

2002

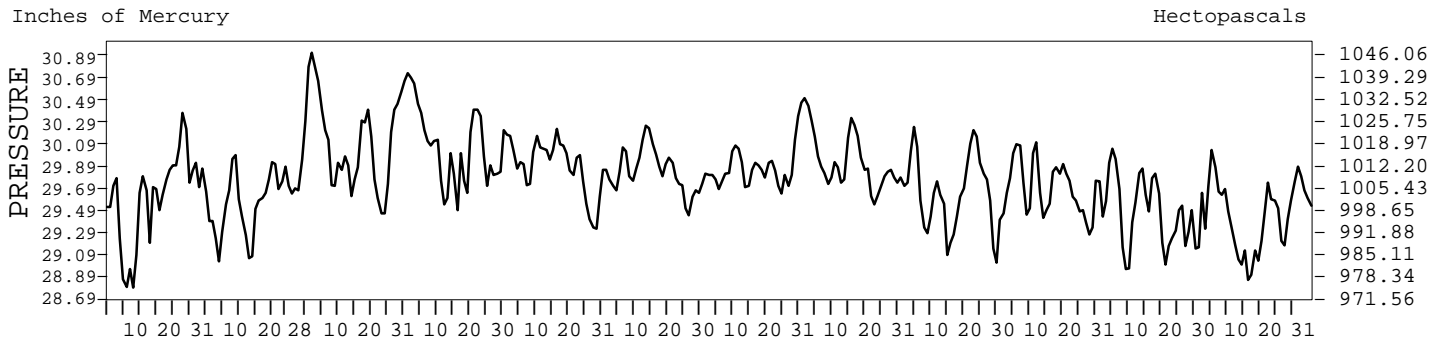
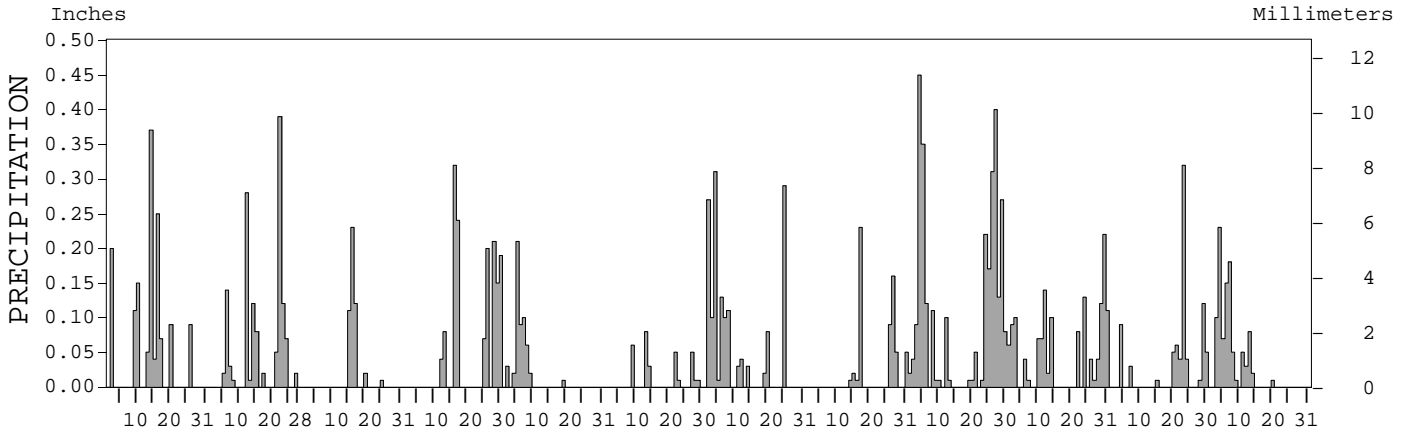
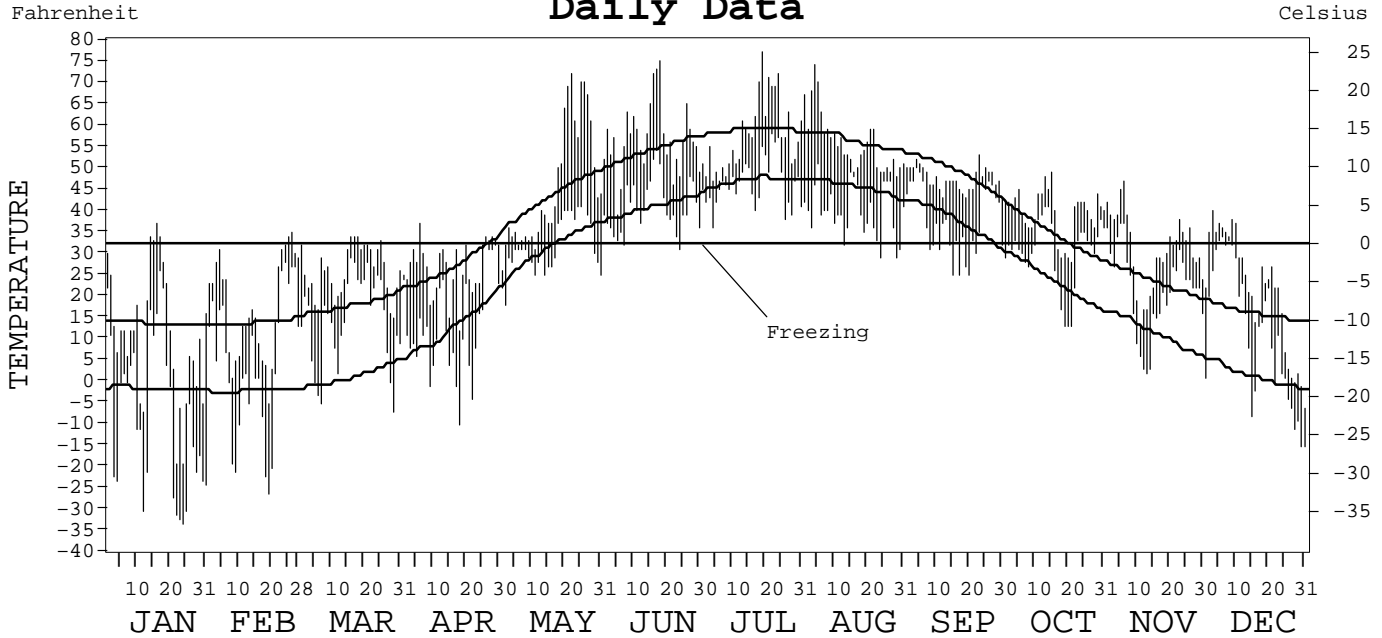
LOCAL CLIMATOLOGICAL DATA  
ANNUAL SUMMARY WITH COMPARATIVE DATA



