

1999

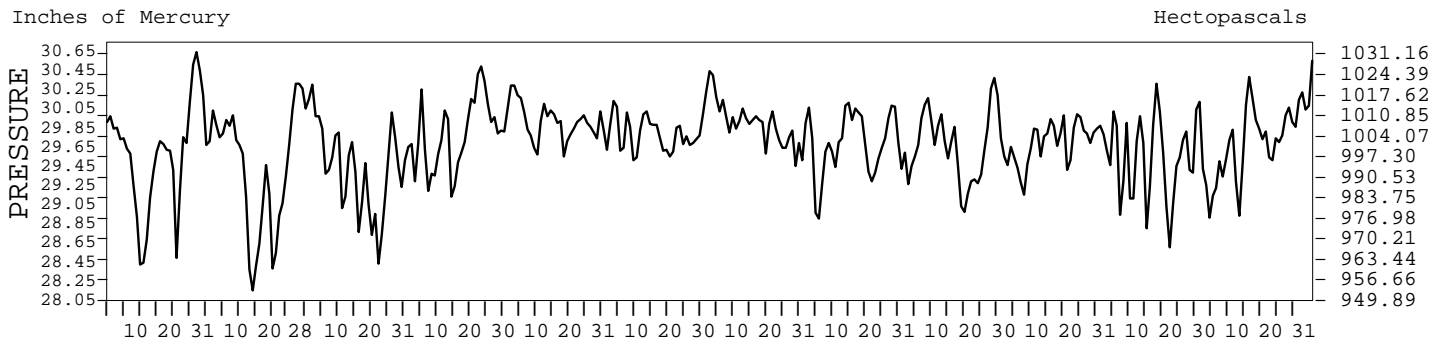
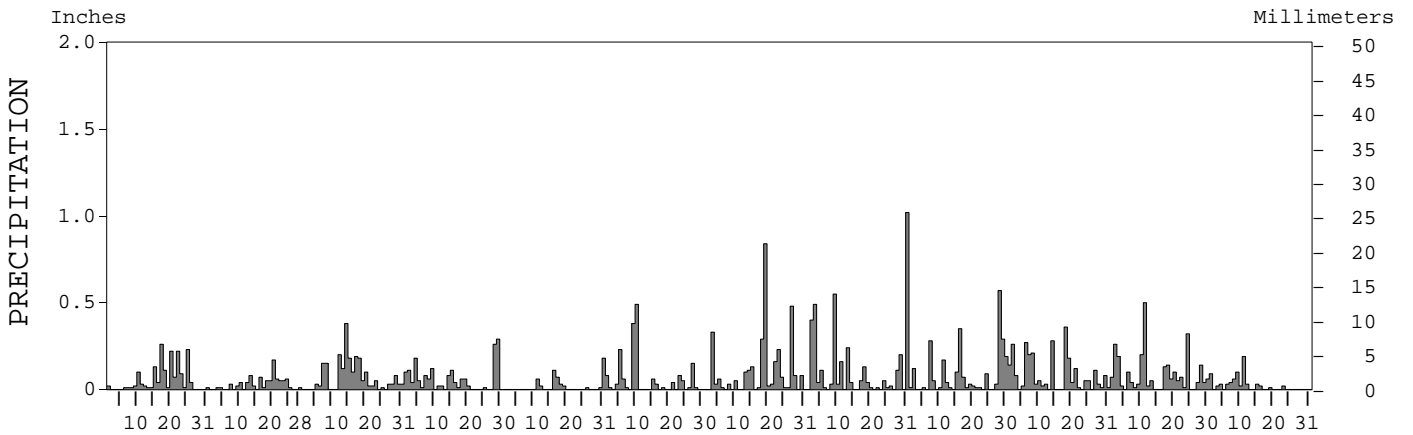
