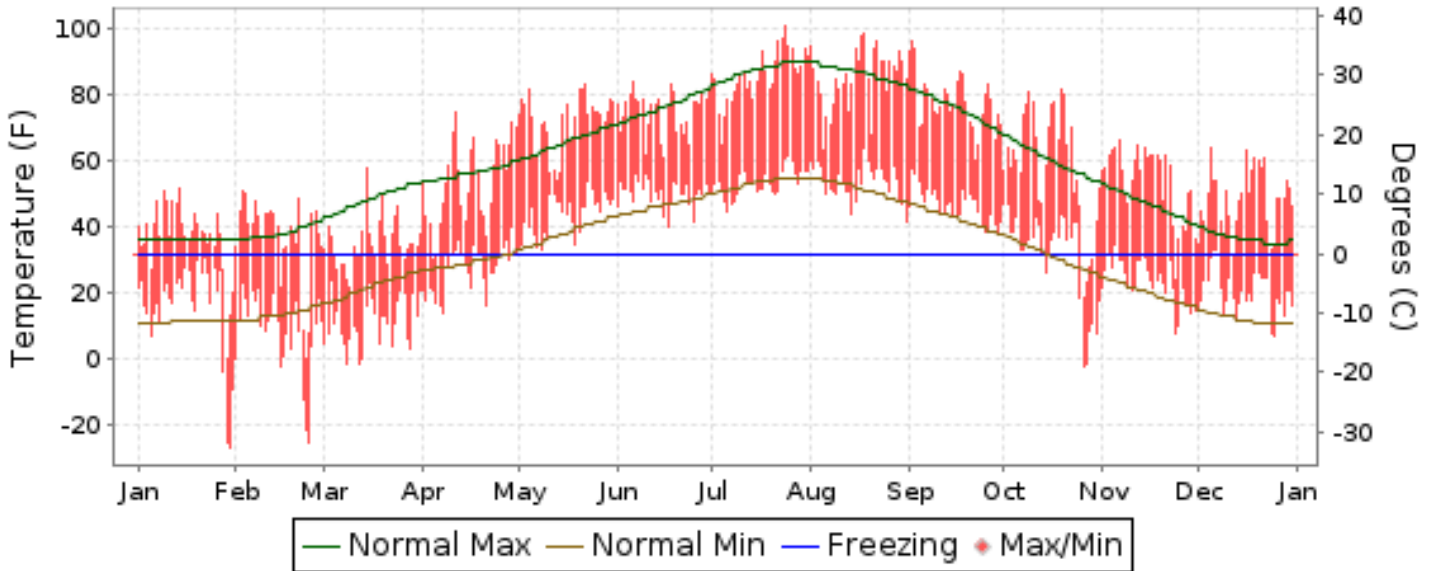


# 2023 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

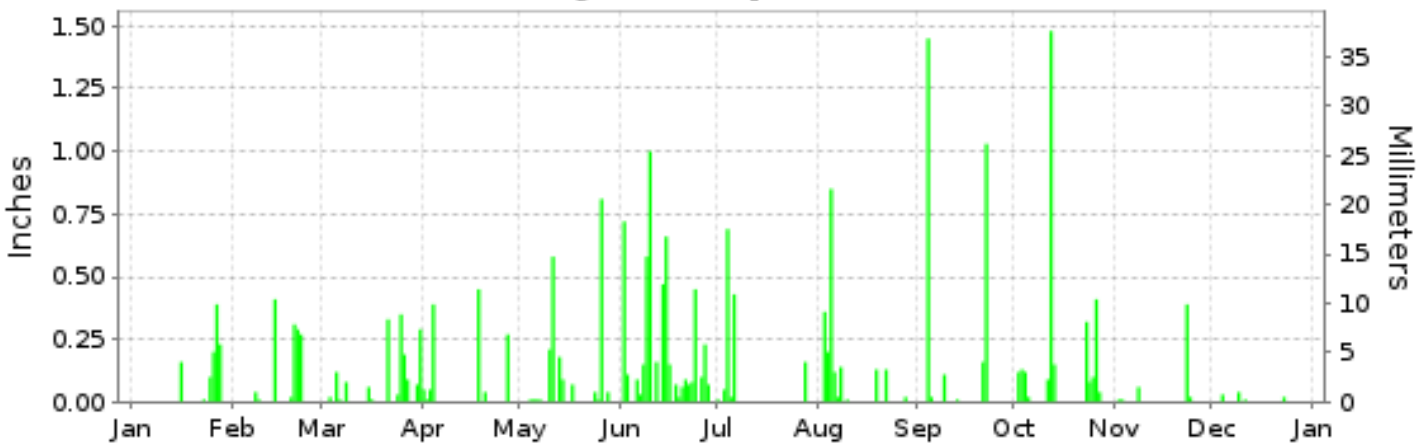
ISSN 0198-5825

## SHERIDAN, WYOMING (KSHR)

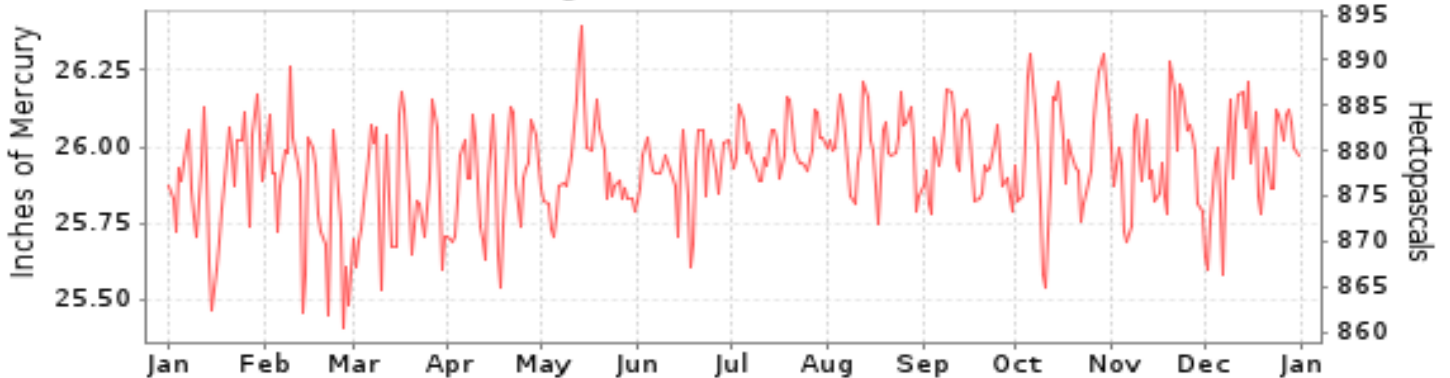
### Daily Max/Min Temperature



### Daily Precipitation



### Daily Station Pressure



I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, AND IS COMPILED FROM RECORDS ON FILE AT THE NATIONAL CLIMATIC DATA CENTER.

