

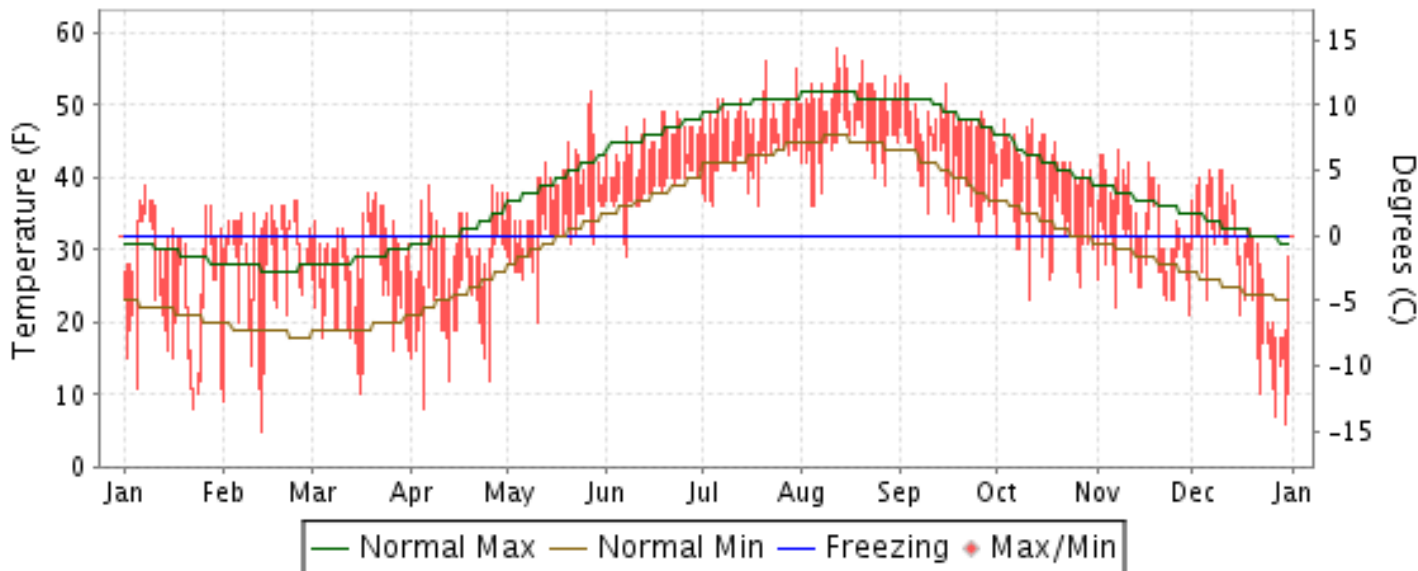


# 2011 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

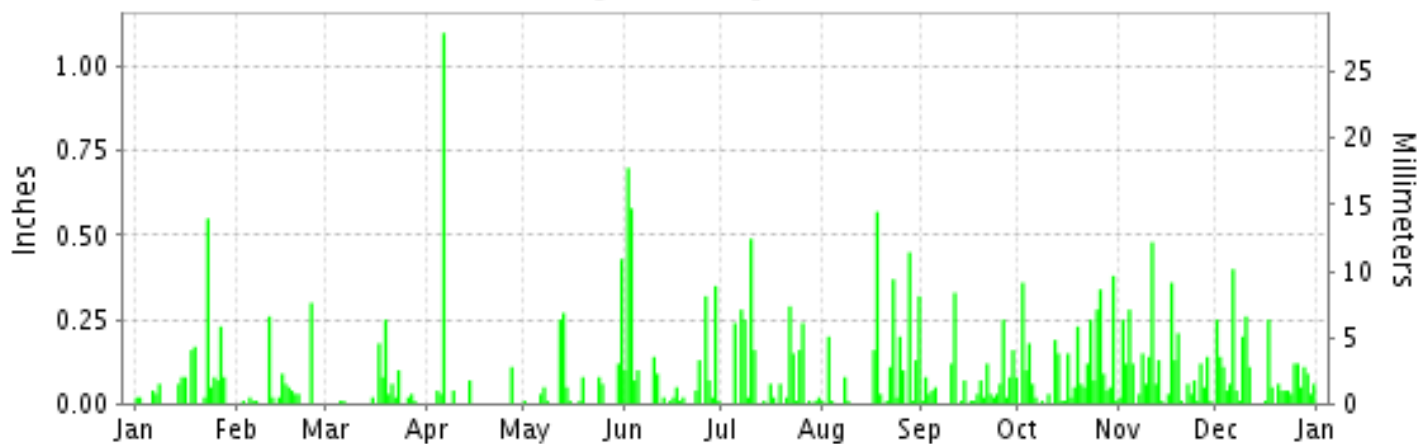
ISSN 0198-0513

## ST PAUL ISLAND, ALASKA (PASN)

### 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  
OCEANIC AND  
ATMOSPHERIC ADMINISTRATION

NATIONAL  
ENVIRONMENTAL SATELLITE, DATA  
AND INFORMATION SERVICE

NATIONAL  
CLIMATIC DATA CENTER  
ASHEVILLE, NORTH CAROLINA

*Thomas R. Karl*  
DIRECTOR  
NATIONAL CLIMATIC DATA CENTER

# METEOROLOGICAL DATA FOR 2011

## ST PAUL ISLAND (PASN)

LATITUDE: 57° 9'N      LONGITUDE: -170° 13'W      ELEVATION (FT): GRND: 35 BARO: 27      TIME ZONE: ALASKA (UTC -9)      WBAN: 25713

ELEMENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	29.9	32.9	31.5	31.5	39.5	45.0	49.0	52.2	48.5	43.3	36.1	31.3	39.2	
	HIGHEST DAILY MAXIMUM	39	37	38	39	52	49	56	58	54	48	44	41	58	
	DATE OF OCCURRENCE	08	24+	21+	26+	27	23+	21	12	01	12+	08	10+	AUG 12	
	MEAN DAILY MINIMUM	21.6	24.4	22.5	21.9	31.4	38.0	41.7	44.0	39.9	33.3	28.6	23.5	30.9	
	LOWEST DAILY MINIMUM	8	5	10	8	20	29	36	36	32	23	21	6	5	
	DATE OF OCCURRENCE	23	13	16	05	10	07	18	05+	25	11	30	30	FEB 13	
	AVERAGE DRY BULB	25.8	28.7	27.0	26.7	35.5	41.5	45.4	48.1	44.2	38.3	32.4	27.4	35.1	
	MEAN WET BULB	25.3		26.3	25.2	34.0	40.2	44.1	47.1	42.9	37.4	30.9	27.0		
	MEAN DEW POINT	22.8		23.4	22.0	32.8	38.9	43.4	46.1	41.0	35.2	27.3	23.6		
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 70	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	MAXIMUM <= 32°	20	9	19	17	2	0	0	0	0	0	10	11	88	
	MINIMUM <= 32°	26	25	30	30	20	2	0	0	1	16	22	27	199	
MINIMUM <= 0°	0	0	0	0	0	0	0	0	0	0	0	0	0		
H/C	HEATING DEGREE DAYS	1209	1009	1171	1145	909	699	602	516	618	819	969	1157	10823	
	COOLING DEGREE DAYS	0	0	0	0	0	0	0	0	0	0	0	0	0	
RH	MEAN (PERCENT)	87	87	84	83	93	93	95	94	89	87	81	82	88	
	HOUR 03 LST	87	88	86	87	97	96	99	98	92	91	79	84	90	
	HOUR 09 LST	87	88	86	86	96	96	97	96	92	90	82	83	90	
	HOUR 15 LST	86	85	81	78	86	88	90	90	84	81	80	80	84	
	HOUR 21 LST	87	86	84	82	92	92	95	95	90	87	83	84	88	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	4	2	2	3	8	6	15	14	3	0	0	0	57	
	THUNDERSTORMS	0	0	0	0	0	0	0	0	0	0	0	0	0	
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.)	29.46	30.06	28.83	29.73	29.70	29.69	29.79	29.76	29.55	29.51	29.63	29.35	29.59	
	MEAN SEA-LEVEL PRESS. (IN.)	29.50	30.08	29.67	29.83	29.76	29.73	29.83	29.79	29.58	29.55	29.68	29.38	29.70	
WINDS	RESULTANT SPEED (MPH)	9.6		7.2	7.5	7.9	0.8	6.4	4.3	7.9	0.6	1.6	3.6		
	RES. DIR. (TENS OF DEGS.)	08		06	01	05	16	24	25	32	01	07	24		
	MEAN SPEED (MPH)	21.3	17.6	13.7	17.7	14.1	12.7	11.1	11.4	15.9	13.3	20.4	21.0	15.9	
	PREVAIL.DIR.(TENS OF DEGS.)	05	09	07	05	06	06	06	26	31	34	04	24	06	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	55	45	40	56	36	32	33	30	40	40	56	60	60	
	DIR. (TENS OF DEGS.)	03	17	07	21	19	29	20	21	34	01	16	16	16	
	DATE OF OCCURRENCE	23	23	19	07	31	28	05	31	06	26	08	03	DEC 03	
	MAXIMUM 3-SECOND WIND:														
SPEED (MPH)	100	54	49	67	46	40	41	37	49	49	70	74	100		
DIR. (TENS OF DEGS.)	03	16	13	21	18	29	20	21	15	01	27	18	03		
DATE OF OCCURRENCE	23	23	17	07	31	28	05	31	11	26	05	03	JAN 23		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	1.80	0.95	0.82	1.39	1.46	2.85	2.50	2.79	1.73	3.31	3.08	2.72	25.40	
	GREATEST 24-HOUR (IN.)	0.55	0.30	0.28	1.13	0.47	0.71	0.65	0.63	0.33	0.61	0.59	0.45	1.13	
	DATE OF OCCURRENCE	23	24	19-20	05-06	30-31	01-02	10-11	17-18	11	25-26	10-11	05-06	APR 05-06	
	NUMBER OF DAYS WITH:														
	PRECIPITATION 0.01	17	14	13	6	14	20	19	18	24	27	26	26	224	
PRECIPITATION 0.10	4	2	3	2	4	8	9	10	5	12	13	11	83		
PRECIPITATION 1.00	0	0	0	1	0	0	0	0	0	0	0	0	1		
SNOWFALL	SNOW,ICE PELLETS,HAIL														
	TOTAL (IN.)	19.9	8.1	2.9	6.1	1.1	0.0	0.0	0.0	T	0.1	8.1	14.6	60.9	
	GREATEST 24-HOUR (IN.)	7.5	4.8	0.9	3.3	0.5	0.0	0.0	0.0	T	0.1	1.4	2.5	7.5	
	DATE OF OCCURRENCE	23	11	19	06	07				25	29	28	17	JAN 23	
	MAXIMUM SNOW DEPTH (IN.)	12	11	1	1	T	0	0	0	0	0	4	10	12	
	DATE OF OCCURRENCE	27	13	20+	15+	17+						29	31+	JAN 27	
	NUMBER OF DAYS WITH:														
SNOWFALL >= 1.0	7	2	0	2	0	0	0	0	0	0	2	5	18		