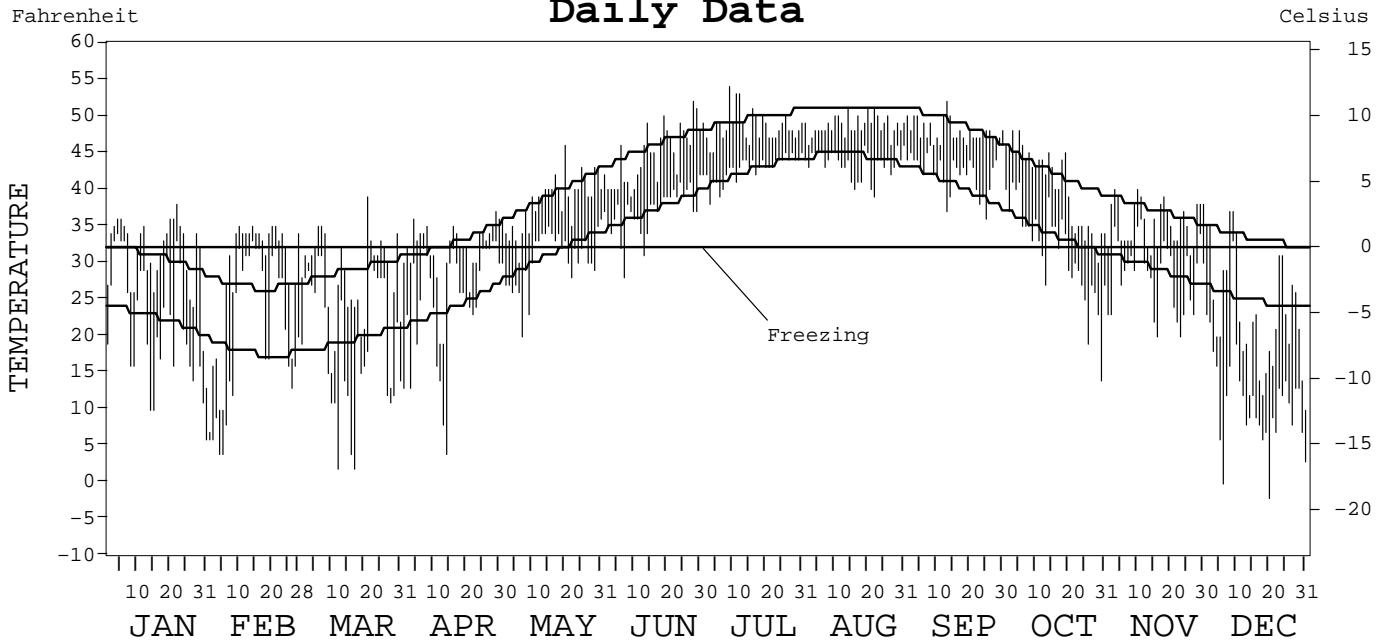
LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA



