NOME AK	
Latitude = 64.50 N	WMO No. 702000
Longitude =165.40 W	Elevation = 23 feet
Period of Record = 1973 to 1996	Average Pressure = 29.75 inches Hg

Design Criteria Data

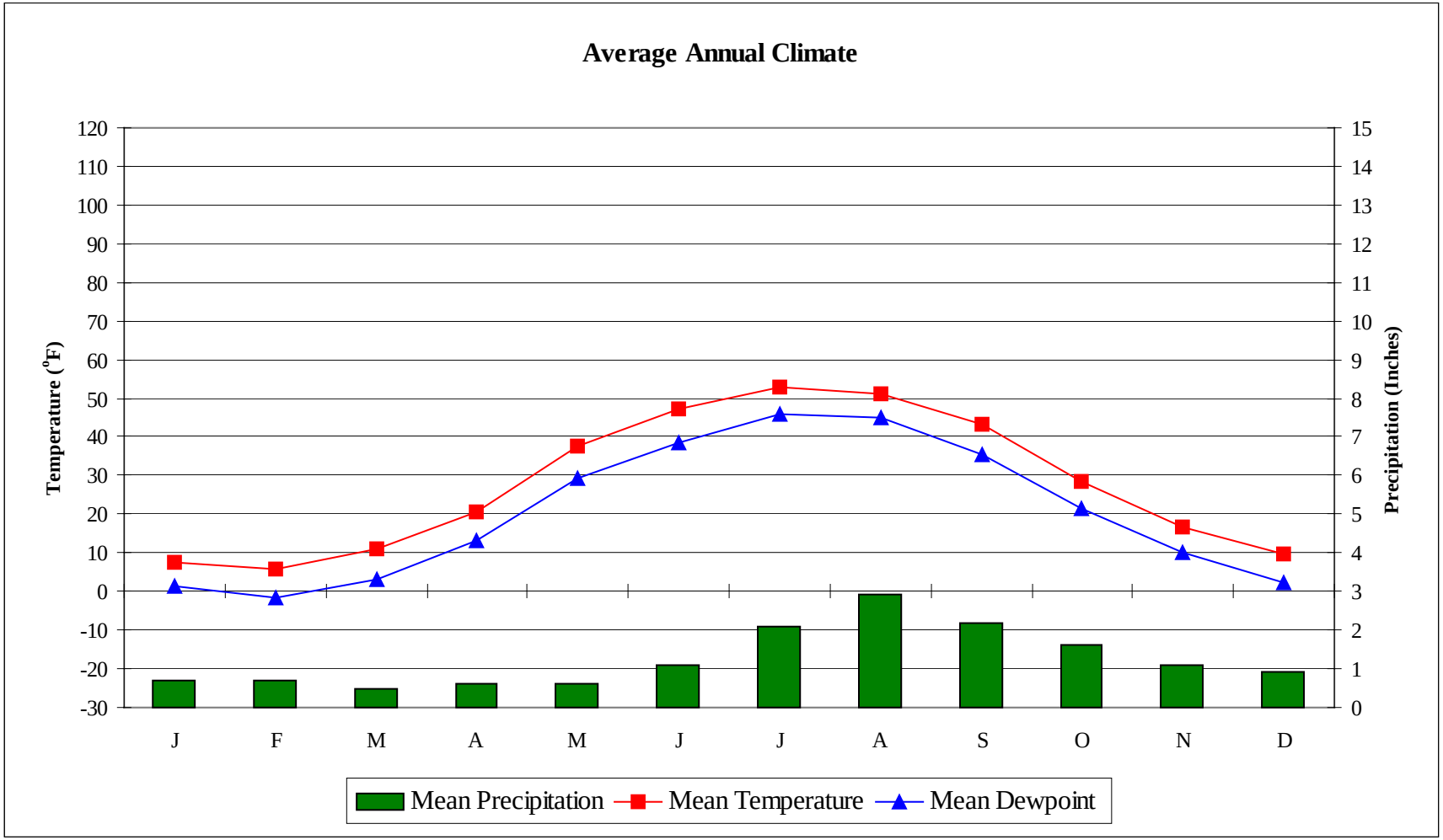
		Mean Coincident (Average) Values			
Dry Bulb Temperature (T)	**Design Value (^oF)**	Wet Bulb Temperature (^oF)	Humidity Ratio (gr/lb)	Wind Speed (mph)	Prevailing Direction (NSEW)
Median of Extreme Highs	76	61	55	12.0	NE
0.4% Occurrence	69	57	50	11.5	W
1.0% Occurrence	65	56	52	10.7	WSW
2.0% Occurrence	62	54	50	10.1	W
Mean Daily Range	12	-	-	-	-
97.5% Occurrence	-19	-19	1	3.3	N
99.0% Occurrence	-25	-25	1	2.8	N
99.6% Occurrence	-30	-30	1	3.1	N
Median of Extreme Lows	-32	-32	1	3.4	N
		Mean Coincident (Average) Values			
Wet Bulb Temperature (T_{wb})	**Design Value (^oF)**	Dry Bulb Temperature (^oF)	Humidity Ratio (gr/lb)	Wind Speed (mph)	Prevailing Direction (NSEW)
Median of Extreme Highs	61	70	66	10.9	W
0.4% Occurrence	59	66	63	10.3	W
1.0% Occurrence	57	63	59	10.0	W
2.0% Occurrence	55	60	56	10.1	ESE
		Mean Coincident (Average) Values			
Humidity Ratio (HR)	**Design Value (gr/lb)**	Dry Bulb Temperature (^oF)	Vapor Pressure (in. Hg)	Wind Speed (mph)	Prevailing Direction (NSEW)
Median of Extreme Highs	72	63	0.49	10.1	E
0.4% Occurrence	65	61	0.44	9.3	E
1.0% Occurrence	62	60	0.42	10.0	W
2.0% Occurrence	58	58	0.39	9.8	E
Air Conditioning/		$T \geq 93^oF$	$T \geq 80^oF$	$T_{wb} \geq 73^oF$	$T_{wb} \geq 67^oF$
Humid Area Criteria	# of Hours	0	1	0	0

Other Site Data

Weather Region	Rain Rate 100 Year Recurrence (in./hr)	Basic Wind Speed 3 sec gust @ 33 ft 50 Year Recurrence (mph)	Ventilation Cooling Load Index (Ton-hr/cfm/yr) Base 75^oF-RH 60% Latent + Sensible
2	0.8	130	0.0 + 0.0
Ground Water Temperature (^oF) 50 Foot Depth *	Frost Depth 50 Year Recurrence (in.)	Ground Snow Load 50 Year Recurrence (lb/ft^2)	Average Annual Freeze-Thaw Cycles (#)
Permafrost	Permafrost	80	51

