

PRISTINA, KV	
Latitude = 42.57 N	Station ID = ICAO_BKPR
Longitude = 21.03 E	Elevation = 1834 Feet
Period of Record = 2004 To 2017	Average Pressure = 28.09 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	97	65	47	7.7	VRB
0.4% Occurrence	93	65	55	6.9	VRB
1.0% Occurrence	90	65	58	7	VRB
2.0% Occurrence	88	65	61	7.3	VRB
Mean Daily Range	20	-	-	-	VRB
97.5% Occurrence	19	17	12	3.3	VRB
99.0% Occurrence	12	11	8	5.6	VRB
99.6% Occurrence	7	6	6	4.3	VRB
Median of Extreme Lows	0	0	5	0.7	VRB

	Design Value (°F)	Dry Bulb Temperature (°F)	Humidity Ratio (gr/lb)	Wind Speed (mph)	Prevailing Direction (NSEW)
Wet Bulb Temperature (T _{wb})					
Median of Extreme Highs	72	86	98	5.9	VRB
0.4% Occurrence	69	85	85	6.2	VRB
1.0% Occurrence	67	83	78	6.5	VRB
2.0% Occurrence	66	82	75	6.7	VRB

	Design Value (gr/lb)	Dry Bulb Temperature (°F)	Vapor Pressure (in. Hg)	Wind Speed (mph)	Prevailing Direction (NSEW)
Humidity Ratio (HR)					
Median of Extreme Highs	104	79	0.65	4.6	VRB
0.4% Occurrence	91	74	0.57	4.9	VRB
1.0% Occurrence	90	74	0.57	4.9	VRB
2.0% Occurrence	85	72	0.54	5	VRB

Air Conditioning/ Humid Area Criteria	Threshold	T ≥ 93 °F	T ≥ 80 °F	Twb ≥ 73 °F	Twb ≥ 67 °F
	# of Hours	50	516	4	142

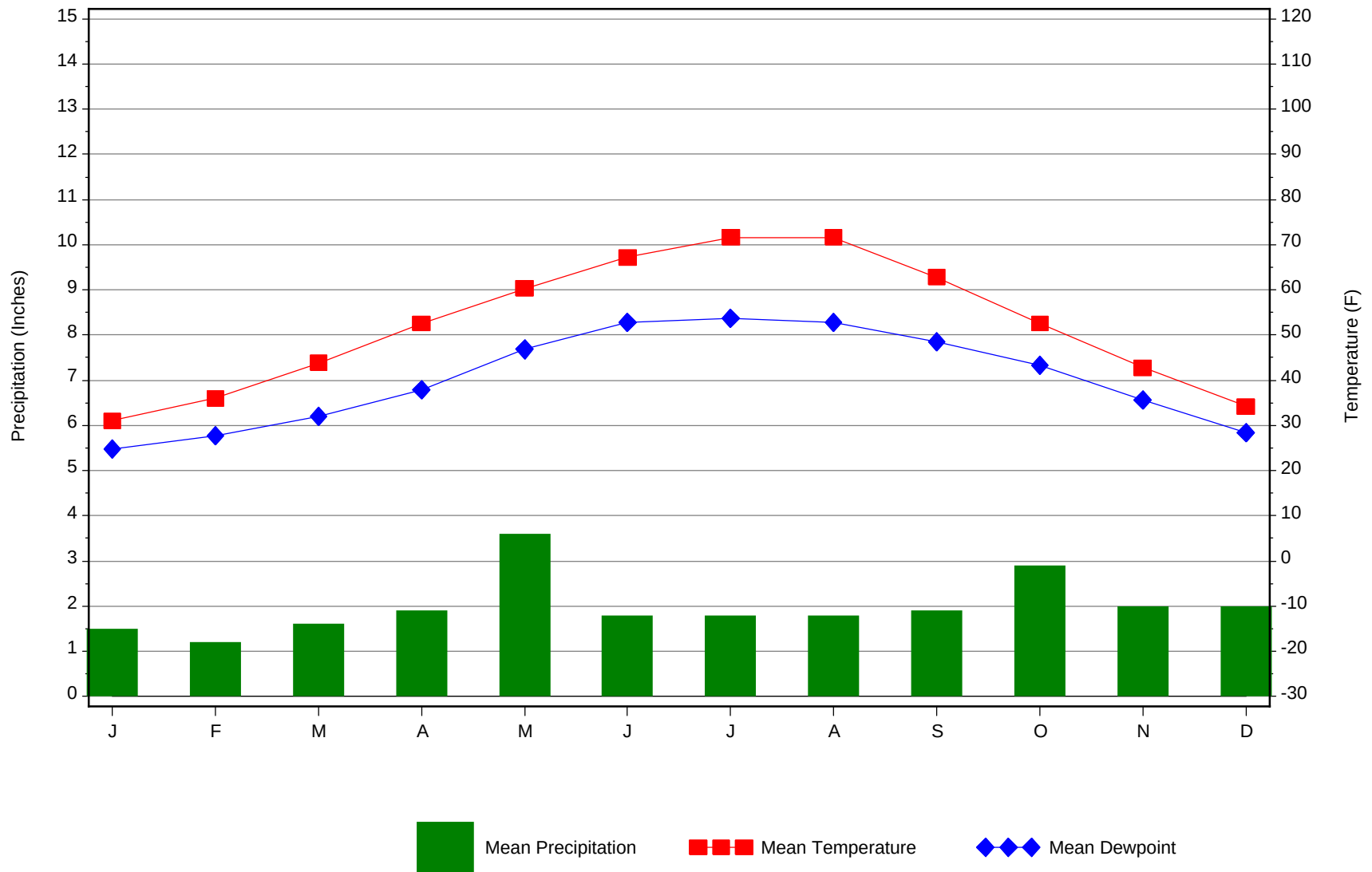
Other Site Data

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
7	N/A	N/A	0.1 + 0.6
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 (#)
54.9	N/A	N/A	47

