

RALEIGH CO MEM, WV

Latitude = 37.79 N

Longitude = 81.12 W

Period of Record = 1988 To 2017

Station ID = ICAO_KBKW

Elevation = 2504 Feet

Average Pressure = 27.45 inches Hg

Design Criteria Data

Dry Bulb Temperature (T)	Mean Coincident (Average) Values				
	Design Value (°F)	Wet Bulb Temperature (°F)	Humidity Ratio (gr/lb)	Wind Speed (mph)	Prevailing Direction (NSEW)
Median of Extreme Highs	88	70	92	7.3	VRB
0.4% Occurrence	84	70	95	7.5	W
1.0% Occurrence	82	68	92	7.1	VRB
2.0% Occurrence	81	68	92	7.1	VRB
Mean Daily Range	17	-	-	-	WNW
97.5% Occurrence	18	17	11	8	WNW
99.0% Occurrence	11	10	7	7.9	WNW
99.6% Occurrence	7	6	6	7.3	WNW
Median of Extreme Lows	0	-1	4	6.9	WNW

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	75	82	126	6.3	VRB
0.4% Occurrence	73	81	117	6.8	VRB
1.0% Occurrence	71	78	110	6.5	WSW
2.0% Occurrence	70	77	107	6.3	WSW

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	130	78	0.79	6.7	SW
0.4% Occurrence	120	76	0.74	5.6	WSW
1.0% Occurrence	117	75	0.72	6.1	WSW
2.0% Occurrence	112	74	0.69	5.7	WSW

Air Conditioning/ Humid Area Criteria	Threshold	T ≥ 93 °F	T ≥ 80 °F	Twb ≥ 73 °F	Twb ≥ 67 °F
	# of Hours	7	253	43	813

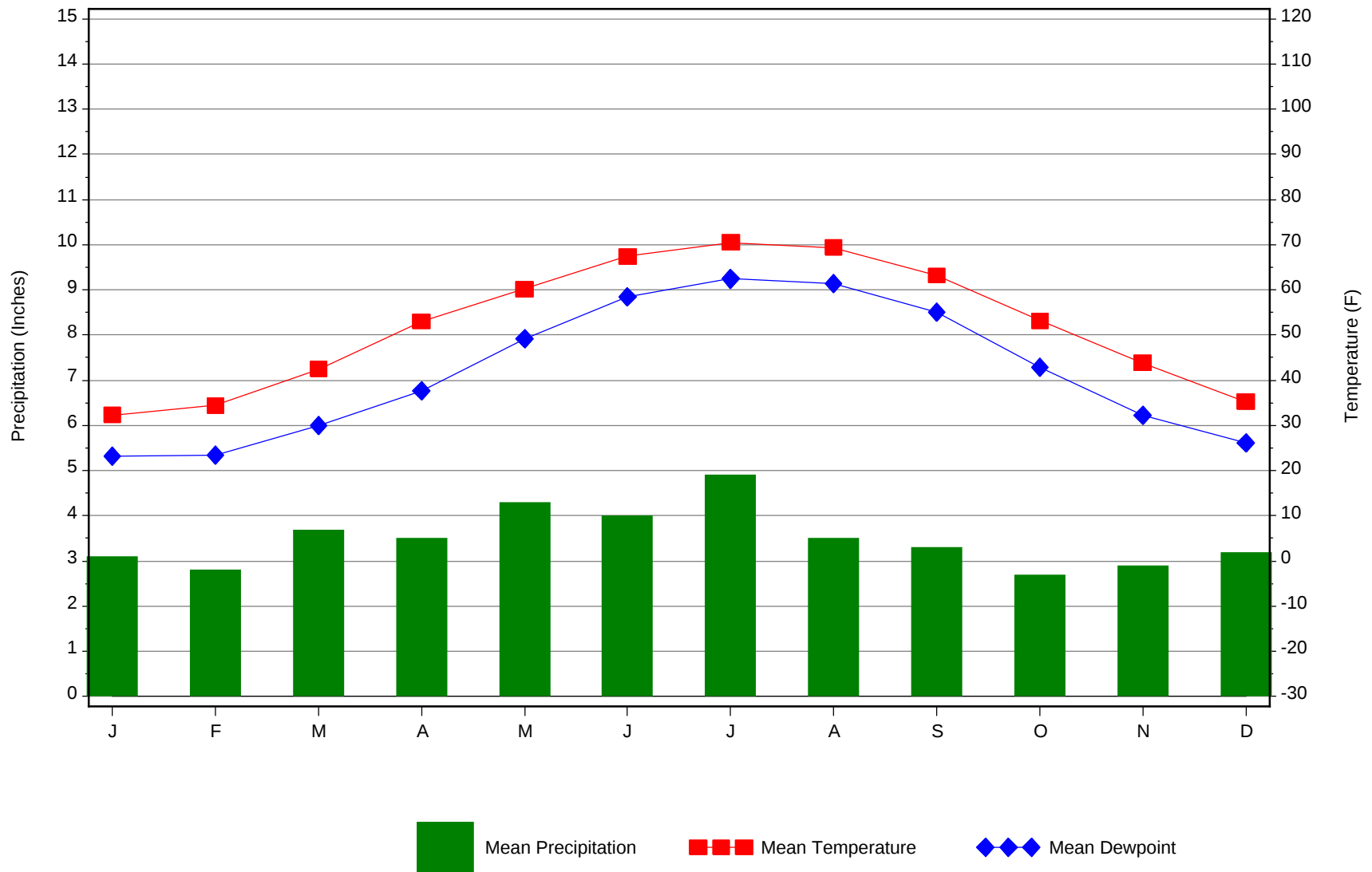
Other Site Data

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
7	2.5	90	1.2 + 0.2
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 (#)
54.7	N/A	30	56