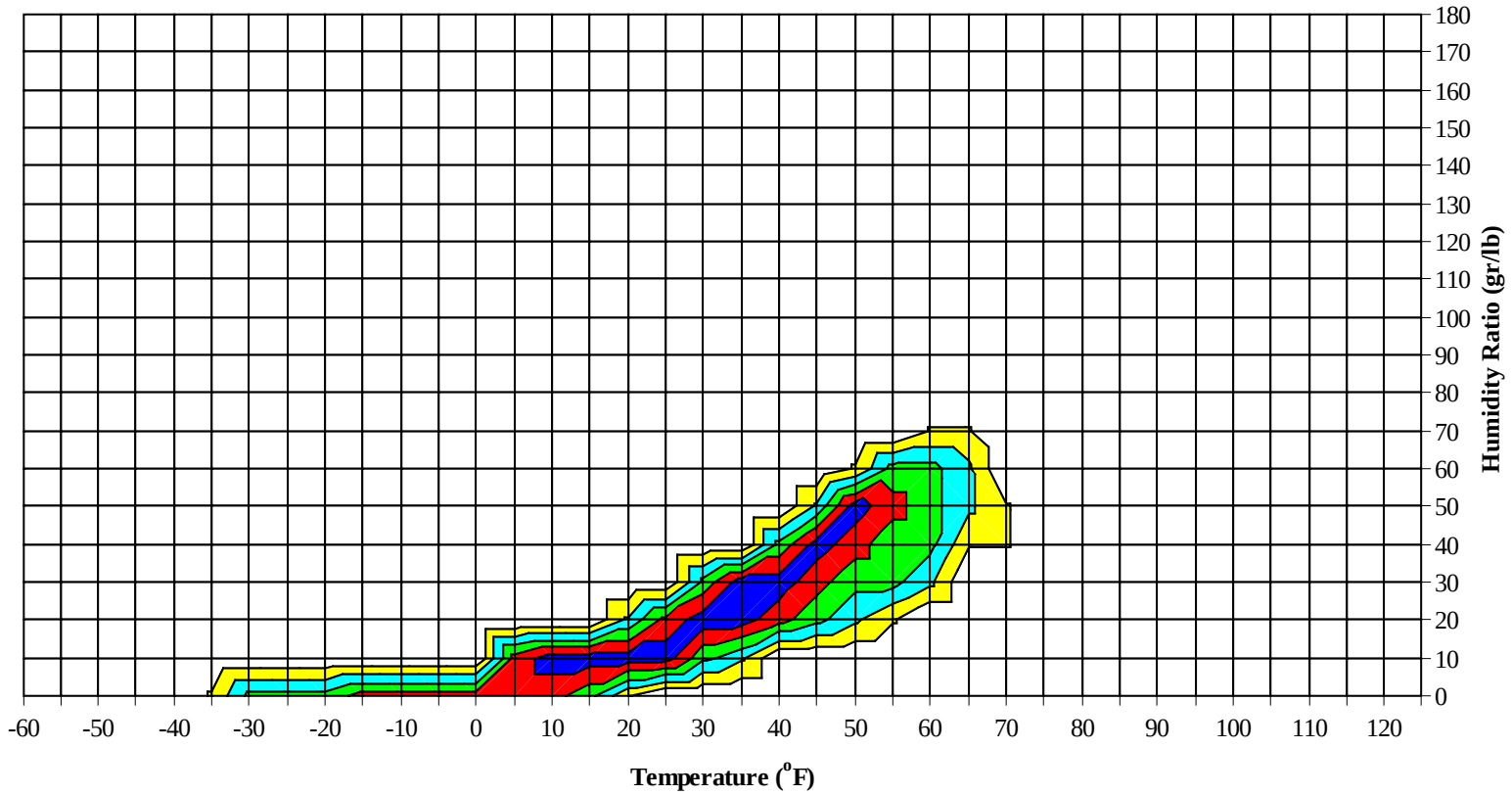
*Note: Temperatures at greater depths can be estimated by adding 1.5^oF per 100 feet additional depth.

NOME **AK** WMO No. 702000



NOME **AK** WMO No. 702000

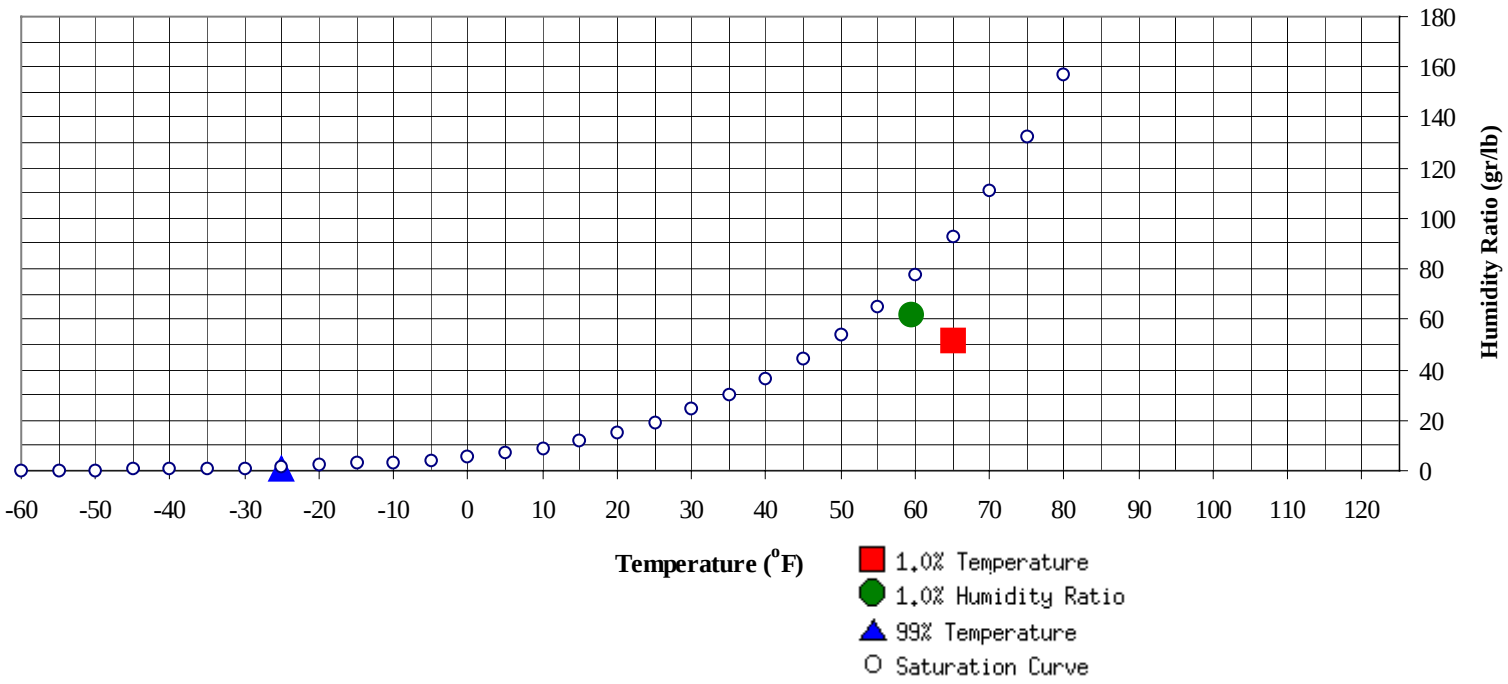
Long Term Psychrometric Summary



50% of all observations
80% of all observations
95% of all observations
97.5% of all observations
99% of all observations

NOME **AK** WMO No. 702000

Psychrometric Summary of Peak Design Values



	(°F)	MCHR (gr/lb)	Enthalpy (btu/lb)
99% Dry Bulb	-25	0.8	-5.9

	(gr/lb)	MCDB (°F)	MCWB (°F)	MC Dewpt (°F)	Enthalpy (btu/lb)
1.0% Humidity Ratio	61.6	59.5	56.1	53.6	23.8

	(°F)	MCHR (gr/lb)	MCWB (°F)	Enthalpy (btu/lb)
1.0% Dry Bulb	65	51.7	55.7	23.6

NOME **AK** WMO No. 702000

Dry-Bulb Temperature Hours For An Average Year (Sheet 1 of 5)