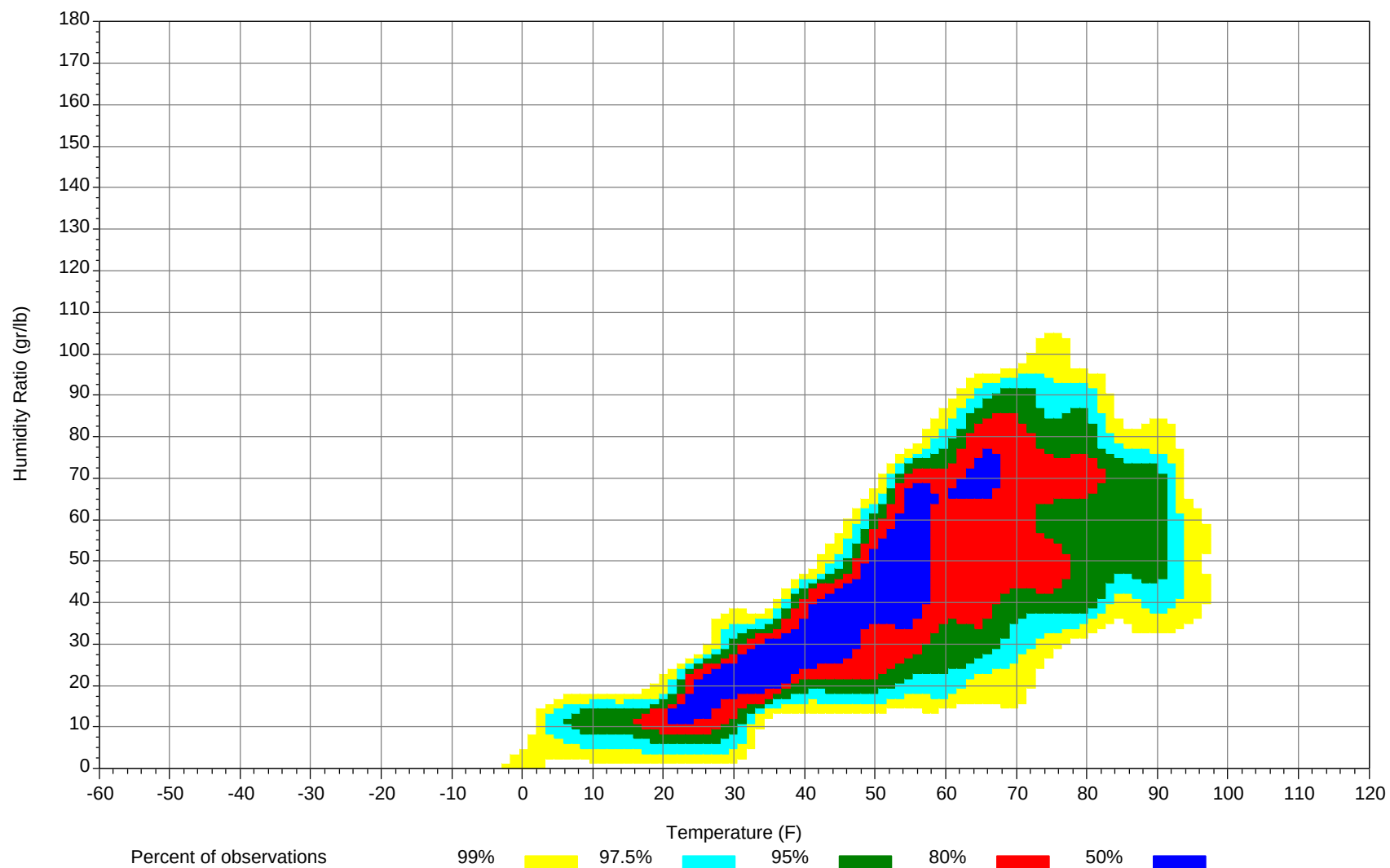
*Note: Temperatures at greater depths can be estimated by adding 1.5°F per 100 feet additional depth.



