

MANCHESTER, NH	
Latitude = 42.93 N	Station ID = ICAO_KMHT
Longitude = 71.44 W	Elevation = 266 Feet
Period of Record = 1988 To 2017	Average Pressure = 29.72 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	96	75	95	9.3	W
0.4% Occurrence	91	71	86	9.2	WSW
1.0% Occurrence	88	70	84	8.7	WSW
2.0% Occurrence	86	69	83	8.4	WSW
Mean Daily Range	18	-	-	-	NNW
97.5% Occurrence	12	10	6	7.1	NNW
99.0% Occurrence	7	5	5	7.2	NNW
99.6% Occurrence	1	0	3	7.2	NNW
Median of Extreme Lows	-6	-7	3	5	NNW

	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	78	90	122	8.7	W
0.4% Occurrence	75	85	113	7.6	S
1.0% Occurrence	74	83	110	7.3	S
2.0% Occurrence	72	81	104	6.9	S

	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	134	84	0.88	7.2	SSW
0.4% Occurrence	119	79	0.78	6.8	S
1.0% Occurrence	115	79	0.76	4.9	S
2.0% Occurrence	111	77	0.74	5.8	S

Air Conditioning/ Humid Area Criteria	Threshold	T ≥ 93 °F	T ≥ 80 °F	Twb ≥ 73 °F	Twb ≥ 67 °F
	# of Hours	23	520	153	813

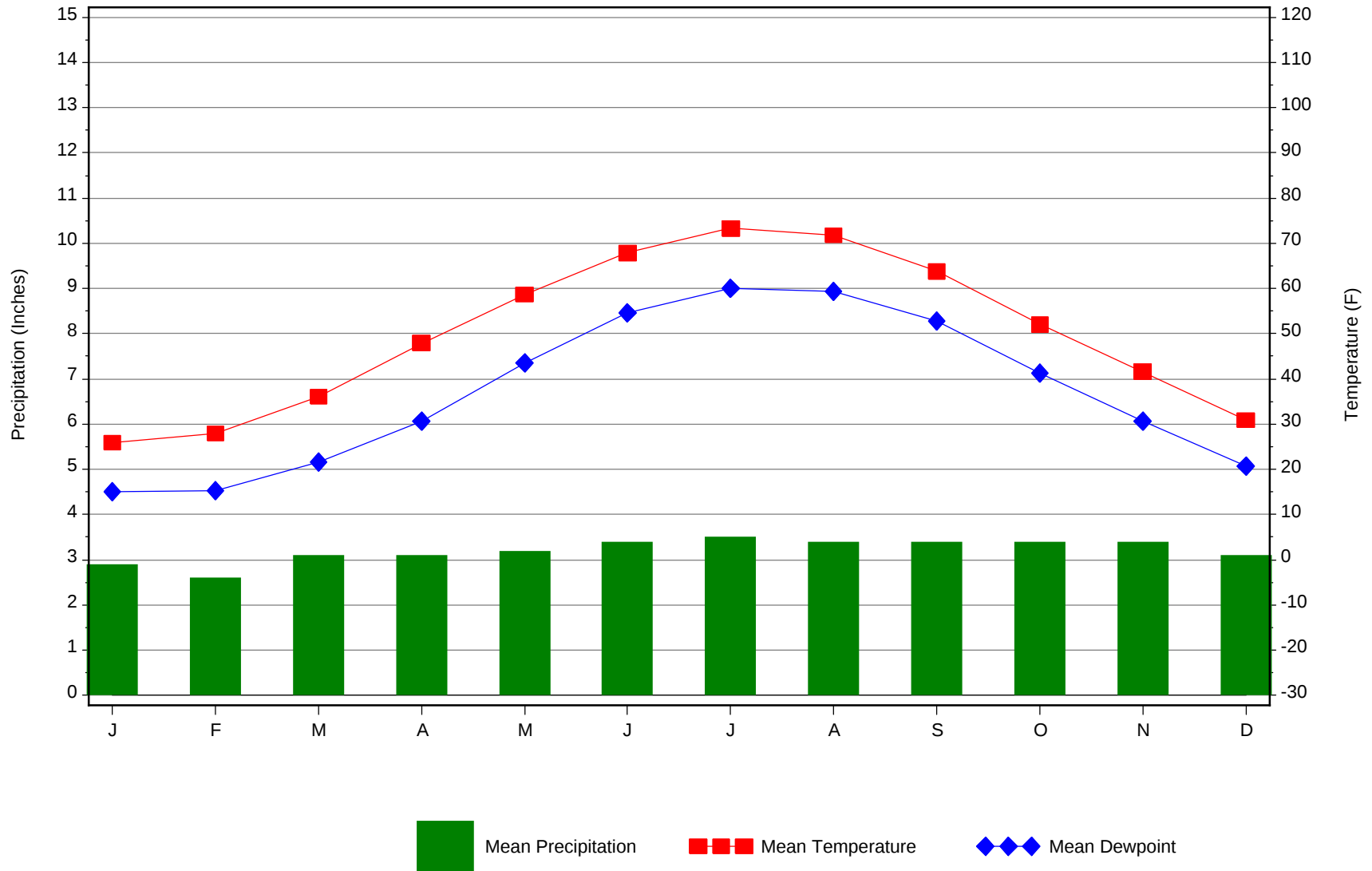
Other Site Data

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	2.5	90	1.0 + 0.5
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 (#)
52.4	N/A	N/A	70