Period of Record = 1973 to 1996

Temperature Range (°F)	January Hour Group (LST) 01 To 08	09 To 16	17 To 00	Total Obs	MCWB (°F)	February Hour Group (LST) 01 To 08	09 To 16	17 To 00	Total Obs	MCWB (°F)	March Hour Group (LST) 01 To 08	09 To 16	17 To 00	Total Obs	MCWB (°F)
80 / 84															
75 / 79															
70 / 74															
65 / 69															
60 / 64															
55 / 59															
50 / 54			0	0	36.0										
45 / 49		0	0	0	36.0	0	0	0	0	36.7					
40 / 44	0	0	0	1	34.9	1	1	1	2	35.7	0	0	0	1	34.8
35 / 39	3	4	3	9	32.9	2	4	3	9	33.1	3	6	5	13	32.2
30 / 34	22	21	22	65	29.8	18	21	20	58	30.2	18	28	28	74	29.5
25 / 29	30	31	31	93	25.5	21	23	24	68	25.5	25	27	27	78	25.1
20 / 24	24	25	22	71	20.6	20	20	20	61	20.3	25	29	27	81	20.0
15 / 19	25	25	25	75	15.7	16	18	18	52	15.5	29	32	32	93	15.4
10 / 14	22	24	24	69	10.6	16	19	18	53	10.3	26	31	27	84	10.4
5 / 9	23	22	23	68	5.9	16	18	18	52	5.7	24	22	25	72	5.7
0 / 4	20	21	22	63	1.1	19	20	19	57	0.8	21	24	24	69	1.0
-5 / -1	11	12	12	35	-3.1	14	14	14	42	-3.4	15	14	15	43	-3.2
-10 / -6	14	14	13	41	-7.6	18	22	20	61	-7.7	17	15	16	48	-7.6
-15 / -11	13	14	12	39	-12.2	14	15	17	46	-12.3	16	10	11	37	-12.1
-20 / -16	13	12	14	38	-17.0	16	13	14	43	-16.9	12	5	6	22	-16.9
-25 / -21	10	11	10	31	-21.9	13	10	11	34	-21.8	8	3	3	14	-21.8
-30 / -26	8	7	8	22	-26.8	9	5	5	20	-26.8	5	2	2	9	-26.9
-35 / -31	4	4	4	12	-31.8	5	3	2	10	-31.6	2	0	1	3	-31.6
-40 / -36	2	2	2	5	-35.6	2	0	0	3	-36.0	1	0	0	1	-36.0
-45 / -41	2	1	1	4		0	0	0	0		0	0		0	-41.0
-50 / -46	0	0	0	0											
-55 / -51	0	0	0	0											

Caution: This summary reflects the typical distribution of temperature in a typical year. It does not reflect the typical moisture distribution. Because wet bulb temperatures are averaged, this summary understates the annual moisture load. For accurate moisture load data, see the long-term humidity summary and the ventilation and infiltration load pages in this manual.

NOME **AK** WMO No. 702000

Dry-Bulb Temperature Hours For An Average Year (Sheet 2 of 5)

Period of Record = 1973 to 1996

Temperature Range (°F)	April Hour Group (LST) 01 To 08	April 09 To 16	April 17 To 00	April Total Obs	April MCWB (°F)	May Hour Group (LST) 01 To 08	May 09 To 16	May 17 To 00	May Total Obs	May MCWB (°F)	June Hour Group (LST) 01 To 08	June 09 To 16	June 17 To 00	June Total Obs	June MCWB (°F)
80 / 84															
75 / 79							0	0	0	55.3		0	1	1	57.4
70 / 74							1	1	1	54.7		4	5	8	55.9
65 / 69						0	1	1	3	51.9	1	6	8	15	54.3
60 / 64						0	2	3	5	49.4	4	17	18	39	51.8
55 / 59						1	10	11	23	46.4	13	29	29	71	49.6
50 / 54		0	0	0	41.4	6	22	20	49	44.0	28	46	45	119	46.5
45 / 49	0	1	1	2	38.7	17	35	34	87	41.2	49	55	53	158	43.5
40 / 44	1	6	4	10	35.9	39	49	47	134	38.0	69	52	51	172	39.6
35 / 39	12	27	24	63	33.1	55	53	51	158	34.3	55	27	26	108	35.7
30 / 34	42	51	53	146	30.1	66	46	53	165	30.5	17	4	4	26	31.8
25 / 29	33	36	35	104	25.1	35	18	18	72	25.7	2	0	0	3	26.5
20 / 24	31	34	34	100	20.2	15	6	5	26	21.2	0			0	22.0
15 / 19	24	26	27	77	15.4	5	3	3	11	16.1					
10 / 14	22	22	24	67	10.4	2	2	2	5	10.8					
5 / 9	19	18	16	54	5.9	2	1	0	3	6.1					
0 / 4	18	10	11	40	1.2	1	0	0	2	1.3					
-5 / -1	12	5	5	22	-3.2	1			1	-2.9					
-10 / -6	13	3	4	21	-7.4	0			0	-6.0					
-15 / -11	9	1	1	11	-11.8										
-20 / -16	3	0	0	3	-16.5										
-25 / -21	0			0	-20.7										
-30 / -26															
-35 / -31															
-40 / -36															
-45 / -41															
-50 / -46															
-55 / -51															

Caution: This summary reflects the typical distribution of temperature in a typical year. It does not reflect the typical moisture distribution. Because wet bulb temperatures are averaged, this summary understates the annual moisture load. For accurate moisture load data, see the long-term humidity summary and the ventilation and infiltration load pages in this manual.

NOME **AK** WMO No. 702000

Dry-Bulb Temperature Hours For An Average Year (Sheet 3 of 5)

Period of Record = 1973 to 1996

Temperature Range (°F)	July Hour Group (LST) 01 To 08	July 09 To 16	July 17 To 00	July Total Obs	July MCWB (°F)	August Hour Group (LST) 01 To 08	August 09 To 16	August 17 To 00	August Total Obs	August MCWB (°F)	September Hour Group (LST) 01 To 08	September 09 To 16	September 17 To 00	September Total Obs	September MCWB (°F)
80 / 84		1	0	1	63.0			0	0	66.5					
75 / 79	0	2	2	4	60.9		1	0	1	61.3					
70 / 74	1	4	6	10	58.5		2	2	3	58.9			0	0	55.5
65 / 69	2	18	18	38	56.7	0	8	7	16	57.8		1	1	1	53.2
60 / 64	10	35	33	79	54.8	4	24	20	48	55.4		3	2	6	51.5
55 / 59	31	55	51	137	52.3	25	54	52	131	52.7	2	16	12	30	49.8
50 / 54	76	72	74	222	49.1	74	95	93	262	49.1	21	46	40	107	47.3
45 / 49	80	50	52	181	45.3	83	55	60	198	45.4	57	70	69	195	43.9
40 / 44	38	10	10	59	41.1	37	10	10	57	39.9	56	53	55	164	39.1
35 / 39	9	2	1	12	36.3	17	1	3	22	35.2	42	35	34	111	33.9
30 / 34	1	0		1	32.0	6	0	0	7	31.0	37	13	21	70	29.7
25 / 29	0	0		0	25.0	1			1	27.1	17	3	6	26	25.2
20 / 24											6	1	1	8	20.6
15 / 19											1	0	0	1	16.3
10 / 14															
5 / 9															
0 / 4															
-5 / -1															
-10 / -6															
-15 / -11															
-20 / -16															
-25 / -21															
-30 / -26															
-35 / -31															
-40 / -36															
-45 / -41															
-50 / -46															
-55 / -51															

Caution: This summary reflects the typical distribution of temperature in a typical year. It does not reflect the typical moisture distribution. Because wet bulb temperatures are averaged, this summary understates the annual moisture load. For accurate moisture load data, see the long-term humidity summary and the ventilation and infiltration load pages in this manual.