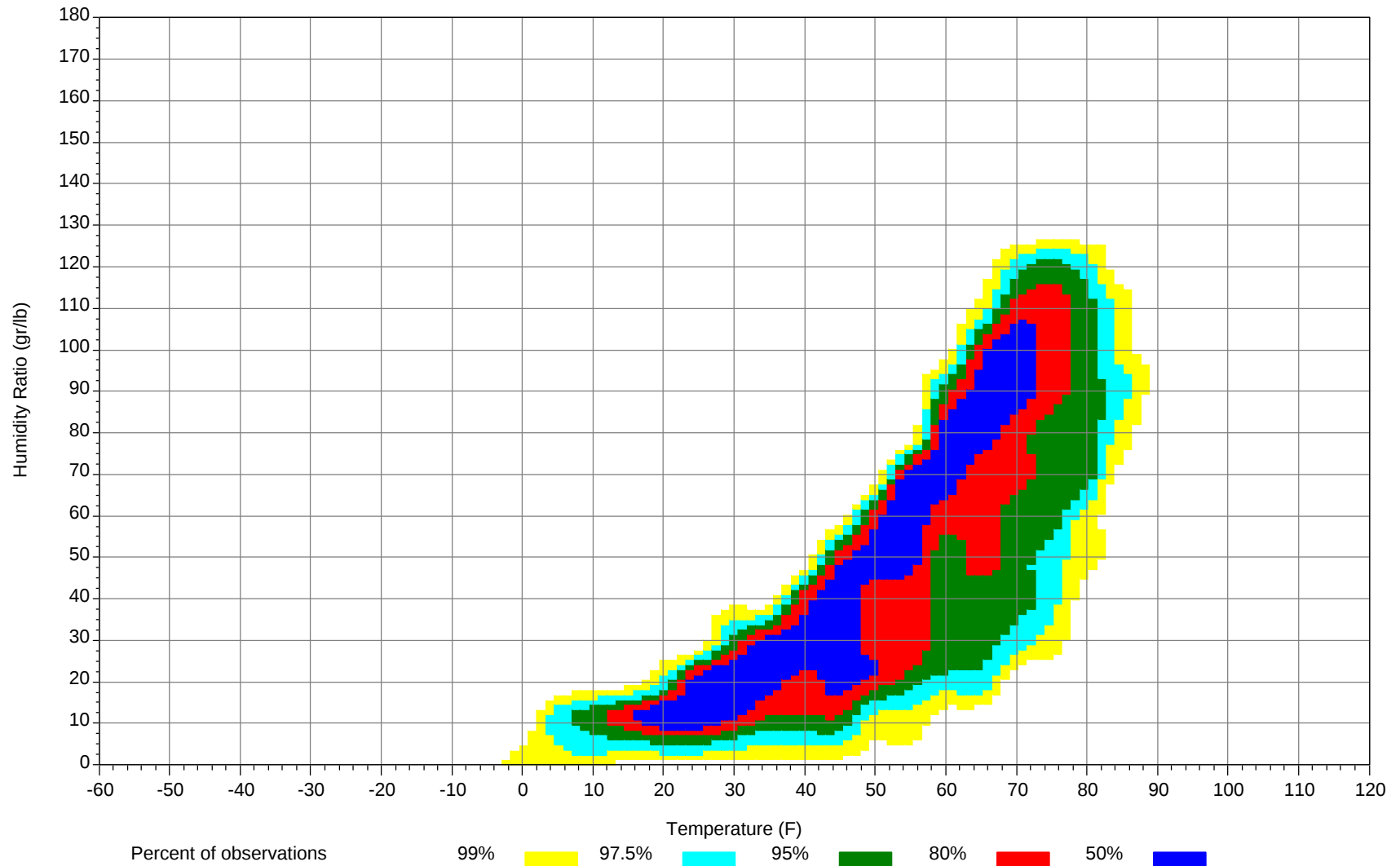
*Note: Temperatures at greater depths can be estimated by adding 1.5°F per 100 feet additional depth.