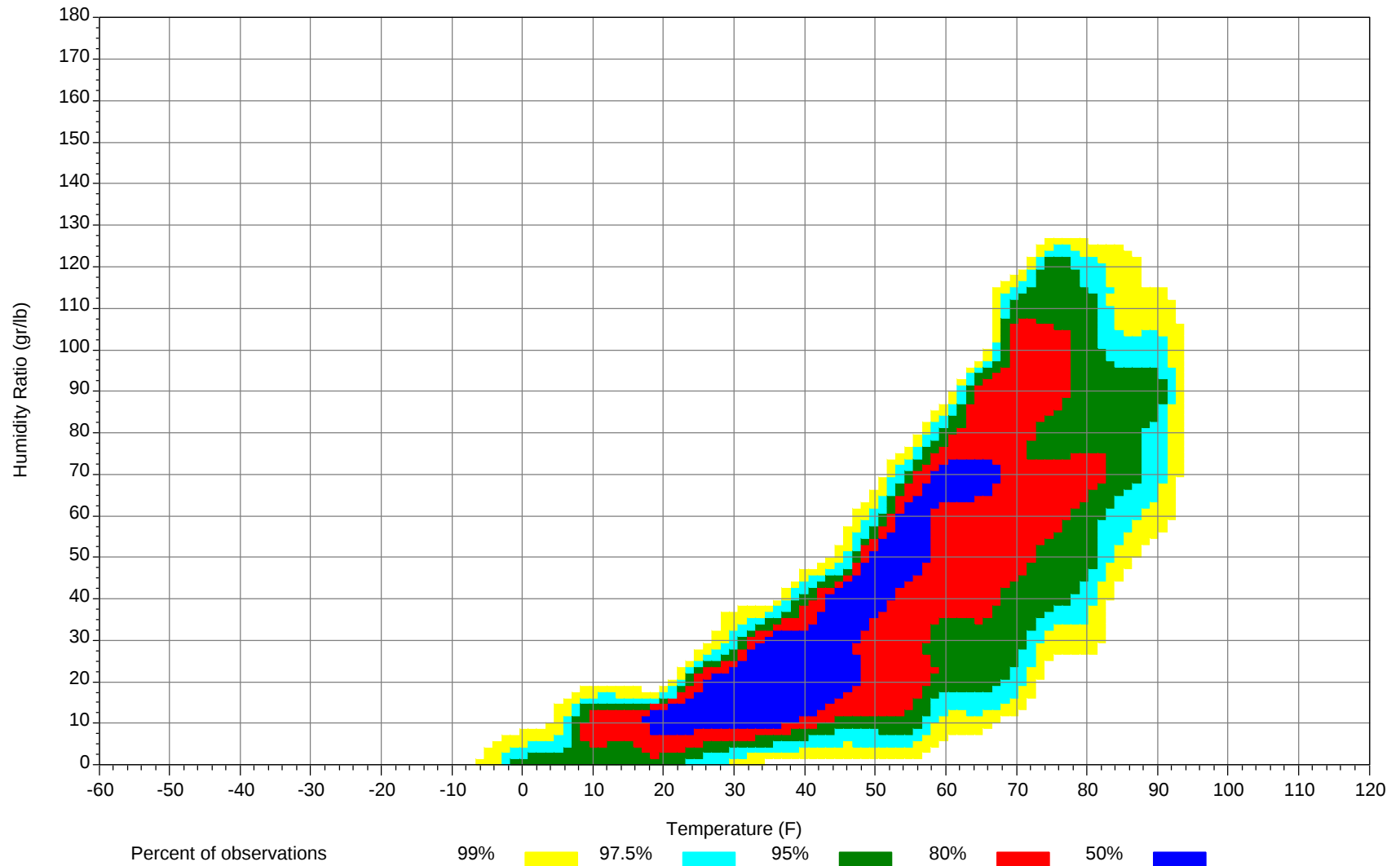
*Note: Temperatures at greater depths can be estimated by adding 1.5°F per 100 feet additional depth.



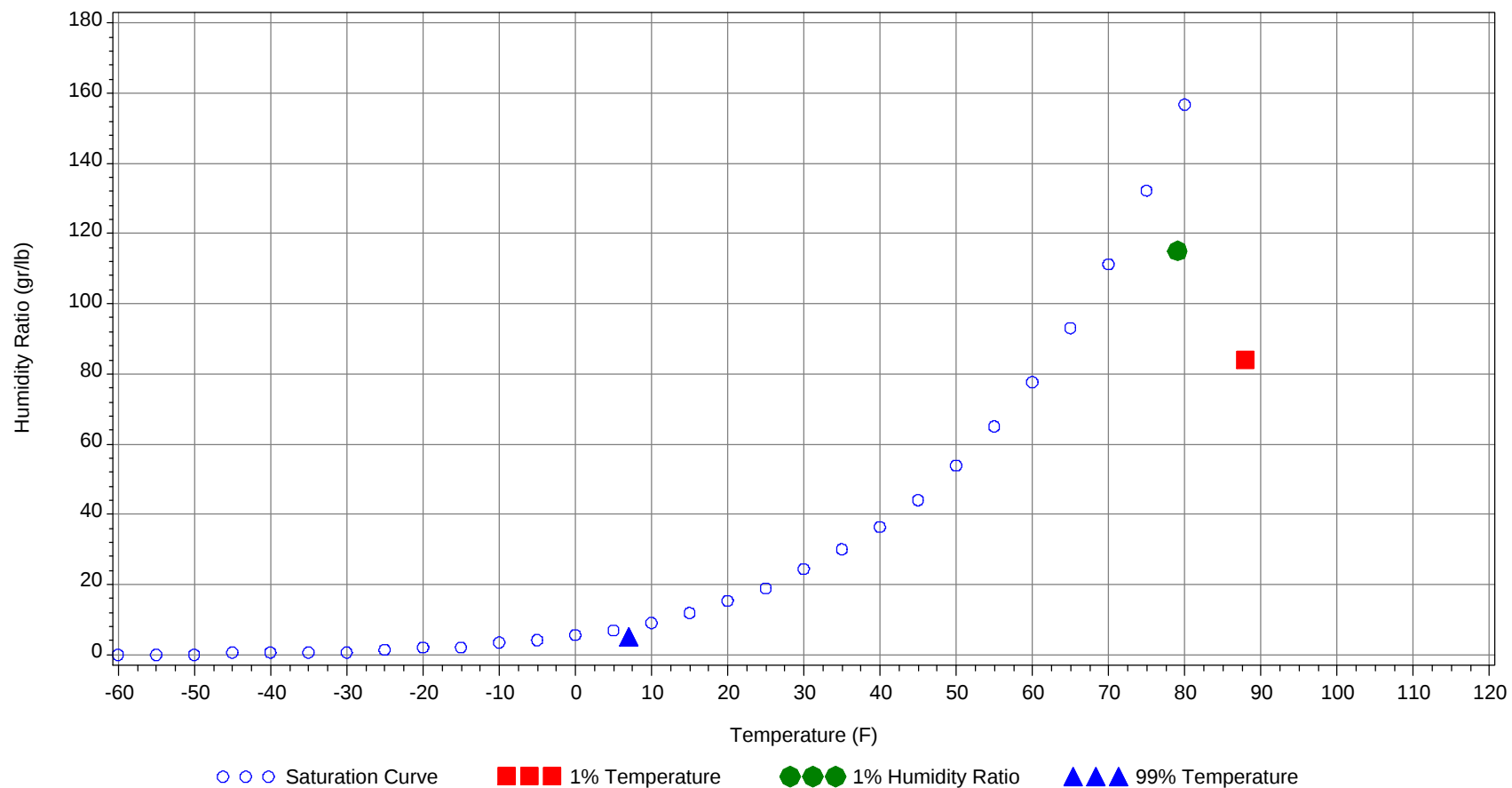
Average Annual Climate



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	88.0		70		84.0	34.3
99.0% Dry Bulb	7.0				5.0	2.3
1.0% Humidity Ratio	115.0	79.0	73.4	71.0		37.0