NOME **AK** WMO No. 702000

Dry-Bulb Temperature Hours For An Average Year (Sheet 4 of 5)

Period of Record = 1973 to 1996

Temperature Range (°F)	October Hour Group (LST) 01 To 08	09 To 16	17 To 00	Total Obs	MCWB (°F)	November Hour Group (LST) 01 To 08	09 To 16	17 To 00	Total Obs	MCWB (°F)	December Hour Group (LST) 01 To 08	09 To 16	17 To 00	Total Obs	MCWB (°F)
80 / 84															
75 / 79															
70 / 74															
65 / 69															
60 / 64															
55 / 59															
50 / 54	0	1	0	1	45.0										
45 / 49	2	6	4	12	42.8			0	0	39.0					
40 / 44	20	28	25	73	39.5	1	1	1	3	36.8		0	0	0	34.7
35 / 39	36	47	44	127	34.4	11	10	10	32	33.7	4	5	5	14	33.2
30 / 34	50	58	57	165	29.5	29	32	30	91	30.4	21	21	21	63	30.2
25 / 29	42	50	44	135	24.5	30	33	31	94	25.2	23	23	22	68	25.7
20 / 24	40	29	35	104	20.1	30	31	30	91	20.3	24	25	24	72	20.3
15 / 19	29	16	23	69	15.5	34	42	36	112	15.5	29	31	29	89	15.4
10 / 14	17	8	11	36	10.9	33	32	35	101	10.7	29	29	30	88	10.6
5 / 9	7	4	4	14	6.3	28	25	28	81	6.0	26	26	27	80	5.8
0 / 4	3	1	2	6	1.7	20	17	19	56	1.2	27	23	26	76	1.0
-5 / -1	1	0	1	2	-3.1	9	8	9	25	-3.0	14	17	15	46	-3.2
-10 / -6	0			0	-6.0	7	5	6	18	-7.2	14	17	15	47	-7.6
-15 / -11						4	3	4	11	-12.0	14	12	14	39	-12.2
-20 / -16						2	1	2	5	-16.8	12	11	11	35	-16.9
-25 / -21						0	0	0	0	-20.9	7	5	6	18	-21.6
-30 / -26						0		0	0	-25.0	2	2	2	5	-26.9
-35 / -31											1	1	1	4	-31.4
-40 / -36												0		0	
-45 / -41															
-50 / -46															
-55 / -51															

Caution: This summary reflects the typical distribution of temperature in a typical year. It does not reflect the typical moisture distribution. Because wet bulb temperatures are averaged, this summary understates the annual moisture load. For accurate moisture load data, see the long-term humidity summary and the ventilation and infiltration load pages in this manual.

NOME **AK** WMO No. 702000

Dry-Bulb Temperature Hours For An Average Year (Sheet 5 of 5)

