

MERRILL AK

Latitude = 61.22 N

Longitude = 149.80 W

Period of Record = 1973 to 1996

WMO No. 702735

Elevation = 138 feet

Average Pressure = 29.59 inches Hg

Design Criteria Data

	Design Value	Mean Coincident (Average) Values			
		Wet Bulb Temperature (°F)	Humidity Ratio (gr/lb)	Wind Speed (mph)	Prevailing Direction (NSEW)
Dry Bulb Temperature (T)	(°F)				
Median of Extreme Highs	79	62	59	6.7	W
0.4% Occurrence	72	59	52	6.5	W
1.0% Occurrence	70	58	51	6.6	W
2.0% Occurrence	67	56	50	6.6	W
Mean Daily Range	12	-	-	-	-
97.5% Occurrence	-1	-1	4	3.1	N
99.0% Occurrence	-6	-6	3	2.4	E
99.6% Occurrence	-10	-10	3	2.4	E
Median of Extreme Lows	-14	-14	2	2.7	E
	Design Value	Mean Coincident (Average) Values			
		Dry Bulb Temperature (°F)	Humidity Ratio (gr/lb)	Wind Speed (mph)	Prevailing Direction (NSEW)
Wet Bulb Temperature (T_{wb})	(°F)				
Median of Extreme Highs	63	73	70	5.9	WNW
0.4% Occurrence	60	69	63	5.3	W
1.0% Occurrence	59	66	62	4.9	W
2.0% Occurrence	58	65	60	4.9	W
	Design Value	Mean Coincident (Average) Values			
		Dry Bulb Temperature (°F)	Vapor Pressure (in. Hg)	Wind Speed (mph)	Prevailing Direction (NSEW)
Humidity Ratio (HR)	(gr/lb)				
Median of Extreme Highs	75	65	0.50	4.0	W
0.4% Occurrence	69	63	0.47	3.8	W
1.0% Occurrence	66	59	0.44	3.8	WNW
2.0% Occurrence	62	61	0.42	4.2	W
Air Conditioning/ Humid Area Criteria	# of Hours	T ≥ 93°F	T ≥ 80°F	T _{wb} ≥ 73°F	T _{wb} ≥ 67°F
		0	1	0	0

Other Site Data

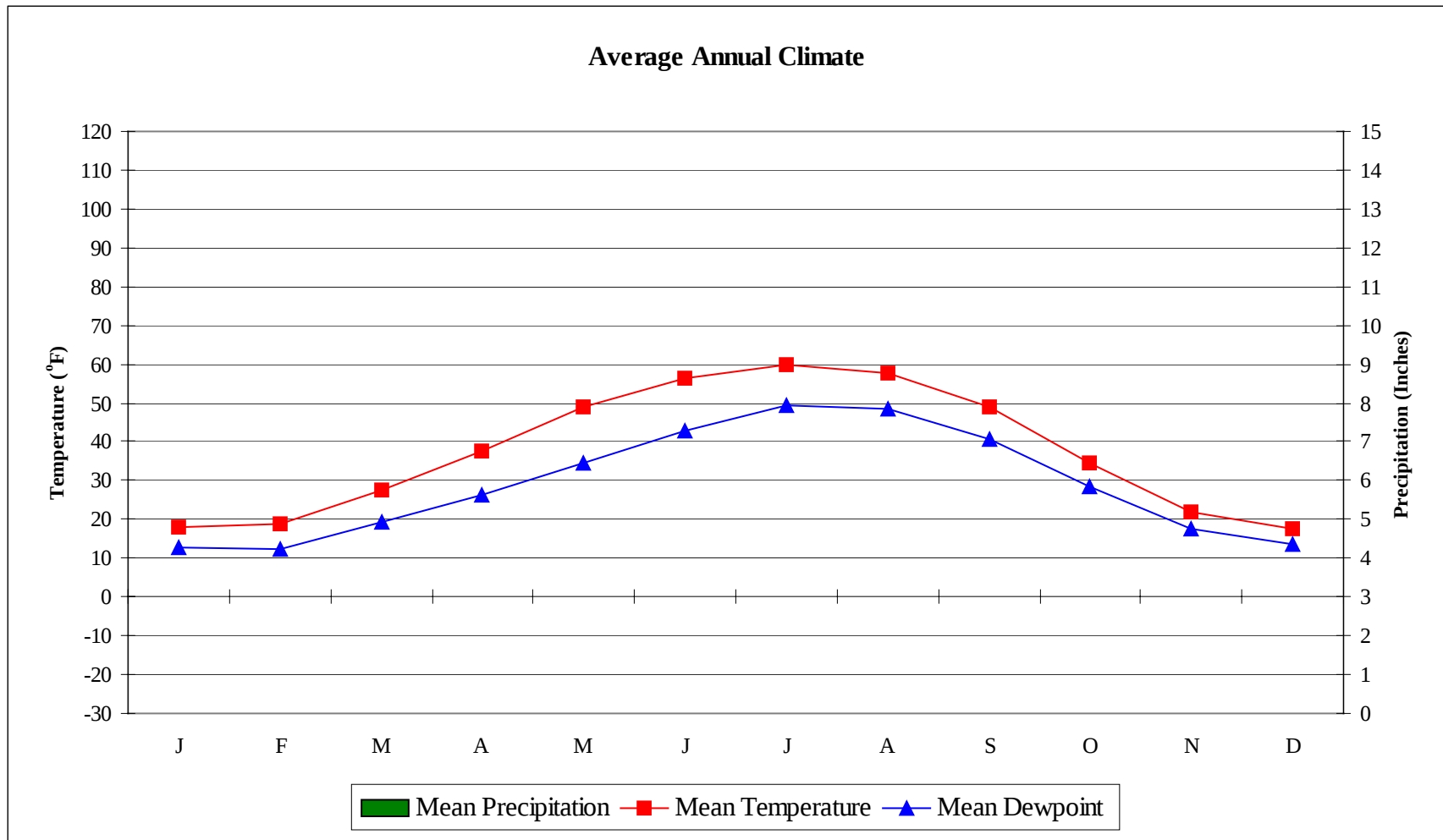
Weather Region	Rain Rate 100 Year Recurrence (in./hr)	Basic Wind Speed 3 sec gust @ 33 ft 50 Year Recurrence (mph)	Ventilation Cooling Load Index (Ton-hr/cfm/yr) Base 75°F-RH 60% Latent + Sensible
4	N/A	N/A	0.0 + 0.0
Ground Water Temperature (°F) 50 Foot Depth *	Frost Depth 50 Year Recurrence (in.)	Ground Snow Load 50 Year Recurrence (lb/ft ²)	Average Annual Freeze-Thaw Cycles (#)
39.9	N/A	N/A	59