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	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												0		0	64
85/ 89												0	0	0	63.2
80/ 84												1	0	1	60.7
75/ 79												1	0	1	59.8
70/ 74		0		0	61		0	0	0	57.5	0	3	1	4	56.5
65/ 69		0	0	0	59.6		0	0	0	54.5	1	3	1	5	54.5
60/ 64	0	1	1	2	57.5	0	1	0	1	52.3	1	7	4	12	50.7
55/ 59	1	3	1	5	52.1	1	3	2	6	48.8	1	11	6	18	46.2
50/ 54	1	5	3	9	46.7	1	7	4	12	43.8	4	21	13	38	43.3
45/ 49	3	11	6	20	41.2	3	14	8	25	39.8	12	37	27	76	39.5
40/ 44	5	18	11	34	37	5	18	14	37	36.4	17	35	32	84	36.5
35/ 39	21	39	33	93	33.2	21	44	36	101	32.5	48	57	62	167	32.8
30/ 34	43	49	51	143	29.1	40	43	48	131	28.5	62	36	50	148	28.6
25/ 29	44	46	50	140	23.9	37	39	44	120	23.2	47	22	29	98	23.5
20/ 24	27	26	26	79	19.2	32	22	25	79	19.1	22	8	12	42	18.9
15/ 19	36	25	30	91	15.1	35	20	23	78	15	18	5	7	30	14.8
10/ 14	25	14	18	57	10.1	22	9	13	44	10	9	1	2	12	10.1
5/ 9	18	8	10	36	5.6	15	3	5	23	5.6	5	1	1	7	5.5
0/ 4	15	3	6	24	0.4	7	1	2	10	1.2	2	0	0	2	1
-5/ -1	4	1	2	7	-3.6	3	0	0	3	-3.3	0			0	-2.5
-10/ -6	3	1	0	4	-7.9	1	0	0	1	-7.2	0			0	-5
-15/-11	1		0	1	-11.6	0			0	-11.8					

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												0	0	0	76.9
95/ 99							0	0	0	70.1		1	0	1	74.6
90/ 94		1	0	1	64.3		3	1	4	67.5		12	3	15	71.6
85/ 89		1	0	1	63.1		7	2	9	66.1	0	18	7	25	69.2
80/ 84		3	1	4	60.5	0	15	6	21	63.2	2	41	19	62	66.6
75/ 79	0	6	3	9	58	1	23	11	35	60.5	9	47	33	89	64.5
70/ 74	1	12	6	19	54.7	5	35	22	62	58	29	46	52	127	62.9
65/ 69	2	13	8	23	53.1	9	33	25	67	55.8	38	27	37	102	60.5
60/ 64	6	28	18	52	49.6	27	49	44	120	53.6	64	27	47	138	57.7
55/ 59	10	38	24	72	46.1	42	39	46	127	50.6	54	14	27	95	53.6
50/ 54	17	44	39	100	43.1	66	30	52	148	47.6	34	5	14	53	49.8
45/ 49	50	47	53	150	40.7	65	14	32	111	43.7	10	1	2	13	45.6
40/ 44	44	25	40	109	37.5	22	1	6	29	39.5	1			1	40.7
35/ 39	62	16	35	113	33.8	9	0	1	10	36	0			0	36.5
30/ 34	36	4	11	51	29.2	2	0	0	2	31.9					
25/ 29	9	1	2	12	24.3	0	0		0	27.7					
20/ 24	2	0	0	2	19.7										
15/ 19	0			0	15.9										
10/ 14															
5/ 9															
0/ 4															
-5/ -1															
-10/ -6															
-15/-11															

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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		0	0	0	75.5										
95/ 99		3	1	4	75.5		1	0	1	74.3		0		0	73.3
90/ 94	0	21	5	26	72.6		14	3	17	72.1		3	1	4	71.4
85/ 89	0	34	14	48	70.7	0	24	8	32	70.3		8	2	10	70.6
80/ 84	4	66	35	105	68.2	1	66	28	95	68.3	0	21	6	27	67.9
75/ 79	21	59	56	136	66.8	13	64	49	126	66.5	2	38	18	58	65.5
70/ 74	65	41	65	171	65.5	58	49	71	178	65.2	21	56	40	117	63.6
65/ 69	61	15	37	113	62.7	60	18	42	120	62.4	25	41	36	102	60.2
60/ 64	68	8	29	105	59.4	71	10	37	118	59	54	46	60	160	57.3
55/ 59	24	1	5	30	54.8	35	1	8	44	54.4	57	21	43	121	53.2
50/ 54	4		0	4	50.6	9		1	10	50.4	40	5	24	69	48.9
45/ 49	0			0	47.8	1		0	1	45.7	28	1	9	38	44.4
40/ 44						0			0	41.5	9		2	11	40.1
35/ 39											4		0	4	36.4
30/ 34											0		0	0	32.1
25/ 29															
20/ 24															
15/ 19															
10/ 14															
5/ 9															
0/ 4															
-5/ -1															
-10/ -6															
-15/-11															

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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		0		0	66.4										
80/ 84		3	0	3	64.9		0		0	63					
75/ 79	0	10	1	11	63		1	0	1	61.3					
70/ 74	1	19	8	28	61.2	0	3	1	4	60.5		0		0	58
65/ 69	4	22	10	36	58.4	1	5	3	9	59	0	1	0	1	56.8
60/ 64	12	44	30	86	55.2	5	15	8	28	55.2	0	2	1	3	54.9
55/ 59	28	54	45	127	51.4	9	20	12	41	50.6	2	3	2	7	50.8
50/ 54	46	49	55	150	47.3	13	34	23	70	46.4	4	11	6	21	46.7
45/ 49	54	33	51	138	42.5	30	54	43	127	41.8	7	23	14	44	41.5
40/ 44	37	11	25	73	38.8	31	40	41	112	37.6	12	25	19	56	37.6
35/ 39	42	4	18	64	34.9	51	41	53	145	33.4	40	54	49	143	33.5
30/ 34	19	1	5	25	30.7	51	19	37	107	29	49	49	54	152	28.9
25/ 29	5		0	5	26.2	34	7	16	57	24.5	47	39	48	134	23.8
20/ 24						10	2	4	16	19.7	29	19	23	71	19.4
15/ 19						5	0	1	6	16.1	29	13	21	63	15.4
10/ 14						1	0	0	1	12.1	16	6	8	30	10.6
5/ 9						0			0	8	8	2	3	13	6
0/ 4						0			0	2.3	4	1	1	6	1.2
-5/ -1											1	0	0	1	-2.8
-10/ -6											0			0	-5.8
-15/-11															