Period of Record = 1973 to 1996

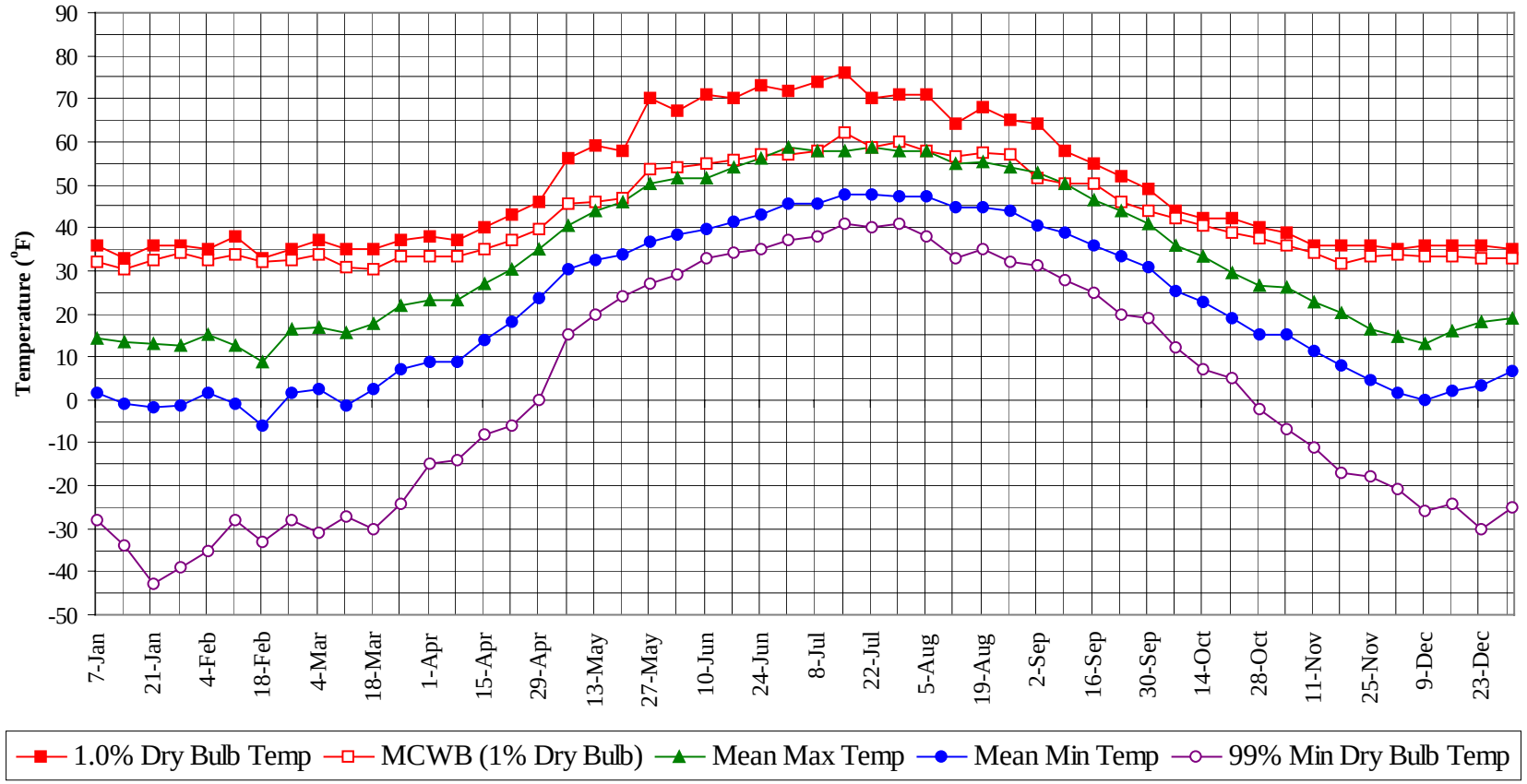
Annual Totals

Temperature Range (°F)	Hour Group (LST) 01 To 08	09 To 16	17 To 00	Total Obs	MCWB (°F)
80 / 84		1	1	1	63.3
75 / 79	0	3	3	7	60.1
70 / 74	1	10	13	23	57.4
65 / 69	3	33	36	72	56.2
60 / 64	18	82	76	176	54.0
55 / 59	72	164	154	389	51.4
50 / 54	204	282	273	758	48.1
45 / 49	288	272	273	832	44.2
40 / 44	262	211	205	677	39.2
35 / 39	249	221	209	680	34.3
30 / 34	329	295	309	932	30.1
25 / 29	260	243	240	743	25.2
20 / 24	215	200	200	615	20.3
15 / 19	193	193	193	580	15.5
10 / 14	166	168	170	505	10.6
5 / 9	146	136	142	423	5.8
0 / 4	130	115	124	369	1.1
-5 / -1	76	70	71	217	-3.2
-10 / -6	85	77	74	236	-7.6
-15 / -11	70	54	58	182	-12.2
-20 / -16	58	42	47	146	-16.9
-25 / -21	39	30	29	98	-21.8
-30 / -26	24	15	17	56	-26.8
-35 / -31	12	8	8	29	-31.7
-40 / -36	4	2	3	9	-35.8
-45 / -41	2	1	1	4	-41.0
-50 / -46	0	0	0	0	
-55 / -51	0	0	0	0	

Caution: This summary reflects the typical distribution of temperature in a typical year. It does not reflect the typical moisture distribution. Because wet bulb temperatures are averaged, this summary understates the annual moisture load. For accurate moisture load data, see the long-term humidity summary and the ventilation and infiltration load pages in this manual.