NATIONAL  
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ENVIRONMENTAL SATELLITE, DATA  
AND INFORMATION SERVICE

NATIONAL CENTERS for  
ENVIRONMENTAL INFORMATION (NCEI)  
ASHEVILLE, NORTH CAROLINA

DIRECTOR  
NCEI

# METEOROLOGICAL DATA FOR 2023

## SHERIDAN (KSHR)

LATITUDE: 44° 45'N      LONGITUDE: 106° 58'W      ELEVATION (FT): GRND: 3971.11 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	37.1	37.0	35.3	53.8	71.8	74.9	85.8	85.3	77.9	58.7	53.9	48.6	60.0	
	HIGHEST DAILY MAXIMUM	52	51	58	75	83	84	101	99	96	82	66	64	101	
	DATE OF OCCURRENCE	14	03	14	11	22	06	24	18	02	19	06	05	JUL 24	
	MEAN DAILY MINIMUM	16.3	8.7	11.3	27.5	43.9	50.3	53.4	53.9	46.9	31.6	23.5	20.4	32.3	
	LOWEST DAILY MINIMUM	-27	-25	-1	14	33	40	45	42	38	-2	8	7	-27	
	DATE OF OCCURRENCE	30	24	12+	07	08+	17	06	31	29	26	24	25	JAN 30	
	AVERAGE DRY BULB	26.7	22.9	23.3	40.7	57.8	62.6	69.6	69.6	62.4	45.2	38.7	34.5	46.2	
	MEAN WET BULB	23.2	19.6	21.1	34.1	50.1	56.3	59.4	58.7	53.0	39.0	32.3	28.3	39.6	
	MEAN DEW POINT	17.2	12.3	14.7	24.9	43.1	52.4	52.5	51.3	46.0	33.5	24.2	21.0	32.8	
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 90°	0	0	0	0	0	0	0	9	12	3	0	0	0	24
MAXIMUM <= 32°	5	4	11	2	0	0	0	0	0	0	4	1	1	28	
MINIMUM <= 32°	31	28	31	24	0	0	0	0	0	0	10	29	29	182	
MINIMUM <= 0°	4	5	3	0	0	0	0	0	0	0	2	0	0	14	
H/C	HEATING DEGREE DAYS	1177	1173	1285	721	216	77	16	19	104	604	781	937	7110	
	COOLING DEGREE DAYS	0	0	0	0	0	12	167	171	35	0	0	0	385	
RH	MEAN (PERCENT)	69	64	68	56	61	73	59	57	61	69	61	65	64	
	HOUR 05 LST	75	69	73	68	76	85	75	74	77	79	72	71	75	
	HOUR 11 LST	57	58	60	42	46	57	39	37	41	52	43	50	49	
	HOUR 17 LST	71	64	66	48	49	65	46	44	57	71	63	68	59	
	HOUR 23 LST	74	65	73	68	72	84	75	73	75	78	69	71	73	
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	3	5	7	1	0	0	0	0	0	1	1	1	19	
	THUNDERSTORMS	0	0	0	0	5	13	5	3	5	1	0	0	32	
PR	MEAN STATION PRESS. (IN.)	25.89	25.84	25.85	25.89	25.94	25.92	26.00	26.00	25.95	26.00	25.96	25.96	25.93	
	MEAN SEA-LEVEL PRESS. (IN.)	30.06	30.02	30.03	29.98	29.95	29.91	29.97	29.97	29.95	30.08	30.08	30.11	30.01	
WINDS	RESULTANT SPEED (MPH)	2.9	3.1	4.2	3.9	1.7	1.1	1.1	1.3	1.9	3.3	1.8	2.8	2.4	
	RES. DIR. (TENS OF DEGS.)	30	29	29	31	30	26	28	30	29	31	30	30	30	
	MEAN SPEED (MPH)	5.4	6.4	6.7	7.8	6.5	6.3	5.1	5.4	4.8	5.5	5.5	4.8	5.9	
	PREVAIL.DIR.(TENS OF DEGS.)	30	30	32	32	31	31	29	32	31	31	32	32	30	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	32	40	36	43	30	41	38	40	33	31	35	36	43	
	DIR. (TENS OF DEGS.)	29	27	32	33	31	32	21	33	31	32	34	32	33	
	DATE OF OCCURRENCE	27	21	10	01	09	18	27	30	28	17	05	03	APR 01	
	MAXIMUM 3-SECOND WIND:														
SPEED (MPH)	42	46	43	51	40	51	47	55	45	42	47	49	55		
DIR. (TENS OF DEGS.)	31	26	32	31	14	32	21	33	30	33	30	31	33		
DATE OF OCCURRENCE	26	21	10	01	04	18	27	30	28	17	16	23	AUG 30		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	1.09	1.35	1.65	1.26	2.07	5.36	1.36	1.98	2.78	3.06	0.49	0.10	22.55	
	GREATEST 24-HOUR (IN.)	0.52	0.41	0.37	0.45	0.81	1.57	0.74	1.05	1.47	1.55	0.40	0.04	1.57	
	DATE OF OCCURRENCE	27-28	14	24-25	18	26	09-10	03-04	04-05	04-05	11-12	23-24	09	JUN 09-10	
	NUMBER OF DAYS WITH:														
PRECIPITATION 0.01	6	7	13	7	13	21	6	10	6	12	5	4	110		
PRECIPITATION 0.10	5	4	5	3	4	12	3	7	4	8	1	0	56		
PRECIPITATION 1.00	0	0	0	0	0	1	0	0	2	1	0	0	4		
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° 45'N