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

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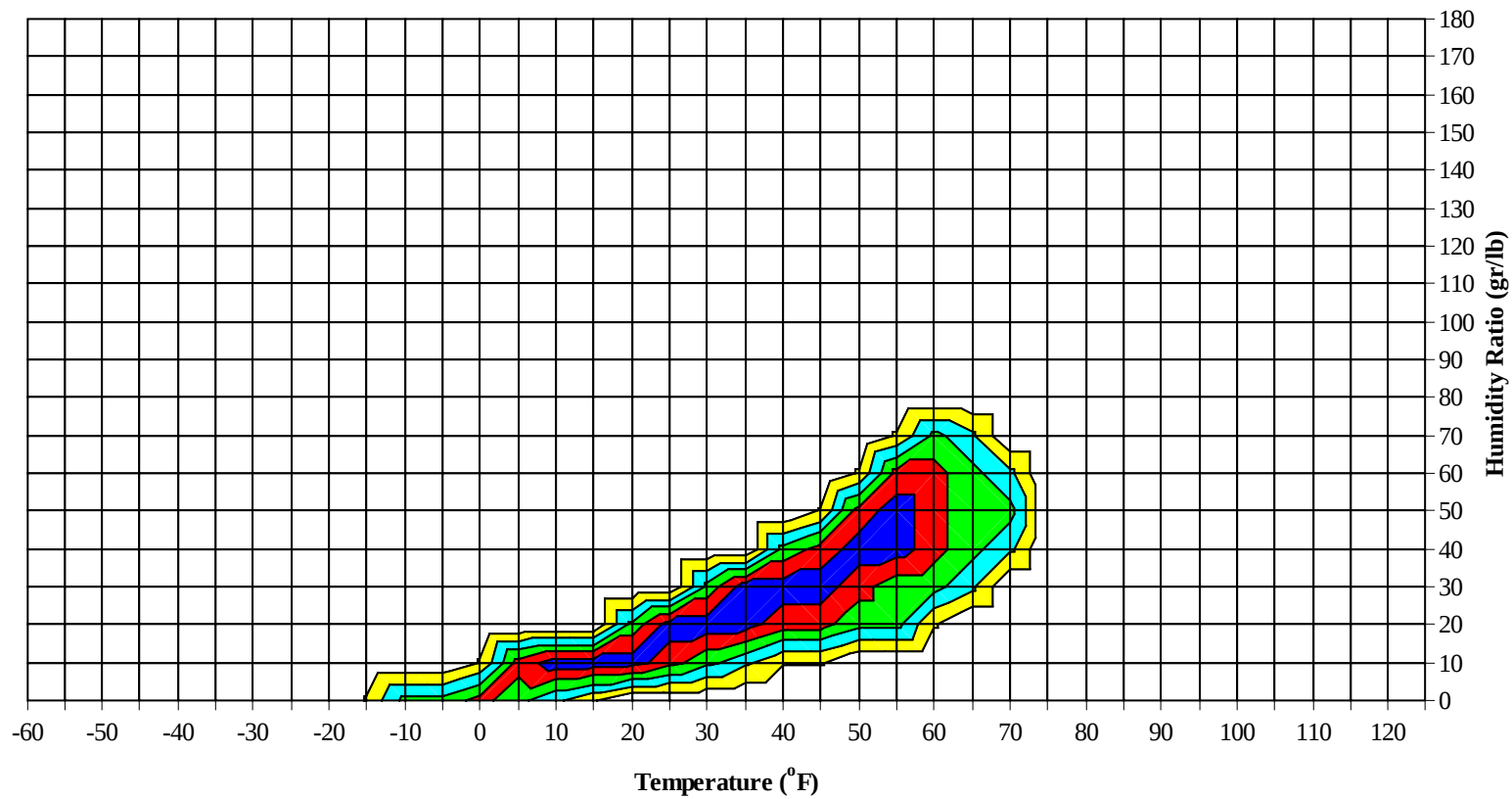
No Precipitation Data Available

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Long Term Psychrometric Summary



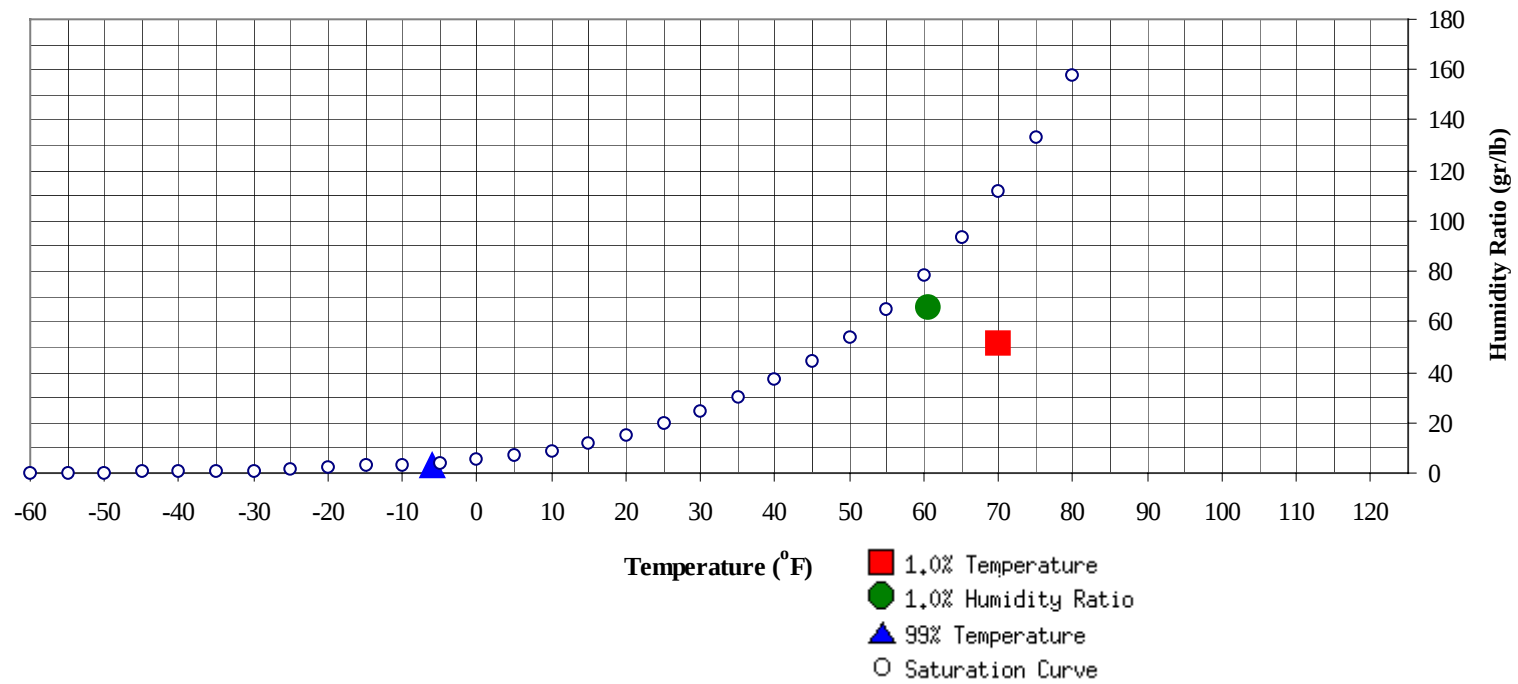
- 50% of all observations
- 80% of all observations
- 95% of all observations
- 97.5% of all observations
- 99% of all observations