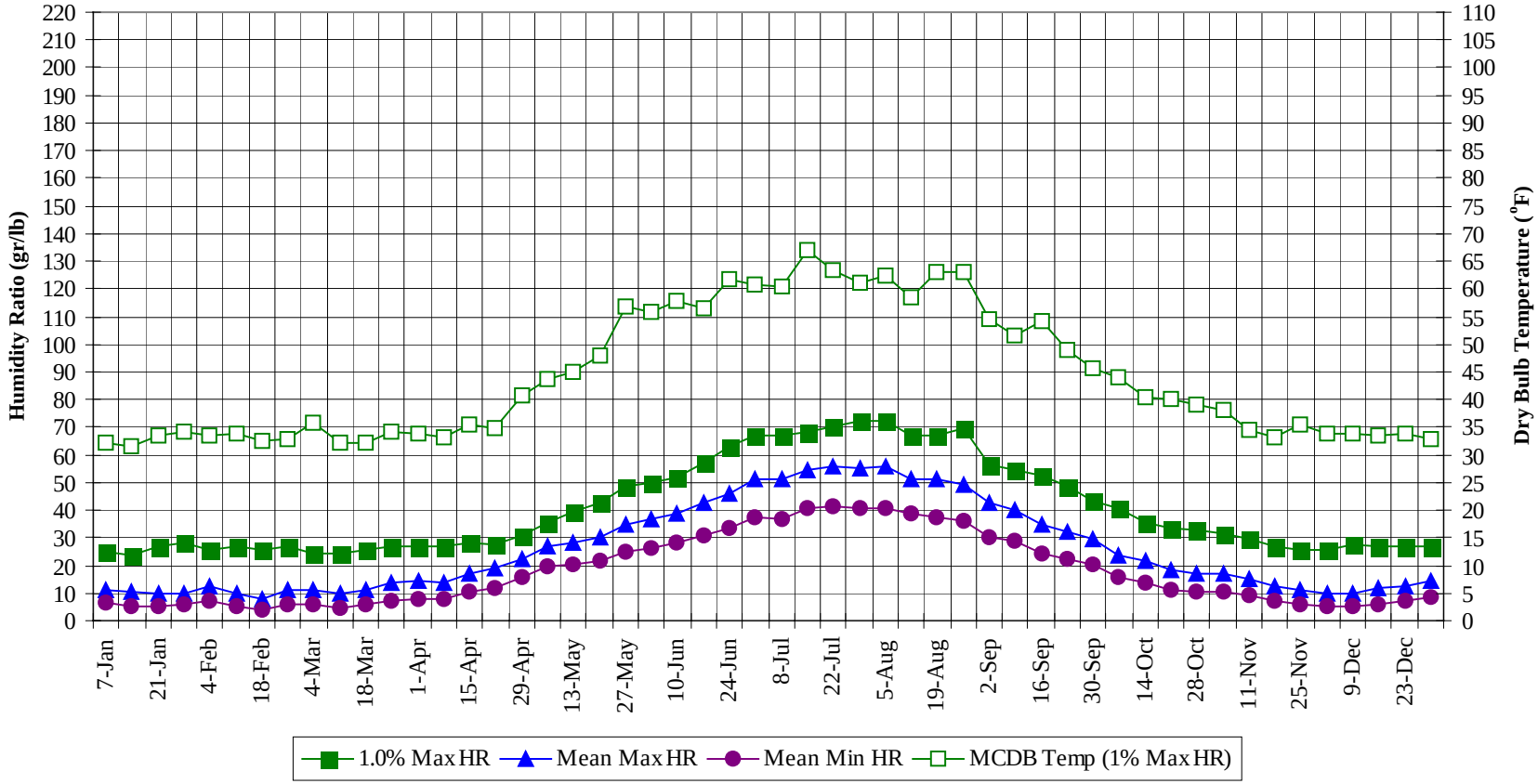
NOME **AK** WMO No. 702000

Annual Summary of Temperatures



NOME **AK** WMO No. 702000

Long Term Humidity and Dry Bulb Temperature Summary



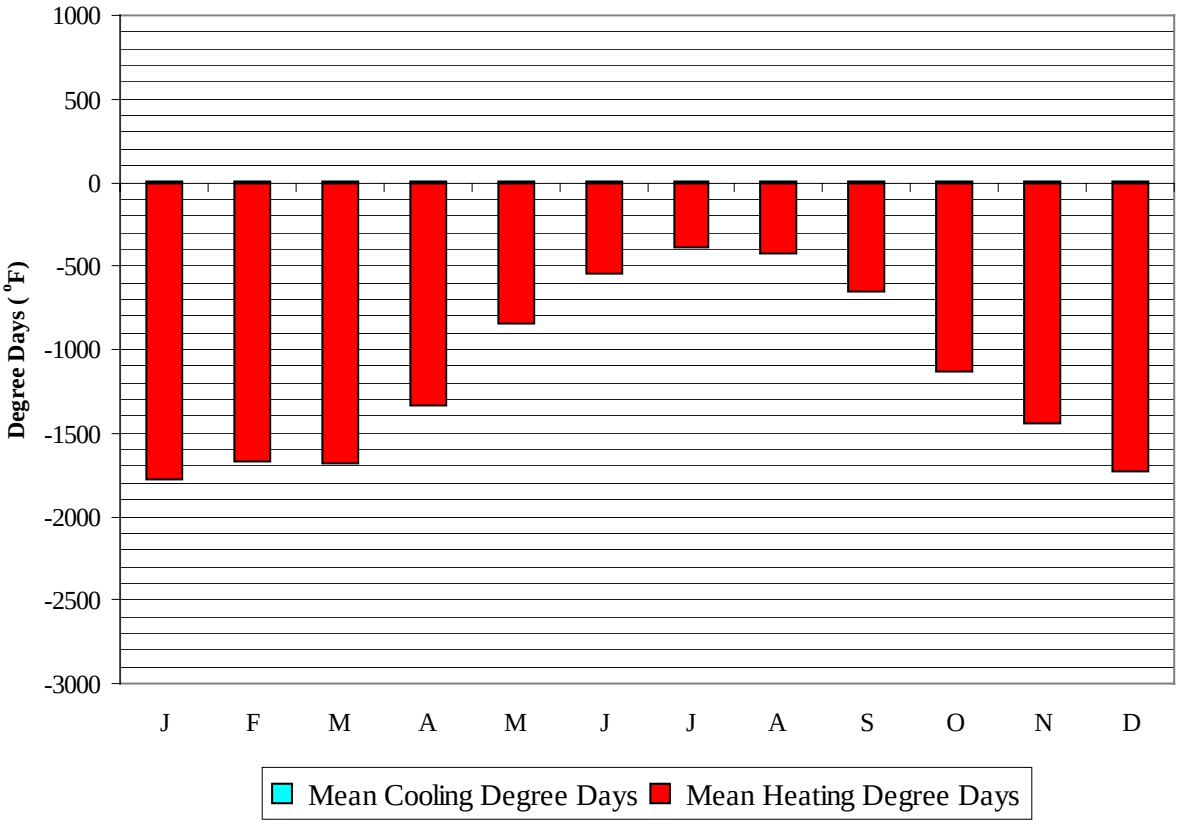
NOME **AK** WMO No. 702000

Long Term Dry Bulb Temperature and Humidity Summary

Week Ending	1.0% Temp (°F)	MCWB @ 1% Temp (°F)	Mean Max Temp (°F)	Mean Min Temp (°F)	99% Temp (°F)	1.0% HR (gr/lb)	MCDB @ 1% HR (°F)	Mean Max HR (gr/lb)	Mean Min HR (gr/lb)
7-Jan	36.0	32.2	14.4	1.6	-28.0	25.2	32.1	11.4	6.5
14-Jan	33.0	30.5	13.3	-1.0	-34.0	23.8	31.5	10.6	5.5
21-Jan	36.0	32.5	12.9	-1.6	-43.0	26.6	33.3	10.1	5.2
28-Jan	36.0	34.3	12.7	-1.3	-39.0	28.0	34.2	10.1	5.8
4-Feb	35.0	32.6	15.1	1.7	-35.0	25.9	33.5	12.3	7.1
11-Feb	38.0	33.7	12.6	-1.1	-28.0	26.6	34.0	9.5	5.5
18-Feb	33.0	32.1	8.7	-6.1	-33.0	25.9	32.6	8.0	4.1
25-Feb	35.0	32.6	16.6	1.7	-28.0	26.6	32.9	11.1	5.9
4-Mar	37.0	33.6	16.9	2.5	-31.0	24.5	35.7	11.1	6.2
11-Mar	35.0	31.0	15.7	-1.5	-27.0	24.5	32.1	9.7	4.6
18-Mar	35.0	30.5	17.6	2.5	-30.0	25.9	32.1	11.3	6.2
25-Mar	37.0	33.4	22.1	7.1	-24.0	26.6	34.0	13.6	7.5
1-Apr	38.0	33.3	23.3	8.9	-15.0	26.6	33.7	14.2	8.1
8-Apr	37.0	33.3	23.1	8.7	-14.0	26.6	33.3	13.7	8.0
15-Apr	40.0	34.8	27.1	14.1	-8.0	28.0	35.5	16.8	10.3
22-Apr	43.0	37.3	30.2	18.1	-6.0	27.3	34.9	18.9	11.9
29-Apr	46.0	39.6	34.9	23.7	0.0	30.8	40.8	22.3	15.5
6-May	56.0	45.4	40.7	30.4	15.0	35.7	43.7	26.7	19.8
13-May	59.0	45.9	44.0	32.3	20.0	39.2	45.0	28.4	20.4
20-May	58.0	46.8	46.1	34.0	24.0	42.7	48.0	30.5	21.6
27-May	70.0	53.8	50.2	36.8	27.0	48.3	56.9	34.7	25.0
3-Jun	67.0	53.9	51.5	38.4	29.0	49.7	55.9	36.6	26.5
10-Jun	71.0	55.1	51.7	39.5	33.0	51.8	57.6	38.7	28.0
17-Jun	70.0	55.6	54.1	41.4	34.0	57.4	56.6	42.9	30.8
24-Jun	73.0	57.2	56.0	43.2	35.0	63.0	61.9	46.0	33.6
1-Jul	72.0	56.9	58.5	45.7	37.0	67.2	60.9	51.2	37.3
8-Jul	74.0	57.8	58.0	45.7	38.0	67.2	60.4	51.0	36.9
15-Jul	76.0	62.2	57.9	47.5	41.0	68.6	66.9	54.6	41.0
22-Jul	70.0	58.5	58.6	47.5	40.0	70.0	63.4	55.6	41.3
29-Jul	71.0	60.0	58.0	47.2	41.0	72.1	61.0	55.4	40.4
5-Aug	71.0	57.8	57.8	47.1	38.0	72.1	62.5	55.7	40.9
12-Aug	64.0	56.7	54.8	44.9	33.0	67.2	58.3	51.6	38.7
19-Aug	68.0	57.5	55.2	44.7	35.0	67.2	63.0	51.2	37.4
26-Aug	65.0	57.1	54.2	43.9	32.0	69.3	62.9	49.1	36.2
2-Sep	64.0	51.4	53.0	40.6	31.0	56.7	54.4	43.0	29.9
9-Sep	58.0	50.3	50.2	38.9	28.0	54.6	51.6	40.2	28.8
16-Sep	55.0	50.0	46.5	36.0	25.0	52.5	54.2	34.6	24.5
23-Sep	52.0	46.1	43.8	33.1	20.0	48.3	48.9	32.1	22.5
30-Sep	49.0	44.0	41.0	31.0	19.0	43.4	45.5	29.6	20.4
7-Oct	44.0	42.3	35.9	25.2	12.0	40.6	43.9	23.4	15.7
14-Oct	42.0	40.6	33.5	22.7	7.0	35.7	40.3	21.7	14.0
21-Oct	42.0	38.6	29.6	18.9	5.0	33.6	40.0	18.2	11.4
28-Oct	40.0	37.6	26.7	15.2	-2.0	32.9	39.2	16.9	10.3
4-Nov	39.0	36.0	26.2	15.2	-7.0	31.5	38.1	17.1	10.7
11-Nov	36.0	34.0	22.8	11.5	-11.0	29.4	34.6	15.3	9.1
18-Nov	36.0	31.7	20.1	8.0	-17.0	26.6	33.1	12.4	7.1
25-Nov	36.0	33.3	16.4	4.4	-18.0	25.9	35.5	11.2	6.2
2-Dec	35.0	33.9	14.7	1.4	-21.0	25.9	34.0	10.1	5.4
9-Dec	36.0	33.3	12.9	-0.2	-26.0	27.3	33.8	9.5	5.3
16-Dec	36.0	33.3	15.9	1.9	-24.0	26.6	33.4	11.7	6.0
23-Dec	36.0	32.8	17.9	3.5	-30.0	26.6	33.9	12.6	7.0
31-Dec	35.0	32.8	18.9	6.5	-25.0	26.6	32.7	14.3	8.6