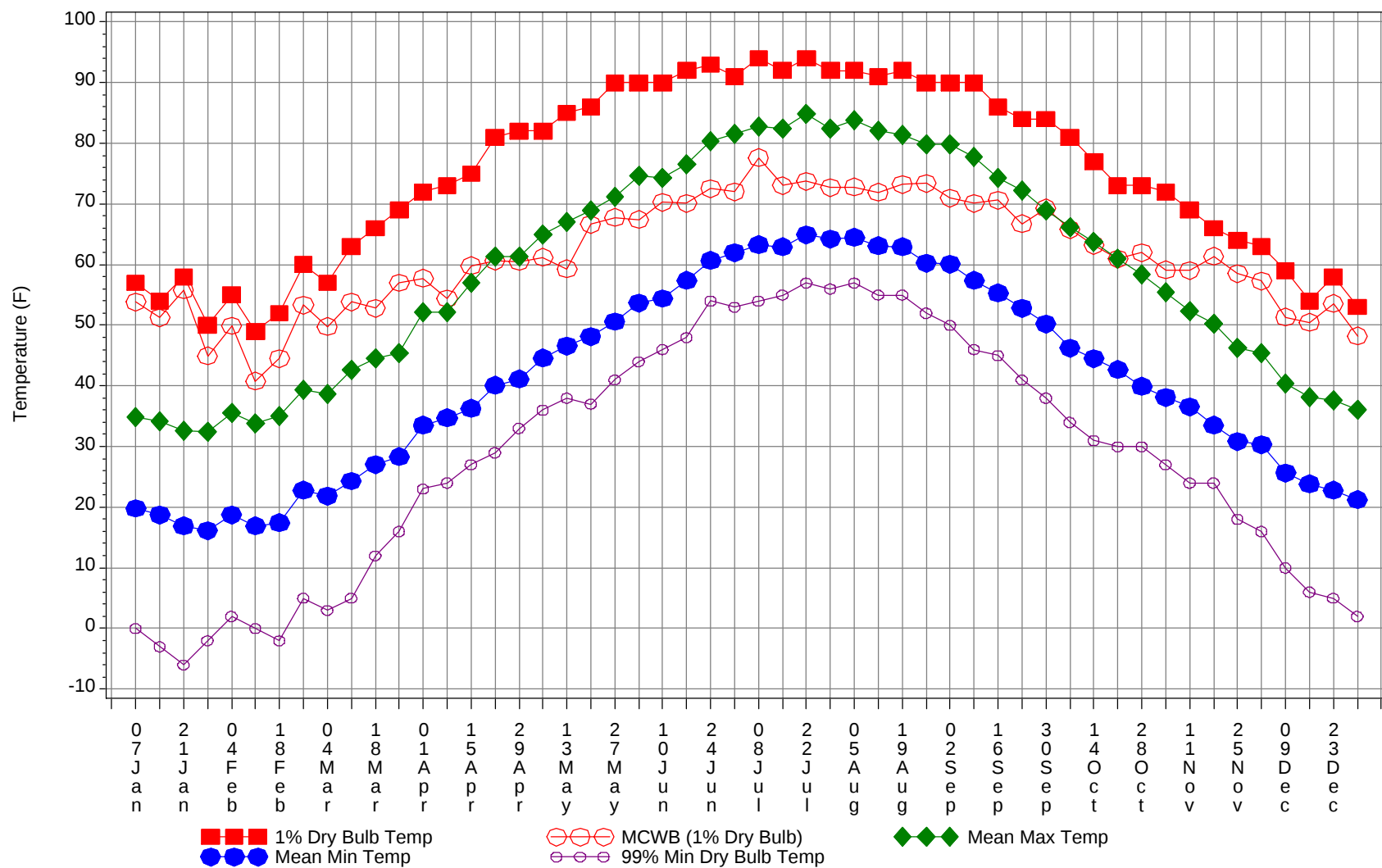
Caution: This summary reflects the typical distribution of temperature in a typical year. It does not reflect the typical moisture distribution. Because wet bulb temperatures are averaged, this summary understates the annual moisture load. For accurate moisture load data, see the long-term humidity summary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