**LONGITUDE:**  
106° 58'W

**ELEVATION (FT):**  
GRND: 3971.11 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	36.3	38.4	49.0	56.7	66.1	76.9	87.8	86.6	75.6	59.9	46.7	36.7	59.7
	MEAN DAILY MAXIMUM	76	34.5	37.9	46.6	56.7	66.4	76.7	87.1	85.9	74.5	61.1	46.2	36.5	59.2
	HIGHEST DAILY MAXIMUM	83	70	76	80	87	95	107	107	106	104	93	81	77	107
	YEAR OF OCCURRENCE		1974	1982	2015	1946	1960	2021	2021	1983	2022	2011	2020	2021	JUL 2021
	MEAN OF EXTREME MAXS.	76	57.8	59.1	68.8	78.6	85.4	93.9	99.9	98.7	93.6	82.8	69.7	60.5	79.1
	NORMAL DAILY MINIMUM	30	11.7	13.7	22.4	29.7	38.7	46.8	53.5	51.5	42.5	31.0	19.9	12.2	31.1
	MEAN DAILY MINIMUM	76	10.2	13.8	21.4	30.2	39.4	47.5	53.9	52.3	42.6	31.9	20.2	12.2	31.3
	LOWEST DAILY MINIMUM	83	-35	-32	-23	-2	13	27	35	30	6	-10	-25	-37	-37
	YEAR OF OCCURRENCE		1997	1989	1965	2020	1954	1951	1971	2015	1984	2020	1959	1983	DEC 1983
	MEAN OF EXTREME MINS.	76	-14.5	-10.3	-0.1	15.0	26.5	35.8	44.1	41.5	28.8	15.0	-1.2	-10.7	14.2
	NORMAL DRY BULB	30	24.0	26.0	35.7	43.2	52.4	61.8	70.7	69.1	59.1	45.4	33.3	24.5	45.4
	MEAN DRY BULB	76	22.3	25.9	34.0	43.4	52.9	62.2	70.5	69.1	58.6	46.5	33.3	24.4	45.3
	MEAN WET BULB	40	18.3	19.0	26.8	34.0	43.5	51.1	54.2	52.0	44.6	35.8	25.4	17.9	35.2
	MEAN DEW POINT	40	17.8	18.3	26.3	32.8	42.4	50.4	53.5	51.0	43.7	34.3	24.6	17.7	34.4
	NORMAL NO. DAYS WITH: MAXIMUM >= 90	30	0.0	0.0	0.0	0.0	0.3	3.1	14.3	13.3	3.4	0.1	0.0	0.0	34.5
	MAXIMUM <= 32	30	10.6	8.7	3.6	1.0	0.0	0.0	0.0	0.0	0.0	1.2	4.9	10.4	40.4
MINIMUM <= 32	30	30.4	27.2	26.7	18.0	5.7	0.2	0.0	0.1	2.2	16.6	27.0	30.6	184.7	
MINIMUM <= 0	30	5.8	4.7	1.4	0.1	0.0	0.0	0.0	0.0	0.0	0.3	1.8	4.7	18.8	
H/C	NORMAL HEATING DEG. DAYS	30	1271	1090	908	654	394	138	22	37	212	608	951	1257	7542
	NORMAL COOLING DEG. DAYS	30	0	0	0	0	4	43	197	162	34	2	0	0	442
RH	NORMAL (PERCENT)		69	66	64	60	61	61	52	49	54	61	67	68	61
	HOURLY 05 LST	30	72	72	75	75	78	79	74	71	72	73	74	72	74
	HOURLY 11 LST	30	64	60	54	49	49	47	38	36	41	49	58	63	51
	HOURLY 17 LST	30	67	60	51	45	47	46	35	32	37	48	63	66	50
	HOURLY 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)	60	1.3	1.8	1.7	1.0	0.3	0.2	0.1	0.1	0.2	0.9	1.0	1.4	10.0
	THUNDERSTORMS	76	0.0	0.0	0.1	0.7	3.8	8.1	8.3	6.4	2.4	0.4	0.0	0.0	30.2
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)	40	25.92	25.91	25.89	25.89	25.90	25.91	25.98	25.98	25.98	25.95	25.93	25.92	25.93
	MEAN SEA-LEVEL PRES. (IN)	40	30.11	30.09	30.01	29.96	29.93	29.90	29.94	29.94	29.99	30.02	30.07	30.10	30.01