ISSN 0198-0505

NOME,  
ALASKA (OME)

Daily Data



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*Thomas R. Karl*

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL ENVIRONMENTAL SATELLITE, DATA, AND INFORMATION SERVICE  
NATIONAL CLIMATIC DATA CENTER  
ASHEVILLE, NORTH CAROLINA  
DIRECTOR  
NATIONAL CLIMATIC DATA CENTER

# METEOROLOGICAL DATA FOR 2002

## NOME, AK (OME)

LATITUDE: 64° 30' 48" N      LONGITUDE: 165° 26' 36" W      ELEVATION (FT): GRND: 15      BARO: 18      TIME ZONE: ALASKA (UTC + 9)      WBAN: 26617

ELEMENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	11.0	17.6	25.9	26.9	45.7	56.8	57.6	55.8	47.5	39.4	30.9	21.6	36.4	
	HIGHEST DAILY MAXIMUM	37	35	34	37	72	75	77	74	53	49	47	40	77	
	DATE OF OCCURRENCE	16	26	18+	06	22	18	19	04	23	15	06	03	JUL 19	
	MEAN DAILY MINIMUM	-7.6	4.4	14.1	13.0	32.0	40.7	46.4	39.8	37.5	30.1	21.4	11.5	23.6	
	LOWEST DAILY MINIMUM	-33	-26	-7	-10	18	31	36	29	25	13	2	-15	-33	
	DATE OF OCCURRENCE	24	19	29	18	02	24	04	29+	20+	19+	13	31+	JAN 24	
	AVERAGE DRY BULB	1.7	11.0	20.0	20.0	38.9	48.8	52.0	47.8	42.5	34.8	26.2	16.6	30.0	
	MEAN WET BULB	1.5	11.0	19.3	20.1	35.8	44.0	49.6	45.5	41.3	32.9	24.5	15.7	28.4	
	MEAN DEW POINT	-4.4	6.8	13.9	16.6	30.8	37.9	46.8	41.3	38.9	29.0	20.3	11.6	24.1	
	NUMBER OF DAYS WITH:														
	MAXIMUM ≥ 70°	0	0	0	0	3	3	4	2	0	0	0	0	0	12
	MAXIMUM ≤ 32°	27	26	27	25	4	0	0	0	0	5	16	22	152	
	MINIMUM ≤ 32°	31	28	31	30	20	2	0	4	10	18	26	28	228	
MINIMUM ≤ 0°	20	9	5	4	0	0	0	0	0	0	0	9	47		
H/C	HEATING DEGREE DAYS	1957	1506	1389	1343	805	479	396	524	668	931	1157	1493	12648	
	COOLING DEGREE DAYS	0	0	0	0	0	0	1	0	0	0	0	0	1	
RH	MEAN (PERCENT)	73	79	75	82	75	68	82	76	85	80	78	80	78	
	HOUR 03 LST	74	78	77	85	81	76	88	86	88	82	78	79	81	
	HOUR 09 LST	71	80	76	84	76	63	80	79	87	83	80	80	78	
	HOUR 15 LST	72	78	74	79	71	64	80	68	79	72	75	81	74	
	HOUR 21 LST	73	79	74	81	71	64	78	73	88	81	78	80	77	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	2	2	1	6	4	0	0	0	1	0	0	2	18	
	THUNDERSTORMS	0	0	0	0	1	0	0	0	0	0	0	0	1	
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.)	29.62	29.58	30.12	30.09	29.91	29.86	29.91	29.91	29.64	29.70	29.46	29.45	29.77	
	MEAN SEA-LEVEL PRESS. (IN.)	29.64	29.60	30.14	30.11	29.93	29.88	29.93	29.93	29.67	29.73	29.48	29.47	29.79	
WINDS	RESULTANT SPEED (MPH)	4.4	8.2	9.6	0.4	2.0	3.3	3.3	3.8	0.9	6.9	5.9	6.7	2.7	
	RES. DIR. (TENS OF DEGS.)	05	07	08	21	09	25	23	28	15	05	04	06	06	
	MEAN SPEED (MPH)	9.5	11.7	11.2	8.5	9.3	8.3	8.1	9.3	10.3	10.8	9.4	9.8	9.7	
	PREVAIL. DIR. (TENS OF DEGS.)	36	09	08	07	08	25	26	26	09	07	05	08	08	
	MAXIMUM 2-MINUTE WIND:														
	SPEED (MPH)	39	38	39	39	29	29	24	30	29	33	36	32	39	
	DIR. (TENS OF DEGS.)	09	01	06	30	10	25	26	03	36	03	03	09	30	
	DATE OF OCCURRENCE	16	11	10	17	04	12	30+	20+	12	22	04	19+	APR 17	
	MAXIMUM 5-SECOND WIND:														
	SPEED (MPH)	49	44	47	48	33	31	28	36	37	39	44	39	49	
DIR. (TENS OF DEGS.)	09	02	05	30	10	25	25	29	01	03	02	09	09		
DATE OF OCCURRENCE	16	12	10	17	04	12	30	18	12	22	04	19	JAN 16		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	1.42	1.36	0.49	1.50	0.54	0.30	1.52	0.62	2.97	1.45	0.82	0.98	13.97	
	GREATEST 24-HOUR (IN.)	0.37	0.41	0.28	0.50	0.21	0.10	0.37	0.23	0.47	0.34	0.35	0.32	0.50	
	DATE OF OCCURRENCE	14	22-23	15-16	16-17	05	13-14	02-03	17	04-05	29-30	23-24	03-04	APR 16-17	
	NUMBER OF DAYS WITH:														
	PRECIPITATION ≥ 0.01	10	14	5	9	8	8	13	8	22	18	11	12	138	
PRECIPITATION ≥ 0.10	5	5	3	6	2	0	7	2	11	7	2	4	54		
PRECIPITATION ≥ 1.00	0	0	0	0	0	0	0	0	0	0	0	0	0		
SNOWFALL	SNOW, ICE PELLETS, HAIL:														
	TOTAL (IN.)	24.6	24.1	5.2	18.3	3.6	0.0	0.0	0.0	0.0	1.1	4.8	5.7	87.4	
	GREATEST 24-HOUR (IN.)	4.7	6.7	2.3	5.2	1.2	0.0	0.0	0.0	0.0	0.5	1.5	2.2	6.7	
	DATE OF OCCURRENCE	14	22-23	16	16	07					06	29	04	FEB 22-23	
	MAXIMUM SNOW DEPTH (IN.)	18	21	14	14	7	0	0	0	0	0	3	3	21	
	DATE OF OCCURRENCE	31+	25+	01	26+	03+						30	19+	FEB 25+	
	NUMBER OF DAYS WITH:														
SNOWFALL ≥ 1.0	8	8	3	7	1	0	0	0	0	0	1	2	30		