Dry-Bulb Temperature Hours For An Average Year

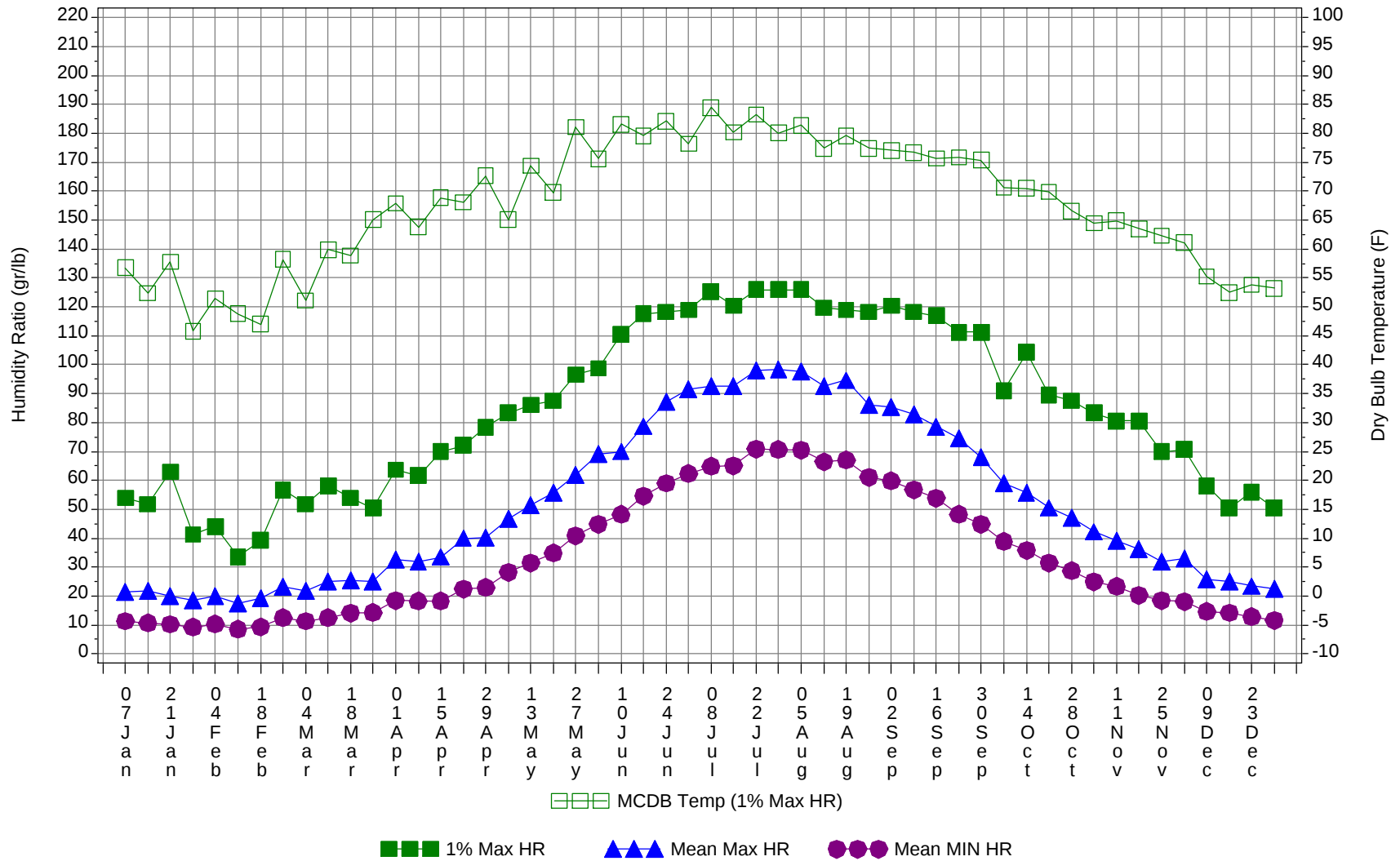
	Annual				
Temperature Range (° F)	01 To 08 LST	09 To 16 LST	17 to 00 LST	Total Obs	M C W B (° F)
100/104		1	0	1	76.1
95/ 99		6	1	7	74.8
90/ 94	0	54	14	68	71.8
85/ 89	0	92	33	125	69.9
80/ 84	7	216	96	319	67.4
75/ 79	46	248	171	465	65.4
70/ 74	179	263	264	706	63.5
65/ 69	200	178	198	576	60.2
60/ 64	309	237	277	823	56.5
55/ 59	264	208	221	693	51.4
50/ 54	239	210	232	681	46.8
45/ 49	262	233	244	739	41.8
40/ 44	184	172	190	546	37.6
35/ 39	298	256	288	842	33.4
30/ 34	303	200	257	760	28.9
25/ 29	223	155	190	568	23.8
20/ 24	122	77	90	289	19.2
15/ 19	124	63	82	269	15.1
10/ 14	73	30	41	144	10.2
5/ 9	46	14	18	78	5.7
0/ 4	27	5	9	41	0.7
-5/ -1	7	1	2	10	-3.4
-10/ -6	5	1	0	6	-7.6
-15/-11	1		0	1	-11.7

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Annual Summary of Temperatures



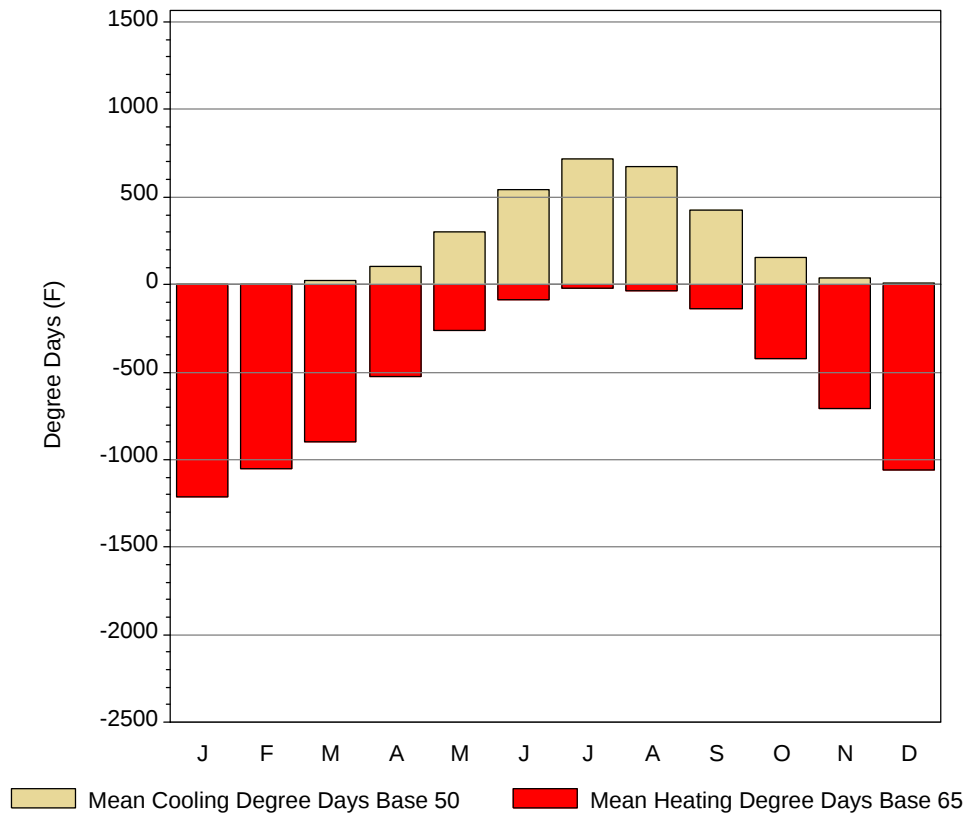
Long Term Humidity and Dry Bulb Temperature Summary