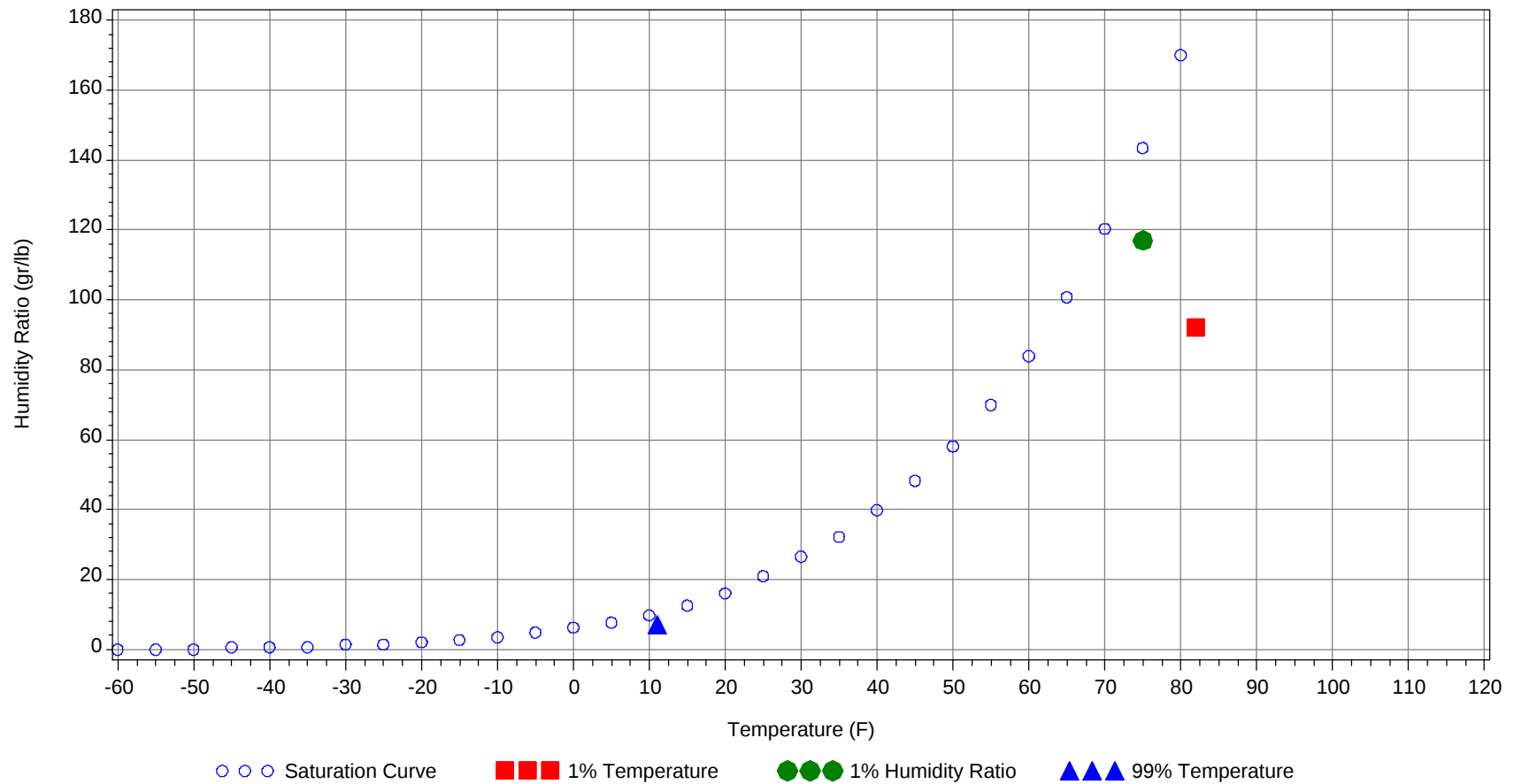
Average Annual Climate



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	82.0		68		92.0	34.2
99.0% Dry Bulb	11.0				7.0	3.7
1.0% Humidity Ratio	117.0	75.0	70.9	69.1		36.4

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)
95/ 99															
90/ 94															
85/ 89															
80/ 84												0		0	59.1
75/ 79												2	1	3	58.1
70/ 74		0	0	0	58.6		1	0	1	56.2		9	3	12	55.6
65/ 69	0	1	0	1	55.6		2	0	2	53.7	0	12	7	19	53.3
60/ 64	1	6	3	10	54.1	1	7	3	11	50.5	6	20	16	42	51.5
55/ 59	6	10	8	24	50.6	4	11	10	25	48.7	17	28	24	69	48.7
50/ 54	9	19	14	42	46.6	12	22	18	52	45.2	25	32	33	90	45.4
45/ 49	20	26	25	71	41.5	20	27	25	72	40.3	34	36	37	107	41.1
40/ 44	20	24	23	67	37.6	15	20	20	55	36.8	25	23	27	75	37.3
35/ 39	30	33	36	99	33.6	29	32	36	97	33	39	31	36	106	33.5
30/ 34	41	38	38	117	28.9	42	36	39	117	29	37	28	31	96	29
25/ 29	44	38	41	123	24.3	40	28	32	100	24.5	35	17	22	74	24.9
20/ 24	21	18	21	60	19.9	21	16	16	53	20	15	6	6	27	19.9
15/ 19	24	18	20	62	15.6	19	13	15	47	15.6	11	3	4	18	16.1
10/ 14	15	9	12	36	10.5	10	5	6	21	10.4	3	1	1	5	10.7
5/ 9	10	5	5	20	6.1	6	2	2	10	6	2	0	1	3	6.3
0/ 4	5	2	2	9	1.1	3	1	1	5	1	1	0	0	1	2.2
-5/ -1	1	1	0	2	-3.3	0	0	0	0	-3.3					
-10/ -6	0	0	0	0	-8	0	0	0	0	-7.7					
-15/-11	0	0	0	0	-12.9	0		0	0	-12					
-20/-16	0	0		0	-17.1	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)
95/ 99												0	0	0	72.7
90/ 94												0	0	0	69.7
85/ 89		0		0	64		1	0	1	68		3	1	4	69.1
80/ 84		3	1	4	59.5		11	4	15	65.1		34	11	45	68.3
75/ 79		15	6	21	58.5	0	35	13	48	63	1	65	27	93	66.5
70/ 74	1	30	16	47	56.4	3	50	29	82	60.9	19	73	61	153	64.3
65/ 69	4	27	19	50	54.3	17	37	34	88	59	60	35	58	153	62.8
60/ 64	24	39	39	102	52.5	64	45	61	170	56.8	90	21	52	163	59.6
55/ 59	40	34	41	115	49.7	52	30	41	123	52.6	39	7	21	67	54.4
50/ 54	39	29	36	104	45.5	46	22	36	104	48.4	23	2	7	32	50.3
45/ 49	44	26	34	104	41.5	36	12	20	68	43.7	6	0	2	8	46
40/ 44	25	14	16	55	38.1	17	3	8	28	40.1	1		0	1	41.5
35/ 39	31	14	17	62	34.2	10	1	3	14	35.7	0			0	38.2
30/ 34	21	8	11	40	29.6	2	0	0	2	31.1					
25/ 29	10	2	3	15	25	0			0	28.1					
20/ 24	2	0	1	3	20.1										
15/ 19	0	0		0	17.2										
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)
95/ 99							0		0	71					
90/ 94		1	0	1	71.5		1	0	1	69.9		0		0	67.4
85/ 89		10	3	13	71.2		7	2	9	70.4		2	0	2	66.5
80/ 84		54	19	73	69.7		47	15	62	69.4		18	4	22	66.7
75/ 79	3	79	39	121	68.1	2	77	34	113	67.5	0	39	12	51	65.4
70/ 74	48	70	82	200	66.5	35	74	76	185	65.9	7	63	35	105	63.4
65/ 69	93	23	61	177	64.6	78	27	64	169	63.9	34	42	48	124	62.2
60/ 64	70	10	35	115	60.6	87	13	46	146	60.5	70	46	67	183	58.8
55/ 59	26	1	7	34	55.6	34	1	10	45	55.8	61	19	41	121	54.2
50/ 54	7		1	8	51.3	11		2	13	51.5	39	8	21	68	49.9
45/ 49	1			1	46	2		0	2	46.8	18	3	10	31	44.9
40/ 44	0			0	41	0			0	43	7	1	2	10	40.9
35/ 39											3	0	1	4	37.2
30/ 34											0		0	0	33.2
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)
95/ 99															
90/ 94															
85/ 89															
80/ 84		1	0	1	64.3										
75/ 79		9	1	10	62.5		1		1	59.5					
70/ 74	0	32	8	40	59.3		5	1	6	57.6		0	0	0	57.8
65/ 69	4	32	14	50	57.4	0	10	2	12	54.7	0	2	0	2	57.2
60/ 64	24	49	45	118	55.7	5	27	15	47	53.1	2	8	3	13	54.9
55/ 59	43	40	46	129	51.8	19	32	28	79	50.2	7	15	12	34	51.6
50/ 54	48	34	45	127	47.6	29	35	35	99	46	14	24	18	56	47
45/ 49	45	27	39	111	42.8	34	36	38	108	41.1	21	31	29	81	41.5
40/ 44	30	13	21	64	39	29	23	27	79	37.2	23	25	24	72	37.3
35/ 39	29	8	19	56	35.2	45	33	39	117	33.5	35	36	40	111	33.5
30/ 34	19	3	8	30	30.6	36	22	30	88	29.1	46	39	42	127	29.1
25/ 29	6	0	1	7	26.4	27	10	19	56	24.8	40	35	37	112	24.6
20/ 24	0			0	21.5	11	3	4	18	20.4	24	15	18	57	20.1
15/ 19	0			0	18	4	1	2	7	16.2	21	12	16	49	16.2
10/ 14						2	0	0	2	11.2	9	4	6	19	10.8
5/ 9						0			0	7	3	1	2	6	6.3
0/ 4											2	0	1	3	1.2
-5/ -1											0	0	0	0	-2.8
-10/ -6											0	0	0	0	-7.4
-15/-11											0	0	0	0	-11.7
-20/-16															