ISSN 0198-0513

ST. PAUL ISLAND,
ALASKA (SNP)

Daily Data



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Thomas R. Karl

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
 NATIONAL ENVIRONMENTAL AND INFORMATION SERVICE
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 ASHEVILLE, NORTH CAROLINA

METEOROLOGICAL DATA FOR 1999

ST. PAUL ISLAND, AK (SNP)

LATITUDE: 57° 09' 48" N LONGITUDE: 170° 13' 12" W ELEVATION (FT): GRND: 25 BARO: 25 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	30.8	28.2	27.9	31.6	38.3	44.7	48.5	48.7	47.9	40.4	35.5	23.1	37.1	
	HIGHEST DAILY MAXIMUM	38	35	39	37	46	52	54	51	52	48	40	37	54	
	DATE OF OCCURRENCE	22	21+	21	29	20	28	09	22+	13	05+	10+	09+	JUL 09	
	MEAN DAILY MINIMUM	21.8	20.6	19.2	24.7	30.5	37.0	42.8	43.5	42.4	31.6	28.3	11.5	29.5	
	LOWEST DAILY MINIMUM	6	4	2	4	20	28	38	39	36	14	20	-2	-2	
	DATE OF OCCURRENCE	31	05+	17+	14	07	07	03	22	25	30	23+	20	DEC 20	
	AVERAGE DRY BULB	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	
	MEAN WET BULB	25.6	23.8	22.9	27.8	32.8	39.8	44.7	45.4	44.1	34.4	30.8	16.7	32.4	
	MEAN DEW POINT	22.9	21.1	20.5	26.1	30.7	38.7	43.9	44.7	43.0	31.2	27.6	12.8	30.3	
	NUMBER OF DAYS WITH:														
	MAXIMUM ≥ 70°	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	MAXIMUM ≤ 32°	15	13	24	15	1	0	0	0	0	2	6	26	102	
	MINIMUM ≤ 32°	26	27	31	28	19	3	0	0	0	15	24	30	203	
MINIMUM ≤ 0°	0	0	0	0	0	0	0	0	0	0	0	2	2		
H/C	HEATING DEGREE DAYS	1191	1130	1278	1098	941	716	592	578	589	892	987	1471	11463	
	COOLING DEGREE DAYS	0	0	0	0	0	0	0	0	0	0	0	0	0	
RH	MEAN (PERCENT)	85	86	87	90	87	94	96	96	92	82	83	80	88	
	HOUR 03 LST	84	88	88	92	91	98	96	96	93	84	84	80	90	
	HOUR 09 LST	87	85	86	89	88	96	97	97	95	83	81	80	89	
	HOUR 15 LST	85	84	86	88	81	87	93	93	89	78	83	79	86	
	HOUR 21 LST	84	86	86	91	88	93	96	95	93	83	84	81	88	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	4	3	8	12	4	7	11	10	3	3	4	11	80	
	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.)	29.57	29.39	29.47	29.77	29.91	29.78	29.90	29.66	29.67	29.70	29.51	29.77	29.68	
	MEAN SEA-LEVEL PRESS. (IN.)	29.86	29.87	29.65	29.80	29.94	29.81	29.93	29.69		29.73	29.56	29.80		
WINDS	RESULTANT SPEED (MPH)	8.2	3.8	8.4	3.3	2.5	2.5	5.3	3.4	1.9	7.9	4.9	11.9	2.6	
	RES. DIR. (TENS OF DEGS.)	06	11	06	31	34	02	19	20	25	36	34	02	03	
	MEAN SPEED (MPH)	19.8	18.9	19.1	15.2	12.4	13.2	12.8	12.7	13.1	15.9	18.8	17.1	15.8	
	PREVAIL. DIR. (TENS OF DEGS.)	08	34	09	01	31	05	21	21	34	35	34	02	36	
	MAXIMUM 2-MINUTE WIND:														
	SPEED (MPH)	48	52	48	45	34	28	32	38	31	38	49	43	52	
	DIR. (TENS OF DEGS.)	24	09	07	24	31	14	24	02	14	34	13	05	09	
	DATE OF OCCURRENCE	24	20	18+	04	03	05	28	03	28+	21	28+	29+	FEB 20	
	MAXIMUM 5-SECOND WIND:														
	SPEED (MPH)	55	62	56	49	40	32	39	49	38	45	61	48	62	
DIR. (TENS OF DEGS.)	07	09	07	20	31	14	23	02	24	35	13	07	09		
DATE OF OCCURRENCE	31+	20	17	04	03	05	28	03	01	21	28+	29+	FEB 20		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	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	
	GREATEST 24-HOUR (IN.)	0.37	0.17	0.38	0.29	0.18	0.67	1.13	1.02	0.58	0.45	0.50	0.22	1.13	
	DATE OF OCCURRENCE	17-18	20	14	29	31	9-10	18-19	31	28-29	18-19	11	11-12	JUL 18-19	
	NUMBER OF DAYS WITH:														
	PRECIPITATION ≥ 0.01	23	19	22	21	9	17	22	22	22	24	24	14	239	
PRECIPITATION ≥ 0.10	7	1	10	7	2	4	9	10	8	10	10	2	80		
PRECIPITATION ≥ 1.00	0	0	0	0	0	0	0	1	0	0	0	0	1		
SNOWFALL	SNOW, ICE PELLETS, HAIL:														
	TOTAL (IN.)	19.7	9.0	29.8	13.1	0.1	0.0	0.0	0.0	0.0	6.3	9.6	10.7	98.3	
	GREATEST 24-HOUR (IN.)	6.7	1.4	6.5	1.8	0.1	0.0	0.0	0.0	0.0	2.2	2.7	3.5	6.7	
	DATE OF OCCURRENCE	17	20	14	04	19					27	24	11-12	JAN 17	
	MAXIMUM SNOW DEPTH (IN.)	12	6	18	27	17	0	0	0	0	5	6	12	27	
	DATE OF OCCURRENCE	18+	28+	17+	19+	01					27	02	31+	APR 19+	
NUMBER OF DAYS WITH:															
SNOWFALL ≥ 1.0	7	1	10	5	0	0	0	0	0	2	3	3	31		