WINDS	MEAN SPEED (MPH)	40	6.7	7.1	7.9	9.1	8.2	7.1	6.5	6.2	6.4	6.8	6.7	6.6	7.1
	PREVAIL.DIR.(TENS OF DEGS)	39	32	32	32	32	32	32	31	31	31	32	32	31	32
	MAXIMUM 2-MINUTE: SPEED (MPH)	27	53	62	58	61	60	51	59	58	53	48	59	55	62
	DIR. (TENS OF DEGS)		32	32	32	30	31	27	31	32	32	31	32	31	32
	YEAR OF OCCURRENCE		2021	2007	2004	2001	2001	2016	2007	2002	2011	2014	2015	2012	FEB 2007
	MAXIMUM 3-SECOND SPEED (MPH)	27	74	78	67	76	76	63	69	67	63	63	76	68	78
	DIR. (TENS OF DEGS)		24	31	30	31	31	21	31	30	31	33	31	32	31
YEAR OF OCCURRENCE		2007	2007	2011	2001	2001	2011	2018	2002	2011	2019	2015	2012	FEB 2007	
PRECIPITATION	NORMAL (IN)	30	0.61	0.65	1.02	1.87	2.68	1.98	1.07	0.71	1.47	1.57	0.76	0.54	14.93
	MAXIMUM MONTHLY (IN)	83	1.86	2.68	3.43	4.80	6.80	9.54	3.78	3.02	4.26	3.72	2.41	2.41	9.54
	YEAR OF OCCURRENCE		1994	1955	2017	1963	1978	1944	1958	1968	2013	2011	1991	1989	JUN 1944
	MINIMUM MONTHLY (IN)	83	0.03	0.05	0.14	0.18	0.22	0.28	0.02	T	T	0.02	0.04	0.10	0.02
	YEAR OF OCCURRENCE		2004	1992	1978	1980	2009	1971	1999	1970	2012	1965	2020	2023	JUL 1999
	MAXIMUM IN 24 HOURS (IN)	83	1.01	1.10	2.25	3.84	2.52	3.44	2.28	1.71	2.49	2.29	1.16	0.86	3.84
	YEAR OF OCCURRENCE		1972	1955	1946	1948	2005	1944	1948	1943	2016	2011	2016	1980	APR 1948
	NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01	30	7.5	8.1	9.7	10.8	12.3	10.2	7.6	6.3	6.6	8.8	7.3	7.1	102.3
PRECIPITATION >= 1.00	30	0.0	0.0	0.0	0.2	0.4	0.2	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) 2023 SHERIDAN (KSHR)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
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
2013	0.96	0.79	0.27	2.27	3.03	2.19	0.43	0.05	4.26	2.47	0.17	1.12	18.01
2014	0.64	1.21	1.69	1.54	1.73	2.20	1.01	1.05	1.63	0.16	1.49	0.74	15.09
2015	0.45	1.28	0.40	1.43	5.42	3.05	0.84	0.60	0.27	1.22	0.69	0.24	15.89
2016	0.56	0.89	1.59	3.36	1.06	0.39	0.22	1.44	3.71	1.45	1.28	1.00	16.95
2017	1.04	0.66	3.43	4.60	2.24	1.11	0.38	0.43	1.89	0.34	1.54	1.11	18.77
2018	0.63	1.53	1.50	1.83	3.57	1.43	1.21	1.30	1.21	1.69	0.83	0.32	17.05
2019	0.70	0.37	0.44	1.86	6.34	1.35	1.40	0.72	1.88	1.37	1.37	0.21	18.01
2020	0.38	1.38	0.55	1.14	0.74	1.73	0.06	0.53	1.37	2.62	0.04	0.28	10.82
2021	0.46	1.60	1.47	2.60	1.11	0.32	0.57	0.90	0.19	2.56	0.15	1.02	12.95
2022	0.28	0.88	0.83	2.51	3.16	1.48	0.37	0.55	2.24	1.04	1.11	1.03	15.48
2023	1.09	1.35	1.65	1.26	2.07	5.36	1.36	1.98	2.78	3.06	0.49	0.10	22.55
POR= 76 YRS	0.68	0.71	1.06	1.89	2.46	2.13	1.03	0.82	1.36	1.32	0.79	0.62	14.87