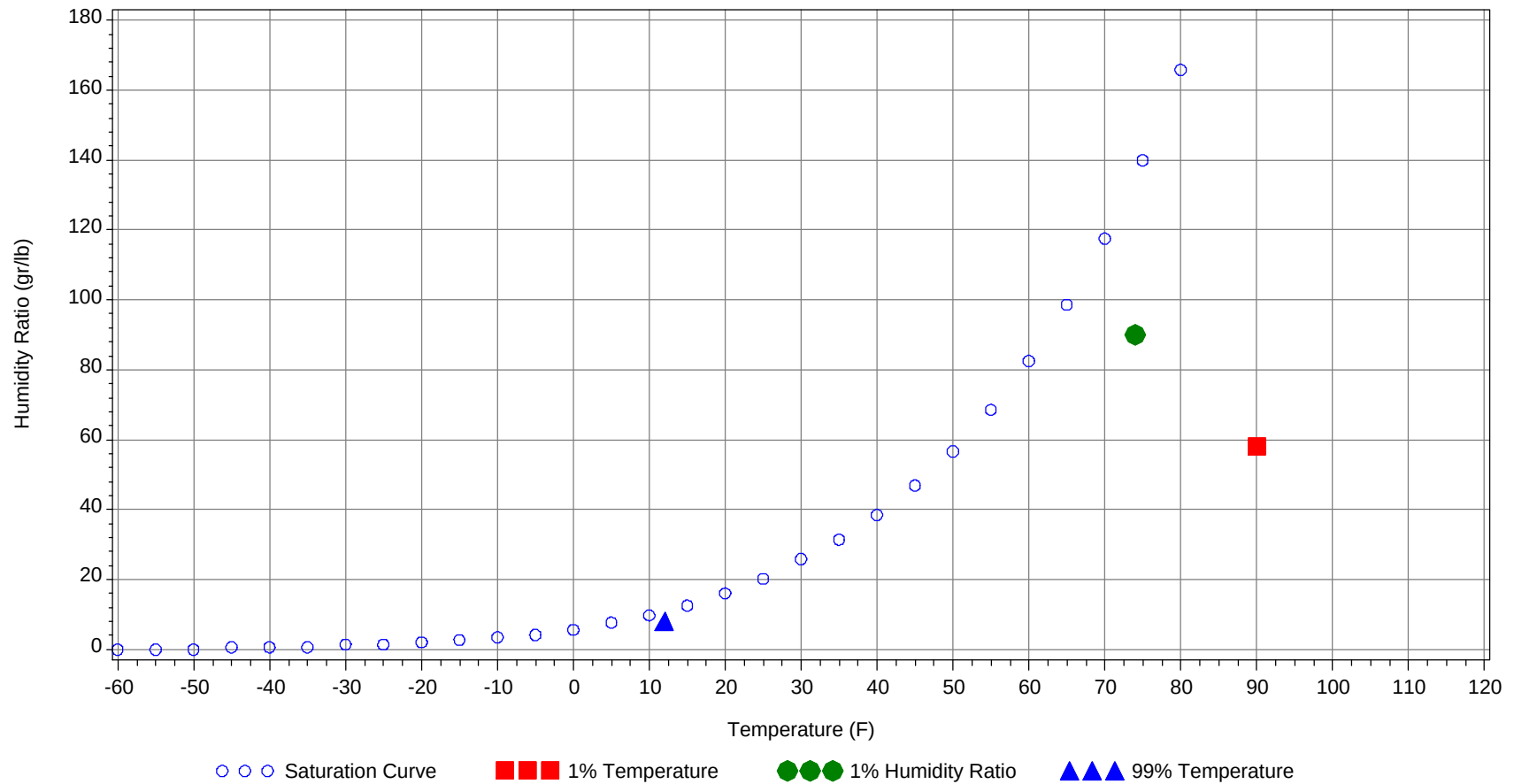
Average Annual Climate



Long Term Psychrometric Summary



Psychrometric Summary of Peak Design Values



	(° F) / (gr/lb)	MCDB (° F)	MCWB (° F)	MCDP (° F)	MCHR (gr/lb)	Enthalpy (btu/lb)
1.0% Dry Bulb	90.0		65		58.0	30.9
99.0% Dry Bulb	12.0				8.0	4.2
1.0% Humidity Ratio	90.0	74.0	66.3	62.6		31.9

Dry-Bulb Temperature Hours For An Average Year

Temperature Range (°F)	January					February					March				
	01 To 08 LST	09 To 16 LST	17 to 00 LST	Total Obs	M C W B (°F)	01 To 08 LST	09 To 16 LST	17 to 00 LST	Total Obs	M C W B (°F)	01 To 08 LST	09 To 16 LST	17 to 00 LST	Total Obs	M C W B (°F)
100/104															
95/ 99															
90/ 94															
85/ 89															
80/ 84															
75/ 79												0		0	53.8
70/ 74							1		1	52.1		4	1	5	52
65/ 69		0		0	50		2	0	2	51.2		11	1	12	50.6
60/ 64		1		1	49.7		4	1	5	49.3	0	24	8	32	48.6
55/ 59	1	5	1	7	47.8	0	16	5	21	46.8	2	39	25	66	46.6
50/ 54	3	15	6	24	45.5	5	29	15	49	44.6	17	50	41	108	44.6
45/ 49	8	32	19	59	41.7	12	36	32	80	41.4	37	45	52	134	41.1
40/ 44	13	23	21	57	38.4	23	26	30	79	38.3	43	26	40	109	38.1
35/ 39	36	47	44	127	34.8	55	41	51	147	34.6	64	26	43	133	34.4
30/ 34	59	49	57	165	30.2	51	34	43	128	29.7	56	15	23	94	30
25/ 29	49	39	44	132	25	35	17	23	75	24.6	20	6	10	36	25.3
20/ 24	24	16	20	60	20.6	16	6	8	30	20.7	3	1	1	5	20.8
15/ 19	23	11	14	48	16.5	11	7	7	25	16.3	3	1	2	6	16
10/ 14	14	7	9	30	11.1	8	4	6	18	11	2	0	0	2	11.4
5/ 9	10	3	9	22	6.1	3	1	1	5	6.3	0			0	7.8
0/ 4	4	1	2	7	1	1	0	2	3	0.8	0			0	1.7
-5/ -1	2	0	0	2	-3.5	2	0	0	2	-4.2					
-10/ -6	1	0	0	1	-7.9	2	0		2	-8					
-15/-11	0		0	0	-12.9	0			0	-12.4					
-20/-16	0			0	-15										

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.

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	M C W B (°F)	01 To 08 LST	09 To 16 LST	17 to 00 LST	Total Obs	M C W B (°F)	01 To 08 LST	09 To 16 LST	17 to 00 LST	Total Obs	M C W B (°F)
100/104															
95/ 99												1	0	1	66.4
90/ 94							1	0	1	65.2		12	3	15	66.8
85/ 89							1	1	2	65.4	0	20	6	26	66.1
80/ 84		2	0	2	57.7		14	2	16	61.8	0	39	14	53	64.5
75/ 79		7	1	8	55.9		43	13	56	60.3	4	56	27	87	62.7
70/ 74	0	23	6	29	53.1	2	49	24	75	58.1	16	48	40	104	60.9
65/ 69	1	28	10	39	51.8	6	37	26	69	56.3	22	27	40	89	59.1
60/ 64	2	55	28	85	50.5	28	49	57	134	54.6	70	25	59	154	57.2
55/ 59	14	59	50	123	48.4	70	33	62	165	52	78	10	37	125	53.7
50/ 54	59	34	70	163	46.4	80	15	44	139	48.3	42	1	11	54	49.8
45/ 49	80	18	46	144	42.4	47	5	17	69	44.2	8	0	1	9	45.3
40/ 44	36	8	13	57	38.5	12	0	2	14	40	1			1	40.7
35/ 39	33	4	12	49	34.8	4		0	4	36.4	0			0	37
30/ 34	12	2	3	17	30.9	0			0	31.8					
25/ 29	2	0	0	2	25.8										
20/ 24															
15/ 19															
10/ 14															
5/ 9															
0/ 4															
-5/ -1															
-10/ -6															
-15/-11															
-20/-16															