Long Term Humidity and Dry Bulb Temperature Summary

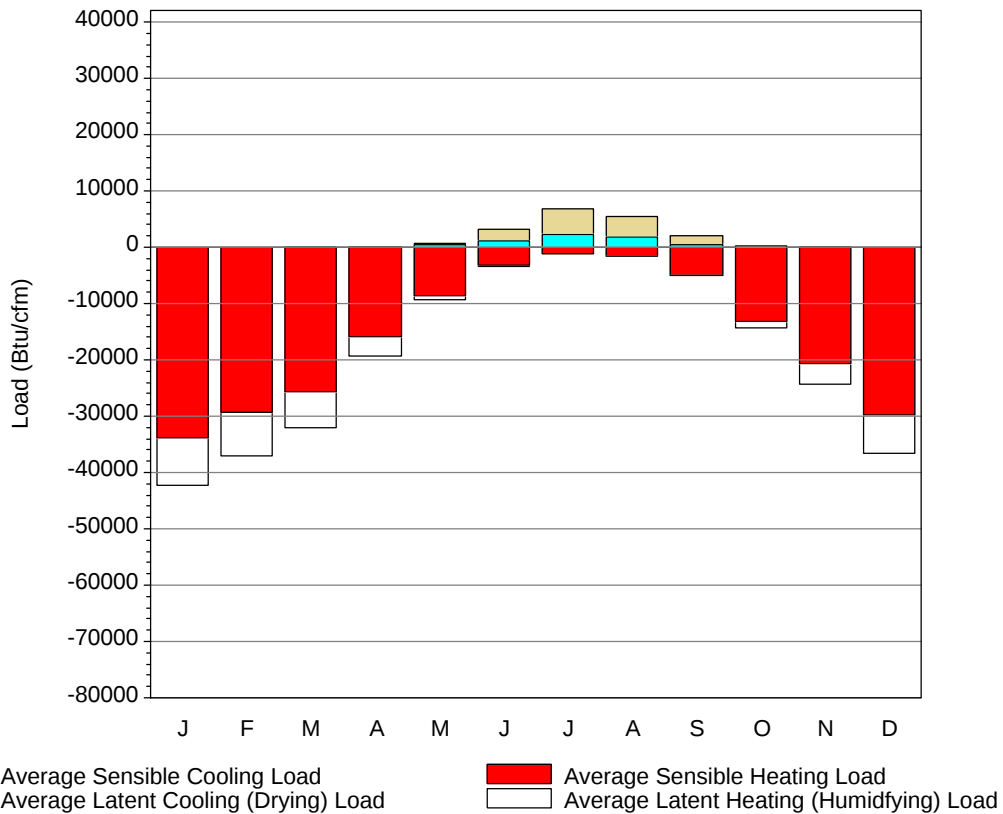
Week Ending	1.0% Temp (°F)	MCWB@ 1% Temp (°F)	Mean Max Temp (°F)	Mean Min Temp (°F)	99% Temp (°F)	1.0% HR (gr/lb)	MCDB@ 1% HR (°F)	Mean Max HR (gr/lb)	Mean Min HR (gr/lb)
7-Jan	57	53.8	34.8	19.8	0	53.9	56.8	21.3	11.3
14-Jan	54	51.2	34.2	18.7	-3	51.8	52.4	21.7	10.7
21-Jan	58	55.8	32.6	16.9	-6	63	57.8	20.1	10.2
28-Jan	50	44.9	32.5	16.1	-2	41.3	45.8	18.6	9.2
4-Feb	55	49.9	35.6	18.7	2	44.1	51.4	19.9	10.3
11-Feb	49	40.8	33.8	16.9	0	33.6	48.8	17.4	8.5
18-Feb	52	44.5	35.1	17.4	-2	39.2	47	19.3	9.3
25-Feb	60	53.3	39.3	22.8	5	56.7	58.2	23.2	12.5
4-Mar	57	49.8	38.7	21.8	3	51.8	51.1	21.8	11.3
11-Mar	63	53.8	42.7	24.3	5	58.1	59.9	25.1	12.4
18-Mar	66	52.8	44.6	27	12	53.9	58.9	25.5	14.1
25-Mar	69	57	45.4	28.3	16	50.4	65.1	25.1	14.3
1-Apr	72	57.7	52.1	33.5	23	63.7	67.9	32.6	18.4
8-Apr	73	54.4	52.1	34.7	24	61.6	63.8	32	18.3
15-Apr	75	59.8	57	36.3	27	70	68.9	33.5	18.2
22-Apr	81	60.6	61.3	40.1	29	72.1	68.1	40	22.4
29-Apr	82	60.5	61.3	41.1	33	78.4	72.7	40.1	23
6-May	82	61.2	65	44.6	36	83.3	65.1	46.8	28.2
13-May	85	59.3	67.1	46.6	38	86.1	74.4	51.4	31.5
20-May	86	66.6	69	48.1	37	87.5	69.8	55.7	34.9
27-May	90	67.8	71.2	50.6	41	96.6	81.1	61.9	40.8
4-Jun	90	67.4	74.7	53.7	44	98.7	75.6	69	44.8
10-Jun	90	70.3	74.3	54.4	46	110.6	81.6	70	48.2
17-Jun	92	70.1	76.6	57.4	48	117.6	79.6	78.7	54.6
24-Jun	93	72.5	80.4	60.7	54	118.3	82.1	87.2	59
1-Jul	91	72	81.6	62	53	119	78.2	91.4	62.4
8-Jul	94	77.6	82.7	63.3	54	125.3	84.5	92.5	64.8
15-Jul	92	73	82.4	62.9	55	120.4	80.2	92.6	65
22-Jul	94	73.7	84.8	64.9	57	126	83.3	98.1	70.9
29-Jul	92	72.7	82.5	64.2	56	126	80.1	98.5	70.6
5-Aug	92	72.8	83.8	64.5	57	126	81.4	97.6	70.5
12-Aug	91	71.9	82	63.1	55	119.7	77.4	92.7	66.4
19-Aug	92	73.2	81.4	62.9	55	119	79.6	94.6	67
26-Aug	90	73.4	79.9	60.2	52	118.3	77.4	86.1	61.1
2-Sep	90	71	79.8	60.1	50	120.4	77.1	85.5	59.8
9-Sep	90	70.1	77.7	57.4	46	118.3	76.7	82.8	56.8
16-Sep	86	70.6	74.3	55.3	45	116.9	75.7	78.6	53.8
23-Sep	84	66.7	72.2	52.8	41	111.3	75.9	74.4	48.3
30-Sep	84	69.3	68.9	50.2	38	111.3	75.4	68	44.8
7-Oct	81	65.8	66.1	46.2	34	91	70.6	59.1	38.8
14-Oct	77	63.2	63.7	44.5	31	104.3	70.5	55.8	35.8
21-Oct	73	60.9	60.9	42.7	30	89.6	69.9	50.5	31.5
28-Oct	73	62	58.4	39.9	30	87.5	66.6	47.1	28.8
4-Nov	72	59.1	55.4	38.1	27	83.3	64.5	42.2	24.9
11-Nov	69	59	52.4	36.5	24	80.5	64.9	39	23.3
18-Nov	66	61.4	50.3	33.5	24	80.5	63.5	36.2	20.3
25-Nov	64	58.5	46.3	30.8	18	70	62.3	32	18.5
2-Dec	63	57.3	45.4	30.3	16	70.7	61.1	32.9	18
9-Dec	59	51.3	40.4	25.6	10	58.1	55.3	25.8	14.6
16-Dec	54	50.5	38.2	23.8	6	50.4	52.5	25	14.2
23-Dec	58	53.6	37.6	22.8	5	56	53.8	23.4	12.9
31-Dec	53	48.2	36	21.2	2	50.4	53.2	22.5	11.5