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Psychrometric Summary of Peak Design Values



99% Dry Bulb	(°F)	MCHR (gr/lb)	Enthalpy (btu/lb)	1.0% Humidity Ratio	(gr/lb)	MCDB (°F)	MCWB (°F)	MC Dewpt (°F)	Enthalpy (btu/lb)
	-6	3.1	-1.0		65.8	60.6	57.3	55.2	24.8

1.0% Dry Bulb	(°F)	MCHR (gr/lb)	MCWB (°F)	Enthalpy (btu/lb)
	70	51.2	57.6	24.8

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

Period of Record = 1973 to 1996

Temperature Range (°F)	January					February					March				
	Hour Group (LST)			Total Obs	M C W B (°F)	Hour Group (LST)			Total Obs	M C W B (°F)	Hour Group (LST)			Total Obs	M C W B (°F)
	01 To 08	09 To 16	17 To 00			01 To 08	09 To 16	17 To 00			01 To 08	09 To 16	17 To 00		
80 / 84															
75 / 79															
70 / 74															
65 / 69															
60 / 64															
55 / 59															
50 / 54							0		0	42.0		0	0	0	40.0
45 / 49	1	1	1	3	38.4	0	1	0	1	38.5	0	7	3	10	38.1
40 / 44	4	4	4	12	36.4	2	6	4	12	36.4	4	25	18	47	35.7
35 / 39	10	13	11	34	33.9	8	20	16	44	33.9	14	52	52	118	32.9
30 / 34	27	37	34	98	30.5	27	34	38	99	30.3	49	62	68	179	29.6
25 / 29	38	41	41	120	25.6	32	33	35	100	25.5	56	44	45	145	25.2
20 / 24	40	40	45	124	21.1	31	33	28	92	20.8	46	27	30	103	20.3
15 / 19	31	31	25	87	16.3	28	31	26	85	15.8	29	16	17	62	15.4
10 / 14	27	24	24	75	11.3	20	25	27	72	10.8	20	8	8	36	10.8
5 / 9	22	19	22	63	6.3	22	20	22	64	6.2	15	5	4	24	6.0
0 / 4	16	17	17	50	1.7	22	11	15	48	1.5	8	2	2	12	1.4
-5 / -1	11	11	10	32	-2.8	14	6	5	25	-2.7	3	1	0	4	-2.9
-10 / -6	11	7	10	28	-7.0	13	4	4	21	-7.0	2	0	0	2	-7.1
-15 / -11	7	3	4	14	-11.8	3	1	2	6	-11.7	1		0	1	-11.5
-20 / -16	2	1	1	4	-16.3	1	0	0	1	-16.7	0			0	-15.0
-25 / -21	1	0	1	2	-21.6	0			0	-20.4					
-30 / -26	0	0	0	0	-26.4										

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.

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

Period of Record = 1973 to 1996

April						May					June					
Temperature Range (°F)	Hour Group (LST)			Total Obs	M C W B (°F)	Hour Group (LST)			Total Obs	M C W B (°F)	Hour Group (LST)			Total Obs	M C W B (°F)	
	01 To 08	09 To 16	17 To 00			01 To 08	09 To 16	17 To 00			01 To 08	09 To 16	17 To 00			
80 / 84						0		0								
75 / 79						0		0	0	55.4						
70 / 74						2		1	3	54.4						
65 / 69	0 0 0					6		4	10	51.8	1	33	28	62	54.3	
60 / 64	1 0 1					48.9	1	20	16	37	49.5	10	66	57	133	51.9
55 / 59	5 2 7					44.3	4	53	43	100	46.7	54	77	81	211	49.8
50 / 54	27 17 44					42.0	23	84	76	183	44.2	103	46	55	205	47.5
45 / 49	2	53	43	98	39.3	80	62	73	216	41.8	65	6	9	81	44.5	
40 / 44	27	66	68	161	36.7	91	19	27	137	38.7	7	0	0	7	40.3	
35 / 39	73	47	59	180	33.7	41	2	7	50	34.4	0	0	0	0	35.3	
30 / 34	73	23	32	128	30.0	7	0	0	7	29.8	0	0				
25 / 29	40	9	11	60	24.9	0	0				23.1					
20 / 24	12	5	4	21	20.1											
15 / 19	6	3	2	11	15.0											
10 / 14	3	1	1	5	10.1											
5 / 9	2	0	0	2	5.7											
0 / 4	1	0	0	1	1.8											
-5 / -1	0	0			-1.0											
-10 / -6																
-15 / -11																
-20 / -16																
-25 / -21																
-30 / -26																

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

Period of Record = 1973 to 1996

Temperature Range (°F)	July					August					September				
	Hour Group (LST)			Total Obs	M C W B (°F)	Hour Group (LST)			Total Obs	M C W B (°F)	Hour Group (LST)			Total Obs	M C W B (°F)
	01 To 08	09 To 16	17 To 00			01 To 08	09 To 16	17 To 00			01 To 08	09 To 16	17 To 00		
80 / 84		0	0	0	62.4		0	0	0						
75 / 79	0	4	3	7	61.2		1	1	2	62.3					
70 / 74	0	18	16	34	59.0		10	7	17	59.6		0	0	0	55.8
65 / 69	3	55	46	104	57.0	0	40	31	71	57.0	0	4	2	6	54.1
60 / 64	30	88	90	207	55.0	16	80	77	172	54.8	1	20	13	34	52.0
55 / 59	123	70	78	271	53.1	81	83	90	254	53.0	7	53	46	106	50.5
50 / 54	85	14	15	114	50.3	108	30	38	177	49.9	51	79	81	211	48.2
45 / 49	6	0	0	6	45.9	34	4	5	43	45.3	86	52	61	199	44.4
40 / 44	0	0	0	0	40.5	7	0	0	7	40.1	52	20	24	96	39.7
35 / 39			0	0		1			1	34.6	25	9	10	44	34.4
30 / 34						0			0	32.5	13	3	3	19	29.3
25 / 29											3	0	1	4	24.4
20 / 24											1		0	1	19.8
15 / 19											0		0	0	17.0
10 / 14											0			0	
5 / 9															
0 / 4															
-5 / -1															
-10 / -6															
-15 / -11															
-20 / -16															
-25 / -21															
-30 / -26															