# NORMALS, MEANS, AND EXTREMES ST PAUL ISLAND (PASN)

**LATITUDE:** 57° 9'N      **LONGITUDE:** -170° 13'W      **ELEVATION (FT):** GRND: 35 BARO: 27      **TIME ZONE:** ALASKA (UTC -9)      **WBAN: 25713**

	ELEMENT	POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
<b>TEMPERATURE °F</b>	NORMAL DAILY MAXIMUM	30	29.8	27.6	28.8	32.8	39.8	46.2	50.3	51.6	49.2	42.5	37.1	32.9	39.1
	MEAN DAILY MAXIMUM	65	29.5	27.4	28.9	32.7	39.4	45.6	50.0	51.4	48.9	42.2	36.9	32.5	38.8
	HIGHEST DAILY MAXIMUM	94	48	44	50	49	59	62	65	66	61	54	50	52	66
	YEAR OF OCCURRENCE		1916	1917	1980	1993	1997	2000	2008	1987	1979	1916	1915	1936	AUG 1987
	MEAN OF EXTREME MAXS.	65	38.8	37.2	37.7	40.1	46.8	52.9	56.7	56.3	53.3	48.4	43.2	40.2	46.0
	NORMAL DAILY MINIMUM	30	21.5	18.9	19.5	24.0	31.5	37.6	43.0	45.1	40.7	34.1	29.1	24.7	30.8
	MEAN DAILY MINIMUM	65	21.5	18.8	19.7	24.3	31.3	37.2	42.7	44.8	40.8	33.9	29.2	24.4	30.7
	LOWEST DAILY MINIMUM	94	-26	-16	-19	-8	8	16	28	29	22	12	4	-5	-26
	YEAR OF OCCURRENCE		1919	1991	1971	1976	1971	1985	1961	1981	1992	1983	2008	1916	JAN 1919
	MEAN OF EXTREME MINS.	65	4.3	1.4	2.1	9.3	22.8	29.6	35.9	37.3	30.3	23.4	16.5	8.7	18.5
	NORMAL DRY BULB	30	25.7	23.3	24.2	28.4	35.7	41.9	46.7	48.4	45.0	38.3	33.1	28.8	35.0
	MEAN DRY BULB	65	25.5	23.1	24.3	28.5	35.3	41.5	46.3	48.1	44.8	38.1	33.1	28.5	34.8
	MEAN WET BULB	27	23.8	22.9	23.1	27.4	34.0	40.5	45.6	47.5	43.9	36.7	31.2	27.2	33.7
	MEAN DEW POINT	27	21.8	20.5	21.4	25.6	32.5	39.4	44.9	46.8	42.6	34.6	29.0	25.3	32.0
	NORMAL NO. DAYS WITH: MAXIMUM >= 70	30	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
	MAXIMUM <= 32	30	15.9	15.9	17.5	11.9	2.2	0.0	0.0	0.0	0.0	0.6	5.0	11.4	80.4
MINIMUM <= 32	30	25.5	25.3	28.4	25.9	17.1	3.3	0.3	0.1	2.6	11.8	19.3	23.5	183.1	
MINIMUM <= 0	30	1.1	2.8	2.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	6.7	
<b>H/C</b>	NORMAL HEATING DEG. DAYS	30	1220	1174	1250	1097	911	693	569	518	603	828	957	1122	10942
	NORMAL COOLING DEG. DAYS	30	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>RH</b>	NORMAL (PERCENT)	30					87	90	93	93	88	82	82		
	HOUR 03 LST	30					90	95	96	95	90	84	82		88
	HOUR 09 LST	30					89	92	95	95	89	84	82		88
	HOUR 15 LST	30					81	83	88	89	83	78	79		83
	HOUR 21 LST	30					87	89	93	93	89	83	82		
<b>S</b>	PERCENT POSSIBLE SUNSHINE														
<b>W/O</b>	MEAN NO. DAYS WITH: HEAVY FOG(VISBY <= 1/4 MI)	47	2.3	2.7	3.8	3.6	6.9	10.8	13.2	11.8	3.3	1.0	1.1	2.0	62.5
	THUNDERSTORMS	59	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
<b>CLOUDINESS</b>	MEAN: SUNRISE-SUNSET (OKTAS)	62	6.6	6.4	6.3	6.6	7.1	7.3	7.5	7.4	7.0	6.8	6.7	6.9	6.9
	MIDNIGHT-MIDNIGHT (OKTAS)	24	6.3	6.1	6.1	6.5	7.0	7.3	7.7	7.6	7.0	6.8	6.7	6.8	6.8
