PITTSBURGH INTL, PA	
Latitude = 40.49 N	Station ID = ICAO_KPIT
Longitude = 80.23 W	Elevation = 1204 Feet
Period of Record = 1988 To 2017	Average Pressure = 28.74 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	91	73	96	9.5	W
0.4% Occurrence	90	72	96	9.5	WSW
1.0% Occurrence	87	71	93	9.1	SW
2.0% Occurrence	84	70	90	8.8	SW
Mean Daily Range	18	-	-	-	W
97.5% Occurrence	16	14	9	9.1	W
99.0% Occurrence	10	8	6	8.4	W
99.6% Occurrence	5	4	5	7.8	W
Median of Extreme Lows	0	-1	4	7.5	WSW

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	78	89	129	10.2	WSW
0.4% Occurrence	75	84	119	8.6	SW
1.0% Occurrence	74	83	115	8.3	SW
2.0% Occurrence	72	80	108	7.8	SW

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	136	85	0.87	8.8	WSW
0.4% Occurrence	123	79	0.79	8	WSW
1.0% Occurrence	120	79	0.77	8.1	SW
2.0% Occurrence	114	77	0.74	6.4	SW

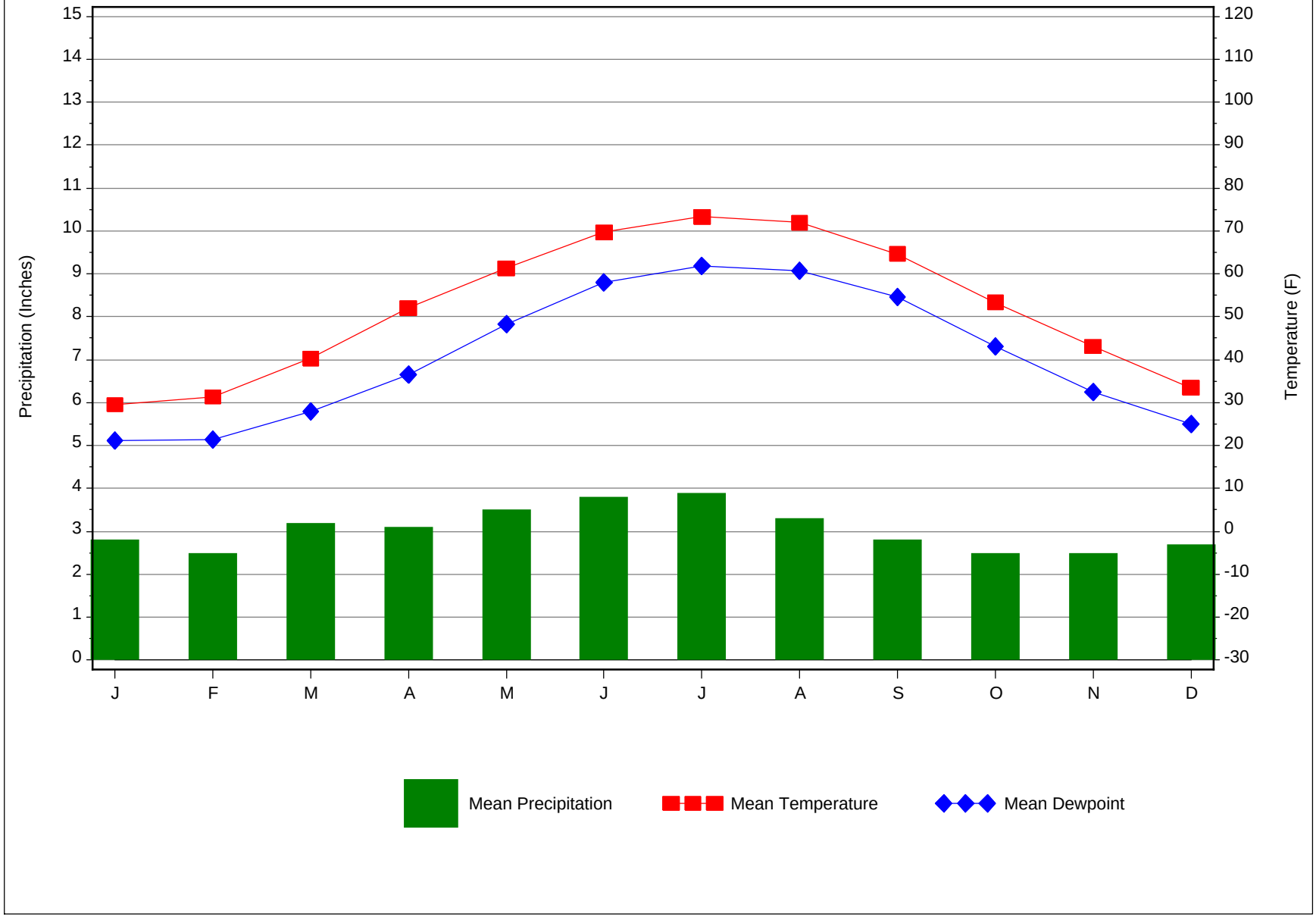
Air Conditioning/ Humid Area Criteria	**Threshold**	**T ≥ 93°F**	**T ≥ 80°F**	**Twb ≥ 73°F**	**Twb ≥ 67°F**
	# of Hours	22	526	161	1071