# NORMALS, MEANS, AND EXTREMES

NOME, AK (OME)

LATITUDE: 64° 30' 48" N      LONGITUDE: 165° 26' 36" W      ELEVATION (FT): GRND: 15      BARO: 18      TIME ZONE: ALASKA (UTC + 9)      WBAN: 26617

ELEMENT		POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	13.4	13.6	17.7	26.8	43.0	53.9	58.6	56.0	48.6	34.0	23.0	15.8	33.7
	MEAN DAILY MAXIMUM	54	13.6	13.3	17.5	26.5	42.2	53.2	57.0	55.4	48.4	33.8	22.8	13.9	33.1
	HIGHEST DAILY MAXIMUM	56	43	48	43	51	78	81	86	81	71	59	47	43	86
	YEAR OF OCCURRENCE		1977	1986	1984	1988	1981	1957	1977	1977	1979	1954	2002	1969	JUL 1977
	MEAN OF EXTREME MAXS.	54	34.1	33.5	34.6	40.3	60.0	70.9	72.7	67.7	59.3	45.8	36.8	32.9	49.0
	NORMAL DAILY MINIMUM	30	-1.8	-2.3	1.0	12.4	31.1	40.6	46.6	45.2	37.2	22.9	10.8	.9	20.4
	MEAN DAILY MINIMUM	54	-1.9	-3.1	.0	11.3	29.5	39.3	45.1	44.0	36.3	22.1	10.2	-1.0	19.3
	LOWEST DAILY MINIMUM	56	-54	-42	-46	-30	-11	23	30	26	9	-10	-39	-41	-54
	YEAR OF OCCURRENCE		1989	1978	1971	1968	1949	1974	1994	1994	1992	1966	1948	1961	JAN 1989
	MEAN OF EXTREME MINS.	54	-27.9	-28.3	-25.1	-12.6	14.0	30.1	36.3	32.8	23.7	5.2	-12.2	-24.4	1.0
	NORMAL DRY BULB	30	7.0	3.9	8.6	17.6	35.6	45.9	51.5	50.2	42.5	28.0	15.9	7.3	26.2
	MEAN DRY BULB	54	5.8	5.1	8.8	18.9	35.9	46.2	51.0	49.8	42.2	28.0	16.5	6.4	26.2
	MEAN WET BULB	16	4.4	7.3	9.9	19.4	33.1	44.0	49.1	47.5	40.0	26.7	15.8	8.4	25.5
	MEAN DEW POINT	16	- .8	1.7	4.1	14.4	28.7	39.5	46.1	44.8	36.1	22.2	10.8	3.3	20.9
	NORMAL NO. DAYS WITH:														
MAXIMUM ≥ 70°	30	0.0	0.0	0.0	0.0	0.3	2.1	3.6	1.0	0.0	0.0	0.0	0.0	7.0	
MAXIMUM ≤ 32°	30	27.7	25.6	27.5	21.5	4.7	0.0	0.0	0.0	0.1	12.7	24.8	27.5	172.1	
MINIMUM ≤ 32°	30	30.7	27.9	30.8	29.4	20.2	3.7	0.2	1.3	9.2	25.9	29.4	30.8	239.5	
MINIMUM ≤ 0°	30	15.7	17.1	15.5	9.0	0.4	0.0	0.0	0.0	0.0	0.6	7.5	16.6	82.4	
H/C	NORMAL HEATING DEG. DAYS	30	1836	1663	1710	1361	867	533	387	446	664	1134	1444	1756	13801
	NORMAL COOLING DEG. DAYS	30	0	0	0	0	0	0	2	0	0	0	0	0	2
RH	NORMAL (PERCENT)	30	72	69	71	74	74	74	78	80	75	74	74	72	74
	HOUR 03 LST	30	73	70	71	76	78	81	84	84	80	77	75	72	77
	HOUR 09 LST	30	72	70	72	74	73	74	79	82	79	77	75	72	75
	HOUR 15 LST	30	72	67	68	72	70	70	74	75	68	68	73	72	71
	HOUR 21 LST	30	72	70	71	74	72	70	75	78	76	76	75	72	73
S	PERCENT POSSIBLE SUNSHINE	40	40	55	54	54	50	43	37	32	36	35	31	34	42
W/O	MEAN NO. DAYS WITH:														
	HEAVY FOG(VISBY≤1/4 MI)	57	2.0	1.6	1.5	1.5	3.0	3.5	2.9	1.4	0.5	0.4	1.2	1.7	21.2
	THUNDERSTORMS	57	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.1	0.0	0.0	0.0	0.6	
CLOUDINESS	MEAN:														
	SUNRISE-SUNSET (OKTAS)	51	5.0	4.3	4.5	4.9	5.3	5.4	6.1	6.5	5.9	5.5	5.3	5.0	5.3
	MIDNIGHT-MIDNIGHT (OKTAS)	32	4.5	4.0	4.1	4.6	5.2	5.4	6.0	6.2	5.7	5.0	5.1	4.6	5.0