	MEAN NO. DAYS WITH: CLEAR	66	2.3	2.6	3.2	2.2	1.1	1.1	0.6	0.7	0.7	0.7	1.2	1.5	17.9
	PARTLY CLOUDY	66	5.6	5.9	7.2	5.8	3.8	3.0	2.2	2.6	5.3	7.2	6.3	5.3	60.2
	CLOUDY	66	23.1	19.8	20.6	22.0	26.1	25.8	27.7	27.2	23.6	22.7	22.1	23.8	284.5
<b>PR</b>	MEAN STATION PRESSURE(IN)	28	29.49	29.59	29.67	29.74	29.81	29.83	29.89	29.83	29.69	29.64	29.57	29.43	29.68
	MEAN SEA-LEVEL PRES. (IN)	28	29.57	29.64	29.74	29.77	29.84	29.86	29.92	29.86	29.72	29.67	29.62	29.50	29.73
<b>WINDS</b>	MEAN SPEED (MPH)	28	18.7	18.6	16.8	16.2	14.1	12.6	11.4	12.3	14.8	16.0	17.7	17.9	15.6
	PREVAIL.DIR(TENS OF DEGS)	25	02	06	01	36	35	05	26	24	35	36	36	02	02
	MAXIMUM 2-MINUTE: SPEED (MPH)	15	63	72	55	56	45	40	37	52	48	59	58	60	72
	DIR. (TENS OF DEGS)		10	26	27	21	20	31	01	25	19	27	09	16	26
	YEAR OF OCCURRENCE		2000	2009	1998	2011	1997	2008	2003	2000	2005	2005	2000	2011	FEB 2009
	MAXIMUM 3-SECOND SPEED (MPH)	15	100	91	64	68	54	53	47	61	58	71	70	74	100
	DIR. (TENS OF DEGS)		03	27	27	25	19	31	13	26	20	28	27	18	03
YEAR OF OCCURRENCE		2011	2009	1998	2001	1997	2008	2009	2000	2005	2005	2011	2011	JAN 2011	
<b>PRECIPITATION</b>	NORMAL (IN)	30	1.74	1.25	1.12	1.12	1.21	1.41	1.91	2.96	2.79	2.70	2.87	2.13	23.21
	MAXIMUM MONTHLY (IN)	89	8.26	5.69	3.28	3.21	3.11	3.59	5.85	9.32	6.02	6.21	5.40	4.50	9.32
	YEAR OF OCCURRENCE		1997	1964	1973	1979	1931	1958	1950	1953	1924	1987	1993	2000	AUG 1953
	MINIMUM MONTHLY (IN)	89	0.23	0.02	0.08	0.08	0.13	0.01	0.32	0.17	0.62	0.96	0.67	0.08	0.01
	YEAR OF OCCURRENCE		2010	1984	1960	1992	2001	1995	1931	1977	1977	1977	1939	1933	JUN 1995
	MAXIMUM IN 24 HOURS (IN)	89	7.59	1.51	1.26	2.09	1.27	1.48	1.92	2.00	1.74	1.93	1.76	1.15	7.59
	YEAR OF OCCURRENCE		1997	1932	1973	2008	1931	1949	1950	1984	1993	1949	1925	1930	JAN 1997
	NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01	30	18.6	14.6	16.0	13.9	14.3	12.7	14.7	17.7	18.8	20.9	22.5	21.1	205.8
PRECIPITATION >= 1.00	30	0.1	0.0	*	*	0.0	*	0.1	0.3	0.3	0.1	0.1	0.0	1.0	
<b>SNOWFALL</b>	NORMAL (IN)	30	10.0	9.5	10.0	6.1	1.6	0.1	0.0	0.0	0.*	2.2	7.6	9.2	56.3
	MAXIMUM MONTHLY (IN)	86	50.6	55.8	31.4	19.1	12.7	2.0	T	0.0	1.0	14.0	27.3	33.9	55.8
	YEAR OF OCCURRENCE		2002	1964	1973	1928	1971	1927	2008		1965	1948	1964	2006	FEB 1964
	MAXIMUM IN 24 HOURS (IN)	85	17.7	13.6	12.4	10.0	4.0	2.0	T	0.0	1.0	10.9	13.4	11.4	17.7
	YEAR OF OCCURRENCE		2002	1964	1973	1966	1935	1927	2008		1965	1978	1964	2001	JAN 2002
	MAXIMUM SNOW DEPTH (IN)	60	25	37	50	32	18	2	0	0	T	11	18	26	50
	YEAR OF OCCURRENCE		2007	2000	1949	2000	1971	1975			2010	1978	1964	2006	MAR 1949
NORMAL NO. DAYS WITH: SNOWFALL >= 1.0	30	3.5	3.1	2.7	1.9	0.3	0.0	0.0	0.0	0.0	0.3	2.4	3.0	17.2	