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

Period of Record = 1973 to 1996

Temperature Range (°F)	October					November					December				
	Hour Group (LST)			Total Obs	M C W B (°F)	Hour Group (LST)			Total Obs	M C W B (°F)	Hour Group (LST)			Total Obs	M C W B (°F)
	01 To 08	09 To 16	17 To 00			01 To 08	09 To 16	17 To 00			01 To 08	09 To 16	17 To 00		
80 / 84															
75 / 79															
70 / 74															
65 / 69		0		0	54.0										
60 / 64		0	0	0	52.3										
55 / 59	0	2	1	3	47.8										
50 / 54	3	11	6	20	45.0	0	0	0	0	43.6		0		0	42.5
45 / 49	15	38	30	83	42.6	2	2	2	6	40.2	1	2	1	4	39.0
40 / 44	37	47	47	131	39.2	4	7	4	15	38.3	2	3	1	6	36.6
35 / 39	46	51	55	153	34.5	13	20	18	51	34.2	8	9	11	28	34.0
30 / 34	67	52	58	177	30.5	31	41	39	111	30.4	25	26	25	76	30.6
25 / 29	37	24	26	87	25.5	45	49	44	137	25.7	40	44	43	127	25.7
20 / 24	18	12	12	42	20.9	42	43	44	128	20.9	43	44	42	129	21.0
15 / 19	11	6	8	25	16.1	37	33	34	104	16.1	36	39	36	111	16.4
10 / 14	8	3	4	15	11.3	29	24	28	81	11.4	28	25	29	82	11.5
5 / 9	4	1	1	6	6.6	17	12	16	45	6.4	21	22	22	65	6.5
0 / 4	1	0	0	1	1.6	11	7	7	25	1.4	18	16	14	48	1.5
-5 / -1	0			0	-1.7	4	2	2	8	-2.7	11	10	11	32	-2.7
-10 / -6						3	2	2	7	-6.9	11	6	8	25	-6.9
-15 / -11						1	0	1	2	-11.4	4	2	2	8	-11.6
-20 / -16						0	0		0	-15.8	1	1	1	3	-16.6
-25 / -21											0		0	0	-21.0
-30 / -26															

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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)			Total Obs	M C W B (°F)
	01 To 08	09 To 16	17 To 00		
80 / 84		1	0	1	62.4
75 / 79	0	8	6	14	60.4
70 / 74	0	40	33	73	58.3
65 / 69	4	137	111	252	56.0
60 / 64	57	271	251	580	53.7
55 / 59	270	339	338	947	51.3
50 / 54	374	290	287	951	47.5
45 / 49	293	228	229	749	42.7
40 / 44	237	199	199	635	38.1
35 / 39	240	223	239	702	33.9
30 / 34	321	278	297	896	30.2
25 / 29	292	244	245	781	25.5
20 / 24	232	203	204	639	20.8
15 / 19	180	159	148	487	16.0
10 / 14	134	110	122	366	11.2
5 / 9	103	81	86	270	6.3
0 / 4	77	53	56	186	1.5
-5 / -1	43	30	30	103	-2.8
-10 / -6	40	19	25	84	-7.0
-15 / -11	16	6	8	30	-11.7
-20 / -16	5	2	2	9	-16.4
-25 / -21	1	0	1	2	-21.4
-30 / -26	0	0	0	0	-26.4

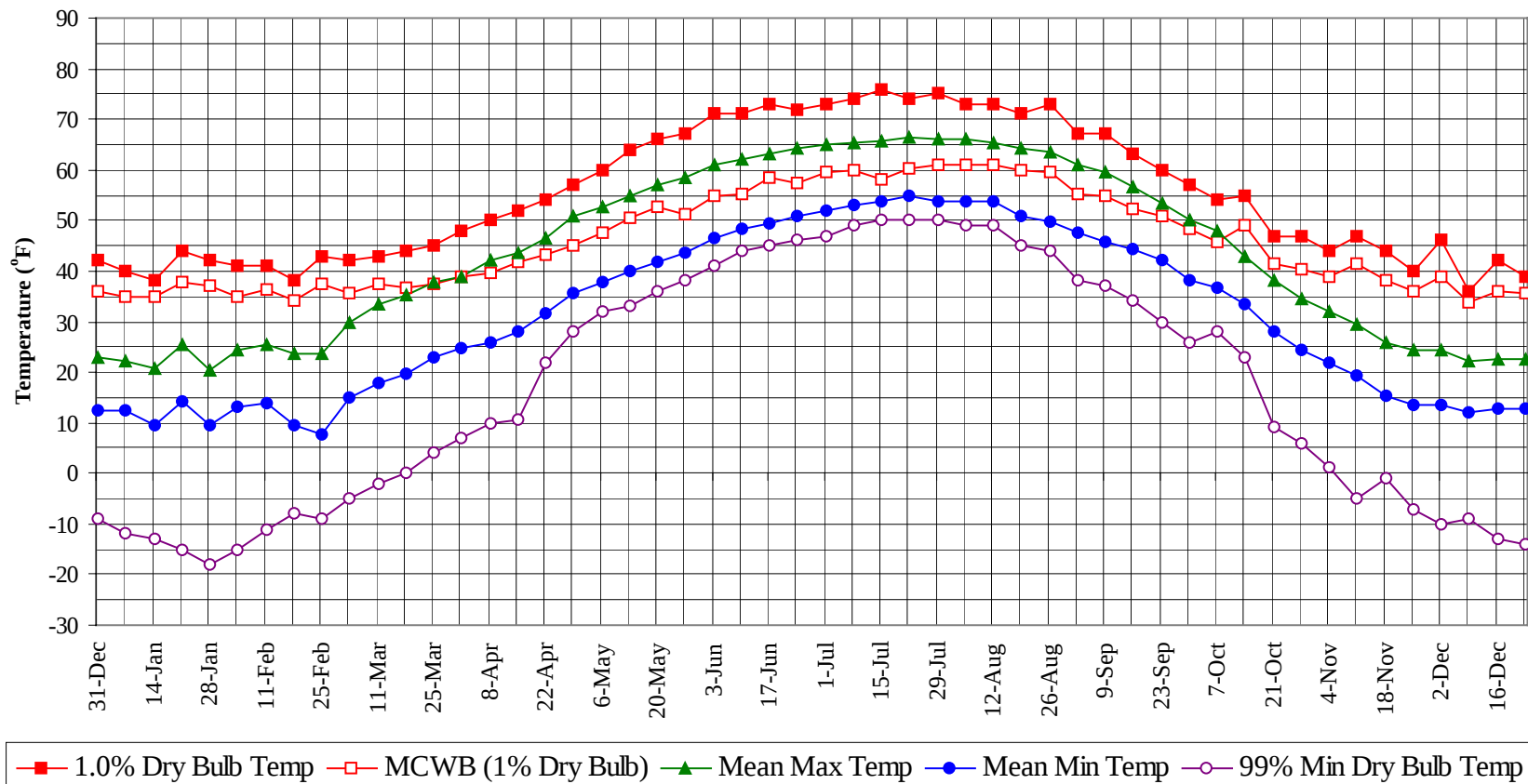
Caution: This summary reflects the typical distribution of temperature in a typical year. It does not reflect the typical moisture distribution. Because wet bulb temperatures are averaged, this summary understates the annual moisture load. For accurate moisture load data, see the long-term humidity summary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

