BUCKLEY AFB, CO	
Latitude = 39.70 N	Station ID = ICAO_KBKF
Longitude =104.75 W	Elevation = 5662 Feet
Period of Record = 1989 To 2018	Average Pressure = 24.37 inches Hg

Design Criteria Data

	Mean Coincident (Average) Values				
Dry Bulb Temperature (T)	**Design Value (°F)**	**Wet Bulb Temperature (°F)**	**Humidity Ratio (gr/lb)**	**Wind Speed (mph)**	**Prevailing Direction (NSEW)**
Median of Extreme Highs	99	59	30	9.3	S
0.4% Occurrence	93	59	36	8.5	N
1.0% Occurrence	91	59	40	8.4	N
2.0% Occurrence	88	59	43	8.5	E
Mean Daily Range	25	-	-	-	S
97.5% Occurrence	14	13	11	7.5	S
99.0% Occurrence	6	5	8	6.8	S
99.6% Occurrence	0	0	6	6.3	S
Median of Extreme Lows	-8	-9	3	6.2	S

Wet Bulb Temperature (T_{wb})	**Design Value (°F)**	**Dry Bulb Temperature (°F)**	**Humidity Ratio (gr/lb)**	**Wind Speed (mph)**	**Prevailing Direction (NSEW)**
Median of Extreme Highs	67	79	97	9.3	E
0.4% Occurrence	64	78	83	8.1	S
1.0% Occurrence	63	79	78	8	S
2.0% Occurrence	62	78	74	8	S

Humidity Ratio (HR)	**Design Value (gr/lb)**	**Dry Bulb Temperature (°F)**	**Vapor Pressure (in. Hg)**	**Wind Speed (mph)**	**Prevailing Direction (NSEW)**
Median of Extreme Highs	109	67	0.6	6.9	SSE
0.4% Occurrence	98	66	0.54	7.1	S
1.0% Occurrence	91	66	0.5	7.5	S
2.0% Occurrence	85	66	0.47	7.5	S

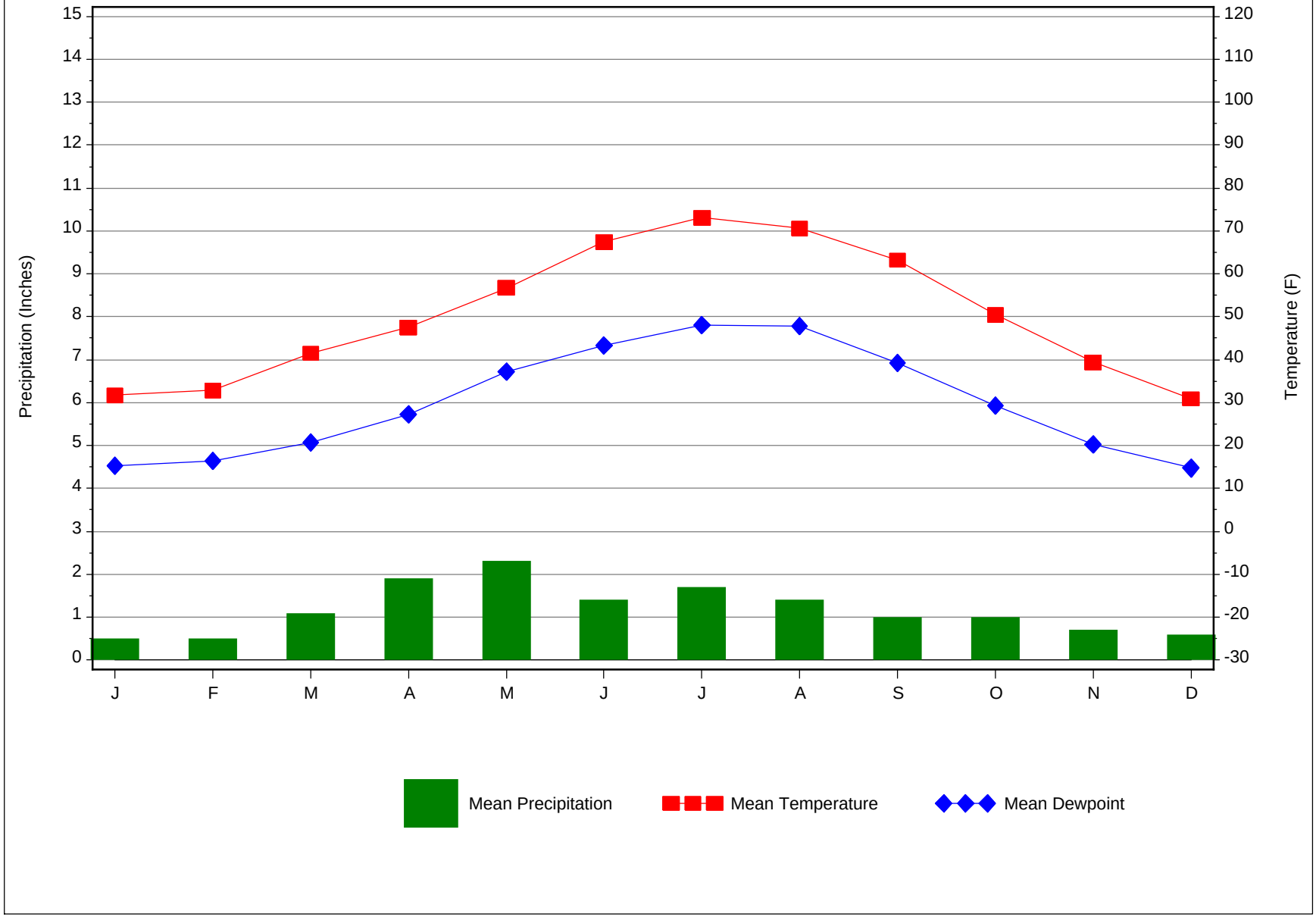
Air Conditioning/ Humid Area Criteria	**Threshold**	**T ≥ 93°F**	**T ≥ 80°F**	**Twb ≥ 73°F**	**Twb ≥ 67°F**
	# of Hours	54	642	0	5