**PRECIPITATION (inches) 2011 ST PAUL ISLAND (PASN)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1982	0.95	0.38	1.47	0.65	1.40	1.08	1.82	1.64	2.31	1.99	3.01	2.17	18.87
1983	0.28	1.09	0.14	2.43	1.08	0.55	2.39	3.44	2.34	2.22	3.32	3.98	23.26
1984	1.22	0.02	0.31	0.48	0.82	0.85	0.91	4.09	2.93	1.76	3.77	3.54	20.70
1985	2.86	0.84	1.56	1.23	2.04	1.91	1.04	2.27	3.75	4.22	4.56	2.41	28.69
1986	1.11	0.39	0.09	0.83	1.17	1.23	3.25	5.50	4.81	2.45	3.61	3.19	27.63
1987	3.36	1.99	2.02	1.53	1.47	2.94	3.13	3.46	4.69	6.21	1.24	3.28	35.32
1988	1.38	1.40	0.28	1.32	1.74	1.73	0.36	3.93	2.59	2.58	3.53	3.37	24.21
1989	2.12	2.56	0.53	2.33	1.91	0.95	2.00	1.81	3.61	2.94	3.92	1.77	26.45
1990	2.50	2.45	1.25	0.31	1.56	0.53	2.01	3.43	3.38	3.69	4.39	2.87	28.37
1991	1.45	1.16	2.88	0.22	1.00	1.10	2.02	3.99	4.95	2.47	1.60	2.17	25.01
1992	1.18	1.81	1.05	0.08	0.88	2.51	2.80	5.12	3.50	2.89	2.51	2.72	27.05
1993	2.28	1.68	1.27	0.89	1.52	0.86	2.05	3.31	4.92	3.12	5.40	0.97	28.27
1994	1.55	2.62	1.54	0.30	0.66	1.65	2.93	3.99	3.63	1.87	3.95	2.29	26.98
1995	0.74	1.59	0.48	2.54	0.68	0.01	0.93	1.91	2.05	3.12	1.33	1.08	16.46
1996	1.63	1.79	0.94	0.17	0.92	1.95	2.71	2.74	2.85	1.04	1.84	.87	19.45
1997	8.26	0.75	0.34	0.34	1.77	1.02	1.94	3.24	2.21	1.32	4.04	0.82	26.05
1998	0.46	0.11	1.58	2.37	2.79	2.40	1.22	3.60	2.44	3.24	3.18	3.28	26.67
1999	1.68	0.84	2.15	1.73	0.51	1.73	3.16	3.75	2.47	2.64	2.65	0.69	24.00
2000	2.37	1.88	0.76	1.37	0.52	2.34	2.16	2.78	2.49	3.14	4.26	4.50	28.57
2001	1.76	2.32	0.61	1.77	0.13	0.77	3.24	3.85	3.61	4.77	2.37	1.78	26.98
2002	3.31	1.38	1.39	0.93	2.04	0.61	0.97	1.83	2.80	3.68	2.52	2.88	24.34
2003	1.63	1.04	0.43	1.34	0.59	1.37	0.67	1.61	0.78	1.23	2.36	2.45	15.50
2004	0.56	0.57	0.92	0.77	1.10	0.48	1.37	1.90	2.40	5.74	3.65	1.77	21.23
2005	1.79	1.56	1.98	0.83	0.76	0.41	0.97	3.45	5.65	2.92	2.01	2.82	25.15
2006	1.56	1.70	1.72	1.33	0.92	0.37	0.89	3.78	2.31	3.74	1.25	2.44	22.01
2007	1.98	0.66	0.20	0.45	0.75	1.64	0.95	3.11	3.65	3.88	2.34	1.66	21.27
2008	1.68	0.78	1.37	1.15	0.57	1.45	2.21	0.88	1.16	3.70	1.40	2.60	18.95
2009	0.50	2.47	1.41	0.80	0.37	2.11	3.64	2.15	1.16	2.66	1.86	0.77	19.90
2010	0.23	0.50	0.40	1.28	0.58	2.54	0.64	2.92	3.06	5.50	1.87	1.04	20.56
2011	1.80	0.95	0.82	1.39	1.46	2.85	2.50	2.79	1.73	3.31	3.08	2.72	25.40
POR= 65 YRS	1.79	1.32	1.26	1.19	1.21	1.36	1.99	3.02	2.78	2.98	2.71	2.04	23.65