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Annual Summary of Temperatures

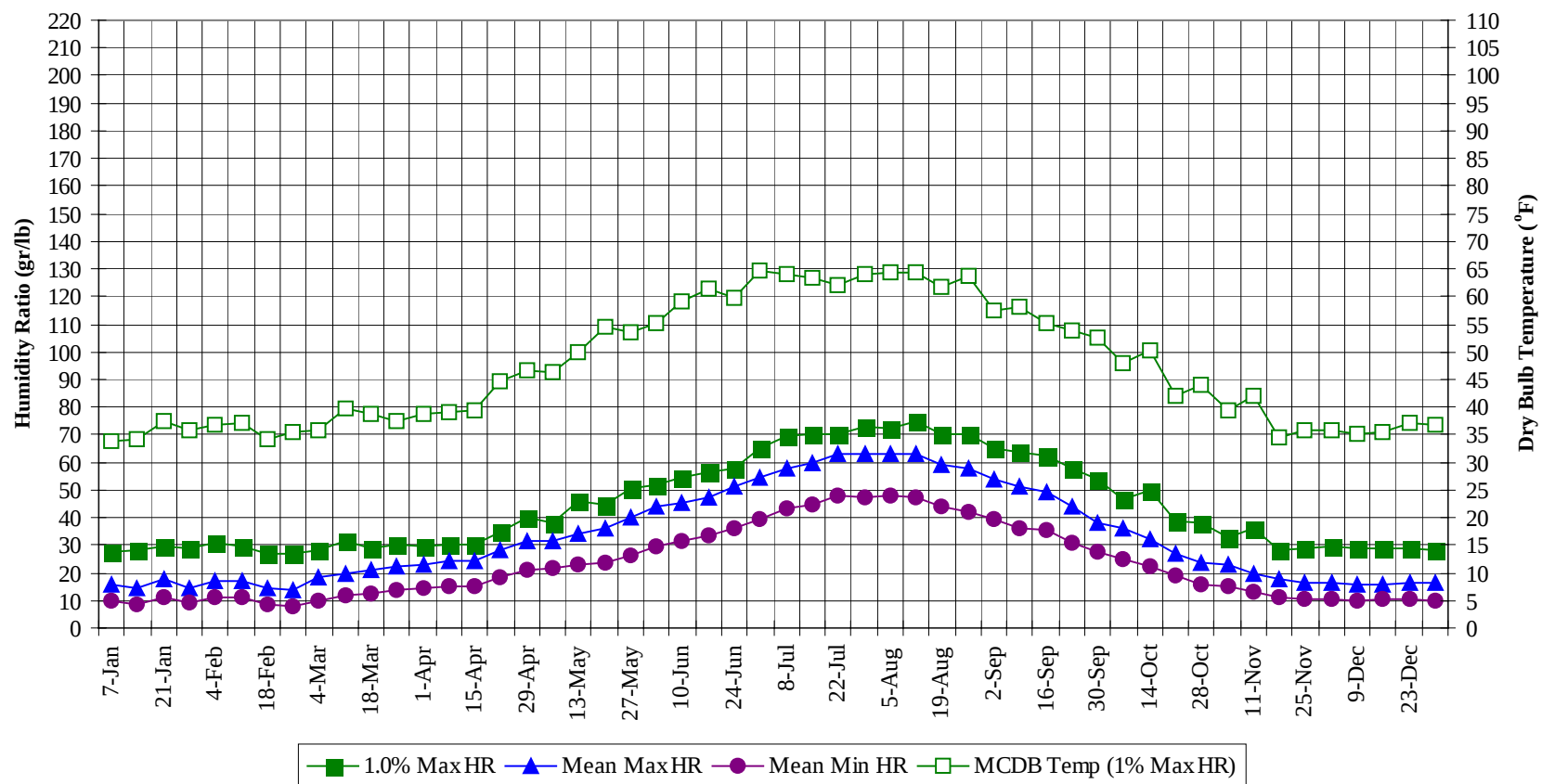


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Long Term Humidity and Dry Bulb Temperature Summary



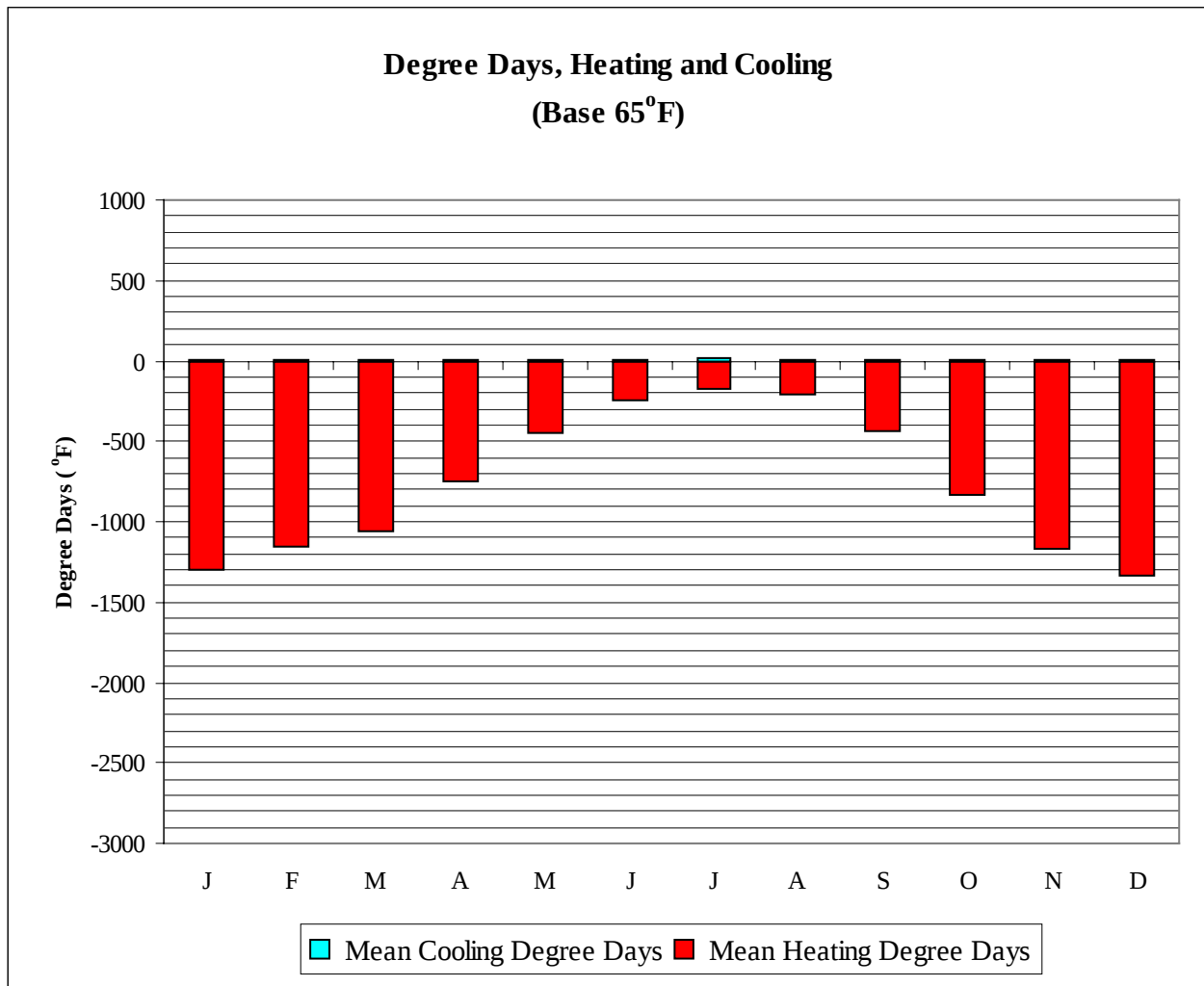
MERRILL**AK****WMO No. 702735****Long Term Dry Bulb Temperature and Humidity Summary**