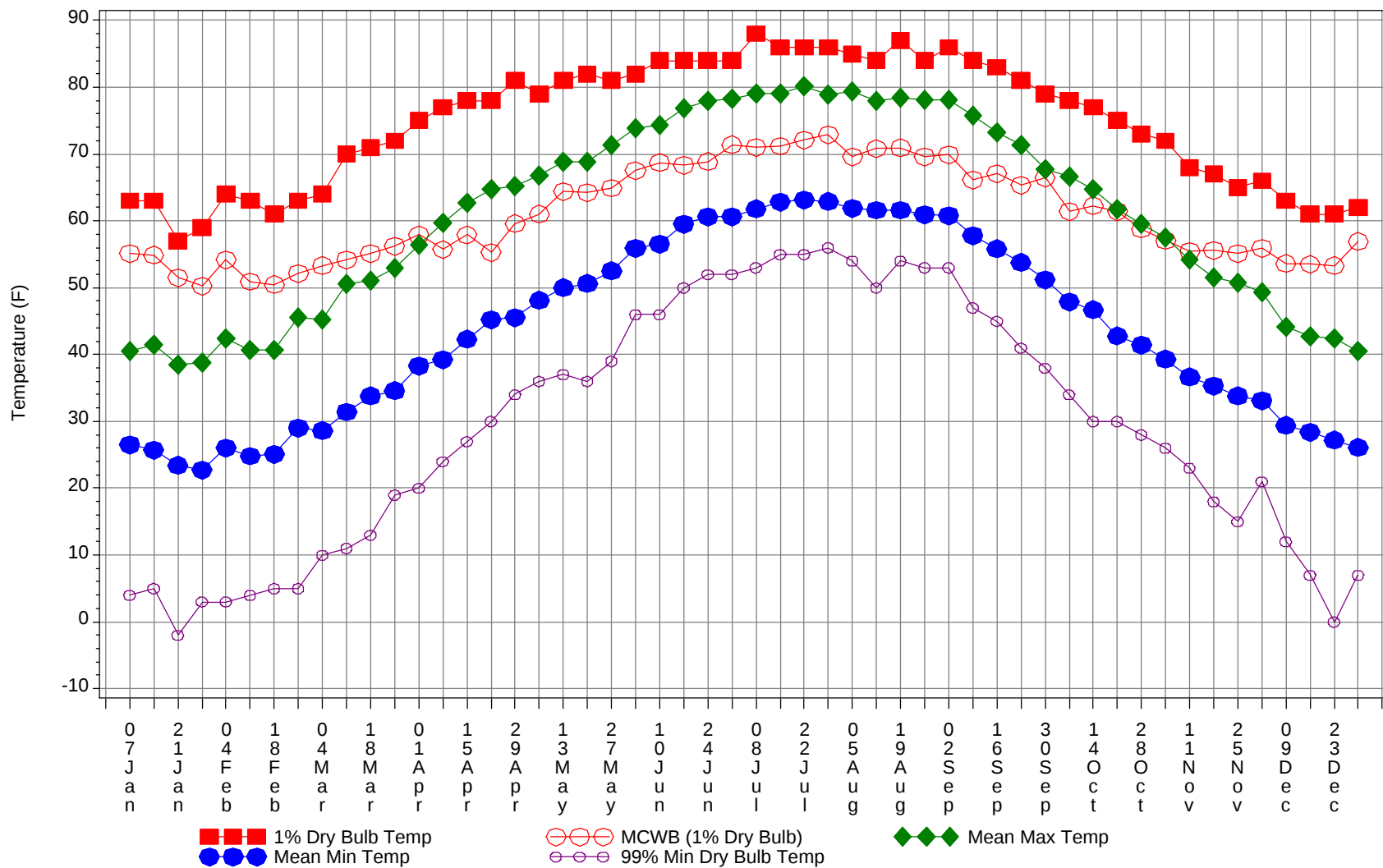
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Dry-Bulb Temperature Hours For An Average Year