Other Site Data

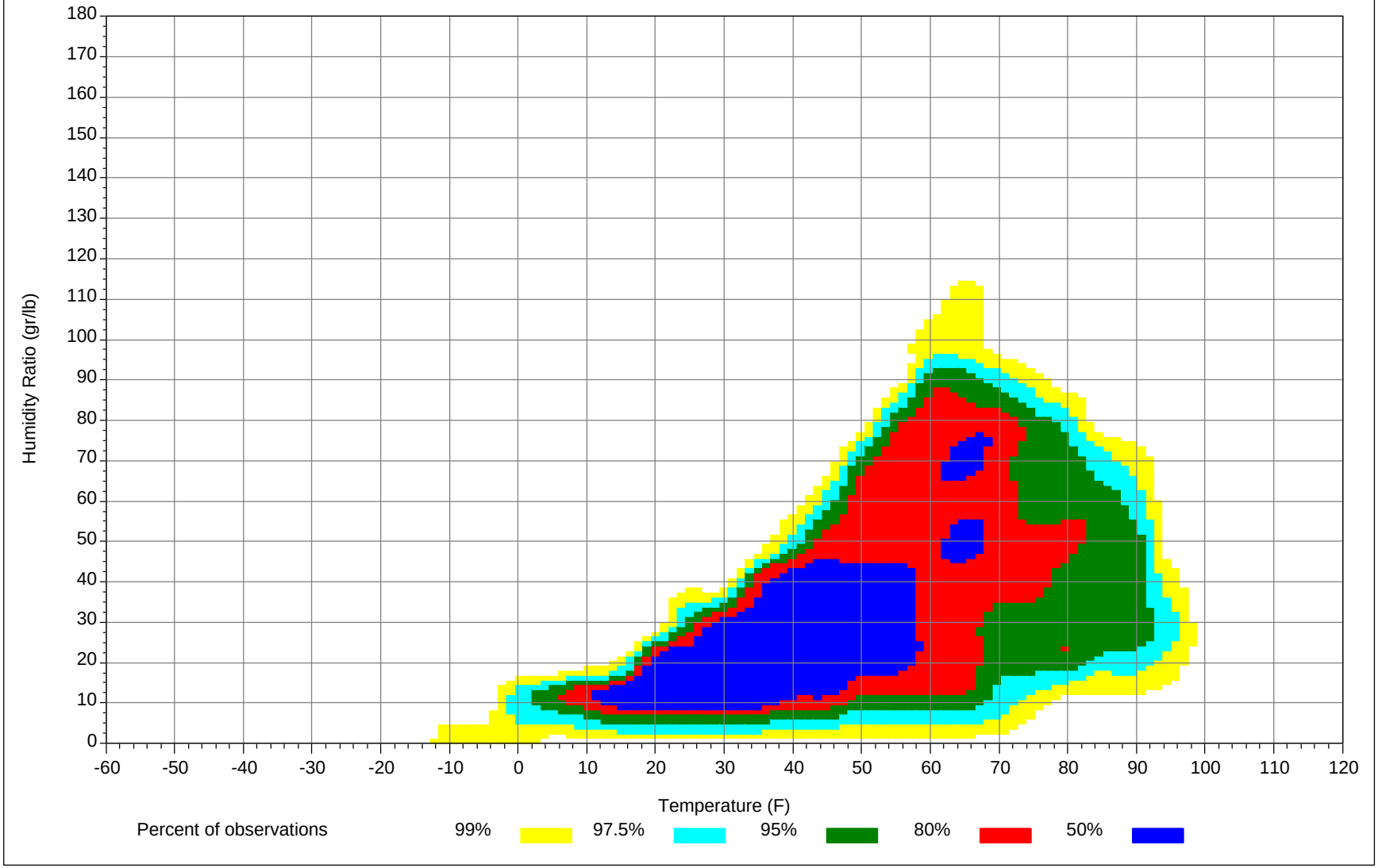
Weather Region	Rain Rate 100 Year Recurrence (in./hr)	Basic Wind Speed 3 sec gust @ 33 ft 50 Year Recurrence (mph)	Ventilation Cooling Load Index (Ton-hr/cfm/yr) Base 75°F-RH 60% Latent + Sensible
6	2	110	0.0 + 0.7
Ground Water Temperature (°F) 50 Foot Depth*	Frost Depth 50 Year Recurrence (in)	Ground Snow Load 50 Year Recurrence (lb/ft^2)	Average Annual Freeze-Thaw Cycles (#)
53	52	20	95

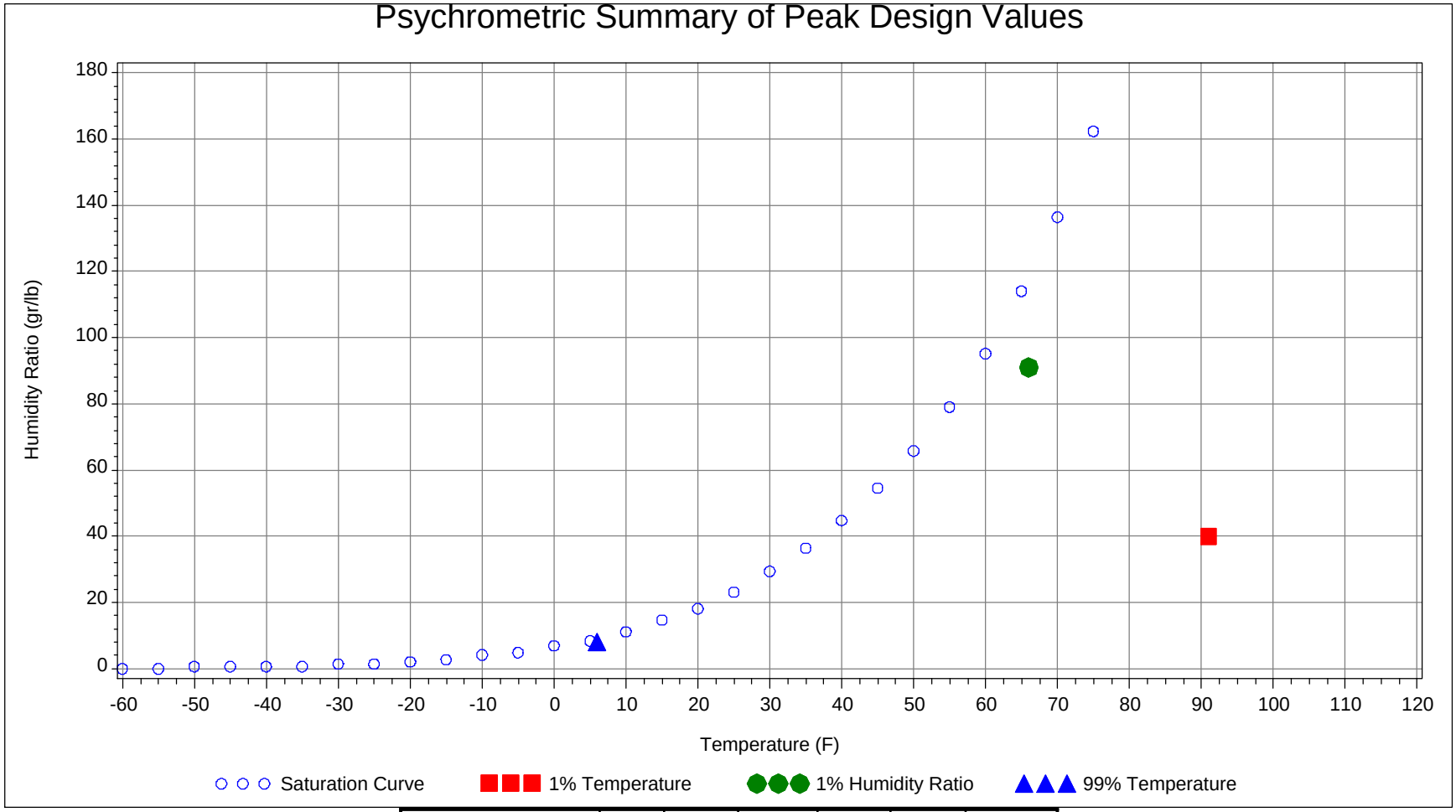
*Note: Temperatures at greater depths can be estimated by adding 1.5°F per 100 feet additional depth.