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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	M C W B (° F)	01 To 08 LST	09 To 16 LST	17 to 00 LST	Total Obs	M C W B (° F)	01 To 08 LST	09 To 16 LST	17 to 00 LST	Total Obs	M C W B (° F)
100/104		1	0	1	64.9		1	0	1	67.1					
95/ 99		7	2	9	65.2		10	2	12	65.2		0		0	64.4
90/ 94		29	9	38	65.7		29	8	37	64.8		8	1	9	63.3
85/ 89		32	12	44	65.1		34	11	45	64		9	2	11	62.3
80/ 84	0	55	27	82	64.1	0	59	27	86	63.3		22	7	29	61.6
75/ 79	8	61	39	108	62.7	5	54	43	102	62.5	0	43	16	59	60
70/ 74	28	39	56	123	61.2	24	37	61	122	61	3	50	29	82	58.5
65/ 69	45	11	43	99	60.1	43	12	42	97	59.8	9	31	30	70	57.6
60/ 64	90	10	44	144	57.8	103	10	41	154	57.6	45	40	62	147	56
55/ 59	60	1	14	75	54.3	58	2	12	72	53.8	78	26	53	157	52.8
50/ 54	16		1	17	50.2	12	0	2	14	49.2	62	11	32	105	48.9
45/ 49	1			1	44.9	4		0	4	45	31	1	7	39	44.2
40/ 44											7		1	8	39.8
35/ 39											4		0	4	36.6
30/ 34											0		0	0	33
25/ 29															
20/ 24															
15/ 19															
10/ 14															
5/ 9															
0/ 4															
-5/ -1															
-10/ -6															
-15/-11															
-20/-16															

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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	M C W B (°F)	01 To 08 LST	09 To 16 LST	17 to 00 LST	Total Obs	M C W B (°F)	01 To 08 LST	09 To 16 LST	17 to 00 LST	Total Obs	M C W B (°F)
100/104															
95/ 99															
90/ 94															
85/ 89		1	0	1	60.8										
80/ 84		2	0	2	60.7										
75/ 79		9	1	10	58.7		0		0	60					
70/ 74	0	33	4	37	57.6		4	0	4	58					
65/ 69	1	30	8	39	56.2	0	4	1	5	55.7		0	0	0	55.6
60/ 64	3	44	28	75	54.4	1	17	3	21	52.7	0	2	0	2	52.8
55/ 59	28	50	59	137	52.1	5	41	14	60	50.2	2	7	2	11	49.9
50/ 54	63	42	64	169	48.5	23	48	40	111	47.3	4	21	10	35	46.4
45/ 49	71	24	47	142	43.4	38	42	51	131	43	23	31	24	78	43
40/ 44	35	8	18	61	39.3	31	25	34	90	39.3	15	26	21	62	38.9
35/ 39	28	6	17	51	35.6	51	33	50	134	35.3	40	53	47	140	34.7
30/ 34	14	0	4	18	31	53	20	32	105	30.6	59	59	69	187	30.1
25/ 29	4	0	0	4	26.5	26	4	10	40	25.8	58	34	48	140	25.1
20/ 24	0			0	22.3	6	1	2	9	20.9	23	8	14	45	20.8
15/ 19						4	1	2	7	17.2	17	5	7	29	16.8
10/ 14						1	0	1	2	11.4	5	1	4	10	11.7
5/ 9						1		0	1	6.5	2	0	1	3	6.7
0/ 4						0			0	2	1	0	0	1	1
-5/ -1											0	0		0	-4
-10/ -6											0			0	-7.3
-15/-11															
-20/-16															

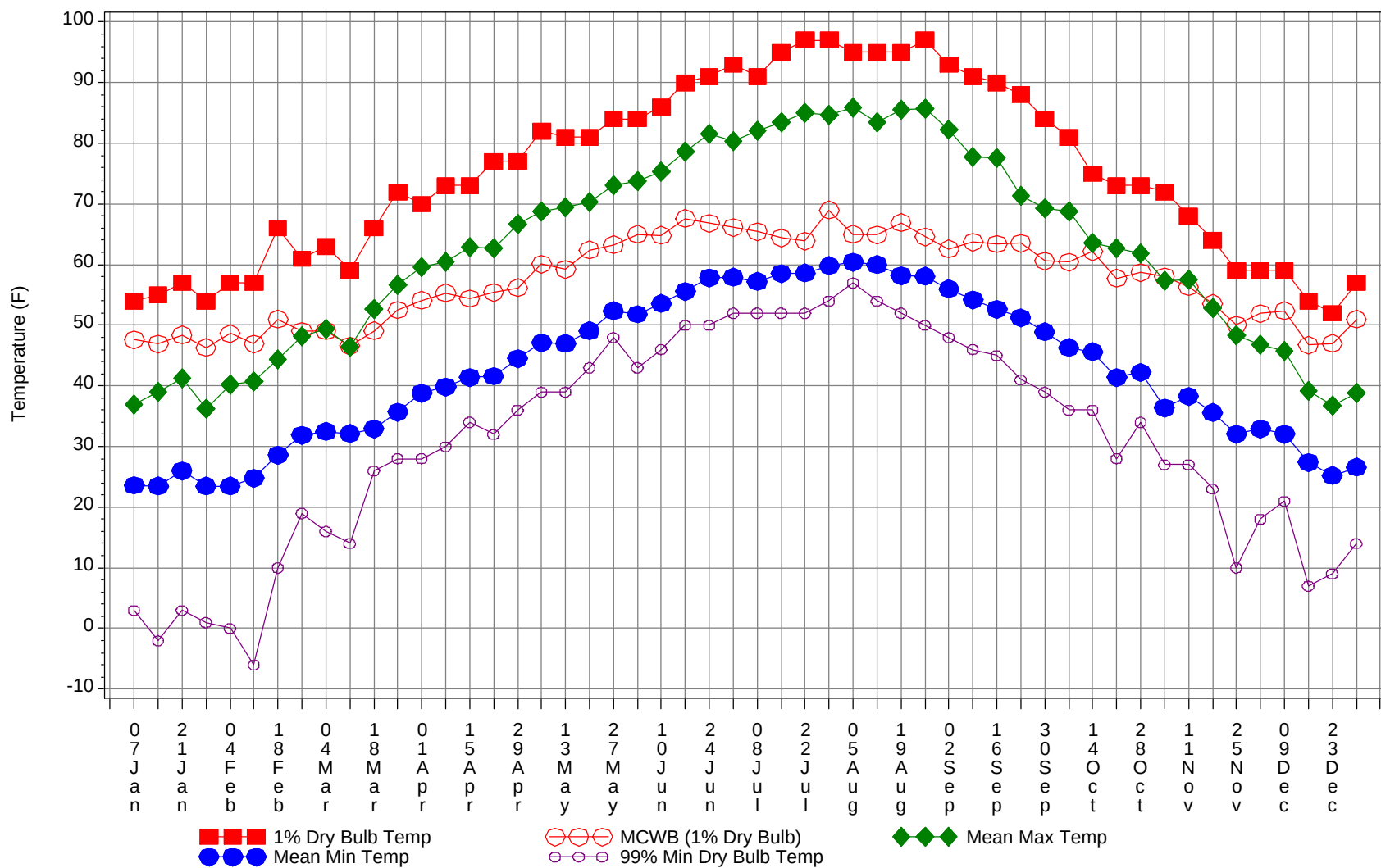
Caution: This summary reflects the typical distribution of temperature in a typical year. It does not reflect the typical moisture distribution. Because wet bulb temperatures are averaged, this summary understates the annual moisture load. For accurate moisture load data, see the long-term humidity summary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