	MEAN NO. DAYS WITH:														
	CLEAR	51	10.0	11.4	11.2	9.1	7.1	5.8	3.7	2.7	4.5	6.9	7.4	9.8	89.6
PARTLY CLOUDY	51	4.4	3.8	5.2	6.4	7.6	9.0	6.8	5.7	5.5	5.6	4.2	3.9	68.1	
CLOUDY	51	16.6	13.1	14.6	14.5	16.5	15.3	19.8	22.0	19.4	18.0	18.0	16.7	204.5	
PR	MEAN STATION PRESSURE(IN)	29	29.70	29.83	29.80	29.80	29.81	29.80	29.90	29.79	29.70	29.72	29.67	29.69	29.77
	MEAN SEA-LEVEL PRES. (IN)	18	29.76	29.84	29.87	29.86	29.86	29.98	29.90	29.84	29.74	29.75	29.70	29.70	29.82
WINDS	MEAN SPEED (MPH)	41	11.0	10.8	9.8	10.2	10.0	9.7	9.5	10.7	11.0	10.6	11.5	10.4	10.4
	PREVAIL.DIR(TENS OF DEGS)	22	08	08	08	08	08	26	25	22	36	36	08	08	08
	MAXIMUM 2-MINUTE:														
	SPEED (MPH)	4	46	46	39	43	32	31	35	33	36	33	40	37	46
	DIR. (TENS OF DEGS)		06	03	06	01	36	36	11	10	24	03	01	09	03
	YEAR OF OCCURRENCE		1999	2001	2002	2001	2001	2001	2001	2000	2000	2002	2000	2000	FEB 2001
	MAXIMUM 5-SECOND:														
SPEED (MPH)	4	55	55	47	48	40	39	41	40	40	39	47	45	55	
DIR. (TENS OF DEGS)		06	03	05	30	36	02	13	10	24	03	02	09	03	
YEAR OF OCCURRENCE		1999	2001	2002	2002	2001	2001	2001	2000	2000	2002	2000	2000	FEB 2001	
PRECIPITATION	NORMAL (IN)	30	0.92	0.75	0.60	0.65	0.74	1.14	2.15	3.23	2.51	1.58	1.28	1.01	16.56
	MAXIMUM MONTHLY (IN)	56	2.43	2.11	1.95	2.15	2.78	4.15	4.78	8.58	7.46	3.84	4.39	2.16	8.58
	YEAR OF OCCURRENCE		2000	1989	1954	1961	1998	1978	1999	1998	1986	1972	1979	1951	AUG 1998
	MINIMUM MONTHLY (IN)	56	T	T	T	0.01	0.04	0.04	0.25	0.40	0.39	T	0.03	0.03	T
	YEAR OF OCCURRENCE		1970	1979	1971	1992	1994	1964	1964	1971	1968	1974	1962	1956	FEB 1979
	MAXIMUM IN 24 HOURS (IN)	56	1.23	0.77	0.65	0.75	1.01	2.03	1.77	2.99	1.49	2.28	1.15	1.09	2.99
	YEAR OF OCCURRENCE		1963	1975	1954	1995	1996	1953	1954	1976	1978	1957	1994	1951	AUG 1976
	NORMAL NO. DAYS WITH:														
PRECIPITATION ≥ 0.01	30	11.1	7.6	8.9	9.3	8.4	9.2	12.8	15.3	13.8	11.1	12.0	10.3	129.8	
PRECIPITATION ≥ 1.00	30	*	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.2	*	0.0	0.0	0.6	
SNOWFALL	NORMAL (IN)	30	11.6	9.0	7.4	7.0	2.6	0.2	0.0	0.*	0.5	5.4	13.2	12.5	69.4
	MAXIMUM MONTHLY (IN)	56	33.2	33.0	19.7	23.3	10.0	2.5	0.0	0.1	3.5	20.1	30.9	29.7	33.2
	YEAR OF OCCURRENCE		2000	1996	1954	1961	1977	1982		1965	1992	1996	1994	1994	JAN 2000
	MAXIMUM IN 24 HOURS (IN)	56	10.4	9.8	7.0	7.1	5.3	1.7	0.0	0.1	2.6	6.7	8.7	14.0	14.0
	YEAR OF OCCURRENCE		1999	1996	1993	1997	1952	1982		1965	1948	1996	1979	1997	DEC 1997
	MAXIMUM SNOW DEPTH (IN)	53	60	67	57	69	37	3	0	0	2	9	26	46	69
	YEAR OF OCCURRENCE		1995	1949	1995	1949	1949	1952			1993	1948	1948	1994	APR 1949
NORMAL NO. DAYS WITH:															
SNOWFALL ≥ 1.0	30	3.7	3.0	2.4	2.4	1.0	0.0	0.0	0.0	0.2	1.7	4.6	4.2	23.2	