Average Annual Climate



Long Term Psychrometric Summary





	(°F) / (gr/lb)	MCDB (°F)	MCWB (°F)	MCDP (°F)	MCHR (gr/lb)	Enthalpy (btu/lb)
1.0% Dry Bulb	91.0		59		40.0	28.0
99.0% Dry Bulb	6.0				8.0	2.6
1.0% Humidity Ratio	91.0	66.0	61.4	59.0		30.1

Dry-Bulb Temperature Hours For An Average Year

	January					February					March				
Temperature Range (°F)	**01 To 08 LST**	**09 To 16 LST**	**17 to 00 LST**	**Total Obs**	**MCWB (°F)**	**01 To 08 LST**	**09 To 16 LST**	**17 to 00 LST**	**Total Obs**	**MCWB (°F)**	**01 To 08 LST**	**09 To 16 LST**	**17 to 00 LST**	**Total Obs**	**MCWB (°F)**
100/104															
95/ 99															
90/ 94															
85/ 89															
80/ 84												0		0	51
75/ 79							0		0	48.7		3	0	3	47.7
70/ 74		0		0	45.4		1	0	1	45.3		12	2	14	45.9
65/ 69		2		2	43.6		4	0	4	43.6		16	4	20	44.1
60/ 64		8	0	8	41.4	0	13	2	15	41.7	0	32	10	42	42.5
55/ 59		17	2	19	39.5	0	20	4	24	39.4	3	35	18	56	40.5
50/ 54	2	28	8	38	37.2	2	24	10	36	37.2	11	33	30	74	38.4
45/ 49	7	33	17	57	34.8	7	31	18	56	34.9	24	32	37	93	36
40/ 44	14	33	22	69	32.4	14	27	22	63	32.6	30	23	33	86	34.1
35/ 39	32	36	43	111	29.9	28	29	37	94	30.3	49	22	38	109	31.7
30/ 34	48	30	48	126	26.9	42	25	43	110	27.6	55	20	37	112	28.7
25/ 29	51	26	39	116	23.5	47	21	35	103	24.2	40	12	22	74	24.9
20/ 24	32	13	26	71	19.6	30	10	20	60	20.2	18	4	8	30	20.5
15/ 19	27	11	20	58	15.9	25	8	14	47	16.3	10	3	5	18	16.4
10/ 14	16	4	10	30	11	12	5	7	24	11.2	5	2	2	9	11.4
5/ 9	9	4	5	18	6.4	6	3	5	14	6.3	2	1	1	4	6.4
0/ 4	6	2	5	13	1.2	4	2	3	9	1.1	1	0	0	1	1.8
-5/ -1	2	1	1	4	-2.9	2	1	1	4	-3.5	0		0	0	-2.6
-10/ -6	1	0	1	2	-7.3	2	1	1	4	-7.9					
-15/-11	0		0	0	-10.7	1	0	1	2	-12.4					
-20/-16						1			1	-15.9					
-25/-21															
-30/-26															

Caution: This summary reflects the typical distribtion of temperature in a typical year. It does not reflect the typical mositure 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.

Dry-Bulb Temperature Hours For An Average Year

	April					May					June				
Temperature Range (°F)	**01 To 08 LST**	**09 To 16 LST**	**17 to 00 LST**	**Total Obs**	**MCWB (°F)**	**01 To 08 LST**	**09 To 16 LST**	**17 to 00 LST**	**Total Obs**	**MCWB (°F)**	**01 To 08 LST**	**09 To 16 LST**	**17 to 00 LST**	**Total Obs**	**MCWB (°F)**
100/104												0	0	0	58.7
95/ 99												5	1	6	58
90/ 94							1	0	1	56.3		21	4	25	57.4
85/ 89		0	0	0	53.3		5	1	6	55.4	0	30	8	38	57.3
80/ 84		2	0	2	51		19	4	23	53.9	2	44	16	62	57.4
75/ 79		12	1	13	49.4	1	33	10	44	53	5	43	29	77	56.5
70/ 74	0	25	7	32	47.6	3	40	17	60	51.9	15	39	40	94	55.4
65/ 69	1	24	9	34	46.3	6	31	21	58	50.9	26	25	37	88	54.3
60/ 64	4	36	19	59	44.8	16	39	38	93	49.4	58	17	46	121	53.1
55/ 59	11	33	28	72	43	36	30	46	112	47.7	67	8	33	108	51.3
50/ 54	23	29	38	90	40.9	58	22	46	126	45.9	44	5	18	67	48.5
45/ 49	40	28	40	108	38.8	60	15	36	111	42.8	18	3	7	28	44.5
40/ 44	40	17	32	89	36.7	33	8	16	57	39.4	4	0	1	5	40.8
35/ 39	52	15	32	99	33.8	22	4	8	34	35.4	1	0	0	1	36.2
30/ 34	45	13	23	81	30.1	11	2	5	18	31.1	0			0	34
25/ 29	16	4	7	27	25.3	1	0	0	1	26.4					
20/ 24	4	1	3	8	21.4	0		0	0	22.1					
15/ 19	3	1	1	5	17.2	0			0	19					
10/ 14	1	0	0	1	11.6										
5/ 9	1		0	1	7.2										
0/ 4															
-5/ -1															
-10/ -6															
-15/-11															
-20/-16															
-25/-21															
-30/-26															

Caution: This summary reflects the typical distribtion of temperature in a typical year. It does not reflect the typical mositure 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.

Dry-Bulb Temperature Hours For An Average Year

	July					August					September				
Temperature Range (°F)	**01 To 08 LST**	**09 To 16 LST**	**17 to 00 LST**	**Total Obs**	**MCWB (°F)**	**01 To 08 LST**	**09 To 16 LST**	**17 to 00 LST**	**Total Obs**	**MCWB (°F)**	**01 To 08 LST**	**09 To 16 LST**	**17 to 00 LST**	**Total Obs**	**MCWB (°F)**
100/104		1		1	60.4		0		0	60					
95/ 99		14	2	16	59.4		3	0	3	59.4		0		0	58.6
90/ 94		46	9	55	59.5		26	4	30	59.1	0	7	0	7	57.7
85/ 89	0	45	14	59	59.9	0	44	8	52	59.2	0	22	2	24	56.1
80/ 84	3	58	27	88	59.8	0	63	19	82	59.2	0	44	9	53	55.3
75/ 79	14	40	42	96	59.1	6	51	34	91	58.7	1	46	17	64	54.3
70/ 74	37	24	54	115	58.1	24	32	53	109	57.7	6	39	30	75	53.4
65/ 69	57	11	45	113	57.2	47	15	53	115	56.6	16	25	36	77	52.2
60/ 64	86	7	41	134	56.6	92	10	55	157	55.6	43	23	48	114	51
55/ 59	43	2	12	57	54.2	60	3	19	82	53.3	61	14	45	120	49.1
50/ 54	7	0	1	8	49.7	16	1	3	20	49.8	54	10	28	92	46.2
45/ 49	1		0	1	43.9	2	0	0	2	45.4	37	5	14	56	42.9
40/ 44	0			0	40						12	2	4	18	39.4
35/ 39											6	2	3	11	36
30/ 34											3	1	2	6	31.2
25/ 29											1		0	1	27.1
20/ 24											0			0	22
15/ 19															
10/ 14															
5/ 9															
0/ 4															
-5/ -1															
-10/ -6															
-15/-11															
-20/-16															
-25/-21															
-30/-26															

Caution: This summary reflects the typical distribtion of temperature in a typical year. It does not reflect the typical mositure 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.