WBAN : 25713

**AVERAGE TEMPERATURE (°F) 2011 ST PAUL ISLAND (PASN)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1982	26.4	27.6	29.5	28.9	35.2	41.4	44.2	48.4	42.8	38.3	34.8	29.6	35.6
1983	22.4	28.3	27.8	31.8	36.9	43.7	47.3	48.1	44.1	36.9	30.8	34.4	36.0
1984	26.8	9.9	24.7	26.0	33.5	43.3	46.2	48.9	46.1	39.0	34.5	32.8	34.3
1985	33.8	23.5	21.9	20.2	34.8	38.7	45.8	47.5	44.4	37.2	37.2	33.9	34.9
1986	22.1	25.7	20.4	27.9	35.9	42.5	47.3	47.8	46.5	39.1	35.2	31.7	35.2
1987	27.4	27.9	29.4	29.5	36.6	42.9	47.7	49.3	43.4	38.5	28.1	25.9	35.6
1988	27.3	24.2	17.8	25.8	35.1	42.2	47.7	48.7	44.9	39.2	29.5	27.5	34.2
1989	22.3	34.1	30.4	33.8	37.8	42.6	47.3	49.8	47.1	40.2	30.2	29.4	37.1
1990	27.0	19.6	26.3	30.6	37.7	43.3	47.8	48.9	44.1	38.2	33.5	31.9	35.7
1991	25.0	9.6	27.6	27.9	36.4	41.9	48.5	49.3	45.8	40.7	33.7	26.7	34.4
1992	24.6	25.1	20.7	27.8	33.5	42.4	45.8	47.7	42.2	37.3	30.9	27.0	33.8
1993	22.5	26.3	27.1	33.4	37.4	43.1	49.4	50.9	46.0	41.0	36.4	27.8	36.8
1994	26.7	29.4	17.6	25.7	33.9	42.1	47.7	48.3	44.6	37.2	32.5	28.2	34.5
1995	21.7	21.8	20.5	26.6	36.6	41.2	47.2	49.8	47.3	38.5	32.8	32.8	34.7
1996	30.6	26.5	33.0	31.7	39.6	45.1	48.4	50.3	45.1	39.6	36.2	31.4	38.1
1997	25.7	25.3	23.3	30.3	38.7	42.9	48.4	49.7	46.5	38.2	33.2	24.2	35.5
1998	22.1	21.5	29.7	31.6	35.9	42.2	47.9	47.9	44.8	37.9	33.0	28.3	35.2
1999	26.3	24.4	23.6	28.2	34.4	40.9	45.7	46.1	45.2	36.0	31.9	17.3	33.3
2000	17.7	30.5	27.4	31.0	35.9	42.9	47.6	49.4	45.1	39.5	36.3	34.7	36.5
2001	29.5	30.6	28.4	32.1	34.2	41.8	45.7	48.5	45.2	37.0	34.4	22.0	35.8
2002	23.1	17.5	31.2	32.6	38.8	43.4	47.5	50.1	46.9	40.9	35.0	30.1	36.4
2003	29.3	28.2	28.7	35.3	37.9	44.3	47.8	49.2	46.3	40.0	35.5	30.1	37.7
2004	28.0	27.6	26.2	31.1	40.1	45.1	49.5	51.3	46.9	41.1	34.2	29.2	37.5
2005	33.5	27.4	28.5	27.7	38.1	48.5	52.5	52.4	47.9	40.4	31.0	30.5	38.2
2006	17.5	26.5	30.6	27.1	35.0	41.2	47.7	48.4	44.6	39.1	34.4	23.6	34.6
2007	20.2	30.2	17.6	29.5	32.9	40.5	46.3	49.2	47.8	39.0	33.7	28.5	34.6
2008	25.3	16.6	16.3	27.8	33.5	39.9	44.3	47.1	45.9	35.4	28.5	29.4	32.5
2009	17.1	24.4	19.2	26.8	35.1	40.8	44.7	47.3	43.5	38.0	29.5	31.4	33.2
2010	24.2	18.3	10.3	25.4	33.6	39.4	45.5	47.7	45.8	38.2	33.2	27.9	32.5
2011	25.8	28.7	27.0	26.7	35.5	41.5	45.4	48.1	44.2	38.3	32.4	27.4	35.1
POR= 65 YRS	25.5	23.1	24.3	28.5	35.3	41.5	46.3	48.1	44.8	38.1	33.1	28.5	34.8

**HEATING DEGREE DAYS (base 65°F) 2011 ST PAUL ISLAND (PASN)**

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1983-84	541	519	620	862	1018	942	1178	1592	1245	1166	968	646	11297
1984-85	579	492	561	796	909	993	959	1154	1326	1338	926	783	10816
1985-86	589	537	612	852	824	957	1323	1093	1378	1104	895	670	10834
1986-87	543	527	546	796	885	1029	1160	1034	1098	1057	871	656	10202
1987-88	526	480	642	816	1097	1205	1160	1179	1454	1170	916	677	11322
1988-89	530	499	595	792	1059	1155	1319	859	1067	930	834	666	10305
1989-90	543	463	532	763	1037	1093	1172	1265	1193	1027	840	648	10576
1990-91	525	494	619	825	935	1023	1232	1548	1153	1105	880	685	11024
1991-92	505	483	570	746	935	1181	1243	1150	1367	1109	966	672	10927
1992-93	587	529	680	853	1014	1172	1309	1077	1170	945	849	648	10833
1993-94	477	431	564	737	850	1146	1181	990	1459	1171	958	681	10645
1994-95	530	510	607	855	967	1133	1335	1203	1370	1146	875	707	11238
1995-96	546	463	522	813	959	991	1061	1112	986	995	781	590	9819
1996-97	507	451	589	780	857	1034	1209	1104	1289	1035	808	654	10317
1997-98	511	464	546	827	948	1259	1324	1210	1092	996	896	676	10749
1998-99	523	523	599	834	952	1131	1191	1130	1278	1098	941	716	10916
1999-00	592	578	589	892	987	1471	1457	995	1157	1014	896	654	11282
2000-01	535	475	587	784	853	932	1095	956	1130	981	947	691	9966
2001-02	591	505	589	860	912	1325	1291	1325	1041	963	806	643	10851
2002-03	534	455	534	740	893	1075	1100	1024	1118	883	832	615	9803
2003-04	524	486	555	766	876	1076	1142	1079	1198	1006	764	589	10061
2004-05	476	418	535	736	917	1104	972	1045	1122	1111	827	489	9752
2005-06	379	383	508	756	1015	1063	1463	1070	1060	1128	922	705	10452
2006-07	512	508	606	797	910	1277	1380	966	1466	1058	988	725	11193
2007-	573	485	510	799	933	1124							
2007-08	573	485	510	799	933	1124	1226	1395	1504	1109	971	747	11376
2008-09	636	548	567	911	1087	1094	1476	1129	1416	1140	922	719	11645
2009-10	623	543	638	829	1059	1034	1258	1302	1689	1182	966	763	11886
2010-11	595	531	568	821	947	1144	1209	1009	1171	1145	909	699	10748
2011-	602	516	618	819	969	1157							