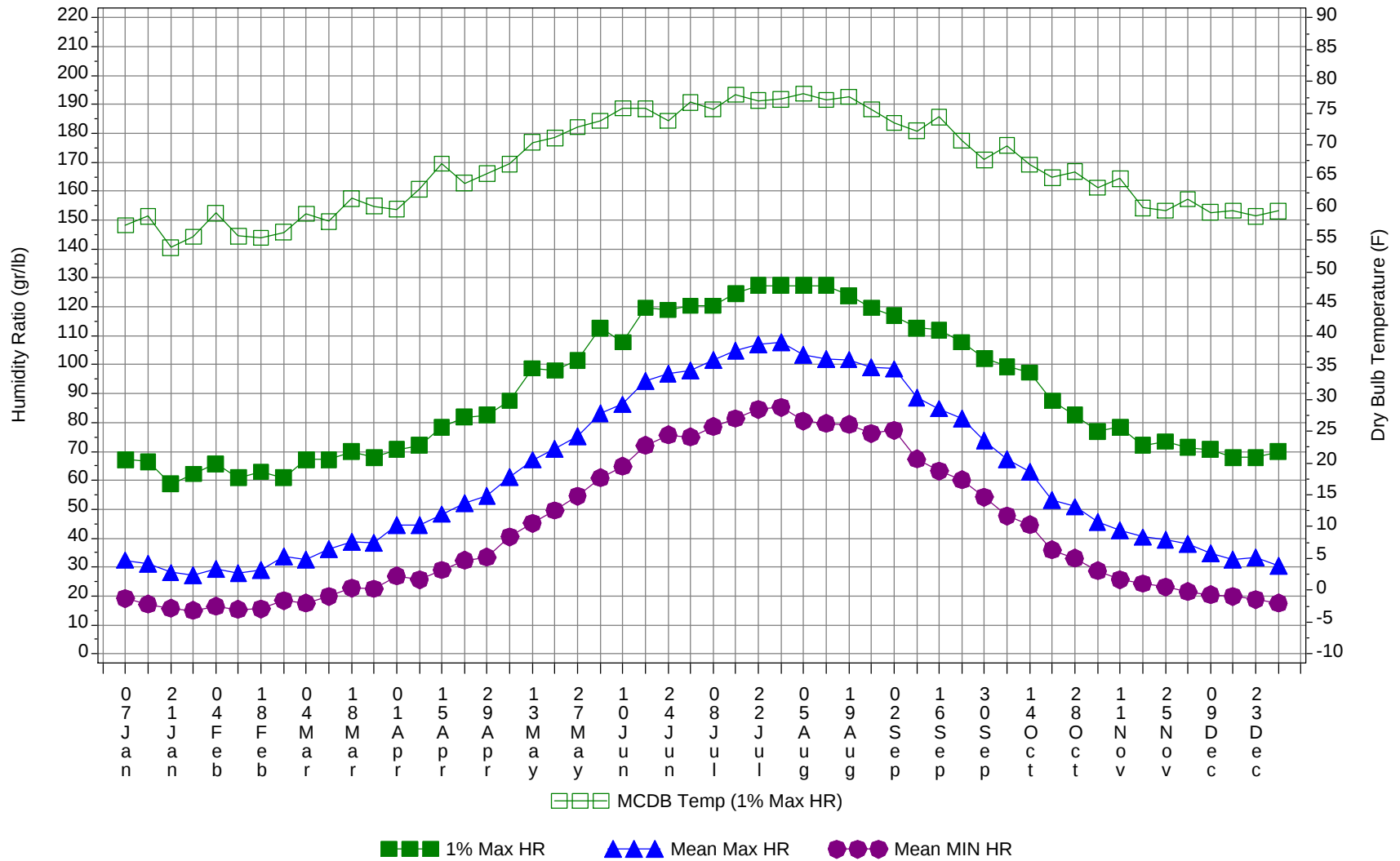
	Annual				
Temperature Range (° F)	01 To 08 LST	09 To 16 LST	17 to 00 LST	Total Obs	M C W B (° F)
95/ 99		0	0	0	72.3
90/ 94		3	1	4	70.4
85/ 89		23	6	29	70.2
80/ 84		168	53	221	68.5
75/ 79	6	322	132	460	66.2
70/ 74	114	406	311	831	63.9
65/ 69	289	250	309	848	61.7
60/ 64	444	290	384	1118	57.4
55/ 59	347	227	289	863	52
50/ 54	303	227	265	795	47.1
45/ 49	280	225	258	763	41.9
40/ 44	193	146	169	508	37.8
35/ 39	252	188	226	666	33.7
30/ 34	244	174	199	617	29.1
25/ 29	201	132	154	487	24.6
20/ 24	94	59	67	220	20
15/ 19	79	47	57	183	15.8
10/ 14	38	20	25	83	10.6
5/ 9	21	8	10	39	6.1
0/ 4	9	3	3	15	1.2
-5/ -1	2	1	1	4	-3.2
-10/ -6	1	0	1	2	-7.8
-15/-11	1	0	0	1	-12.2
-20/-16	0	0		0	-16.9

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.

Annual Summary of Temperatures



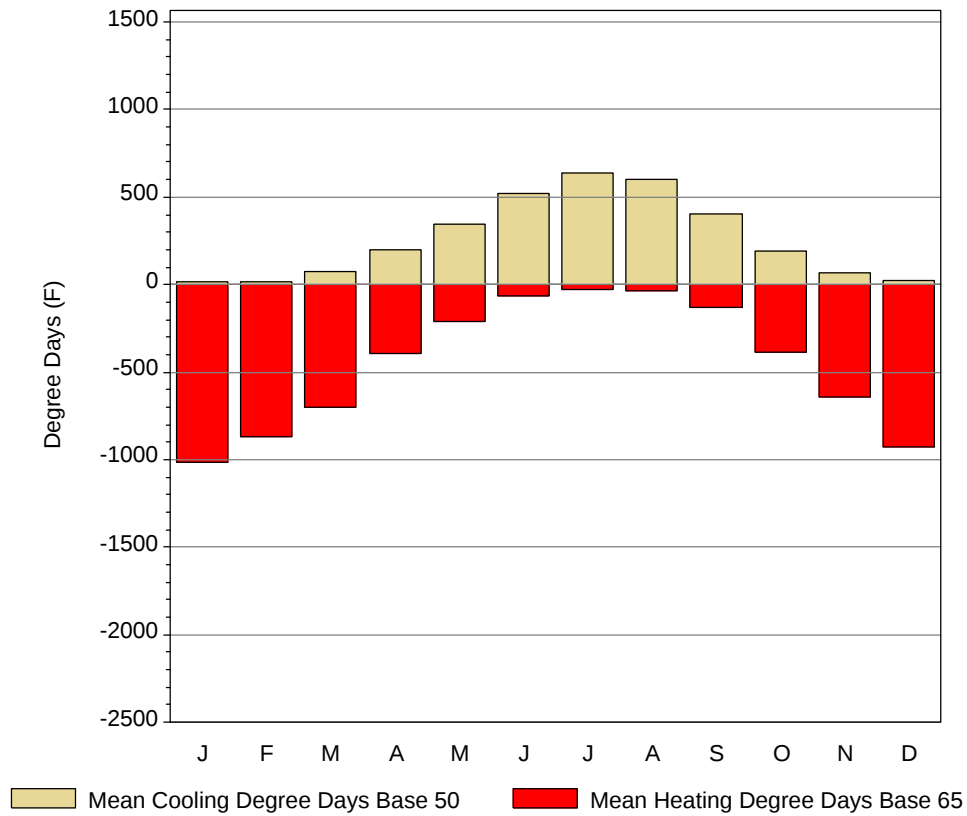
Long Term Humidity and Dry Bulb Temperature Summary



