75 feet. This mountain range has a marked effect on the climate at Sheridan.

During the winter months, a few days after the outbreak of cold arctic air from Canada, the winds generally shift to the west or southwest and increase in velocity. These downslope winds produce a pronounced warming or Chinook. At other times, a gentle downslope flow will persist for several days and result in a prolonged period of mild weather. The Chinook is very effective in moderating the weather of the winter season, which otherwise would be more severe. On the other hand, winds from the east or northeast blowing toward the mountains are upslope and usually cause cooling, persistent low clouds, and often heavy precipitation. The upslope precipitation occurs at times all through the year, but most frequently during the winter and spring. Sheridan will often receive much heavier snow or rain with an easterly wind condition than the surrounding country farther away from the mountains. In the summer, the mountains act as a breeding ground for thunderstorms that frequently move away from the mountains toward the northeast and give afternoon or evening showers to Sheridan. Because of the close proximity to the Bighorn Mountains, the annual precipitation at Sheridan is greater, on the average, than in the neighboring area to the east and north.

Based on the 1951-1980 period, the average first occurrence of 32 degrees Fahrenheit in the fall is September 20 and the average last occurrence in the spring is May 20. Because of the short growing season and cold periods during winter, only the most hardy fruits can be grown successfully, but most varieties of vegetables will reach maturity.

The climate of Sheridan can be described generally as semi-arid with long cold winters and short hot summers. However, during all of the winter months, more than 50 percent of the possible sunshine is received, while the hot days in the summer are marked by very low humidity and nights are cool. There are few summer nights when the temperature remains above 60 degrees. During July, the warmest month, even though temperatures of 90 degrees or above occur frequently, the nights are cool. January is usually the coldest month. The cold weather comes from outbreaks of Canadian air moving southeastward down the east side of the Rockies, and the initial onslaught of arctic air is usually accompanied by strong northerly winds with drifting snow. The coldest nights, however, come after the skies have cleared and the wind becomes very light.

The yearly precipitation pattern for Sheridan is heavy in the spring and early summer. The three winter months constitute the period with the least moisture. Amounts of snowfall are quite generous during the winter, but the water content of the snow is usually low. This dry snow is ordinarily not injurious to livestock and does not result in serious inconvenience or discomfort to the public. During the spring months of March and April, however, precipitation often begins as rain, gradually turning to rain and snow mixed or to heavy wet snow. These snowstorms are frequently accompanied by strong winds and drifting. As a result, these two months are considered to have the most disagreeable weather of the year and are most likely to cause livestock loss. March has more snow than any other month.

Station History

SHERIDAN, WY

NAME	Begin Date	End Date	Latitude	Longitude	Elevation Feet	Relocation	Platform
SHERIDAN COUNTY AP	1996-12-01	2005-02-17	44° 46'	-106° 58'	3945		ASOS,COOP
SHERIDAN COUNTY AP	1947-12-01	1964-10-01	44° 46'	-106° 58'	3942		AIRWAYS,COOP
SHERIDAN COUNTY AP	1973-01-01	1981-12-31	44° 46'	-106° 58'	3964		COOP,WXSVC
SHERIDAN COUNTY AP	1981-12-31	1996-11-01	44° 46'	-106° 58'	3964		COOP
SHERIDAN COUNTY AP	1939-01-01	1943-01-01	44° 46'	-106° 58'			AIRWAYS
SHERIDAN COUNTY AP	1996-11-01	1996-12-01	44° 46'	-106° 58'	3964		COOP
SHERIDAN COUNTY AP	2005-02-17	Present	44° 46'	-106° 58'	3945		ASOS,COOP
SHERIDAN COUNTY AP	1943-01-01	1947-12-01	44° 46'	-106° 58'	3963		AIRWAYS
SHERIDAN COUNTY AP	1964-10-01	1973-01-01	44° 46'	-106° 58'	3964		AIRWAYS,COOP

Element History

Element	Begin Date	End Date	Frequency	Time Of Observation	Equipment *	Equipment * Modifications	Equipment Exposure
PRECIP	1995-12-01	1996-11-01	HOURLY	2400	UNIV	RCRD	
PRECIP	1995-12-01	1996-11-01	DAILY	2400			
PRECIP	1996-12-01	2001-10-23	HOURLY	2400	TB	RCRD	
PRECIP	1982-01-01	1995-12-01	DAILY	2400	UNIV	RCRD	
PRECIP	1996-12-01	2001-10-23	DAILY	2400			
PRECIP	1982-01-01	1995-12-01	HOURLY	2400	UNIV	RCRD	
TEMP	1996-12-01	2001-10-23	DAILY	2400	HYGR		
PRECIP	1934-07-01	1982-01-01	DAILY	2400	UNIV	RCRD	
TEMP	2001-10-23	2005-02-17	DAILY	2400	ATEMP		
TEMP	1995-12-01	1996-11-01	DAILY	2400	TG		
PRECIP	2005-02-17	Present	HOURLY	2400	AWPAG	RCRD;HTD	
TEMP	1934-07-01	1982-01-01	DAILY	2400	TG		
TEMP	1996-11-01	1996-12-01	DAILY	2400	MXMN		
PRECIP	1996-11-01	1996-12-01	DAILY	2400			
PRECIP	2001-10-23	2005-02-17	HOURLY	2400	TB	RCRD	
TEMP	2005-02-17	Present	DAILY	2400	ATEMP		
PRECIP	2005-02-17	Present	DAILY	2400	PCPNX		
TEMP	1982-01-01	1995-12-01	DAILY	2400	TG		
PRECIP	1996-11-01	1996-12-01	HOURLY	2400	UNIV	RCRD	
PRECIP	2001-10-23	2005-02-17	DAILY	2400	TB	RCRD	

* 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.orders@noaa.gov

NOAA/National Climatic Data Center
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151 Patton Avenue
Asheville, NC 28801-5001