PRECIPITATION (inches) 2002 NOME, AK (OME)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1973	1.70	0.23	0.13	0.10	0.27	0.92	2.10	3.97	2.49	2.36	1.90	0.96	17.13
1974	0.82	0.09	0.49	0.21	0.10	0.42	3.28	3.53	0.79	T	0.84	0.09	10.66
1975	0.61	1.69	0.66	1.06	0.12	1.15	2.20	2.64	1.58	0.53	0.36	0.64	13.24
1976	0.39	0.30	0.76	0.28	0.22	1.19	0.96	2.99	1.21	1.39	0.58	0.17	10.44
1977	0.91	0.47	0.80	0.30	0.90	0.63	0.32	1.51	5.29	0.51	0.18	1.81	13.63
1978	0.43	0.40	0.22	1.09	0.39	4.15	1.67	2.49	3.54	0.75	1.73	1.20	18.06
1979	1.07	T	0.34	1.63	0.12	2.88	2.53	4.08	3.49	0.74	4.39	0.79	22.06
1980	1.45	1.23	0.71	0.43	1.08	3.78	2.51	1.50	1.21	1.65	0.94	0.47	16.96
1981	1.46	1.44	0.82	1.03	0.66	0.80	3.37	2.52	0.92	1.63	0.68	1.19	16.52
1982	1.51	1.59	0.84	0.69	1.23	1.55	1.62	1.72	3.72	1.39	2.20	1.19	19.25
1983	0.22	0.07	0.12	1.18	0.51	0.31	1.47	3.34	2.25	1.87	1.64	1.11	14.09
1984	0.61	0.01	0.22	0.87	0.45	0.80	3.30	4.45	1.58	0.92	0.40	1.31	14.92
1985	0.61	0.56	1.55	0.07	1.12	1.38	1.12	3.90	4.81	3.71	1.12	1.29	21.24
1986	0.40	0.66	0.03	0.51	0.31	0.24	2.84	2.76	7.46	0.35	1.09	1.17	17.82
1987	0.95	0.56	0.49	0.11	0.37	0.60	0.97	1.91	2.42	1.83	0.65	1.17	12.03
1988	0.45	1.41	0.86	0.29	0.97	1.41	0.32	4.12		0.28	0.44	1.39	
1989	0.84	2.11	0.39	1.73	2.02	0.29	4.66	3.29	2.26	1.23	1.20	0.72	20.74
1990	0.89	0.52	0.70	1.09	2.00	1.17	4.66	4.30	1.86	2.35	1.56	1.28	22.38
1991	1.13	0.43	0.55	0.64	0.35	2.28	2.44	0.75	2.69	2.31	0.14	0.46	14.17
1992	0.37	0.53	1.18	0.01	0.23	0.42	0.61	3.94	1.75	1.51	0.95	1.29	12.79
1993	1.14	1.14	1.68	0.18	0.52	0.39	0.92	3.15	2.57	2.78	2.83	1.88	19.18
1994	0.50	0.76	1.21	0.29	0.04	0.14	2.28	7.79	1.90	1.50	1.94	1.87	20.22
1995	1.52	1.47	0.49	1.67	0.84	0.90	1.18	1.86	1.59	2.97	0.39	0.58	15.46
1996	0.89	2.01	0.40	0.07	2.32	0.75	1.89	3.46	0.90	1.68	1.26	0.64	16.27
1997	1.14	0.75	0.14	0.85	1.17	0.06	2.25	4.46	2.09	0.98	3.33	1.16	18.38
1998	1.04	0.19	1.78	1.64	2.78	2.34	0.90	8.58	3.48	1.92	1.21	1.04	26.90
1999	1.41	0.75	0.12	0.97	0.12	0.63	4.78	1.85	3.42	0.65	0.32	0.21	15.23
2000	2.43	1.17	0.21	0.11	0.56	0.19	3.39	4.36	3.06	1.40	2.14	1.44	20.46
2001	1.36	1.33	0.12	1.71	0.45	1.17	2.15	3.16	0.73	0.65	0.03	0.57	13.43
2002	1.42	1.36	0.49	1.50	0.54	0.30	1.52	0.62	2.97	1.45	0.82	0.98	13.97
POR= 86 YRS	1.01	0.83	0.73	0.73	0.68	1.11	2.32	3.34	2.59	1.49	1.03	0.91	16.77