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	40.0	35.0	22.3	12.2	-12.0	27.3	33.8	15.9	9.9
14-Jan	38.0	35.0	20.6	9.5	-13.0	28.0	34.2	14.6	8.8
21-Jan	44.0	37.9	25.3	14.3	-15.0	29.4	37.4	17.8	10.9
28-Jan	42.0	37.2	20.5	9.7	-18.0	28.7	35.8	14.8	9.2
4-Feb	41.0	35.0	24.3	13.2	-15.0	30.8	36.9	17.1	10.8
11-Feb	41.0	36.4	25.5	13.7	-11.0	29.4	37.2	17.3	11.2
18-Feb	38.0	34.2	23.6	9.4	-8.0	26.6	34.1	14.4	8.4
25-Feb	43.0	37.4	23.6	7.5	-9.0	26.6	35.4	13.9	7.6
4-Mar	42.0	35.7	29.9	14.8	-5.0	28.0	35.7	18.3	10.1
11-Mar	43.0	37.3	33.4	18.0	-2.0	31.5	39.8	19.6	11.9
18-Mar	44.0	36.8	35.2	19.8	0.0	28.7	38.7	21.0	12.7
25-Mar	45.0	37.4	37.9	23.0	4.0	30.1	37.4	22.4	13.9
1-Apr	48.0	38.9	38.9	24.8	7.0	29.4	38.8	23.0	14.5
8-Apr	50.0	39.5	42.1	25.9	10.0	30.1	39.1	24.0	15.0
15-Apr	52.0	41.7	43.6	28.1	10.5	30.1	39.6	24.5	15.4
22-Apr	54.0	43.2	46.7	31.8	22.0	35.0	44.5	28.5	18.4
29-Apr	57.0	45.1	50.9	35.5	28.0	39.9	46.7	31.3	20.9
6-May	60.0	47.5	52.7	37.6	32.0	37.8	46.4	31.6	21.8
13-May	64.0	50.6	55.0	40.0	33.0	46.2	50.0	34.3	23.2
20-May	66.0	52.6	56.8	41.8	36.0	44.8	54.5	36.1	23.3
27-May	67.0	51.2	58.4	43.7	38.0	50.4	53.7	40.0	26.5
3-Jun	71.0	55.0	61.1	46.4	41.0	51.8	55.1	44.1	29.6
10-Jun	71.0	55.1	62.1	48.2	44.0	54.6	59.0	45.6	31.6
17-Jun	73.0	58.4	63.2	49.2	45.0	56.7	61.5	47.6	33.4
24-Jun	72.0	57.3	64.2	51.0	46.0	58.1	59.6	51.0	36.2
1-Jul	73.0	59.6	65.0	52.0	47.0	65.1	64.5	54.3	39.2
8-Jul	74.0	59.8	65.4	53.2	49.0	69.3	63.9	57.6	43.2
15-Jul	76.0	58.1	65.7	53.6	50.0	70.0	63.2	59.4	44.9
22-Jul	74.0	60.4	66.3	54.8	50.0	70.0	62.0	62.8	48.2
29-Jul	75.0	61.0	65.9	53.7	50.0	72.8	64.1	63.0	47.2
5-Aug	73.0	61.1	66.2	53.6	49.0	72.1	64.3	62.9	48.0
12-Aug	73.0	61.1	65.3	53.6	49.0	74.9	64.4	62.9	47.6
19-Aug	71.0	59.8	64.1	51.0	45.0	70.0	61.7	59.0	43.8
26-Aug	73.0	59.6	63.4	49.7	44.0	70.0	63.8	57.7	41.9
2-Sep	67.0	55.3	60.9	47.6	38.0	65.1	57.5	53.8	39.4
9-Sep	67.0	54.9	59.6	45.8	37.0	63.7	58.0	51.4	36.0
16-Sep	63.0	52.3	56.8	44.3	34.0	62.3	55.3	49.4	35.6
23-Sep	60.0	51.0	53.3	42.0	30.0	58.1	53.9	43.8	31.1
30-Sep	57.0	48.3	50.2	38.3	26.0	53.9	52.7	38.3	27.5
7-Oct	54.0	45.7	47.9	36.5	28.0	46.9	48.0	36.0	25.3
14-Oct	55.0	49.0	42.9	33.3	23.0	49.7	50.2	32.2	22.5
21-Oct	47.0	41.6	38.1	27.8	9.0	38.5	42.0	26.8	19.0
28-Oct	47.0	40.5	34.5	24.3	6.0	37.8	43.9	23.3	16.0
4-Nov	44.0	39.0	32.1	21.9	1.0	32.9	39.2	22.7	15.0
11-Nov	47.0	41.4	29.4	19.5	-5.0	36.4	41.9	19.9	13.3
18-Nov	44.0	38.3	25.7	15.4	-1.0	28.0	34.6	17.4	11.1
25-Nov	40.0	36.1	24.3	13.5	-7.0	28.7	35.8	16.6	10.3
2-Dec	46.0	39.0	24.2	13.6	-10.0	29.4	35.7	16.7	10.5
9-Dec	36.0	33.7	22.3	12.0	-9.0	28.7	35.1	15.8	9.5
16-Dec	42.0	36.0	22.5	12.8	-13.0	28.7	35.4	15.8	10.4
23-Dec	39.0	35.5	22.6	12.9	-14.0	28.7	37.1	16.4	10.4
31-Dec	42.0	36.0	22.8	12.4	-9.0	28.0	36.8	16.5	10.0