PRECIPITATION (inches) 1999 ST. PAUL ISLAND, AK (SNP)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1970	0.88	0.96	1.24	1.36	0.76	1.45	1.91	1.52	2.24	3.01	2.34	3.63	21.30
1971	0.83	1.03	1.14	0.83	0.94	0.73	2.77	2.78	2.64	2.11	2.03	3.30	21.13
1972	1.45	0.80	1.22	1.83	0.98	1.80	1.28	1.69	3.21	3.52	2.50	1.44	21.72
1973	1.79	3.34	3.28	0.60	1.08	1.07	1.18	2.40	1.64	2.75	3.23	2.22	24.58
1974	2.11	1.33	0.75	0.88	1.26	1.42	2.40	3.29	1.39	1.42	1.63	1.55	19.43
1975	1.47	1.54	1.02	1.30	0.50	1.07	1.20	1.40	1.45	2.07	0.88	0.73	14.63
1976	0.74	0.80	0.74	1.22	1.48	0.90	1.58	1.50	1.44	1.57	0.94	0.76	13.67
1977	0.57	0.89	1.41	1.09	1.19	0.31	0.86	0.17	0.62	0.96	1.10	0.65	9.82
1978	0.61	0.47	0.53	0.92	0.74	1.33	2.52	2.72	1.87	4.45	2.10	1.95	20.21
1979	2.62	1.01	1.22	3.21	1.52	2.18	2.67	2.57	3.51	3.79	4.78	1.19	30.27
1980	1.13	0.37	0.99	0.76	0.83	3.05	1.20	3.78	2.82	2.85	2.06	0.84	20.68
1981	1.58	0.52	0.79	0.54	1.45	1.15	0.85	2.50	1.07	2.48	2.63	1.01	16.57
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	0.87	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
POR= 82 YRS	1.79	1.25	1.21	1.11	1.24	1.27	2.11	3.12	2.97	2.86	2.62	1.89	23.44

WBAN : 25713

AVERAGE TEMPERATURE (°F) 1999 ST. PAUL ISLAND, AK (SNP)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1970	19.5	26.3	25.3	26.4	34.2	41.2	45.0	45.5	43.9	38.8	36.9	29.2	34.4
1971	23.3	15.3	14.9	21.5	27.8	36.2	41.9	44.5	42.3	37.8	32.4	30.0	30.7
1972	25.9	14.6	10.9	25.0	32.8	37.7	42.5	45.9	44.0	37.8	33.2	30.0	31.7
1973	23.1	25.5	20.1	26.3	30.4	39.4	44.3	45.9	43.9	37.5	37.2	27.4	33.4
1974	26.4	14.9	25.9	25.0	35.3	39.4	45.4	47.3	44.8	36.2	29.6	21.6	32.7
1975	17.6	15.3	19.7	27.4	32.2	38.1	43.7	47.4	42.5	36.2	29.3	29.3	31.6
1976	22.0	9.0	12.8	17.3	30.7	39.9	45.1	47.6	43.2	37.8	31.3	23.6	30.0
1977	30.6	27.4	23.2	26.3	36.1	43.3	48.7	51.1	47.8	37.0	30.0	31.1	36.1
1978	33.6	27.4	25.5	34.9	38.9	44.2	46.5	48.7	47.5	39.2	38.0	32.1	38.0
1979	34.3	30.0	30.4	36.1	40.6	46.7	48.7	50.5	48.1	43.3	36.7	31.5	39.7
1980	27.2	23.7	31.6	30.9	38.1	44.5	47.5	46.5	44.2	37.1	33.9	29.9	36.3
1981	27.9	23.9	30.7	34.3	40.4	43.0	47.8	47.3	44.3	37.7	30.8	28.1	36.4
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
POR= 82 YRS	25.7	22.9	24.3	28.6	35.1	41.4	45.9	47.7	44.7	38.3	33.2	28.5	34.7

HEATING DEGREE DAYS (base 65°F) 1999 ST. PAUL ISLAND, AK (SNP)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1970-71	611	598	624	806	838	1104	1288	1388	1552	1300	1148	859	12116
1971-72	713	628	677	835	972	1079	1205	1458	1670	1193	993	813	12236
1972-73	691	585	625	840	947	1077	1292	1102	1385	1156	1064	760	11524
1973-74	634	586	625	848	827	1157	1188	1397	1204	1194	914	758	11332
1974-75	604	539	598	882	1053	1337	1462	1389	1399	1120	1013	799	12195
1975-76	653	539	670	886	1064	1102	1327	1622	1612	1422	1055	745	12697
1976-77	610	532	649	838	1006	1280	1059	1048	1291	1156	889	642	11000
1977-78	499	420	508	862	1043	1045	968	1049	1216	896	803	616	9925
1978-79	564	496	518	792	802	1011	946	976	1065	860	747	548	9325
1979-80	497	444	501	667	843	1030	1165	1190	1030	1016	823	608	9814
1980-81	532	568	617	861	924	1079	1142	1145	1057	916	757	651	10249
1981-82	527	541	613	839	1018	1138	1188	1044	1093	1074	915	702	10692
1982-83	638	507	661	819	900	1092	1313	1019	1147	988	868	632	10584
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-	592	578	589	892	987	1471							