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AVERAGE TEMPERATURE (°F) 2002 NOME, AK (OME)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1973	-5.3	10.7	1.6	18.3	35.2	42.6	45.5	45.3	42.1	26.2	17.6	7.4	23.9
1974	5.1	-9.4	10.5	20.9	38.2	43.1	50.7	51.3	45.2	24.4	10.0	-6.4	23.6
1975	-7	2.1	6.9	13.4	33.9	42.4	51.4	49.5	37.5	25.4	7.5	1.9	22.6
1976	0.0	-14.0	3.0	9.7	33.1	42.4	48.6	51.3	45.1	29.2	16.3	9.3	22.8
1977	24.2	17.0	-5.1	9.4	32.9	45.2	56.3	56.4	44.9	27.0	10.9	8.3	27.3
1978	21.6	11.8	10.6	24.9	42.1	44.7	54.5	54.3	46.6	27.0	23.9	14.3	31.4
1979	20.0	-1.0	15.5	25.5	41.8	47.3	50.6	53.1	44.6	34.7	24.5	-3.8	29.4
1980	0.9	13.1	17.9	23.8	43.2	43.8	53.8	49.7	42.6	31.8	19.9	1.4	28.5
1981	19.5	8.1	22.2	24.3	42.7	50.2	49.7	50.9	41.1	28.5	16.4	7.5	30.1
1982	11.0	11.7	9.9	12.4	33.6	49.2	55.4	53.0	45.1	25.1	19.8	13.8	28.3
1983	2.7	11.1	16.9	25.0	43.8	49.2	56.2	47.6	40.3	26.7	22.0	20.9	30.2
1984	2.0	-14.2	18.3	12.4	31.1	49.7	51.1	44.9	45.0	29.5	16.0	12.0	24.8
1985	24.4	-6	5.8	1.3	31.8	41.1	51.5	50.9	40.8	25.8	20.7	24.3	26.5
1986	5.2	14.5	6.3	12.1	33.6	51.9	52.6	48.6	41.9	28.0	21.0	19.4	27.9
1987	6.1	10.5	16.8	18.5	36.9	49.1	53.0	52.1	38.8	33.2	11.8	4.6	27.6
1988	13.6	7.6	6.5	23.0	43.2	47.9	53.0	51.4		25.6	7.9	8.4	
1989	-15.2	22.5	13.2	24.7	31.4	46.8	49.8	50.6	46.3	30.1	9.7	12.5	26.9
1990	2.4	-17.3	10.8	26.0	40.0	47.2	56.0	54.4	40.3	30.4	14.6	3.8	25.7
1991	6.9	5.9	8.6	25.0	38.8	51.1	55.1	51.6	48.0	33.3	17.3	0.1	28.5
1992	8.3	-1	5.2	21.7	27.5	47.7	52.0	48.3	33.7	23.7	12.8	4.1	23.7
1993	-4.6	14.8	13.2	27.6	40.2	51.8	56.2	49.9	38.9	32.5	21.6	15.3	29.8
1994	5.0	12.3	3.3	19.5	42.3	47.8	50.6	48.6	42.4	23.8	8.5	3.7	25.7
1995	8.0	11.1	4.9	25.7	41.6	43.0	49.7	50.0	47.7	29.3	15.7	15.1	28.5
1996	4.5	3.9	17.3	21.4	38.5	44.1	52.6	47.8	39.7	21.8	18.9	8.8	26.6
1997	5.2	13.4	4.7	26.7	40.2	48.3	51.1	51.8	48.4	25.6	23.2	0.6	28.3
1998	2.9	8.6	21.2	26.0	35.3	47.4	53.5	46.0	41.8	31.6	20.9	5.6	28.4
1999	-1.9	-1.9	4.2	17.1	31.3	47.6	48.8	49.2	43.8	25.1	11.6	-9.4	22.1
2000	0.8	21.4	16.2	21.3	31.9	48.9	50.1	47.7	39.4	29.5	23.3	23.9	29.5
2001	16.5	18.5	7.6	21.9	27.4	44.7	48.3	48.1	42.3	22.9	13.7	-3.5	25.7
2002	1.7	11.0	20.0	20.0	38.9	48.8	52.0	47.8	42.5	34.8	26.2	16.6	30.0
POR= 86 YRS	5.3	5.5	8.7	19.4	35.1	45.9	50.5	49.6	42.1	28.6	16.3	6.7	26.1