Dry-Bulb Temperature Hours For An Average Year

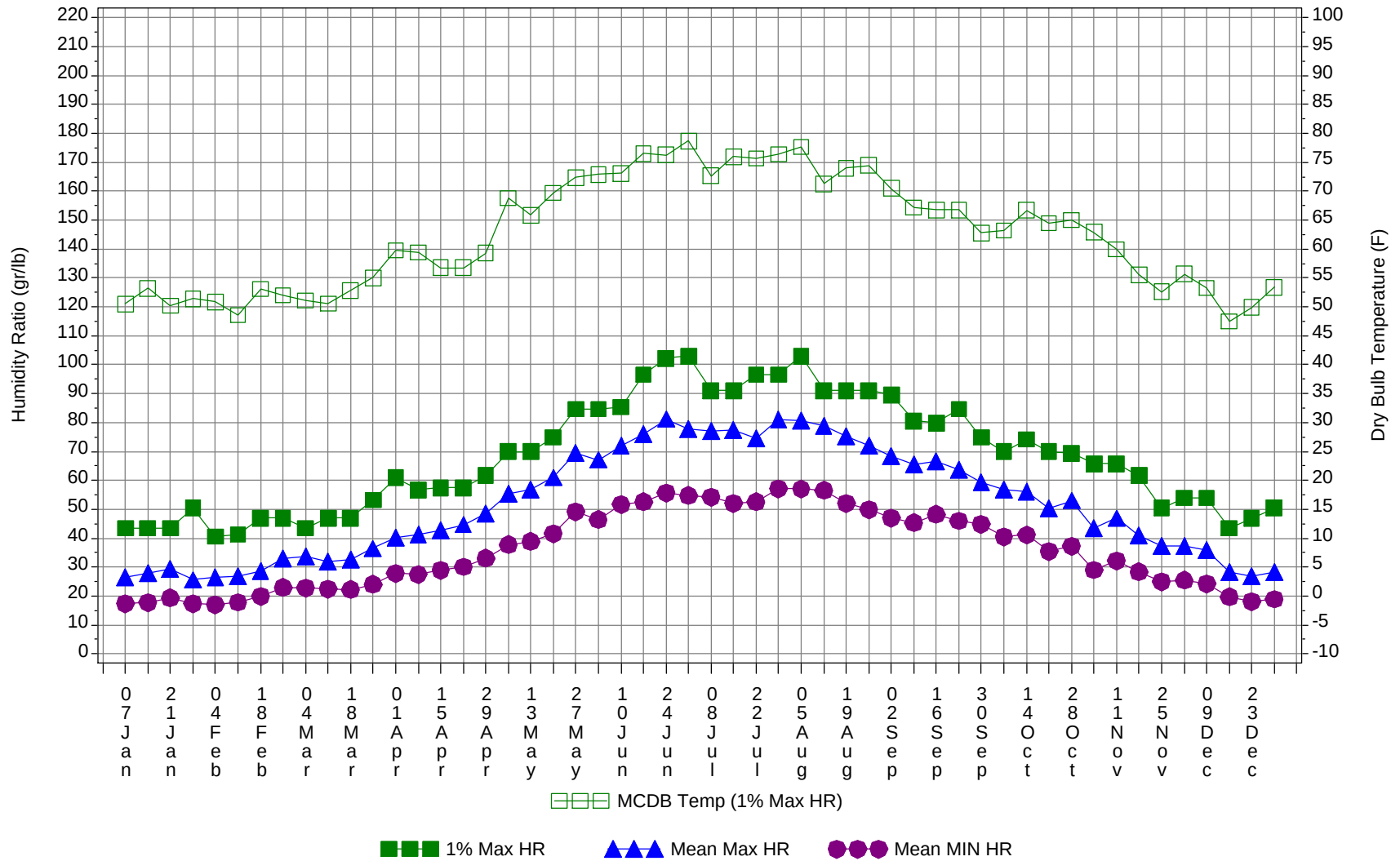
Temperature Range (° F)	Annual				
	01 To 08 LST	09 To 16 LST	17 to 00 LST	Total Obs	M C W B (° F)
100/104		2	0	2	65.6
95/ 99		19	4	23	65.3
90/ 94		80	21	101	65.3
85/ 89	0	99	32	131	64.6
80/ 84	1	197	80	278	63.4
75/ 79	17	275	142	434	61.7
70/ 74	74	288	224	586	59.6
65/ 69	128	193	202	523	57.9
60/ 64	346	279	332	957	55.6
55/ 59	396	287	334	1017	51.6
50/ 54	386	266	334	986	47.4
45/ 49	358	233	297	888	42.7
40/ 44	214	141	179	534	38.7
35/ 39	314	209	263	786	34.8
30/ 34	304	179	231	714	30.2
25/ 29	193	99	134	426	25.1
20/ 24	72	32	45	149	20.7
15/ 19	58	23	31	112	16.6
10/ 14	29	12	19	60	11.2
5/ 9	16	4	11	31	6.2
0/ 4	6	1	4	11	1
-5/ -1	5	0	0	5	-3.8
-10/ -6	3	0	0	3	-7.9
-15/-11	1		0	1	-12.7
-20/-16	0			0	-15

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Annual Summary of Temperatures