WBAN : 24029

**AVERAGE TEMPERATURE (°F) 2023 SHERIDAN (KSHR)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
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	28.2	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
2013	24.7	24.5	33.9	37.7	54.1	62.3	71.9	72.3	62.3	41.9	33.3	19.2	44.8
2014	26.6	16.5	32.9	43.8	53.6	58.9	70.1	67.5	58.1	50.3	28.2	25.0	44.3
2015	26.1	29.8	42.1	44.2	50.2	65.9	68.8	69.3	64.0	51.1	32.4	25.7	47.5
2016	27.0	36.8	39.9	46.5	52.6	68.3	72.2	68.6	59.7	48.6	39.7	15.4	47.9
2017	15.8	29.1	41.0	44.4	53.2	63.3	74.2	67.3	57.3	45.3	35.2	23.7	45.8
2018	24.9	13.3	32.4	41.2	57.5	62.3	71.2	67.5	57.4	44.0	33.0	28.0	44.4
2019	27.0	12.0	29.3	44.0	48.1	61.2	69.5	69.3	60.1	37.0	31.2	29.1	43.2
2020	28.1	24.6	36.4	39.7	53.0	64.7	72.1	72.1	61.0	41.4	38.1	32.1	46.9
2021	29.0	15.2	37.1	42.7	51.6	69.1	75.6	68.6	62.9	49.2	41.5	26.9	47.5
2022	27.8	24.8	36.5	39.1	50.7	62.3	73.9	73.6	64.4	48.7	25.9	18.4	45.5
2023	26.7	22.9	23.3	40.7	57.8	62.6	69.6	69.6	62.4	45.2	38.7	34.5	46.2
POR= 76 YRS	22.3	25.9	34.0	43.4	52.9	62.2	70.5	69.1	58.6	46.5	33.3	24.4	45.3

**HEATING DEGREE DAYS (base 65°F) 2023 SHERIDAN (KSHR)**

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
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
2012-13	0	19	131	624	910	1271	1240	1128	956	813	339	120	7551
2013-14	1	0	154	707	943	1415	1180	1350	989	628	355	182	7904
2014-15	9	41	230	449	1097	1229	1198	977	701	618	452	44	7045
2015-16	20	44	90	428	970	1213	1170	811	770	547	377	16	6456
2016-17	6	37	183	502	749	1528	1516	1001	735	611	355	78	7301
2017-18	0	24	276	603	887	1273	1235	1442	1004	704	229	106	7783
2018-19	9	47	237	644	953	1140	1173	1477	1100	623	514	138	8055
2019-20	18	16	193	858	1007	1105	1134	1163	880	750	380	70	7574
2020-21	1	23	159	723	799	1013	1111	1387	856	661	405	13	7151
2021-22	0	40	109	487	697	1174	1146	1118	875	769	437	123	6975
2022-23	0	4	104	495	1165	1440	1177	1173	1285	721	216	77	7857
2023-	16	19	104	604	781	937							

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**COOLING DEGREE DAYS (base 65°F) 2023 SHERIDAN (KSHR)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
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
2013	0	0	0	0	8	48	222	232	82	0	0	0	592
2014	0	0	0	0	8	8	175	127	28	0	0	0	346
2015	0	0	0	0	0	79	147	183	65	5	0	0	479
2016	0	0	0	0	2	123	238	156	30	0	0	0	549
2017	0	0	0	0	0	34	291	104	52	0	0	0	481
2018	0	0	0	0	5	36	208	135	15	0	0	0	399
2019	0	0	0	0	0	31	163	157	52	0	0	0	403
2020	0	0	0	0	14	70	229	251	48	0	0	0	612
2021	0	0	0	0	0	143	335	159	53	3	0	0	693
2022	0	0	0	0	0	48	282	279	93	0	0	0	702
2023	0	0	0	0	0	12	167	171	35	0	0	0	385

## SNOWFALL (inches) 2023 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

WBAN : 24029

### 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 EIGHTHS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER.

STATION HISTORY STOPPED WITH THE 2009 ANNUAL. IF YOU NEED STATION 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.