HEATING DEGREE DAYS (base 65°F) 2002 NOME, AK (OME)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1973-74	598	604	679	1197	1417	1783	1857	2083	1685	1316	823	652	14694
1974-75	435	419	590	1255	1649	2214	2038	1760	1799	1545	960	673	15337
1975-76	414	476	818	1222	1724	1956	2015	2297	1922	1656	983	674	16157
1976-77	502	417	591	1100	1458	1725	1255	1338	2173	1667	988	589	13803
1977-78	274	272	598	1169	1619	1756	1338	1487	1682	1195	705	605	12700
1978-79	321	323	543	1171	1225	1567	1387	1847	1526	1176	715	522	12323
1979-80	435	360	606	935	1207	2134	1990	1501	1459	1229	668	631	13155
1980-81	341	468	669	1022	1346	1969	1404	1595	1317	1215	682	437	12465
1981-82	468	428	709	1123	1454	1779	1669	1494	1705	1575	969	476	13849
1982-83	288	367	590	1233	1350	1583	1930	1507	1490	1194	648	465	12645
1983-84	267	533	734	1179	1287	1362	1956	2305	1445	1575	1043	455	14141
1984-85	422	617	593	1094	1463	1640	1251	1840	1834	1910	1023	711	14398
1985-86	424	433	717	1207	1325	1254	1855	1412	1816	1583	963	392	13381
1986-87	379	503	687	1142	1310	1410	1823	1521	1490	1389	863	467	12984
1987-88	364	392	780	978	1592	1876	1588	1665	1813	1256	670	506	13480
1988-89	363	415		1212	1711	1751	2488	1183	1601	1206	1030	539	
1989-90	466	443	558	1074	1654	1623	1940	2308	1679	1164	768	527	14204
1990-91	284	320	734	1066	1508	1897	1797	1654	1743	1198	804	410	13415
1991-92	301	407	504	975	1423	2014	1753	1887	1850	1295	1154	513	14076
1992-93	398	510	934	1272	1560	1886	2159	1404	1599	1115	764	390	13991
1993-94	284	461	774	999	1298	1536	1860	1473	1915	1358	695	511	13164
1994-95	443	503	670	1270	1690	1901	1764	1507	1863	1173	718	654	14156
1995-96	467	459	512	1101	1470	1543	1876	1772	1473	1304	815	619	13411
1996-97	379	526	751	1333	1375	1735	1850	1439	1865	1139	760	496	13648
1997-98	426	401	493	1215	1248	1990	1917	1571	1351	1160	916	522	13210
1998-99	353	580	688	1025	1317	1834	2069	1865	1878	1427	1035	517	14588
1999-00	494	481	626	1230	1598	2301	1985	1259	1504	1304	1018	474	14274
2000-01	455	533	761	1095	1244	1267	1494	1295	1770	1285	1157	602	12958
2001-02	508	517	674	1295	1532	2115	1957	1506	1389	1343	805	479	14120
2002-	396	524	668	931	1157	1493							

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COOLING DEGREE DAYS (base 65°F) 2002 NOME, AK (OME)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1973	0	0	0	0	0	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	1	0	0	0	0	0	0	1
1975	0	0	0	0	0	0	1	0	0	0	0	0	1
1976	0	0	0	0	0	0	0	1	0	0	0	0	1
1977	0	0	0	0	0	0	11	10	0	0	0	0	21
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	7	0	0	0	0	0	0	7
1983	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	2	0	0	0	0	0	0	2
1985	0	0	0	0	0	0	12	0	0	0	0	0	12
1986	0	0	0	0	0	4	2	0	0	0	0	0	6
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	7	0	0	0	0	0	7
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	19	0	0	0	0	0	19
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	2	0	0	0	0	0	2
1997	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	3	0	0	0	0	0	3
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	1	0	0	0	0	0	1

SNOWFALL (inches) 2002 NOME, AK (OME)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1973-74	0.0	0.0	0.3	13.4	15.1	12.9	3.6	1.5	7.1	3.5	1.3	T	58.7
1974-75	0.0	0.0	T	0.4	14.2	2.3	9.6	21.3	8.0	13.8	1.1	0.0	70.7
1975-76	0.0	0.0	T	4.2	5.7	9.4	6.4	4.6	10.4	4.9	1.5	T	47.1
1976-77	0.0	0.0	0.0	2.9	7.4	3.6	7.1	5.5	9.4	4.1	10.0	1.6	51.6
1977-78	0.0	0.0	0.2	2.0	6.5	23.4	5.7	4.7	3.0	9.5	0.6	0.0	55.6
1978-79	0.0	0.0	T	8.1	15.6	14.0	11.8	T	4.1	12.2	0.0	T	65.8
1979-80	0.0	0.0	T	3.2	24.1	9.6	16.3	10.2	8.1	5.0	1.4	0.0	77.9
1980-81	0.0	T	T	5.2	9.6	4.9	14.7	11.6	5.9	10.4	4.6	0.0	66.9
1981-82	0.0	0.0	1.4	4.0	7.8	14.8	17.3	2.6	8.0	6.8	2.7	2.5	67.9
1982-83	0.0	0.0	T	8.2	23.6	13.0	2.4	1.4	1.7	10.2	1.5	0.0	62.0
1983-84	0.0	0.0	0.1	1.4	14.8	8.8	6.6	0.1	1.1	9.8	4.8	0.0	47.5
1984-85	0.0	T	0.0	2.5	5.5	13.6	4.5	5.9	11.2	0.7	8.5	T	52.4
1985-86	0.0	0.0	T	1.2	10.9	9.1	4.4	6.1	0.3	4.2	1.8	0.0	38.0
1986-87	0.0	0.0	1.8	2.3	4.6	10.6	9.7	5.7	4.9	1.5	0.9	T	42.0
1987-88	0.0	0.0	0.5	6.2	6.8	11.0	4.8	14.2	8.6	2.6	1.2	0.0	55.9
1988-89	0.0	0.0		1.4	5.7	15.0	10.6	23.2	5.8	16.4	6.4	T	
1989-90	0.0	0.0	T	4.8	22.2	8.4	11.1	7.6	8.2	8.8	0.8	0.0	71.9
1990-91	0.0	0.0	0.1	4.9	17.1	14.2	11.3	5.5	7.7	8.6	T	T	69.4
1991-92	0.0	0.0	0.0	1.8	1.4	6.8	5.8	7.4	19.2	0.1	3.5	0.0	46.0
1992-93	0.0	0.0	3.5	11.0	10.6	14.9	12.2	11.5	19.6	0.8	1.5	0.0	85.6
1993-94	0.0	0.0	2.9	3.2	21.5	28.7	8.2	4.0	12.4	3.6	T	T	84.5
1994-95	0.0	0.0	0.5	7.1	30.9	29.7	21.5	19.7	8.8	11.2	T	T	129.4
1995-96	0.0	0.0	0.0	8.6	5.2	8.0	12.4	33.0	5.9	1.8	4.3	T	79.2
1996-97	0.0	0.0	0.1	20.1	10.5	11.5	17.9	10.9	1.4	11.9	2.5	0.0	86.8
1997-98	0.0	0.0	0.0	4.1	28.0	20.2	14.1	3.0	19.2	15.0	5.9	0.0	109.5
1998-99	0.0	0.0	0.0	6.4	10.4	13.8	20.9	16.6	2.4	12.9	0.3	0.3	84.0
1999-00	0.0	0.0	0.8	0.7	6.9	5.5	33.2	17.1	3.2	1.1	3.3	0.0	71.8
2000-01	0.0	0.0	T	11.4	15.9	19.0	18.3	18.2	2.4	19.7	5.2	1.0	111.1
2001-02	0.0	0.0	T	T	0.9	8.0	24.6	24.1	5.2	18.3	3.6	0.0	84.7
2002-	0.0	0.0	0.0	1.1	4.8	5.7							
POR= 55 YRS	0.0	0.0	0.5	4.6	11.1	10.1	10.6	8.0	7.3	7.5	2.5	0.1	62.3