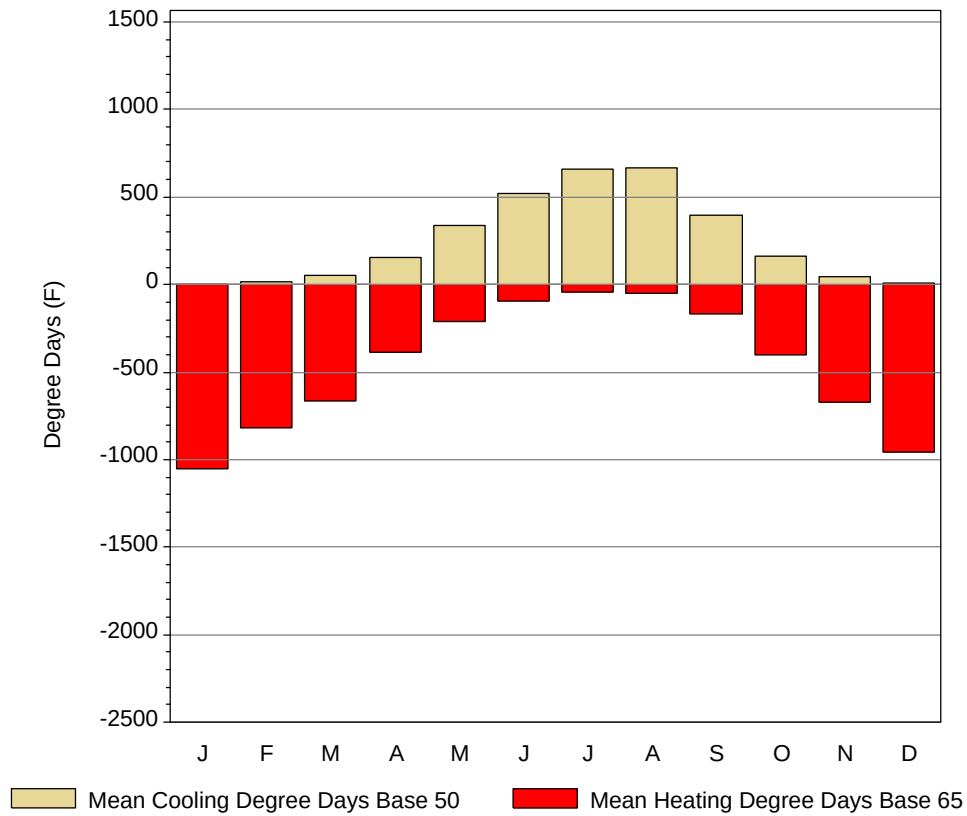
Long Term Humidity and Dry Bulb Temperature Summary