Long Term Humidity and Dry Bulb Temperature Summary

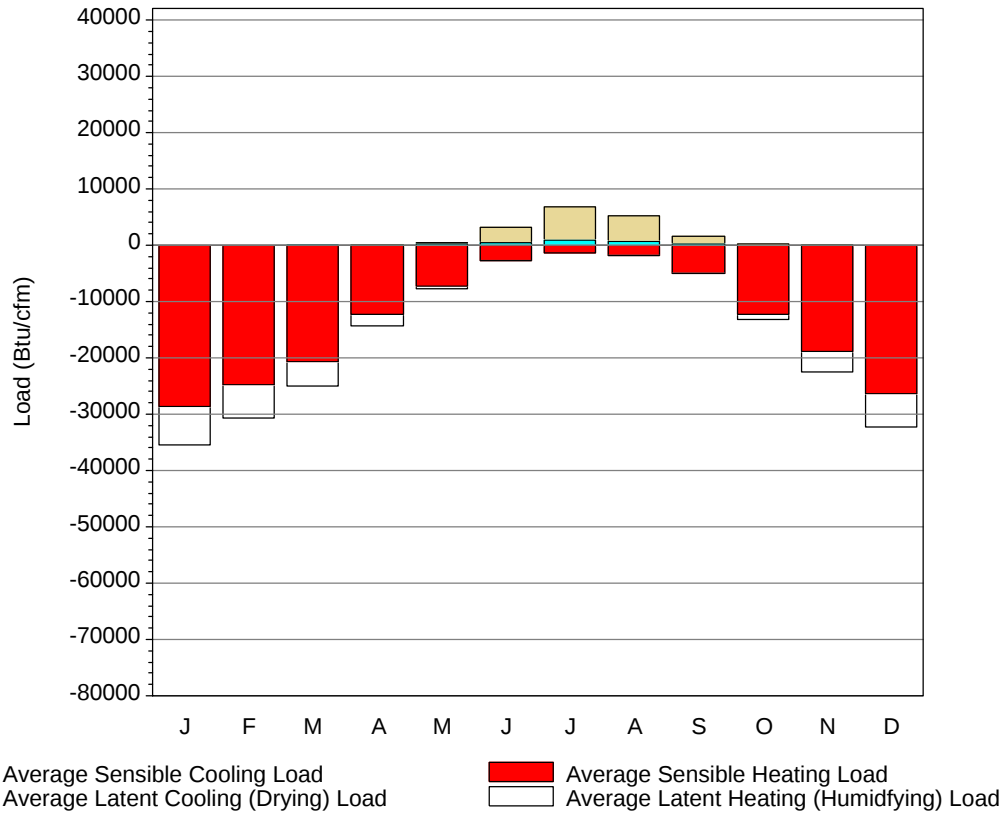
Week Ending	1.0% Temp (° F)	MCWB@ 1% Temp (° F)	Mean Max Temp (° F)	Mean Min Temp (° F)	99% Temp (° F)	1.0% HR (gr/lb)	MCDB@ 1% HR (° F)	Mean Max HR (gr/lb)	Mean Min HR (gr/lb)
7-Jan	63	55.1	40.5	26.5	4	67.2	57.4	32.4	19.2
14-Jan	63	54.9	41.4	25.7	5	66.5	58.8	31.2	17.2
21-Jan	57	51.5	38.4	23.4	-2	58.8	53.9	28.1	15.8
28-Jan	59	50.2	38.8	22.7	3	62.3	55.6	27.1	15
4-Feb	64	54.2	42.4	26	3	65.8	59.3	29.4	16.4
11-Feb	63	50.9	40.7	24.8	4	60.9	55.7	27.9	15.4
18-Feb	61	50.5	40.7	25.1	5	63	55.4	28.9	15.5
25-Feb	63	52.1	45.5	29	5	60.9	56.3	33.8	18.4
4-Mar	64	53.3	45.3	28.6	10	67.2	59.2	32.6	17.6
11-Mar	70	54.2	50.6	31.4	11	67.2	58	36.2	19.9
18-Mar	71	55.1	51.1	33.8	13	70	61.6	38.7	22.8
25-Mar	72	56.2	52.9	34.6	19	67.9	60.4	38.3	22.5
1-Apr	75	57.9	56.4	38.3	20	70.7	59.9	44.5	26.9
8-Apr	77	55.7	59.7	39.2	24	72.1	63.1	44.6	25.7
15-Apr	78	57.9	62.7	42.3	27	78.4	67.1	48.3	29
22-Apr	78	55.3	64.7	45.2	30	81.9	64	52.1	32.3
29-Apr	81	59.6	65.2	45.5	34	82.6	65.5	54.8	33.4
6-May	79	61	66.8	48.1	36	87.5	67	61.1	40.4
13-May	81	64.4	68.8	50	37	98.7	70.4	67.1	45.2
20-May	82	64.2	68.8	50.6	36	98	71.1	70.8	49.6
27-May	81	64.9	71.4	52.5	39	101.5	72.8	75.4	54.5
4-Jun	82	67.5	73.8	55.9	46	112.7	73.8	83.1	60.9
10-Jun	84	68.7	74.4	56.5	46	107.8	75.8	86.3	64.8
17-Jun	84	68.3	76.8	59.5	50	119.7	75.7	94.4	72.1
24-Jun	84	68.9	77.9	60.6	52	119	73.8	96.9	75.7
1-Jul	84	71.4	78.2	60.6	52	120.4	76.7	98	75
8-Jul	88	71	79.1	61.8	53	120.4	75.6	101.5	78.6
15-Jul	86	71.2	79	62.8	55	124.6	77.9	104.9	81.4
22-Jul	86	72.1	80.2	63.1	55	127.4	77	107.1	84.6
29-Jul	86	72.9	78.9	62.9	56	127.4	77.2	107.7	85.2
5-Aug	85	69.6	79.4	61.9	54	127.4	78.1	103.5	80.5
12-Aug	84	70.8	77.9	61.6	50	127.4	77.1	102	79.7
19-Aug	87	70.9	78.5	61.6	54	123.9	77.6	101.8	79.3
26-Aug	84	69.6	78.1	60.9	53	119.7	75.6	99.2	76.2
2-Sep	86	69.9	78.1	60.8	53	116.9	73.5	98.6	77.3
9-Sep	84	66.1	75.8	57.8	47	112.7	72.2	88.7	67.4
16-Sep	83	67.1	73.3	55.8	45	112	74.4	84.8	63.2
23-Sep	81	65.3	71.4	53.8	41	107.8	70.7	81.5	60.2
30-Sep	79	66.4	67.8	51.2	38	102.2	67.7	73.9	54.2
7-Oct	78	61.4	66.6	47.9	34	99.4	69.9	67.4	47.7
14-Oct	77	62.3	64.8	46.7	30	97.3	66.9	62.9	44.6
21-Oct	75	61.4	61.8	42.8	30	87.5	64.9	53.3	35.9
28-Oct	73	58.8	59.5	41.4	28	82.6	65.8	50.9	33
4-Nov	72	57.1	57.5	39.3	26	77	63.3	45.7	28.7
11-Nov	68	55.4	54.2	36.6	23	78.4	64.7	42.8	25.6
18-Nov	67	55.6	51.6	35.3	18	72.1	60.1	40.4	24.3
25-Nov	65	55.1	50.7	33.8	15	73.5	59.7	39.4	23.2
2-Dec	66	55.9	49.4	33.1	21	71.4	61.5	38.1	21.5
9-Dec	63	53.6	44.1	29.4	12	70.7	59.4	34.8	20.4
16-Dec	61	53.5	42.7	28.4	7	67.9	59.7	32.7	19.8
23-Dec	61	53.3	42.4	27.2	0	67.9	58.8	33.3	18.8
31-Dec	62	56.9	40.5	26.1	7	70	59.6	30.4	17.6