Dry-Bulb Temperature Hours For An Average Year

	October					November					December				
Temperature Range (°F)	**01 To 08 LST**	**09 To 16 LST**	**17 to 00 LST**	**Total Obs**	**MCWB (°F)**	**01 To 08 LST**	**09 To 16 LST**	**17 to 00 LST**	**Total Obs**	**MCWB (°F)**	**01 To 08 LST**	**09 To 16 LST**	**17 to 00 LST**	**Total Obs**	**MCWB (°F)**
100/104															
95/ 99															
90/ 94															
85/ 89		0		0	53.9										
80/ 84		10	0	10	52										
75/ 79		23	2	25	50.5		1		1	47.3					
70/ 74	0	31	6	37	49		10		10	46.2		0		0	45.9
65/ 69	1	30	10	41	47.6		15	1	16	44.9		2		2	43.8
60/ 64	7	37	22	66	46	0	27	3	30	43		8	0	8	41.6
55/ 59	17	32	37	86	43.9	3	31	10	44	40.7	0	18	2	20	39.4
50/ 54	39	28	47	114	42	11	29	21	61	38.4	2	26	6	34	37.2
45/ 49	54	20	45	119	39.5	25	30	36	91	35.9	8	33	14	55	34.7
40/ 44	44	12	29	85	36.9	30	22	31	83	33.5	14	28	22	64	32.2
35/ 39	43	11	26	80	33.8	44	25	42	111	31.3	30	36	36	102	29.7
30/ 34	26	7	15	48	30.1	47	23	40	110	28.4	44	32	48	124	26.7
25/ 29	11	2	5	18	25.7	40	13	29	82	24.6	46	26	45	117	23.4
20/ 24	3	2	2	7	20.7	17	6	12	35	20.2	35	13	28	76	19.8
15/ 19	2	1	1	4	17.3	14	4	9	27	16.2	31	11	21	63	15.9
10/ 14	0	0	0	0	12.3	5	2	4	11	11.3	17	6	10	33	11.1
5/ 9	1		0	1	6.6	2	0	2	4	6.7	10	4	7	21	6.1
0/ 4	0			0	2.3	2	1	1	4	1.7	5	2	4	11	1.2
-5/ -1						0	0	0	0	-2.4	2	1	3	6	-3.3
-10/ -6						0		0	0	-6.8	3	0	2	5	-7.5
-15/-11											1	0	1	2	-12.3
-20/-16											0	0	0	0	-16.9
-25/-21											0	0		0	-21
-30/-26											0			0	-25

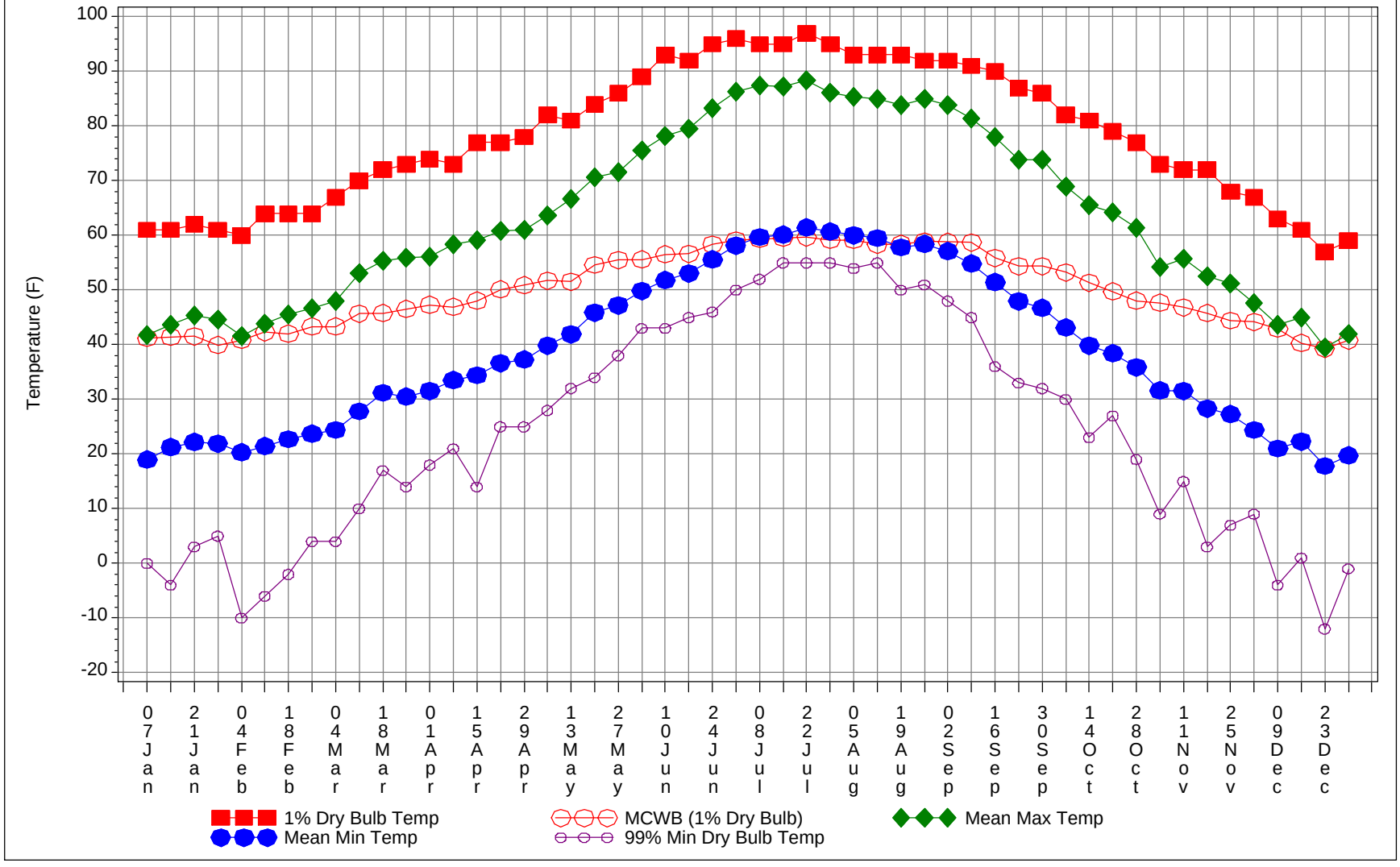
Caution: This summary reflects the typical distribtion of temperature in a typical year. It does not reflect the typical mositure distribution. Because wet bulb temperatures are averaged, this summary understates the annual moisture load. For accurate moisture load data, see the long-term humidity summary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