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	3.1	0	1211.8
FEB	3.8	0.1	1048.1
MAR	23.3	2.7	899.7
APR	105.8	15.9	528.6
MAY	298.6	65.6	261.4
JUN	539.3	171.5	83.7
JUL	720.5	277.4	21.9
AUG	674.6	241.1	31.6
SEP	423.8	100.7	137.7
OCT	158.8	18	421.8
NOV	40.5	1.9	704.8
DEC	5.7	0.1	1057.2
ANN	2997.8	895	6408.3

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	-33821	0	-8386
FEB	0	-29362	0	-7696
MAR	11	-25702	0	-6348
APR	80	-15883	9	-3449
MAY	408	-8645	189	-751
JUN	1251	-3268	1961	-21
JUL	2251	-1164	4547	-1
AUG	1733	-1527	3843	-1
SEP	500	-5004	1671	-75
OCT	42	-13139	168	-1124
NOV	1	-20573	20	-3652
DEC	0	-29812	0	-6859
ANN	6277	-187900	12408	-38363

Station Information		Shading Geometry in Dimensionless Units	
City, State, WBAN	CONCORD, NH 14745	Window:	1.000
Lat, Lon, Elev	43.20N 71.50W 345ft	Overhang:	0.626
Press, Stn_Type	14.5psia Secondary	Vert Gap:	0.330

AVERAGE INCIDENT SOLAR RADIATION (Btu/sq.ft./day) Percentage Uncertainty = 11														
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
HORIZ.	Global	600	890	1230	1490	1780	1920	1920	1680	1320	920	570	480	1240
	Std.Dev.	47	75	98	119	154	143	106	77	91	62	40	36	39
	Minimum	510	720	1000	1260	1480	1610	1740	1550	1170	810	450	400	1170
	Maximum	690	1080	1430	1680	2080	2170	2100	1870	1490	1140	630	550	1290
	Diffuse	310	450	600	690	800	850	820	720	570	420	310	260	570
Clear Day	Global	770	1140	1650	2160	2520	2650	2560	2240	1760	1230	820	660	1680
NORTH	Global	190	270	360	430	550	620	580	470	360	270	190	160	370
	Diffuse	190	270	360	420	500	530	510	450	360	270	190	160	350
Clear Day	Global	170	240	320	410	580	690	630	470	340	250	170	150	370
EAST	Global	430	600	780	910	1030	1090	1080	980	790	590	380	340	750
	Diffuse	240	340	450	510	590	630	620	550	440	330	230	200	430
Clear Day	Global	610	850	1130	1350	1490	1530	1490	1380	1160	880	630	540	1090
SOUTH	Global	1060	1210	1170	1000	890	840	890	1000	1110	1110	880	880	1000
	Diffuse	370	470	530	540	570	580	590	560	510	420	330	310	480
Clear Day	Global	1800	1960	1880	1520	1200	1040	1090	1350	1690	1860	1780	1700	1570
WEST	Global	420	600	770	890	1000	1090	1080	1000	820	610	380	330	750
	Diffuse	240	340	450	520	600	640	630	560	460	330	230	200	430
Clear Day	Global	610	850	1130	1350	1490	1530	1490	1380	1160	880	630	540	1090

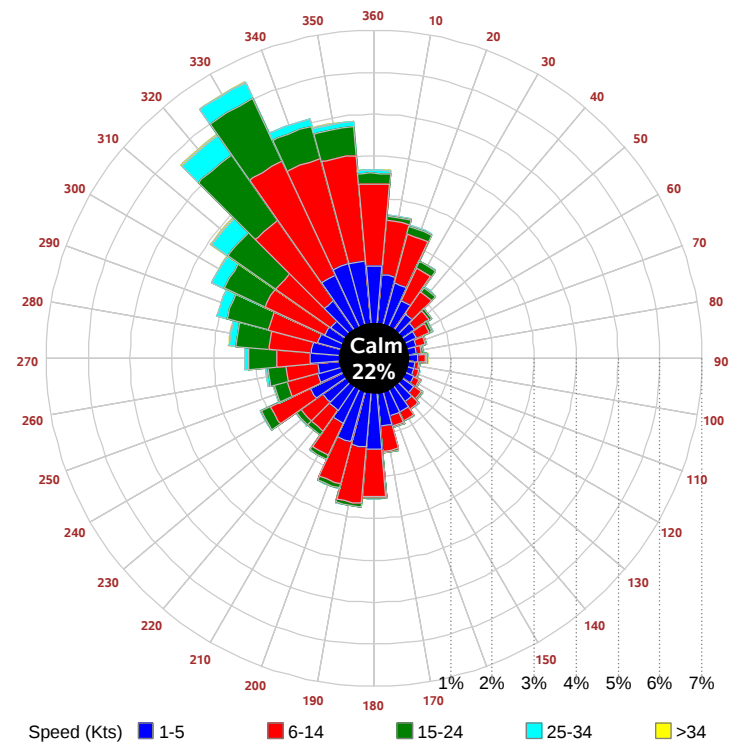
Average Annual Solar Radiation - Nearest Available Site Source: National Renewable Energy Laboratory, Golden CO, 1995