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	15.8	0.1	1014
FEB	19.1	0.3	866.1
MAR	74.6	6	703.5
APR	199.4	29.5	391.2
MAY	342.4	64.2	213.6
JUN	522.9	133.8	62.3
JUL	634.4	194.9	25.6
AUG	602.1	172.4	35.5
SEP	406.6	80	132.8
OCT	190.9	20	388.1
NOV	68.9	2.8	639.9
DEC	21.8	0.2	924.3
ANN	3098.9	704.2	5396.9

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	-28691	0	-6756
FEB	0	-24642	0	-5986
MAR	6	-20564	0	-4442
APR	65	-12150	8	-2101
MAY	203	-7310	363	-296
JUN	539	-2705	2614	-2
JUL	979	-1382	5753	0
AUG	799	-1796	4448	-4
SEP	285	-4967	1337	-14
OCT	21	-12215	114	-1014
NOV	1	-18876	4	-3619
DEC	0	-26363	0	-5827
ANN	2898	-161661	14641	-30061

Station Information		Shading Geometry in Dimensionless Units	
City, State, WBAN	CHARLESTON, WV 13866	Window:	1.000
Lat, Lon, Elev	38.37N 81.60W 951ft	Overhang:	0.487
Press, Stn_Type	14.3psia Secondary	Vert Gap:	0.312

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	620	850	1180	1510	1780	1910	1840	1670	1370	1040	680	530	1250
	Std.Dev.	46	79	99	152	141	125	123	99	88	76	77	42	49
	Minimum	550	700	970	1160	1530	1680	1480	1490	1210	890	530	460	1110
	Maximum	710	1030	1340	1870	2030	2200	2090	1850	1660	1260	830	620	1360
	Diffuse	380	490	610	740	840	900	890	800	650	480	370	320	620
Clear Day	Global	970	1320	1790	2240	2520	2620	2530	2270	1870	1400	1010	850	1790
NORTH	Global	210	280	360	440	540	610	570	480	390	300	220	190	380
	Diffuse	210	280	360	440	500	540	520	470	390	300	220	190	370
Clear Day	Global	190	250	330	430	580	680	620	480	370	280	210	170	380
EAST	Global	390	520	690	860	970	1000	950	880	760	620	420	330	700
	Diffuse	260	340	430	530	590	630	620	560	470	370	270	220	440
Clear Day	Global	710	920	1150	1340	1420	1440	1400	1310	1150	930	730	640	1100
SOUTH	Global	840	930	990	900	800	750	770	900	1010	1110	890	760	890
	Diffuse	360	430	500	540	560	580	580	570	530	450	360	320	480
Clear Day	Global	1940	1980	1770	1370	1030	880	930	1200	1560	1810	1870	1860	1510
WEST	Global	400	540	710	870	980	1060	1020	970	830	670	440	350	740
	Diffuse	260	340	440	530	600	650	630	580	490	370	270	220	450
Clear Day	Global	710	920	1150	1340	1420	1440	1400	1310	1150	930	730	640	1100

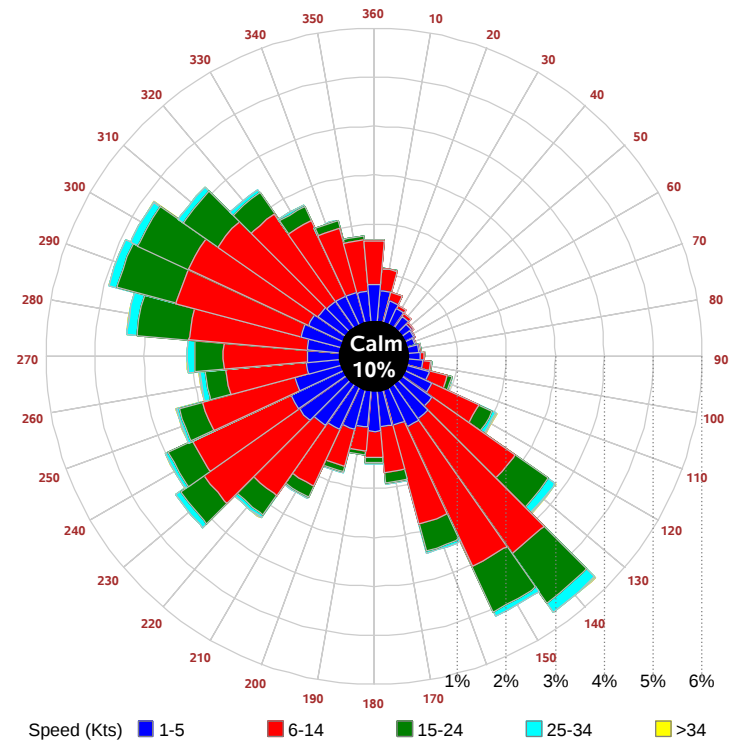
Average Annual Solar Radiation - Nearest Available Site Source: National Renewable Energy Laboratory, Golden CO, 1995