Dry-Bulb Temperature Hours For An Average Year

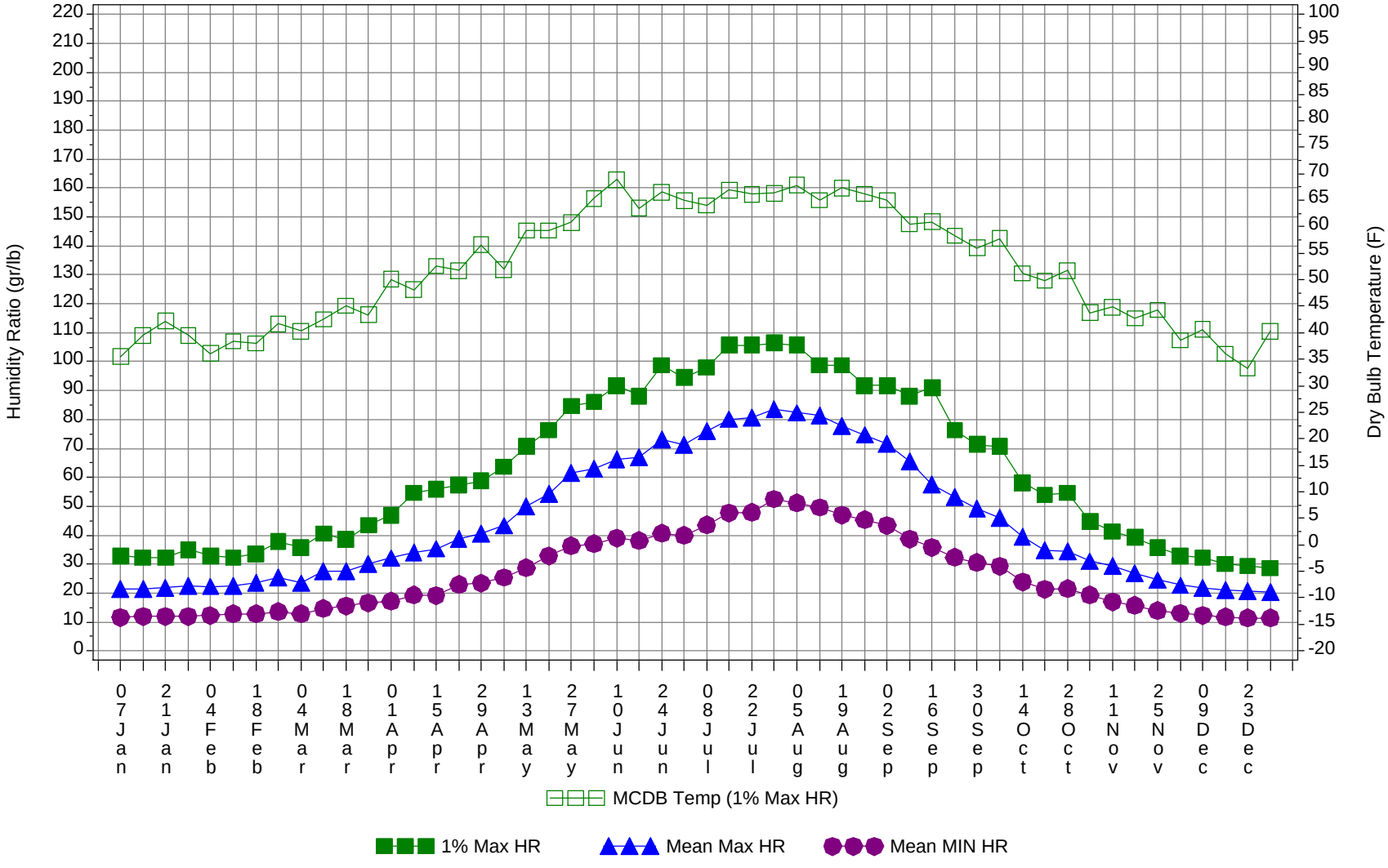
	Annual				
Temperature Range (°F)	**01 To 08 LST**	**09 To 16 LST**	**17 to 00 LST**	**Total Obs**	**MCWB (°F)**
100/104		1	0	1	59.5
95/ 99		22	2	24	59.1
90/ 94	0	102	17	119	58.8
85/ 89	0	145	33	178	58.5
80/ 84	5	239	76	320	57.8
75/ 79	27	252	136	415	56.2
70/ 74	86	253	209	548	54.4
65/ 69	154	199	215	568	53
60/ 64	307	256	283	846	51
55/ 59	300	243	256	799	47.1
50/ 54	269	237	256	762	42.6
45/ 49	284	229	265	778	38.5
40/ 44	234	173	211	618	34.9
35/ 39	308	181	267	756	31.6
30/ 34	321	153	261	735	28.2
25/ 29	253	104	182	539	24.1
20/ 24	139	50	99	288	20
15/ 19	112	38	71	221	16.1
10/ 14	56	20	35	111	11.1
5/ 9	30	12	21	63	6.3
0/ 4	18	7	13	38	1.3
-5/ -1	7	3	6	16	-3.2
-10/ -6	6	1	4	11	-7.5
-15/-11	2	1	2	5	-12.3
-20/-16	1	0	0	1	-16.4
-25/-21	0	0		0	-21
-30/-26	0			0	-25

Caution: This summary reflects the typical distribtion of temperature in a typical year. It does not reflect the typical mositure 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.