# 2023

## 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 15 miles from Sheridan, and within 30 miles to the southwest the average elevation is near 10,000 feet, with Cloud Peak rising to 13,175 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	1939-01-01	1943-01-01	44° 46'	-106° 58'			AIRWAYS
SHERIDAN COUNTY AP	1943-01-01	1947-12-01	44° 46'	-106° 58'	3963		AIRWAYS
SHERIDAN COUNTY AP	1947-12-01	1964-10-01	44° 46'	-106° 58'	3942		AIRWAYS, COOP
SHERIDAN COUNTY AP	1964-10-01	1973-01-01	44° 46'	-106° 58'	3964		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	1996-11-01	1996-12-01	44° 46'	-106° 58'	3964		COOP
SHERIDAN COUNTY AP	1996-12-01	2005-02-17	44° 46'	-106° 58'	3945		ASOS, COOP
SHERIDAN COUNTY AP	2005-02-17	2014-11-23	44° 46'	-106° 58'	3945		ASOS, COOP
SHERIDAN AP	2014-11-23	2016-12-19	44° 46'	-106° 58'	3945		ASOS, COOP
SHERIDAN AIRPORT	2016-12-19	2017-10-01	44° 46'	-106° 58'	3945		ASOS, COOP
SHERIDAN AIRPORT	2017-10-01	2021-11-22	44° 46'	-106° 58'	3945		ASOS, COOP, PLCD
SHERIDAN AIRPORT	2021-11-22	Present	44° 45'	-106° 58'	3971.11		ASOS, COOP, PLCD

# Element History

Element	Begin Date	End Date	Frequency	Time Of Observation	Equipment *	Equipment * Modifications	Equipment Exposure
PRECIP	1934-07-01	1982-01-01	DAILY	2400	UNIV	RCRD	
TEMP	1934-07-01	1982-01-01	DAILY	2400	TG		
PRECIP	1982-01-01	1995-12-01	HOURLY	2400	UNIV	RCRD	
PRECIP	1982-01-01	1995-12-01	DAILY	2400	UNIV	RCRD	
TEMP	1982-01-01	1995-12-01	DAILY	2400	TG		
PRECIP	1995-12-01	1996-11-01	HOURLY	2400	UNIV	RCRD	
PRECIP	1995-12-01	1996-11-01	DAILY	2400			
TEMP	1995-12-01	1996-11-01	DAILY	2400	TG		
PRECIP	1996-11-01	1996-12-01	HOURLY	2400	UNIV	RCRD	
PRECIP	1996-11-01	1996-12-01	DAILY	2400			
TEMP	1996-11-01	1996-12-01	DAILY	2400	MXMN		
PRECIP	1996-12-01	2001-10-23	HOURLY	2400	TB	RCRD	
PRECIP	1996-12-01	2001-10-23	DAILY	2400			
TEMP	1996-12-01	2001-10-23	DAILY	2400	HYGR		
WIND	1996-12-01	2001-10-23	HOURLY	UNKN	ANEMCUP		
PRECIP	2001-10-23	2005-02-17	HOURLY	2400	TB	RCRD	
PRECIP	2001-10-23	2005-02-17	DAILY	2400	TB	RCRD	
TEMP	2001-10-23	2005-02-17	DAILY	2400	ATEMP		
WIND	2001-10-23	2005-02-17	HOURLY	UNKN	ANEMCUP		
PRECIP	2005-02-17	2006-08-30	HOURLY	2400	AWPAG	RCRD;HTD	
PRECIP	2005-02-17	2006-08-30	DAILY	2400	PCPNX		
TEMP	2005-02-17	2006-08-30	DAILY	2400	ATEMP		
WIND	2005-02-17	2006-08-30	HOURLY	UNKN	ANEMCUP		
PRECIP	2006-08-30	2016-12-19	HOURLY	2400	AWPAG	RCRD;HTD	
PRECIP	2006-08-30	2016-12-19	DAILY	2400	PCPNX		
TEMP	2006-08-30	2016-12-19	DAILY	2400	ATEMP		
WIND	2006-08-30	2016-12-19	HOURLY	UNKN	ANEMSONIC		
PRECIP	2016-12-19	Present	HOURLY	2400	AWPAG	SHLD;RCRD;HTD	
PRECIP	2016-12-19	Present	DAILY	2400	AWPAG	SHLD;RCRD;HTD	
TEMP	2016-12-19	Present	DAILY	2400	ATEMP		
WIND	2016-12-19	Present	HOURLY	UNKN	ANEMSONIC		

\* For explanation of codes and abbreviations 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>

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