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	410	580	830	1090	1290	1390	1330	1210	980	730	460	350	890
NORTH	Unshaded	150	200	250	300	360	400	380	330	270	210	150	130	260
	Shaded	130	170	220	270	320	360	340	290	240	190	140	110	230
EAST	Unshaded	270	360	490	610	690	710	680	620	540	430	290	230	490
	Shaded	240	320	430	540	600	610	580	540	470	380	260	200	430
SOUTH	Unshaded	630	670	680	590	500	460	470	570	680	800	660	570	610
	Shaded	600	620	550	410	350	360	360	390	510	700	630	550	500
WEST	Unshaded	280	380	500	620	700	750	730	690	590	470	310	240	520
	Shaded	250	330	440	540	610	650	630	600	520	420	280	220	460

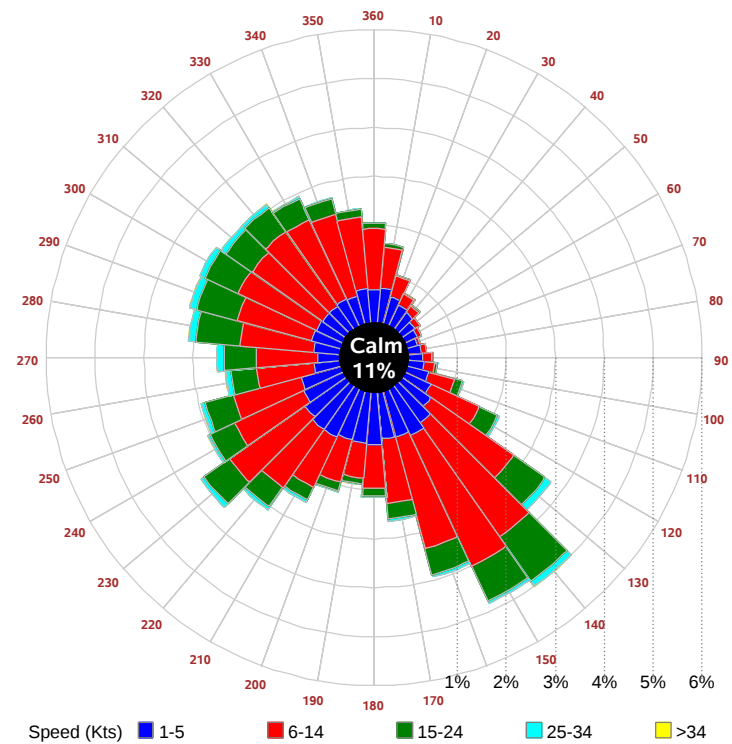
AVERAGE INCIDENT ILLUMINANCE (klux-hr) FOR MOSTLY CLEAR AND MOSTLY CLOUDY CONDITIONS Percentage Uncertainty = 9												
		March					June					
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm	
HORIZ.	M.Clear	31	68	82	70	35	37	77	98	97	74	
	M.Cloudy	18	40	49	43	21	24	50	70	70	49	
NORTH	M.Clear	9	14	15	14	9	21	16	17	17	16	
	M.Cloudy	8	15	17	15	9	13	17	19	19	16	
EAST	M.Clear	68	63	17	14	9	67	76	41	17	16	
	M.Cloudy	20	30	18	15	9	29	41	32	19	16	
SOUTH	M.Clear	30	66	81	69	35	11	26	43	42	24	
	M.Cloudy	12	31	39	34	15	10	21	33	34	20	
WEST	M.Clear	9	14	15	60	72	11	16	17	43	75	
	M.Cloudy	8	15	17	31	25	10	17	19	34	43	
M.Clear	(% hrs)	26	26	27	25	27	28	34	28	28	36	

		Sept					Dec					
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm	
HORIZ.	M.Clear	19	60	83	80	54	10	38	49	35	6	
	M.Cloudy	11	35	54	54	33	6	21	26	20	4	
NORTH	M.Clear	7	14	16	16	13	4	10	11	9	3	
	M.Cloudy	5	13	18	18	13	3	9	11	9	2	
EAST	M.Clear	48	72	38	16	13	31	43	11	9	3	
	M.Cloudy	15	30	27	18	13	7	16	11	9	2	
SOUTH	M.Clear	13	49	71	68	43	25	73	88	69	16	
	M.Cloudy	7	23	41	41	22	6	22	27	21	4	
WEST	M.Clear	7	14	16	44	72	4	10	14	47	22	
	M.Cloudy	5	13	18	30	32	3	9	12	17	6	
M.Clear	(% hrs)	25	38	34	35	41	20	21	22	23	25	

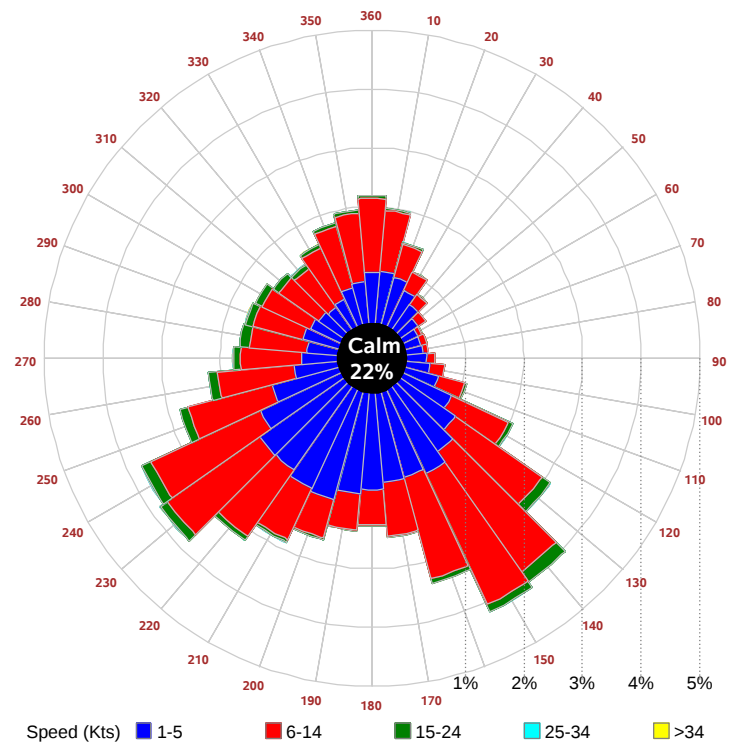
Wind Summary - December, January, and February



Wind Summary - March, April, and May



Wind Summary - June, July, and August



Wind Summary - September, October, and November