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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 EIGHTS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER.</p>
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2002  
NOME,  
ALASKA (OME)

The weather station at Nome is located at Nome Field, approximately 1 mile northwest of the city. Low, marshy flats lie between the station and Norton Sound to the south, exposing the station to winds from the southeast through the west. A series of foothills, with heights of 500 to 1,200 feet, extend from northwest through north to east at a distance of from 4 to 8 miles. The terrain increases in ruggedness and height farther north, with the Kigluaik Mountains reaching a height of 5,000 feet at a distance of 30 miles. The ground along the coastal flats is swampy during the summer months, but is permanently frozen below a depth of 2 to 3 feet. Vegetation in the Nome area consists mostly of grass and numerous small flowering plants.

The moderating influence of the open water of Norton Sound is effective only from early June to about the middle of November. Storms moving through this area during these months result in extended periods of cloudiness and rain. There is a nearly continuous cloud cover during July and August. During the summer months the daily temperature range is very slight. The freezing of Norton Sound in November causes a rather abrupt change from a maritime to a continental climate. The majority of low pressure systems during this period take a path south of Nome, resulting in strong easterly winds, accompanied by frequent blizzards, with the winds later becoming northerly and reaching Nome across the colder frozen areas of northern Alaska.

Temperatures generally remain well below freezing from the middle of November to the latter part of April, with January usually the coldest month of the year. Temperatures usually begin to rise near the end of February and continue to rise until they reach a maximum in July.

Precipitation reaches its maximum during the late summer months and drops to a minimum in April and May. Snow begins to fall in September, but usually does not accumulate on the ground until the first part of November. The snow cover decreases rapidly in April and May, and normally disappears by the middle of June. Snow depths in Nome have exceeded 70 inches.

Severe windstorms do occur with winds over 70 mph recorded several times. Strong winds during the winter months when there is snow cover produce blowing snow conditions that severely hinder transportation in the area.

# STATION LOCATION

NOME, ALASKA

LOCATION	Occupied From	Occupied To	Airline Distances and Directions from previous Location	LATITUDE NORTH	LONGITUDE WEST	ELEVATION ABOVE										AUTOMATIC OBSERVING EQUIPMENT * REMARKS	
						SEA LEVEL	GROUND										HYGROMETER
							GROUND	WIND INSTRUMENT	EXTREME THERMOMETER	PSYCHROMETER	SUNSHINE SWITCH	TIPPING GAUGE	WEIGHING RAIN GAUGE	8 INCH RAIN GAUGE			
*NOTE: <u>AIRPORT</u>																	
Hangar No. 1, Nome Army Air Base (Marks Field)	3/27/46	12/04/50	1-1/4 mi. NW	64°30'	165°26'	13	75	10	10		5		5				
Guest House, Nome Field (Formerly Marks Field)	12/04/50	9/01/61	1/4 mi. E	64°30'	165°26'	13	a70	8	8				b28	c15		a. 53 ft. 12/4/50 to 7/26/57, and 32 ft. 7/26/57 to 8/13/58. b. Installed 9/1/61. c. 13 ft. to 9/1/61.	
FSS Building Nome Field	6/18/63	8/13/66	650 ft. W	64°30'	165°26'	13	70	5	5	30			d6	6		Wind equipment rotor and vane remain on beacon tower 850 ft. East of office. d. Decommissioned 1/64.	
FSS Building Nome Field	8/13/66	07/01/98	(A)	64°30'	165°26'	13	21	5	5	30 h30	NA	NA	7 g14	f5 i5	NA	(A). Office not moved. Instrument changes and relocations. f. Commissioned on site 1400 ft. NNW of thermometer site. g. Moved to roof 5/4/79. h. Type change 6/18/83. i. Type change 8/27/85.	
Nome Airport	07/01/98	Present	NA	64°31'	165°27'	j15									S	ASOS Commissioned 07/01/98 j. Ground elevation.	

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\* NOTES: For earlier station history see previous editions.