Long Term Humidity and Dry Bulb Temperature Summary

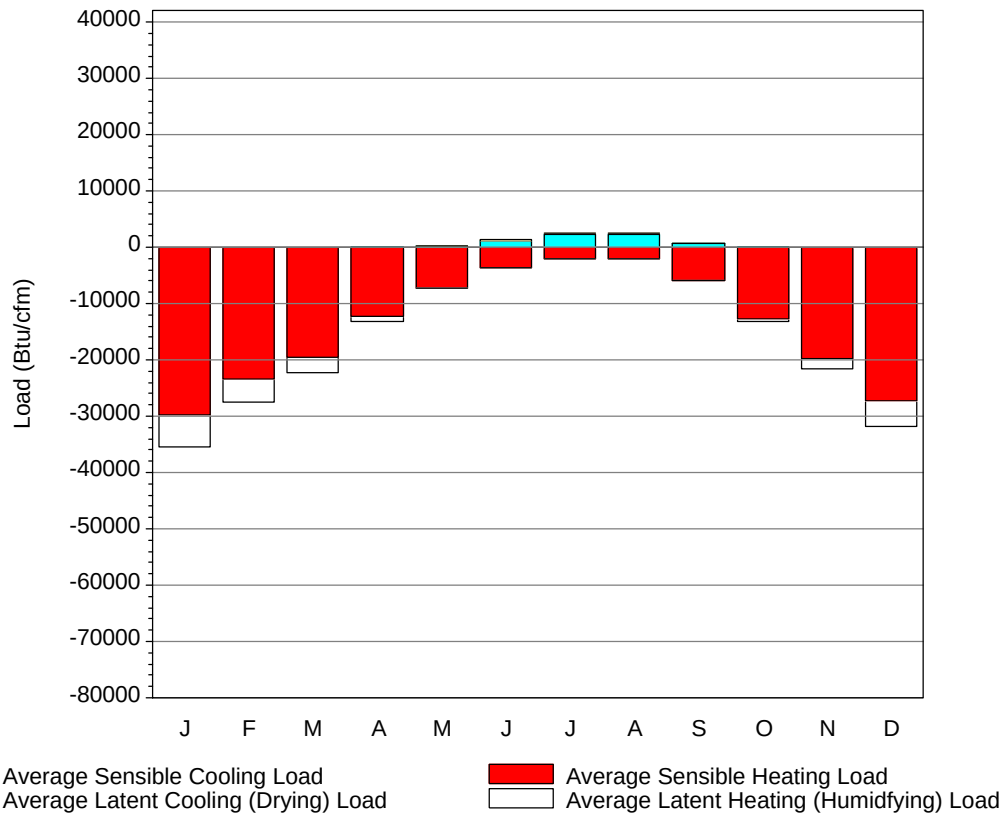
Week Ending	1.0% Temp (° F)	MCWB@ 1% Temp (° F)	Mean Max Temp (° F)	Mean Min Temp (° F)	99% Temp (° F)	1.0% HR (gr/lb)	MCDB@ 1% HR (° F)	Mean Max HR (gr/lb)	Mean Min HR (gr/lb)
7-Jan	54	47.6	36.9	23.6	3	43.4	50.5	26.4	17.3
14-Jan	55	46.9	39	23.5	-2	43.4	53.2	27.9	17.7
21-Jan	57	48.4	41.3	26	3	43.4	50.2	29.5	19.3
28-Jan	54	46.3	36.3	23.5	1	50.4	51.4	25.6	17.4
4-Feb	57	48.6	40.2	23.5	0	40.6	50.9	26.4	17
11-Feb	57	46.9	40.8	24.8	-6	41.3	48.6	26.9	17.8
18-Feb	66	51	44.3	28.6	10	46.9	53.1	28.7	19.9
25-Feb	61	49	48.1	31.9	19	46.9	52	33.1	23
4-Mar	63	49.1	49.3	32.5	16	43.4	51.1	33.7	22.8
11-Mar	59	46.6	46.5	32.1	14	46.9	50.6	31.8	22.4
18-Mar	66	49.1	52.7	32.9	26	46.9	52.8	32.6	22.3
25-Mar	72	52.5	56.6	35.7	28	53.2	55	36.4	24.1
1-Apr	70	54.1	59.6	38.8	28	60.9	59.8	40.1	27.8
8-Apr	73	55.3	60.4	39.8	30	56.7	59.4	41.3	27.4
15-Apr	73	54.4	62.8	41.4	34	57.4	56.8	42.8	28.9
22-Apr	77	55.4	62.7	41.6	32	57.4	56.8	44.7	30.1
29-Apr	77	56.2	66.6	44.5	36	61.6	59.3	48.5	33
6-May	82	60.1	68.7	47.1	39	70	68.8	55.5	37.7
13-May	81	59.2	69.4	47	39	70	65.9	56.8	38.9
20-May	81	62.4	70.3	49.1	43	74.9	69.7	61	41.6
27-May	84	63.3	73.1	52.4	48	84.7	72.4	69.6	49.2
4-Jun	84	65	73.8	51.8	43	84.7	72.9	67.1	46.4
10-Jun	86	64.8	75.4	53.6	46	85.4	73.1	72	51.7
17-Jun	90	67.6	78.6	55.6	50	96.6	76.5	76	52.6
24-Jun	91	66.8	81.6	57.8	50	102.2	76.3	81.2	55.6
1-Jul	93	66.1	80.4	57.9	52	102.9	78.7	77.7	54.8
8-Jul	91	65.4	82.1	57.2	52	91	72.7	77	54.2
15-Jul	95	64.4	83.5	58.5	52	91	76	77.5	52
22-Jul	97	63.9	85.1	58.6	52	96.6	75.7	74.5	52.6
29-Jul	97	69	84.7	59.8	54	96.6	76.4	81	57.1
5-Aug	95	65	85.8	60.4	57	102.9	77.7	80.7	57
12-Aug	95	64.9	83.4	60	54	91	71.3	78.9	56.5
19-Aug	95	66.9	85.5	58.2	52	91	74	75.3	52
26-Aug	97	64.6	85.7	58.1	50	91	74.5	71.9	49.9
2-Sep	93	62.6	82.2	56	48	89.6	70.5	68.4	47
9-Sep	91	63.7	77.8	54.2	46	80.5	67.2	65.4	45.4
16-Sep	90	63.4	77.5	52.6	45	79.8	66.8	66.6	48.2
23-Sep	88	63.5	71.3	51.2	41	84.7	66.8	63.6	46
30-Sep	84	60.6	69.3	48.9	39	74.9	62.8	59.3	44.8
7-Oct	81	60.4	68.8	46.3	36	70	63.2	56.8	40.4
14-Oct	75	62.1	63.5	45.6	36	74.2	66.7	56	41.1
21-Oct	73	57.7	62.7	41.4	28	70	64.5	50.2	35.4
28-Oct	73	58.7	61.8	42.2	34	69.3	65	53	37.3
4-Nov	72	58	57.4	36.4	27	65.8	62.9	43.4	29
11-Nov	68	56.3	57.5	38.3	27	65.8	60	46.9	32.1
18-Nov	64	53.6	52.8	35.6	23	61.6	55.6	40.9	28.3
25-Nov	59	50	48.4	32	10	50.4	52.6	37.2	24.9
2-Dec	59	51.9	46.7	32.9	18	53.9	55.7	37.3	25.5
9-Dec	59	52.4	45.7	32	21	53.9	53.3	36	24.2
16-Dec	54	46.7	39.1	27.4	7	43.4	47.5	28.3	19.7
23-Dec	52	47	36.8	25.2	9	46.9	49.9	26.7	18.1
31-Dec	57	51	38.8	26.6	14	50.4	53.4	28.3	18.9

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	3.9	0	1053.4
FEB	14.1	0.4	820.4
MAR	56.2	2.3	660.4
APR	158.6	16.5	387.5
MAY	335.2	67.8	213.2
JUN	517.6	158	91.7
JUL	663.1	249.3	45.8
AUG	670.2	252	47.2
SEP	393.8	97.8	163.5
OCT	165.4	19.2	402.7
NOV	42.9	1.5	668.7
DEC	6.4	0	956.3
ANN	3027.4	864.8	5510.8

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	-29714	0	-5682
FEB	0	-23452	0	-4127
MAR	0	-19487	0	-2857
APR	34	-12163	0	-1004
MAY	267	-7296	11	-51
JUN	1197	-3584	242	-2
JUL	2338	-2046	241	-2
AUG	2402	-2117	203	-19
SEP	636	-5802	9	-48
OCT	33	-12607	0	-496
NOV	0	-19641	0	-1849
DEC	0	-27197	0	-4536
ANN	6907	-165106	706	-20673

Station Information		Shading Geometry in Dimensionless Units	
City, State, WBAN	N/A	N/A	N/A
Lat, Lon, Elev	N/A	N/A	N/A
Press Stn Type	N/A	N/A	N/A

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													
	Std.Dev.													
	Minimum													
	Maximum													
	Diffuse													
Clear Day	Global													
NORTH	Global													
	Diffuse													
Clear Day	Global													
EAST	Global													
	Diffuse													
Clear Day	Global													
SOUTH	Global													
	Diffuse													
Clear Day	Global													
WEST	Global													
	Diffuse													
Clear Day	Global													