WBAN : 25713

**COOLING DEGREE DAYS (base 65°F) 2011 ST PAUL ISLAND (PASN)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1982	0	0	0	0	0	0	0	0	0	0	0	0	0
1983	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	0	0	0	0	0	0	0	0	0	0	0	0	0
2004	0	0	0	0	0	0	0	0	0	0	0	0	0
2005	0	0	0	0	0	0	0	0	0	0	0	0	0
2006	0	0	0	0	0	0	0	0	0	0	0	0	0
2007	0	0	0	0	0	0	0	0	0	0	0	0	0
2008	0	0	0	0	0	0	0	0	0	0	0	0	0
2009	0	0	0	0	0	0	0	0	0	0	0	0	0
2010	0	0	0	0	0	0	0	0	0	0	0	0	0
2011	0	0	0	0	0	0	0	0	0	0	0	0	0

**SNOWFALL (inches) 2011 ST PAUL ISLAND (PASN)**

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1983-84	0.0	0.0	T	4.8	7.4	1.7	6.5	0.2	3.0	3.0	3.3	0.0	29.9
1984-85	0.0	0.0	0.0	2.9	3.4	3.7	4.5	7.8	10.1	13.3	2.2	0.7	48.6
1985-86	0.0	0.0	0.0	1.7	2.5	3.7	12.6	3.2	1.1	4.8	1.9	0.0	31.5
1986-87	0.0	0.0	0.0	T	3.6	4.9	13.5	16.1	13.2	3.3	2.4	0.0	57.0
1987-88	0.0	0.0	T	0.9	10.3	18.6	6.5	7.0	4.9	11.7	1.9	0.0	61.8
1988-89	0.0	0.0	0.0	2.8	25.7			6.8	3.6	5.5	1.4	0.0	
1989-90	0.0	0.0	0.0	0.7	18.2	10.6	23.4	25.1	16.6	2.9	0.1	0.0	97.6
1990-91	0.0	0.0	0.2	3.3	9.7	7.2	7.3	3.9	12.1	2.7	1.7	0.0	48.1
1991-92	0.0	0.0	0.0	0.8	4.3	19.0	13.1	7.8	15.2	1.5	0.5	0.0	62.2
1992-93	0.0	0.0	T	2.0	10.6	6.0	10.0	16.7	6.3	4.6	0.7	0.0	56.9
1993-94	0.0	0.0	T	T	4.1	13.3	5.1	3.7	17.7	5.7	3.6	0.0	53.2
1994-95	0.0	0.0	T	T	8.9	6.4	10.0	15.1	4.6	9.9	0.3	T	55.2
1995-96	0.0	0.0	0.0	0.5	4.3	2.4	7.5	9.7	3.6	0.8	T	T	28.8
1996-97	0.0	0.0	T	.1	5.5	10.4							
1997-98													
1998-99		0.0	T	4.0	10.8	24.4	19.7	9.0	29.8	13.1	0.1	0.0	
1999-00	0.0	0.0	0.0	6.3	9.6	10.7	26.9	22.3	8.3	13.3	T	T	97.4
2000-01	0.0	0.0	0.0	T	2.5	6.9	7.4	14.1	3.2	2.3	0.7	0.0	37.1
2001-02	0.0	0.0	0.0	2.7	7.2	28.4	50.6	28.7	6.6	1.9	T	0.0	126.1
2002-03	0.0	0.0	0.0	1.1	6.4	11.3	15.8	12.6	0.9	3.4	0.6	0.0	52.1
2003-04	0.0	0.0	0.0	0.6	13.8	19.3	13.6	11.9	11.3	5.0	0.0	0.0	75.5
2004-05	0.0	0.0	T	1.3	12.0	16.5	3.7	12.8	22.9	11.6	0.2	0.0	81.0
2005-06	0.0	0.0	T	3.7	11.1	15.7	33.7	23.2	11.5	18.4	1.7	0.0	119.0
2006-07	0.0	0.0	0.0	4.6	2.2	33.9	28.6	3.7	2.9	6.7	0.8	0.0	83.4
2007-	0.0	0.0	0.0	3.8	5.9	12.2							
2007-08	0.0	0.0	0.0	3.8	5.9	12.2	16.7	12.0	11.7	4.4	2.4	T	69.1
2008-09	T	0.0	0.0	4.9	8.3	7.3	8.6	17.7	9.0	4.1	T	0.0	59.9
2009-10	0.0	0.0	T	0.7	11.0	4.0	5.1	5.7	7.0	7.1	3.3	T	43.9
2010-11	0.0	0.0	0.2	0.8	6.5	8.2	19.9	8.1	2.9	6.1	1.1	0.0	53.8
2011-	0.0	0.0	T	0.1	8.1	14.6							
POR= 61 YRS	T	0.0	T	2.6	7.3	10.4	12.1	10.4	9.7	6.1	1.9	0.1	60.6

WBAN : 25713

**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 (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.</p>	<p>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: <a href="https://mi3.ncdc.noaa.gov/mi3qry/login.cfm">https://mi3.ncdc.noaa.gov/mi3qry/login.cfm</a> SNOWFALL STOPPED MONTH &amp; YEAR INDICATED ABOVE. NO FURTHER YEARS INCLUDED UNLESS RESTARTED.</p> <p><b>NOTE:</b> 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.</p>
--	--