WBAN : 25713

COOLING DEGREE DAYS (base 65°F) 1999 ST. PAUL ISLAND, AK (SNP)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1970	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	0	0	0	0	0	0	0	0	0	0	0
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

SNOWFALL (inches) 1999 ST. PAUL ISLAND, AK (SNP)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1970-71	0.0	0.0	T	0.4	2.0	17.5	6.3	9.6	12.3	13.6	12.7	T	74.4
1971-72	0.0	0.0	0.0	4.3	5.1	13.1	12.9	9.3	10.8	15.6	3.2	T	74.3
1972-73	0.0	0.0	0.2	1.8	6.7	5.5	13.0	27.6	31.4	6.3	7.9	0.2	100.6
1973-74	0.0	0.0	0.0	3.8	3.9	12.4	7.7	11.0	5.6	8.9	2.2	T	55.5
1974-75	0.0	0.0	0.0	2.2	4.6	15.7	14.4	11.4	10.1	5.6	4.5	1.2	69.7
1975-76	0.0	0.0	0.4	2.0	5.9	4.7	9.4	7.9	7.8	6.8	1.0	0.0	45.9
1976-77	0.0	0.0	0.0	2.9	7.1	10.3	2.1	7.1	16.0	5.6	1.4	0.0	52.5
1977-78	0.0	0.0	0.0	1.6	7.9	3.9	2.9	5.2	5.9	0.4	T	0.0	27.8
1978-79	0.0	0.0	0.0	12.5	2.4	9.0	17.9	1.6	3.7	0.9	0.5	0.0	48.5
1979-80	0.0	0.0	T	T	14.6	8.7	8.5	5.0	12.1	9.6	1.7	0.0	60.2
1980-81	0.0	0.0	T	2.6	6.1	6.1	10.5	5.5	7.2	2.0	1.3	0.0	41.3
1981-82	0.0	0.0	0.0	0.9	9.1	4.8	2.1	1.5	5.8	3.0	T	0.0	27.2
1982-83	0.0	0.0	T	0.2	4.0	10.7	2.9	8.4	1.2	5.3	0.2	0.0	32.9
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	0.1	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-	0.0	0.0	0.0	6.3	9.6	10.7							
POR= 73 YRS	0.0	0.0	0.1	2.6	6.6	9.5	11.5	9.5	9.3	5.6	2.0	0.1	56.8