Annual Summary of Temperatures



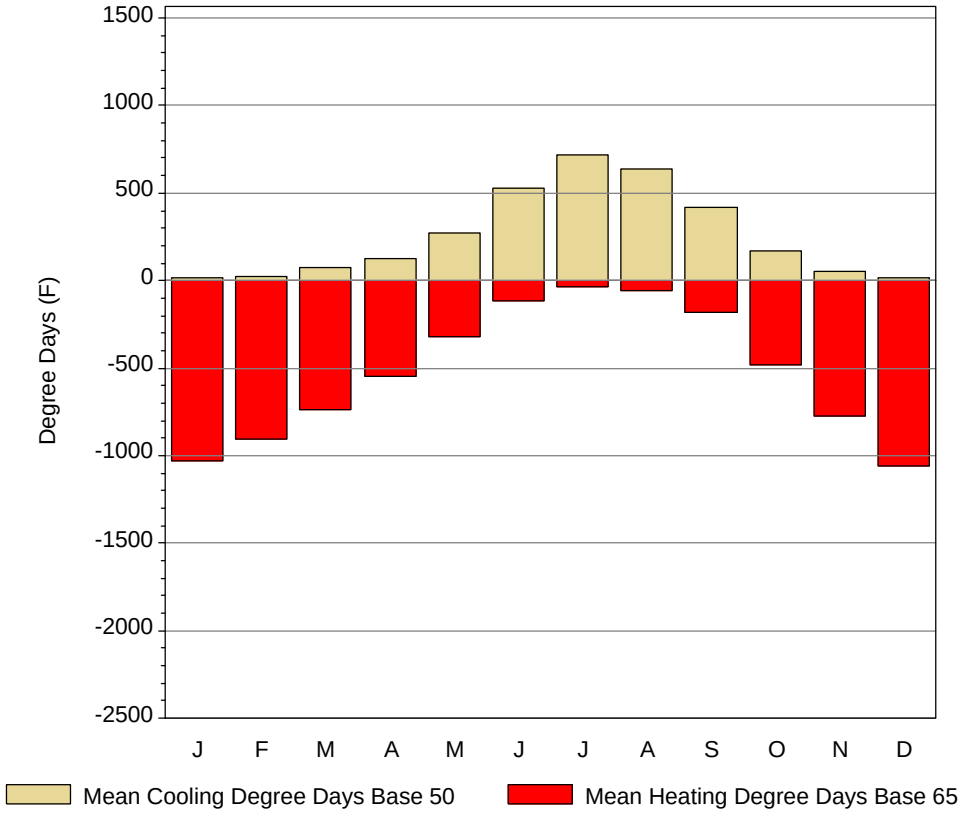
Long Term Humidity and Dry Bulb Temperature Summary



Long Term Humidity and Dry Bulb Temperature Summary

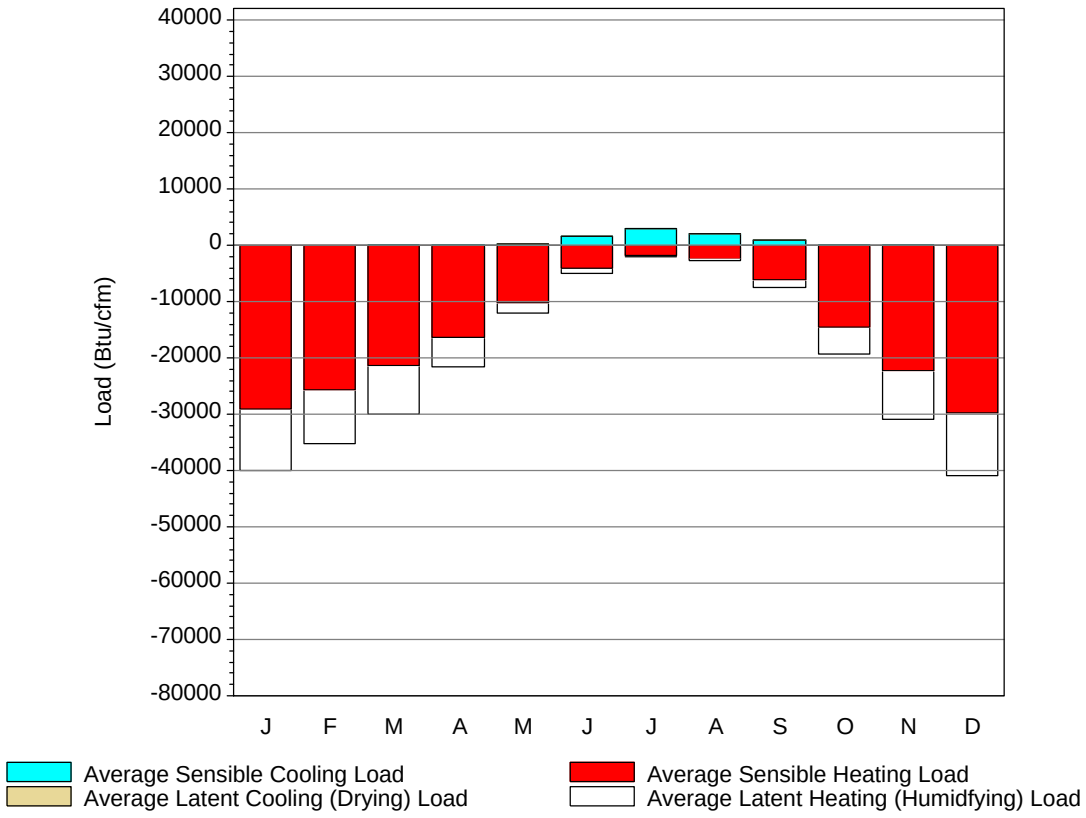
Week Ending	1.0% Temp (°F)	MCWB@ 1% Temp (°F)	Mean Max Temp (°F)	Mean Min Temp (°F)	99% Temp (°F)	1.0% HR (gr/lb)	MCDB@ 1% HR (°F)	Mean Max HR (gr/lb)	Mean Min HR (gr/lb)
7-Jan	61	41.2	41.8	19	0	32.9	35.5	21.5	11.5
14-Jan	61	41.4	43.7	21.2	-4	32.2	39.5	21.4	12
21-Jan	62	41.5	45.3	22.2	3	32.2	42.2	21.9	12
28-Jan	61	39.9	44.5	21.9	5	35	39.5	22.4	12
4-Feb	60	40.9	41.6	20.3	-10	32.9	36.1	22.3	12.2
11-Feb	64	42.3	43.9	21.4	-6	32.2	38.4	22.5	12.8
18-Feb	64	42	45.6	22.7	-2	33.6	38	23.6	12.8
25-Feb	64	43.3	46.6	23.7	4	37.8	41.7	25.3	13.6
4-Mar	67	43.3	48	24.4	4	35.7	40.3	23.4	12.8
11-Mar	70	45.7	53	27.8	10	40.6	42.5	27.5	14.7
18-Mar	72	45.8	55.4	31.2	17	38.5	45.1	27.6	15.5
25-Mar	73	46.5	56	30.5	14	43.4	43.4	30	16.7
1-Apr	74	47.3	56.1	31.5	18	46.9	50.1	32.1	17.2
8-Apr	73	46.9	58.4	33.5	21	54.6	48.1	34	19.3
15-Apr	77	48	59.2	34.4	14	56	52.6	35.3	19.2
22-Apr	77	50.1	60.9	36.6	25	57.4	51.7	38.9	22.9
29-Apr	78	50.9	61	37.3	25	58.8	56.6	40.5	23.4
6-May	82	51.7	63.6	39.8	28	63.7	51.9	43.3	25.4
13-May	81	51.5	66.6	41.9	32	70.7	59.3	49.9	28.8
20-May	84	54.6	70.7	45.9	34	76.3	59.3	54.3	32.8
27-May	86	55.5	71.5	47.2	38	84.7	60.8	61.6	36.3
4-Jun	89	55.6	75.6	49.8	43	86.1	65.3	62.9	37.1
10-Jun	93	56.5	78.2	51.8	43	91.7	68.9	66.1	39.1
17-Jun	92	56.6	79.5	53	45	88.2	63.5	66.9	38.2
24-Jun	95	58.3	83.3	55.6	46	98.7	66.5	73.1	40.6
1-Jul	96	59.1	86.3	58.1	50	94.5	64.9	71.2	40
8-Jul	95	59.4	87.4	59.7	52	98	64	75.9	43.6
15-Jul	95	59.5	87.2	60.1	55	105.7	66.9	80.1	47.7
22-Jul	97	59.6	88.3	61.4	55	105.7	66.1	80.6	47.9
29-Jul	95	59.2	86.2	60.7	55	106.4	66.3	83.6	52.5
5-Aug	93	59.2	85.4	60	54	105.7	67.8	82.3	51.2
12-Aug	93	58.3	85	59.5	55	98.7	65	81.4	49.6
19-Aug	93	58.4	83.8	57.8	50	98.7	67.3	77.9	46.9
26-Aug	92	58.9	85	58.4	51	91.7	66.2	74.7	45.4
2-Sep	92	58.8	83.8	57.1	48	91.7	65	71.7	43.3
9-Sep	91	58.7	81.3	54.8	45	88.2	60.5	65.6	38.7
16-Sep	90	55.9	78	51.4	36	91	60.9	57.6	35.8
23-Sep	87	54.4	73.9	47.9	33	76.3	58.3	53.2	32.4
30-Sep	86	54.4	73.8	46.7	32	71.4	56	49.3	30.6
7-Oct	82	53.2	69	43.1	30	70.7	57.8	45.9	29.3
14-Oct	81	51.3	65.6	39.8	23	58.1	51.2	39.5	23.9
21-Oct	79	49.7	64.3	38.4	27	53.9	49.8	34.9	21.4
28-Oct	77	48	61.3	35.9	19	54.6	51.7	34.4	21.5
4-Nov	73	47.7	54.3	31.6	9	44.8	43.8	31	19.4
11-Nov	72	46.8	55.8	31.5	15	41.3	44.8	29.3	17
18-Nov	72	45.8	52.5	28.3	3	39.2	42.7	26.8	15.7
25-Nov	68	44.4	51.2	27.3	7	35.7	44.3	24.5	13.9
2-Dec	67	44.2	47.6	24.4	9	32.9	38.6	22.7	13
9-Dec	63	42.9	43.6	21	-4	32.2	40.6	21.7	12.3
16-Dec	61	40.3	44.9	22.3	1	30.1	36	21.1	11.7
23-Dec	57	39.3	39.4	17.8	-12	29.4	33.3	20.6	11.4
31-Dec	59	40.8	42	19.7	-1	28.7	40.3	20.3	11.4