# 2011

## ST. PAUL ISLAND

### ALASKA (PASN)

St. Paul Island, one of the Pribilof group, is located in the central-southeast Bering Sea area. The climate is typically maritime, resulting in considerable cloudiness, heavy fog, high humidity, and rather well restricted daily temperature ranges. Humidities remain uniformly high from May to late September, and during the summer period there is almost continuous low cloudiness and occasional heavy fog. The differences between the high and low temperatures for the entire year are only slightly above 7 degrees, and the greatest monthly variation in March is slightly less than 12 degrees. Temperatures remain on the cool side even during the summer with extreme highs usually around the middle 50s. Although record low readings fall well below the zero mark, such extremely cold days are rather rare. There are only five days each winter with temperatures falling below the zero mark. The climatic environment makes the Pribilofs ideal for their numerous summer inhabitants, the Alaskan Fur Seals.

In spite of an environment of high humidities, precipitation on St. Paul Island is surprisingly light. The annual average of near 24 inches is slightly below the average for Alaska as a whole. April is generally the driest month, with a gradual increase of precipitation until a monthly total of over 3 inches is reached during August, September, and October. This is followed by a gradual decrease during the succeeding months until the return of April.

Frequent windy periods are characteristic of the island area throughout the year. Frequent storms occur from October to April, and these often are accompanied by gale-force winds to produce general blizzard conditions. Under the influence of prolonged north and northeasterly winds between January and April, the ice pack occasionally moves south to surround the island. During recent years, the southward limit of this movement has been between St. Paul and St. George Islands, some 40 miles to the southeast of St. Paul.

Thunderstorms are extremely rare on St. Paul Island.

# Station History

ST PAUL ISLAND, AK

NAME	Begin Date	End Date	Latitude	Longitude	Elevation Feet	Relocation	Platform
ST PAUL ISLAND WB AIRPORT	1948-12-31	1949-06-01	57° 9'	-170° 13'	30		COOP
ST PAUL ISLAND WSO AP	1981-12-31	1982-01-01	57° 9'	-170° 13'	30		COOP
ST PAUL ISLAND AP	1945-10-01	1946-04-30	57° 7'	-170° 16'			WXSVC
ST PAUL ISLAND WB AIRPORT	1949-06-01	1973-01-01	57° 9'	-170° 13'	30		AIRWAYS, COOP
ST PAUL ISLAND WB AIRPORT	1973-01-01	1975-03-04	57° 9'	-170° 13'	30		COOP, WXSVC
ST PAUL ISLAND WSO AP	1975-03-04	1981-12-31	57° 9'	-170° 13'	30		COOP, WXSVC
ST PAUL ISLAND WSO AP	1982-01-01	1997-01-01	57° 9'	-170° 13'	22		COOP
ST PAUL ISLAND WB AIRPORT	1948-11-01	1948-12-31	57° 9'	-170° 13'	30		AIRWAYS, COOP
ST PAUL ISLAND WB AIRPORT	1947-01-01	1948-11-01	57° 9'	-170° 13'			AIRWAYS
ST PAUL ISLAND AP	2002-01-07	2010-11-18	57° 9'	-170° 13'	35	.3 MI NW	ASOS, COOP
ST PAUL ISLAND WSO AP	1997-01-01	2002-01-07	57° 9'	-170° 13'	22		ASOS, COOP
ST PAUL ISLAND AP	2010-11-18	Present	57° 9'	-170° 13'	35		AIRWAYS, ASOS, COOP

# Element History

Element	Begin Date	End Date	Frequency	Time Of Observation	Equipment *	Equipment * Modifications	Equipment Exposure
TEMP	1945-10-01	1946-04-30	DAILY	2400			
PRECIP	1947-01-01	1997-01-01	DAILY	2400	UNIV	RCRD	
PRECIP	1997-01-01	2002-01-07	HOURLY	2400	UNIV	RCRD	
TEMP	1997-01-01	2002-01-07	DAILY	2400			
PRECIP	2002-01-07	2010-11-18	HOURLY	2400	TB	RCRD	
PRECIP	1945-10-01	1946-04-30	DAILY	2400	UNIV	RCRD	
PRECIP	1997-01-01	2002-01-07	DAILY	2400	UNIV	RCRD	
TEMP	1947-01-01	1997-01-01	DAILY	2400			
TEMP	2002-01-07	2010-11-18	DAILY	2400	HYGR		
PRECIP	2002-01-07	2010-11-18	DAILY	2400	TB	RCRD	
TEMP	2010-11-18	Present	DAILY	2400	HYGR		
PRECIP	2010-11-18	Present	DAILY	2400	PCPNX		
SNOWDPTH	2010-11-18	Present	DAILY	2400	SNWSTK		
PRECIP	2010-11-18	Present	HOURLY	2400	STO		

\* 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>

INQUIRES/COMMENTS CALL: (828) 271-4800, option 2

Fax Number : (828) 271-4876

TDD : (828) 271-4010

Email : [ncdc.info@noaa.gov](mailto:ncdc.info@noaa.gov)

NOAA/National Climatic Data Center

Attn: User Engagement & Services Branch

151 Patton Avenue

Asheville, NC 28801-5001

Visit our Web Site for other weather data: [www.ncdc.noaa.gov](http://www.ncdc.noaa.gov)