MERRILL

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WMO No. 702735



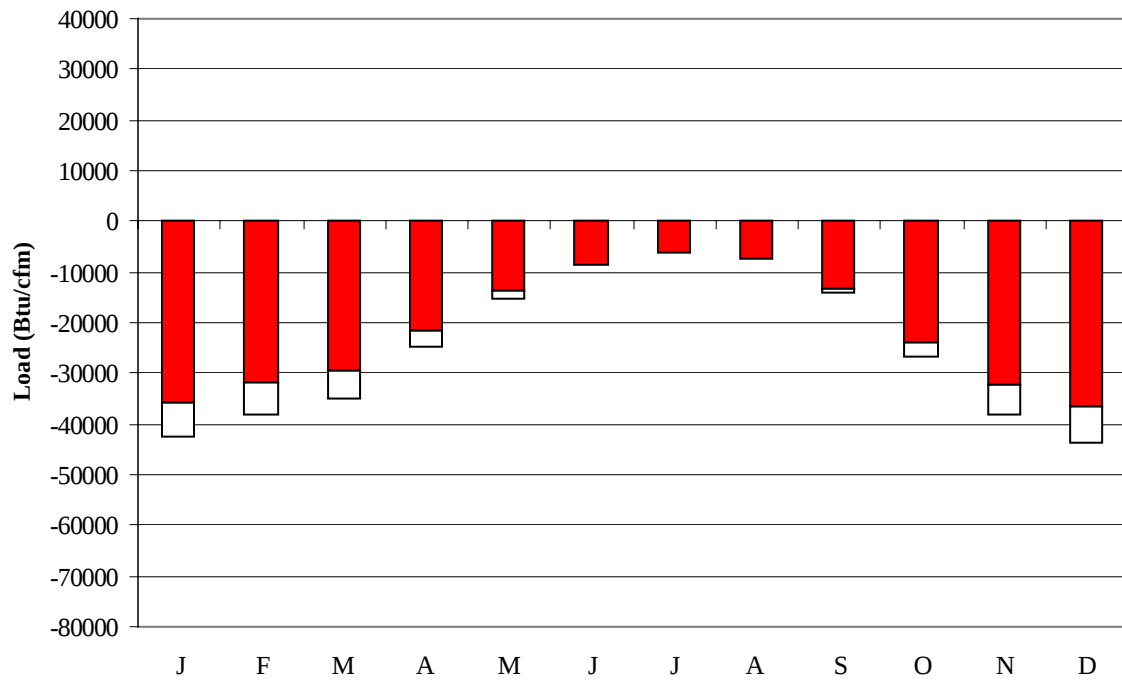
	Mean Cooling Degree Days (°F)	Mean Heating Degree Days (°F)
JAN	0	1297
FEB	0	1158
MAR	0	1058
APR	0	744
MAY	2	451
JUN	9	250
JUL	17	168
AUG	9	213
SEP	0	436
OCT	0	836
NOV	0	1166
DEC	0	1333
ANN	37	9110

MERRILL

AK

WMO No. 702735

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



■ Average Sensible Cooling Load ■ Average Sensible Heating Load
■ Average Latent Cooling (Drying) Load ■ Average Latent Heating (Humidifying) Load

	Average Sensible Cooling Load	Average Sensible Heating Load	Average Latent Cooling Load	Average Latent Heating Load
	(Btu/cfm)	(Btu/cfm)	(Btu/cfm)	(Btu/cfm)
JAN	0	-35750	0	-6669
FEB	0	-31954	0	-6016
MAR	0	-29597	0	-5326
APR	0	-21390	0	-3278
MAY	6	-13828	0	-1238
JUN	2	-8511	0	-119
JUL	12	-6338	0	-4
AUG	5	-7513	1	-39
SEP	0	-13367	0	-570
OCT	0	-23808	0	-3065
NOV	0	-32322	0	-5879
DEC	0	-36727	0	-6798
ANN	25	-261105	1	-39001

Average Annual Solar Radiation – Nearest Available Site

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

City: ANCHORAGE
 State: AK
 WBAN No: 26451
 Lat(N): 61.17
 Long(W): 150.02
 Elev(ft): 115

Stn Type: Secondary
 SHADING GEOMETRY IN DIMENSIONLESS UNITS
 Window: 1
 Overhang: 0.154
 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	90	300	720	1150	1440	1560	1470	1120	710	350	130	49	760
	Std Dev	10	41	65	115	129	149	134	105	70	31	15	6	25
	Minimum	70	230	550	1000	1190	1310	1160	920	580	280	110	38	710
	Maximum	110	400	830	1420	1660	1890	1700	1320	820	430	160	57	800
	Diffuse	66	190	410	600	750	850	800	630	410	230	92	39	420
Clear Day	Global	110	370	910	1640	2210	2490	2330	1790	1110	500	160	60	1150
NORTH	Global	38	110	240	370	510	600	550	390	240	130	53	22	270
	Diffuse	38	110	240	360	460	520	490	370	240	130	53	22	250
Clear Day	Global	38	100	210	370	630	840	730	430	240	120	51	25	320
EAST	Global	81	240	540	800	930	940	870	710	490	260	110	44	500
	Diffuse	49	140	310	460	550	600	560	450	300	160	69	27	310
Clear Day	Global	140	400	830	1310	1610	1740	1650	1370	950	500	190	82	900
SOUTH	Global	310	660	1040	1120	1060	1010	990	930	810	600	380	190	760
	Diffuse	110	250	420	530	580	620	590	490	360	240	140	70	370
Clear Day	Global	690	1340	1840	1910	1750	1660	1670	1770	1800	1470	840	470	1440
WEST	Global	82	250	540	790	920	980	950	740	500	270	120	44	520
	Diffuse	49	150	310	460	550	610	580	450	300	160	69	28	310
Clear Day	Global	140	400	830	1310	1610	1740	1650	1370	950	500	190	82	900

Average Annual Solar Heat and Illumination – Nearest Available Site

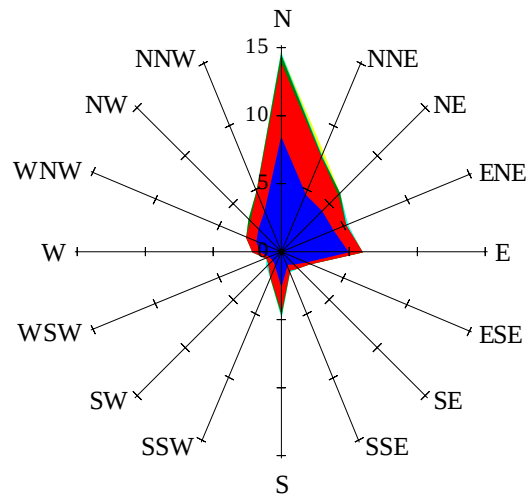
(Source: National Renewable Energy Laboratory, Golden CO, 1995)