NOME **AK** WMO No. 702000

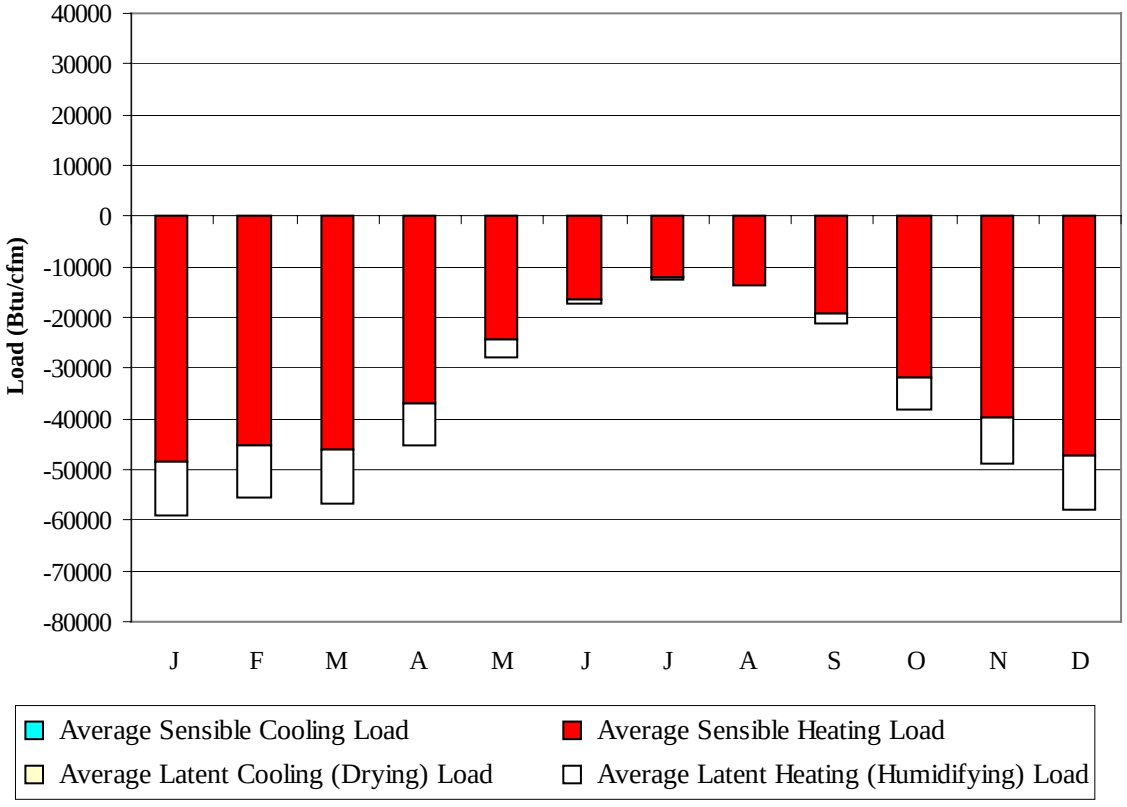
Degree Days, Heating and Cooling
(Base 65°F)



	Mean Cooling Degree Days (°F)	Mean Heating Degree Days (°F)
JAN	0	1782
FEB	0	1666
MAR	0	1682
APR	0	1339
MAY	1	846
JUN	4	545
JUL	8	385
AUG	2	430
SEP	0	657
OCT	0	1129
NOV	0	1446
DEC	0	1728
ANN	15	13635

NOME **AK** WMO No. 702000

Average Ventilation and Infiltration Loads
(Outside Air vs. 75°F, 60% RH summer; 68°F, 30% RH winter)



	Average Sensible Cooling Load (Btu/cfm)	Average Sensible Heating Load (Btu/cfm)	Average Latent Cooling Load (Btu/cfm)	Average Latent Heating Load (Btu/cfm)
JAN	0	-48591	0	-10472
FEB	0	-45372	0	-10063
MAR	0	-46003	0	-10708
APR	0	-37046	0	-8383
MAY	0	-24327	0	-3467
JUN	2	-16399	0	-646
JUL	12	-12283	2	-78
AUG	2	-13515	1	-227
SEP	0	-19359	0	-1804
OCT	0	-31663	0	-6404
NOV	0	-39804	0	-9126
DEC	0	-47209	0	-10710
ANN	16	-381571	3	-72088

Average Annual Solar Radiation – Nearest Available Site

(Source: National Renewable Energy Laboratory, Golden CO, 1995)

City: NOME
State: AK
WBAN No: 26617
Lat(N): 64.5
Long(W): 165.43
Elev(ft): 23

Stn Type: Secondary
SHADING GEOMETRY IN DIMENSIONLESS UNITS
Window: 1
Overhang: 0.174
Vert Gap: 0.2

AVERAGE INCIDENT SOLAR RADIATION (Btu/sq.ft./day), Percentage Uncertainty = 9

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
HORIZ	Global	45	260	730	1340	1670	1730	1470	1040	680	320	87	8	780
	Std Dev	5	26	66	109	149	184	152	114	105	30	10	3	38
	Minimum	35	200	550	1120	1280	1330	1060	790	500	260	70	6	720
	Maximum	57	310	820	1530	1950	2140	1730	1280	870	380	98	13	850
	Diffuse	30	140	360	650	790	780	790	620	370	180	60	3	400
Clear Day	Global	48	280	840	1630	2270	2540	2360	1770	1030	410	86	10	1110
NORTH	Global	19	87	220	430	640	740	620	400	230	110	35	3	300
	Diffuse	19	87	220	400	510	540	500	370	230	110	35	3	250
Clear Day	Global	16	73	180	390	760	1050	890	470	210	95	25	0	350
EAST	Global	56	270	630	1030	1150	1140	950	700	530	290	90	20	570
	Diffuse	23	120	300	520	610	610	570	430	290	150	46	3	310
Clear Day	Global	98	380	880	1460	1800	1920	1820	1500	1020	500	150	38	970
SOUTH	Global	290	850	1290	1430	1280	1160	1010	870	870	720	360	160	850
	Diffuse	67	230	420	600	630	610	580	470	350	230	110	9	360
Clear Day	Global	590	1350	1970	2090	1900	1770	1780	1880	1900	1530	770	350	1490
WEST	Global	58	270	640	1030	1200	1210	1010	740	530	290	92	20	590
	Diffuse	24	120	310	530	620	620	570	440	290	150	46	3	310
Clear Day	Global	98	380	880	1460	1800	1920	1820	1500	1020	500	150	38	970

Average Annual Solar Heat and Illumination – Nearest Available Site

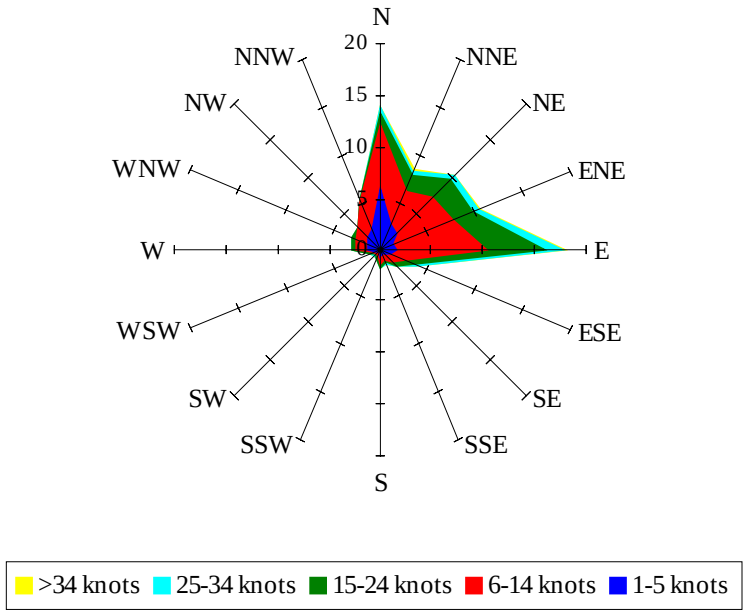
(Source: National Renewable Energy Laboratory, Golden CO, 1995)