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 (1961 - 1990). ASOS INDICATES AUTOMATED SURFACE OBSERVING SYSTEM. PM INDICATES THE LAST DAY OF THE PREVIOUS MONTH. POR (PERIOD OF RECORD) BEGINS WITH THE JANUARY DATA MONTH AND IS THE NUMBER OF YEARS USED TO COMPUTE THE MEAN. INDIVIDUAL MONTHS WITHIN THE POR MAY BE MISSING. WHEN THE POR FOR A NORMAL IS LESS THAN 30 YEARS, THE NORMAL IS PROVISIONAL AND IS BASED ON THE NUMBER OF YEARS INDICATED. 0.* OR * INDICATES THE VALUE OR MEAN-DAYS-WITH IS BETWEEN 0.00 AND 0.05. CLOUDINESS FOR ASOS STATIONS DIFFERS FROM THE NON-ASOS OBSERVATION TAKEN BY A HUMAN OBSERVER. ASOS STATION CLOUDINESS IS BASED ON TIME-AVERAGED CEILOMETER DATA FOR CLOUDS AT OR BELOW 12,000 FEET AND ON SATELLITE DATA FOR CLOUDS ABOVE 12,000 FEET. THE NUMBER OF DAYS WITH CLEAR, PARTLY CLOUDY, AND CLOUDY CONDITIONS FOR ASOS STATIONS IS THE SUM OF THE CEILOMETER AND SATELLITE DATA FOR THE SUNRISE TO SUNSET PERIOD.</p>	<p>GENERAL CONTINUED: CLEAR INDICATES 0 - 2 OKTAS, PARTLY CLOUDY INDICATES 3 - 6 OKTAS, AND CLOUDY INDICATES 7 OR 8 OKTAS. WHEN AT LEAST ONE OF THE ELEMENTS (CEILOMETER OR SATELLITE) IS MISSING, THE DAILY CLOUDINESS IS NOT COMPUTED. WIND DIRECTION IS RECORDED IN TENS OF DEGREES (2 DIGITS) CLOCKWISE FROM TRUE NORTH. "00" INDICATES CALM. "36" INDICATES TRUE NORTH. RESULTANT WIND IS THE VECTOR AVERAGE OF THE SPEED AND DIRECTION. AVERAGE TEMPERATURE IS THE SUM OF THE MEAN DAILY MAXIMUM AND MINIMUM TEMPERATURE DIVIDED BY 2. SNOWFALL DATA COMPRISE ALL FORMS OF FROZEN PRECIPITATION, INCLUDING HAIL. A HEATING (COOLING) DEGREE DAY IS THE DIFFERENCE BETWEEN THE AVERAGE DAILY TEMPERATURE AND 65° F. DRY BULB IS THE TEMPERATURE OF THE AMBIENT AIR. DEW POINT IS THE TEMPERATURE TO WHICH THE AIR MUST BE COOLED TO ACHIEVE 100 PERCENT RELATIVE HUMIDITY. WET BULB IS THE TEMPERATURE THE AIR WOULD HAVE IF THE MOISTURE CONTENT WAS INCREASED TO 100 PERCENT RELATIVE HUMIDITY.</p> <p>ON JULY 1, 1996, THE NATIONAL WEATHER SERVICE BEGAN USING THE "METAR" OBSERVATION CODE THAT WAS ALREADY EMPLOYED BY MOST OTHER NATIONS OF THE WORLD. THE MOST NOTICEABLE DIFFERENCE IN THIS ANNUAL PUBLICATION WILL BE THE CHANGE IN UNITS FROM TENTHS TO EIGHTHS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER.</p>
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1999
ST. PAUL ISLAND,
ALASKA (SNP)

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 LOCATION

SAINT PAUL ISLAND, ALASKA

LOCATION	OCCUPIED FROM	OCCUPIED TO	AIRLINE DISTANCES AND DIRECTIONS FROM PREVIOUS LOCATION	LATITUDE NORTH	LONGITUDE WEST	ELEVATION ABOVE										AUGUST 1961	* Type M = AMOS T = AUTOB S = ASOS W = AWOS	REMARKS	
						SEA LEVEL	GROUND												H
							G	W	E	P	S	T	R	W	8				
Naval Radio Station	8/08/15	7/17/20		57° 07'	170°16'														
Native Residence	7/17/20	12/15/23	1/8 mi. SW	57° 07'	170°16'														
FWS Company House	12/15/23	6/05/28	Approx. 800 ft. N	57° 07'	170°16'		10												
Weather Bureau Building	6/05/28	8/29/30	400 ft. SW	57° 07'	170°16'		26												Location of building indefinite.
Naval Radio Station	8/29/30	6/01/42	800 ft. NE	57° 07'	170°16'		a59												a - 64 ft. to 8/22/40.
Army Weather Station	11/1943	10/15/45	800 ft. SW	57° 07'	170°16'														
Weather Bureau Building	10/15/45	7/02/47		57° 07'	170°16'			29		5	5								
Weather Bureau Airport Station	7/02/47	9/10/51	3.4 mi. NE of Village	57° 09'	170°13'		22	39		5	5								s - Standby equipment.
Weather Bureau Airport Station+	9/10/51	01/01/97	No Change	57° 09'	170°13'		22	c42 e30	s10 h	s10 h	NA	NA	b6	NA b5	d5 f5 g5	NA			b - Added 8/1/60. c - Raised from 29 ft. in 1961. d - Commissioned 9/9/75 on site 66 ft. NE of instrument shelter. e - Moved to ground location 7/2/78. f - Minor adjustment 7/15/78. g - Type change 8/20/85. h - Instrument shelter removed 11/1987.
+Nat. Weather Service Building St. Paul Is. Airport eff. 12/1970.																			
St. Paul Island Airport	01/01/97	Present	NA	57°10'	170°13'		25												S ASOS Commissioned 01/01/97

SUBSCRIPTION: Price and ordering information available through: National Climatic Data Center Federal Building, Asheville, North Carolina 28801.
INQUIRIES/COMMENTS CALL: (828) 271-4800.

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