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	51	180	460	790	1020	1110	1040	780	470	220	75	28	520
NORTH	Unshaded	26	76	160	250	350	410	370	270	170	91	37	15	190
	Shaded	25	74	160	250	340	400	360	260	160	89	36	15	180
EAST	Unshaded	51	170	380	570	670	670	620	500	340	180	73	27	350
	Shaded	50	160	370	560	650	650	610	490	340	180	72	26	350
SOUTH	Unshaded	240	500	770	800	730	690	680	650	590	450	290	150	540
	Shaded	240	500	760	790	720	670	660	640	580	440	290	150	540
WEST	Unshaded	52	170	380	560	660	700	680	530	350	180	76	27	360
	Shaded	51	170	370	550	640	680	660	520	350	180	75	26	360

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	9	31	45	42	24	34	59	76	80	68
	M.Cloudy	7	21	31	29	17	20	35	47	50	43
NORTH	M.Clear	4	9	11	10	7	15	13	15	15	14
	M.Cloudy	3	9	12	11	7	10	13	16	16	14
EAST	M.Clear	30	54	25	10	7	70	76	48	15	14
	M.Cloudy	9	23	17	11	7	24	34	28	16	14
SOUTH	M.Clear	13	57	85	79	43	9	39	67	74	55
	M.Cloudy	5	24	37	34	17	8	22	36	40	31
WEST	M.Clear	4	9	11	39	54	9	13	15	26	64
	M.Cloudy	3	9	12	21	20	8	13	16	21	35
M.Clear	(% hrs)	30	29	30	31	29	14	17	17	18	18
		Sept					Dec				
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	7	30	48	51	39	0	0	6	4	0
	M.Cloudy	4	16	26	28	21	0	0	5	3	0
NORTH	M.Clear	3	8	11	11	10	0	0	3	2	0
	M.Cloudy	2	7	10	11	8	0	0	2	1	0
EAST	M.Clear	27	59	41	11	10	0	0	6	2	0
	M.Cloudy	6	18	18	11	8	0	0	3	1	0
SOUTH	M.Clear	5	42	75	83	58	0	0	28	16	0
	M.Cloudy	2	14	27	30	20	0	0	7	4	0
WEST	M.Clear	3	8	11	24	56	0	0	3	8	0
	M.Cloudy	2	7	10	14	19	0	0	2	2	0
M.Clear	(% hrs)	18	18	20	20	21	27	24	24	24	26

Wind Summary - December, January, and February

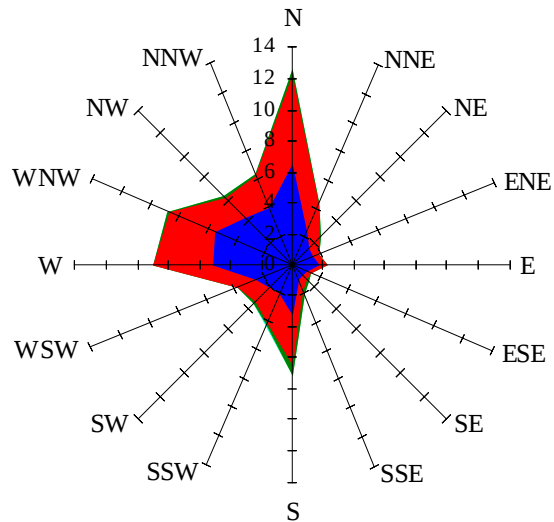
Labels of Percent Frequency on North Axis



Percent Calm = 33.75

Wind Summary - March, April, and May

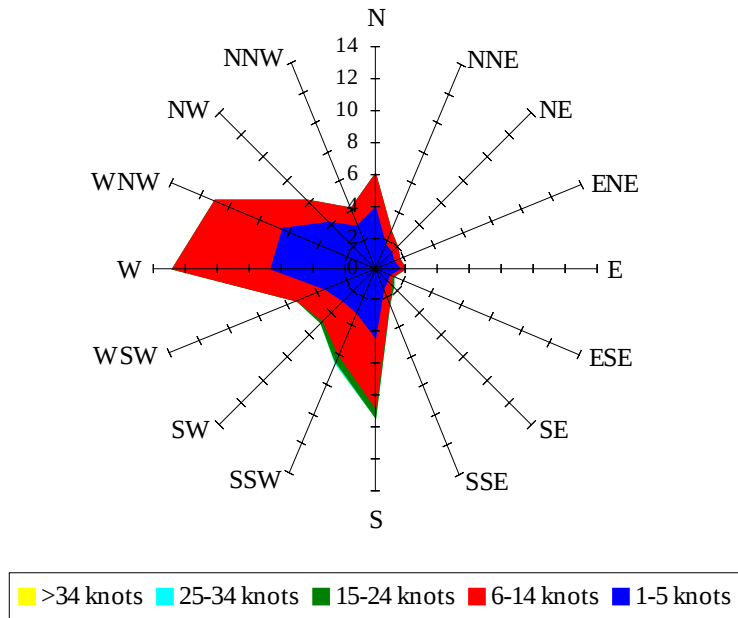
Labels of Percent Frequency on North Axis



Percent Calm = 23.86

Wind Summary - June, July, and August

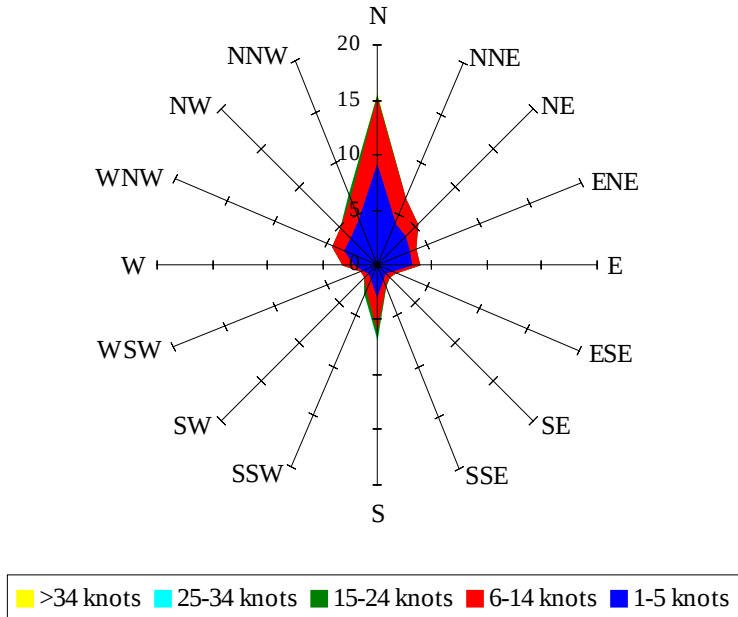
Labels of Percent Frequency on North Axis



Percent Calm = 21.04

Wind Summary - September, October, and November

Labels of Percent Frequency on North Axis



Percent Calm = 28.50