AVERAGE TRANSMITTED SOLAR RADIATION (Btu/sq.ft./day) FOR DOUBLE GLAZING, Percentage Uncertainty = 9														
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
HORIZ	Unshaded	23	130	440	900	1160	1210	1030	710	440	180	47	3	530
NORTH	Unshaded	12	60	150	290	430	500	420	270	160	78	25	2	200
	Shaded	12	58	150	280	420	490	410	260	150	75	23	2	200
EAST	Unshaded	34	180	450	740	830	820	680	500	380	200	58	10	410
	Shaded	33	180	440	730	810	800	660	490	370	200	57	9	400
SOUTH	Unshaded	220	650	950	1020	890	790	700	610	630	540	280	130	620
	Shaded	220	650	940	1010	870	770	680	600	620	540	280	130	610
WEST	Unshaded	34	180	460	740	860	870	730	530	380	200	58	10	420
	Shaded	34	180	450	730	850	850	710	520	370	200	58	10	410

AVERAGE INCIDENT ILLUMINANCE (klux-hr) FOR MOSTLY CLEAR AND MOSTLY CLOUDY CONDITIONS, Percentage Uncertainty = 9											
		March					June				
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	1	19	36	42	32	24	48	68	78	74
	M.Cloudy	1	14	27	30	24	14	29	39	48	47
NORTH	M.Clear	1	6	9	10	8	25	11	13	14	14
	M.Cloudy	1	6	11	12	10	10	11	14	16	16
EAST	M.Clear	7	54	45	10	8	64	83	67	27	14
	M.Cloudy	2	20	22	12	10	19	33	30	21	16
SOUTH	M.Clear	1	37	78	91	67	7	23	59	78	72
	M.Cloudy	1	15	33	39	29	6	15	28	41	38
WEST	M.Clear	1	6	9	17	53	7	11	13	14	47
	M.Cloudy	1	6	11	14	24	6	11	14	16	29
M.Clear	(% hrs)	43	43	42	44	42	27	27	29	27	29
		Sept					Dec				
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	1	17	37	46	43	0	0	0	1	0
	M.Cloudy	1	10	20	27	25	0	0	0	1	0
NORTH	M.Clear	1	6	9	10	10	0	0	0	0	0
	M.Cloudy	0	5	8	10	10	0	0	0	0	0
EAST	M.Clear	4	54	56	20	10	0	0	0	0	0
	M.Cloudy	1	14	19	13	10	0	0	0	0	0
SOUTH	M.Clear	0	23	64	84	76	0	0	0	6	0
	M.Cloudy	0	8	21	31	28	0	0	0	1	0
WEST	M.Clear	0	6	9	10	42	0	0	0	1	0
	M.Cloudy	0	5	8	10	19	0	0	0	0	0
M.Clear	(% hrs)	26	22	23	20	20	47	41	37	37	42

Wind Summary - December, January, and February

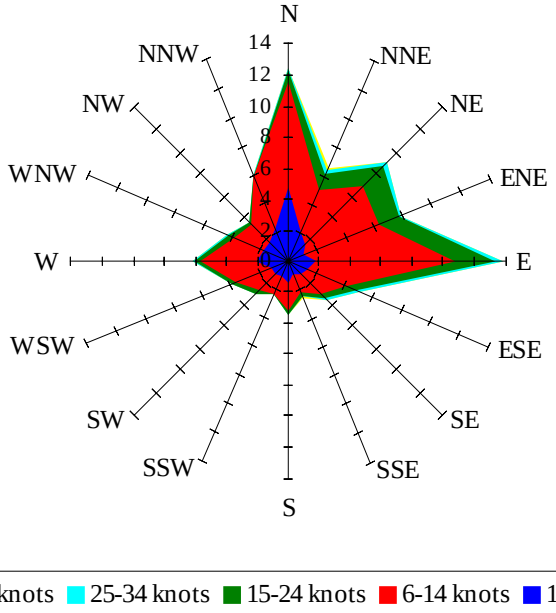
Labels of Percent Frequency on North Axis



Percent Calm = 13.30

Wind Summary - March, April, and May

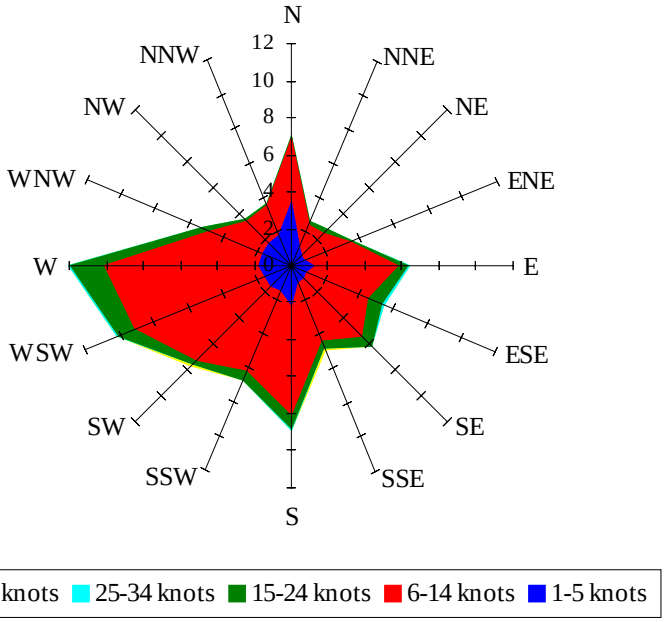
Labels of Percent Frequency on North Axis



Percent Calm = 8.36

Wind Summary - June, July, and August

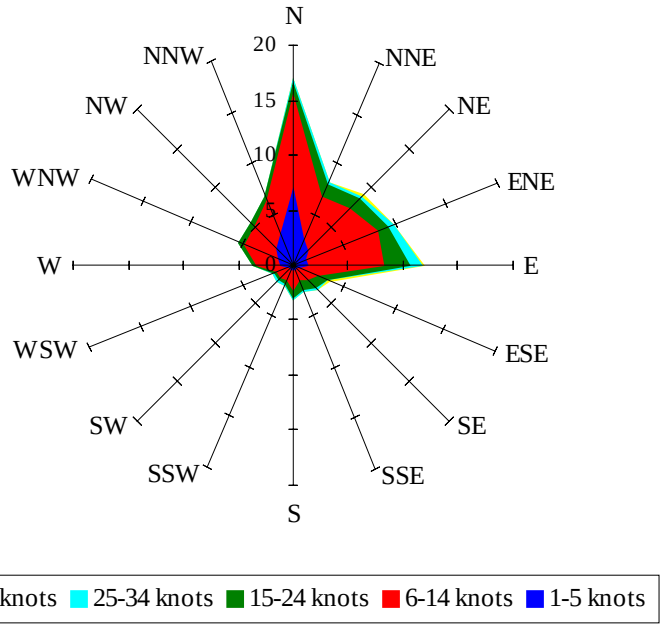
Labels of Percent Frequency on North Axis



Percent Calm = 3.86

Wind Summary - September, October, and November

Labels of Percent Frequency on North Axis



Percent Calm = 5.59