AVERAGE TRANSMITTED SOLAR RADIATION (Btu/sq.ft./day) FOR DOUBLE GLAZING Percentage Uncertainty = 11														
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
HORIZ.	Unshaded	380	600	860	1070	1280	1390	1390	1210	940	630	370	300	870
NORTH	Unshaded	130	190	250	290	360	410	380	320	250	190	130	110	250
	Shaded	110	160	210	250	310	350	330	280	220	160	110	93	220
EAST	Unshaded	290	420	550	650	730	770	770	700	560	420	270	230	530
	Shaded	260	360	470	540	600	630	630	580	460	360	230	200	440
SOUTH	Unshaded	800	890	820	660	570	520	550	650	760	810	660	670	700
	Shaded	780	820	630	400	340	350	350	370	520	700	630	650	540
WEST	Unshaded	290	420	550	630	710	770	770	710	590	430	270	230	530
	Shaded	250	360	460	520	580	630	630	590	500	370	230	200	440

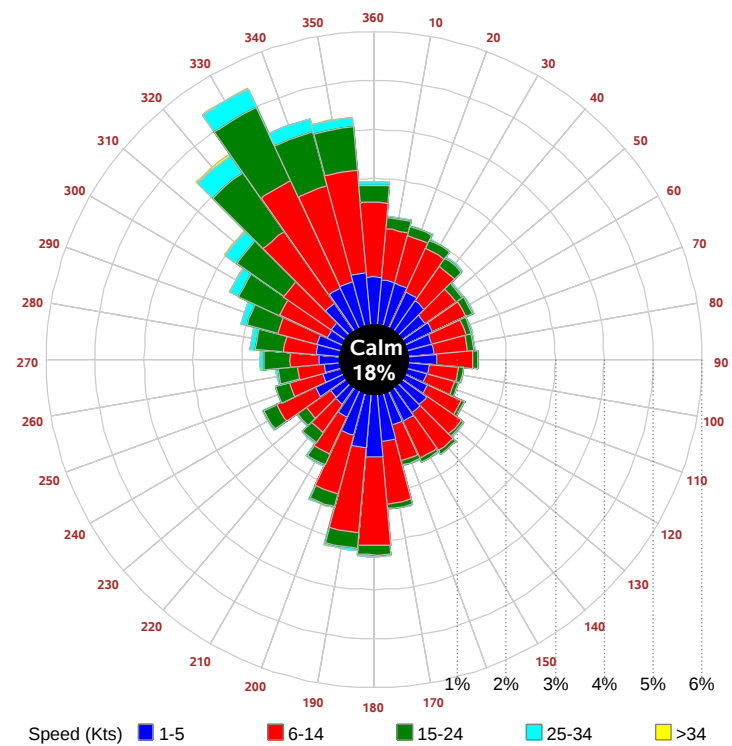
AVERAGE INCIDENT ILLUMINANCE (klux-hr) FOR MOSTLY CLEAR AND MOSTLY CLOUDY CONDITIONS Percentage Uncertainty = 11												
		March					June					
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm	
HORIZ.	M.Clear	42	71	77	57	19	54	86	98	91	63	
	M.Cloudy	27	47	49	37	13	34	55	70	64	41	
NORTH	M.Clear	10	14	15	12	7	13	16	16	16	14	
	M.Cloudy	11	16	17	14	6	13	17	19	18	14	
EAST	M.Clear	73	50	15	12	7	82	67	23	16	14	
	M.Cloudy	31	30	17	14	6	37	39	23	18	14	
SOUTH	M.Clear	47	80	86	63	21	12	39	52	45	20	
	M.Cloudy	22	40	43	31	9	13	27	39	34	16	
WEST	M.Clear	10	14	30	69	55	12	16	16	57	80	
	M.Cloudy	11	16	23	33	19	13	17	19	40	42	
M.Clear	(% hrs)	33	32	32	32	34	37	36	25	24	30	

		Sept					Dec					
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm	
HORIZ.	M.Clear	32	67	80	70	39	14	36	39	19	0	
	M.Cloudy	19	40	54	47	24	9	23	23	12	0	
NORTH	M.Clear	9	14	15	14	10	5	9	10	6	0	
	M.Cloudy	8	14	17	16	9	4	9	10	6	0	
EAST	M.Clear	68	64	20	14	10	35	31	10	6	0	
	M.Cloudy	23	31	19	16	9	11	16	10	6	0	
SOUTH	M.Clear	27	63	78	67	34	36	78	82	47	0	
	M.Cloudy	13	31	46	39	17	12	30	29	16	0	
WEST	M.Clear	9	14	15	57	71	5	9	25	40	0	
	M.Cloudy	8	14	17	34	30	4	9	14	14	0	
M.Clear	(% hrs)	34	43	37	34	38	34	31	30	31	35	

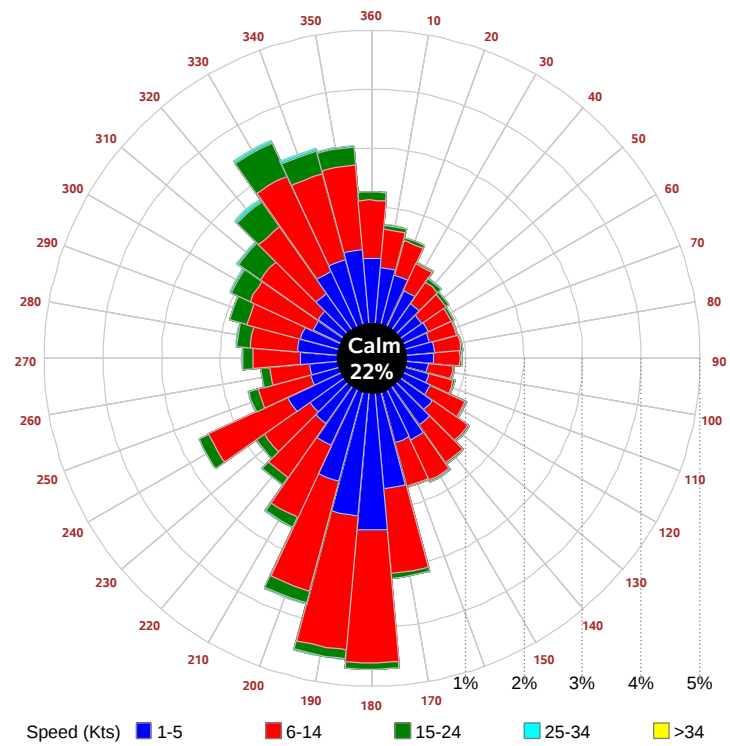
Wind Summary - December, January, and February



Wind Summary - March, April, and May



Wind Summary - June, July, and August



Wind Summary - September, October, and November