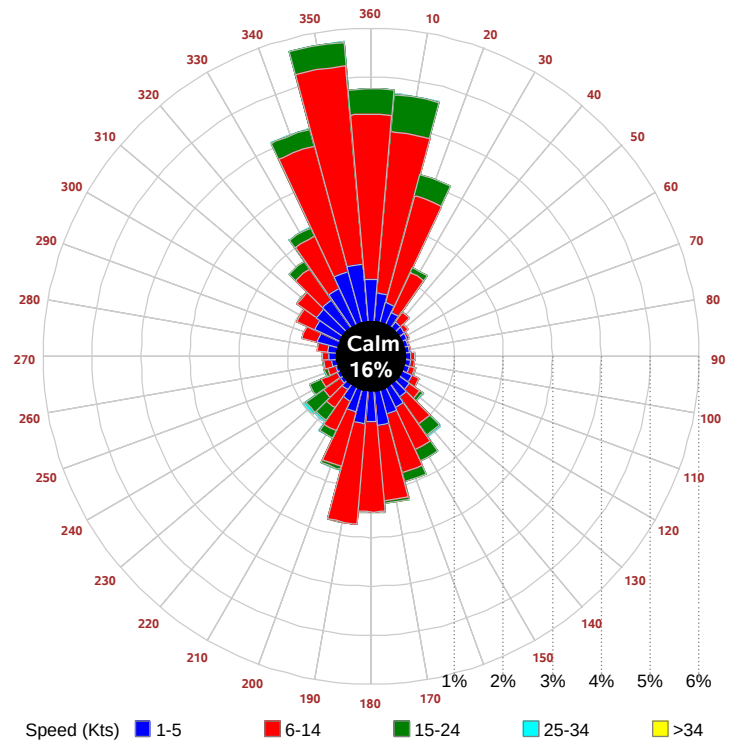
Average Annual Solar Radiation - Nearest Available Site Source: National Renewable Energy Laboratory, Golden CO, 1995

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													
NORTH	Unshaded													
	Shaded													
EAST	Unshaded													
	Shaded													
SOUTH	Unshaded													
	Shaded													
WEST	Unshaded													
	Shaded													

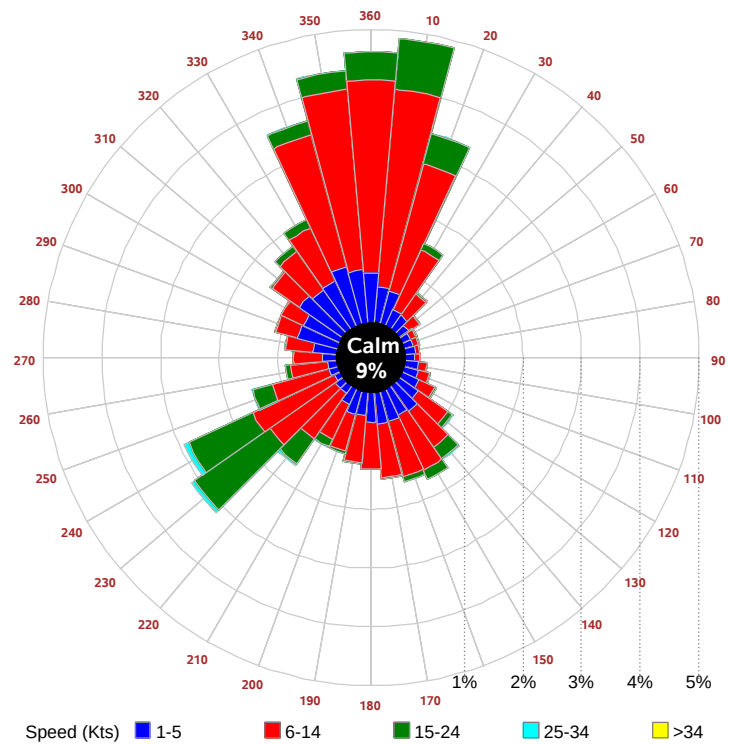
AVERAGE INCIDENT ILLUMINANCE (klux-hr) FOR MOSTLY CLEAR AND MOSTLY CLOUDY CONDITIONS, Percentage Uncertainty = 9												
				March						June		
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm	
HORIZ.	M.Clear											
	M.Cloudy											
NORTH	M.Clear											
	M.Cloudy											
EAST	M.Clear											
	M.Cloudy											
SOUTH	M.Clear											
	M.Cloudy											
WEST	M.Clear											
	M.Cloudy											
M.Clear	(% hrs)											

				Sept						Dec		
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm	
HORIZ.	M.Clear											
	M.Cloudy											
NORTH	M.Clear											
	M.Cloudy											
EAST	M.Clear											
	M.Cloudy											
SOUTH	M.Clear											
	M.Cloudy											
WEST	M.Clear											
	M.Cloudy											
M.Clear	(% hrs)											

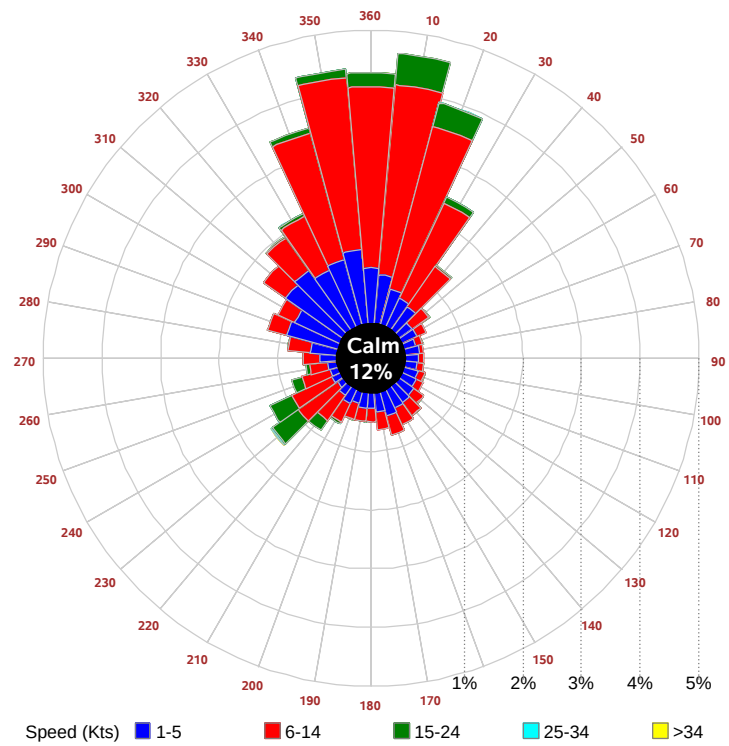
Wind Summary - December, January, and February



Wind Summary - March, April, and May



Wind Summary - June, July, and August



Wind Summary - September, October, and November