Degree Days, Heating and Cooling
(Base 65 F) & Cooling (Base 50F)



Month	Mean Cooling Degree Days (°F) Base 50	Mean Cooling Degree Days (°F) Base 65	Mean Heating Degree Days (°F) Base 65
JAN	13.5	0.2	1031.1
FEB	20.6	0.6	908.8
MAR	72.3	6.5	736.7
APR	126.1	18.8	546.7
MAY	273.5	64.4	322.3
JUN	527.7	184.4	112.1
JUL	715.7	286.7	36.2
AUG	638.3	227.7	54.6
SEP	418.5	127.7	182.6
OCT	172.5	33.9	483.6
NOV	53.6	4.4	773.7
DEC	13.9	0.2	1058.2
ANN	3046.2	955.5	6246.6

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



Month	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	-29132	0	-10905
FEB	0	-25741	0	-9432
MAR	4	-21413	0	-8507
APR	34	-16287	0	-5357
MAY	340	-10221	2	-1849
JUN	1682	-4087	10	-780
JUL	2968	-1719	92	-309
AUG	2080	-2398	39	-227
SEP	983	-6175	4	-1328
OCT	128	-14625	0	-4738
NOV	1	-22320	0	-8495
DEC	0	-29832	0	-11147
ANN	8220	-183950	147	-63074

Station Information		Shading Geometry in Dimensionless Units	
City, State, WBAN	BOULDER, CO 94018	Window:	1.000
Lat, Lon, Elev	40.02N 105.25W 5361ft	Overhang:	0.534
Press, Stn_Type	12.1psia Primary	Vert Gap:	0.321

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

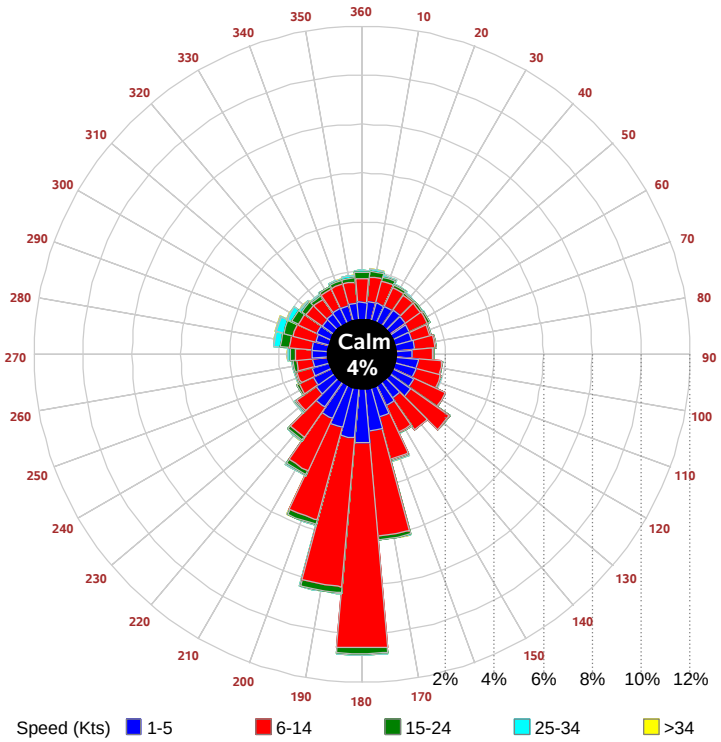
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
HORIZ.	Global	750	1030	1390	1750	1960	2160	2120	1890	1580	1200	830	670	1450
	Std.Dev.	52	51	96	115	152	164	116	115	119	95	46	41	54
	Minimum	660	880	1170	1510	1530	1810	1780	1590	1250	990	730	610	1340
	Maximum	850	1110	1570	1940	2270	2460	2350	2100	1760	1340	900	740	1520
	Diffuse	280	380	520	630	710	670	650	580	450	340	290	250	480
Clear Day	Global	950	1310	1830	2330	2650	2770	2680	2390	1950	1440	1020	840	1850
NORTH	Global	200	260	350	440	550	630	580	460	350	270	210	180	370
	Diffuse	200	260	350	420	480	490	480	430	350	270	210	180	340
Clear Day	Global	170	230	310	410	590	720	650	460	320	250	190	160	370
EAST	Global	550	710	910	1110	1200	1320	1340	1220	1020	820	590	490	940
	Diffuse	250	330	430	520	570	570	570	520	420	340	270	220	420
Clear Day	Global	750	960	1240	1460	1570	1590	1560	1460	1270	1020	780	680	1190
SOUTH	Global	1370	1410	1300	1110	890	810	850	1020	1270	1460	1370	1330	1180
	Diffuse	360	430	500	540	540	520	520	510	460	410	370	330	460
Clear Day	Global	2060	2100	1920	1470	1080	920	980	1270	1690	2000	2050	2010	1630
WEST	Global	520	680	840	980	1020	1070	1010	970	920	780	570	480	820
	Diffuse	250	330	440	530	580	590	570	520	430	340	270	220	420
Clear Day	Global	750	960	1240	1460	1570	1590	1560	1460	1270	1020	780	680	1190

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	480	700	980	1260	1420	1580	1550	1380	1130	830	540	420	1020
NORTH	Unshaded	140	180	240	300	360	400	370	310	240	190	150	120	250
	Shaded	120	170	220	270	320	360	340	280	220	170	130	110	230
EAST	Unshaded	370	500	650	790	860	950	960	880	730	580	410	330	670
	Shaded	340	450	570	690	730	800	810	760	640	520	370	300	580
SOUTH	Unshaded	1030	1040	900	710	540	470	500	640	850	1050	1030	1010	810
	Shaded	1010	970	710	450	340	330	330	370	600	930	1000	990	670
WEST	Unshaded	360	470	590	690	720	760	710	690	650	550	390	330	580
	Shaded	330	420	520	600	610	640	610	590	570	490	360	300	500

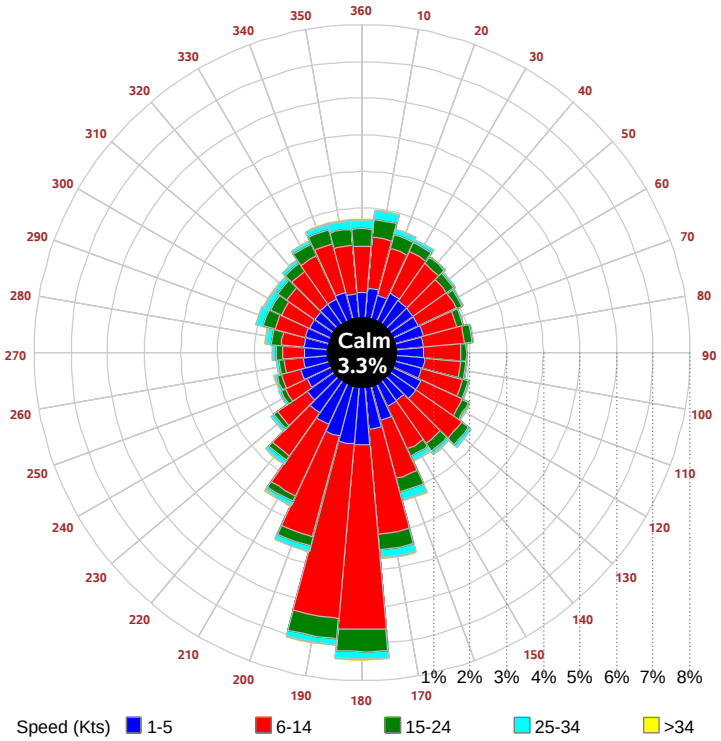
AVERAGE INCIDENT ILLUMINANCE (klux-hr) FOR MOSTLY CLEAR AND MOSTLY CLOUDY CONDITIONS Percentage Uncertainty = 9											
				March					June		
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	42	73	82	65	27	51	84	101	95	68
	M.Cloudy	28	51	59	44	18	34	63	78	67	46
NORTH	M.Clear	10	13	15	13	8	18	14	16	16	14
	M.Cloudy	10	15	17	14	7	14	16	17	17	14
EAST	M.Clear	81	56	15	13	8	86	70	29	16	14
	M.Cloudy	38	37	17	14	7	46	51	26	17	14
SOUTH	M.Clear	44	74	85	67	28	11	31	46	41	20
	M.Cloudy	24	46	55	39	14	11	27	38	32	17
WEST	M.Clear	10	13	24	68	70	11	14	16	52	79
	M.Cloudy	10	15	21	40	29	11	16	17	38	47
M.Clear	(% hrs)	38	38	32	30	29	59	60	51	36	28

				Sept					Dec		
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	31	69	84	77	47	16	43	48	29	2
	M.Cloudy	18	45	60	52	31	10	29	34	20	2
NORTH	M.Clear	8	13	14	14	10	5	10	10	8	1
	M.Cloudy	7	14	16	15	11	5	10	11	8	1
EAST	M.Clear	77	71	26	14	10	47	41	10	8	1
	M.Cloudy	28	41	23	15	11	18	24	11	8	1
SOUTH	M.Clear	24	59	75	69	39	44	87	94	67	5
	M.Cloudy	12	35	50	42	23	17	44	50	31	2
WEST	M.Clear	8	13	14	54	77	5	10	23	52	8
	M.Cloudy	7	14	16	35	39	5	10	17	25	3
M.Clear	(% hrs)	57	58	57	50	44	41	44	44	42	43

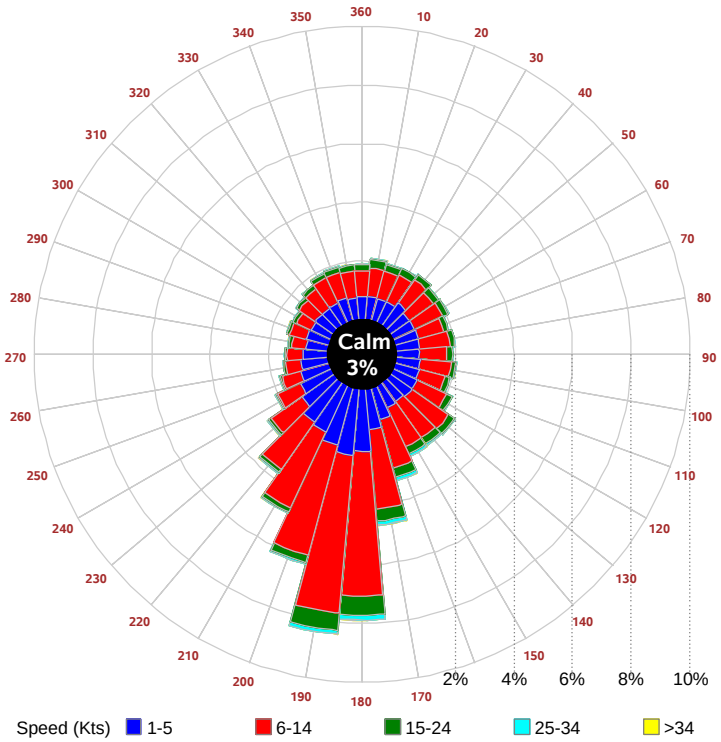
Wind Summary - December, January, and February



Wind Summary - March, April, and May



Wind Summary - June, July, and August



Wind Summary - September, October, and November