Other Site Data

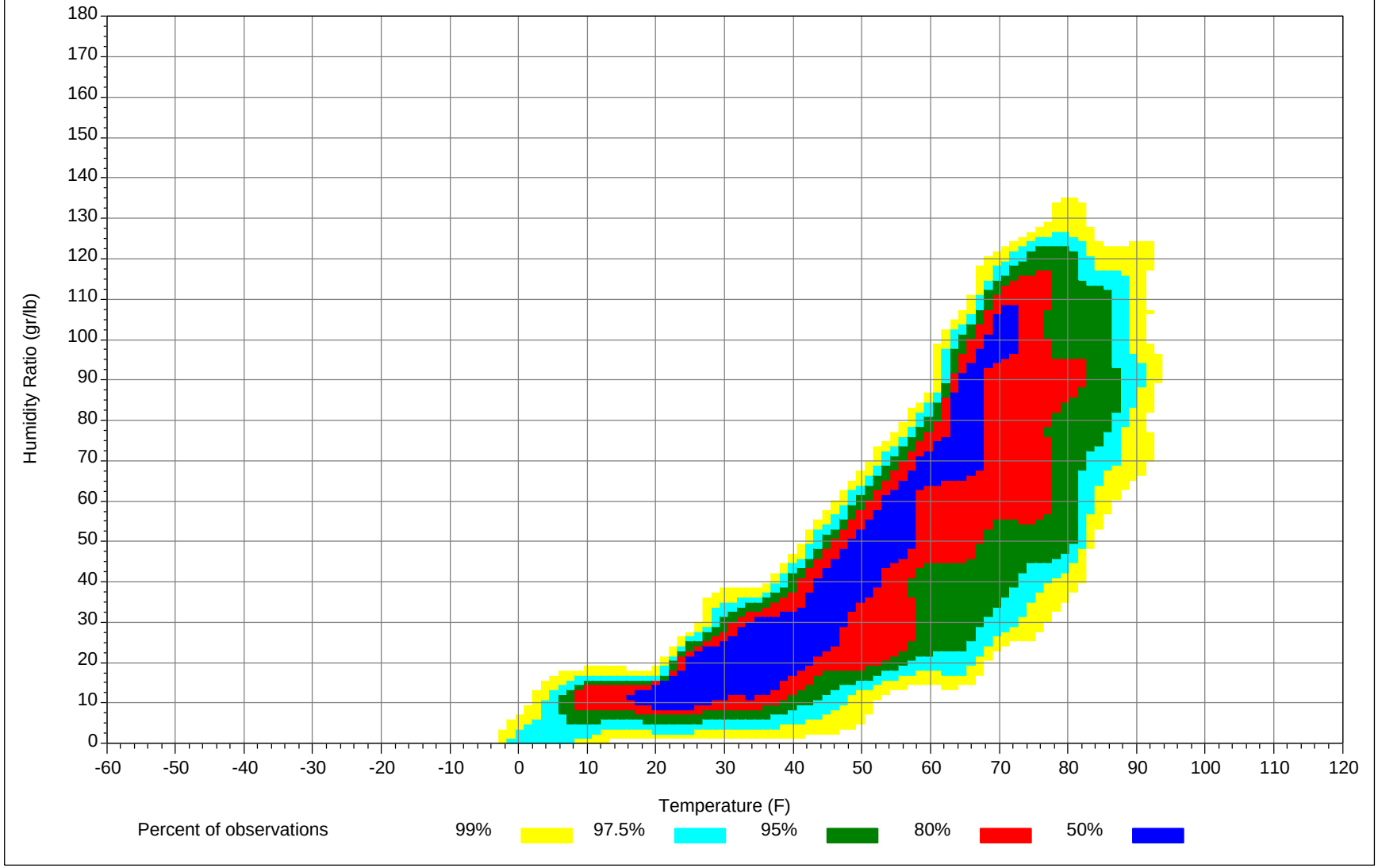
Weather Region	Rain Rate 100 Year Recurrence (in./hr)	Basic Wind Speed 3 sec gust @ 33 ft 50 Year Recurrence (mph)	Ventilation Cooling Load Index (Ton-hr/cfm/yr) Base 75°F-RH 60% Latent + Sensible
6	2.5	90	1.4 + 0.5
Ground Water Temperature (°F) 50 Foot Depth*	Frost Depth 50 Year Recurrence (in)	Ground Snow Load 50 Year Recurrence (lb/ft^2)	Average Annual Freeze-Thaw Cycles (#)
54.5	38	25	54

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

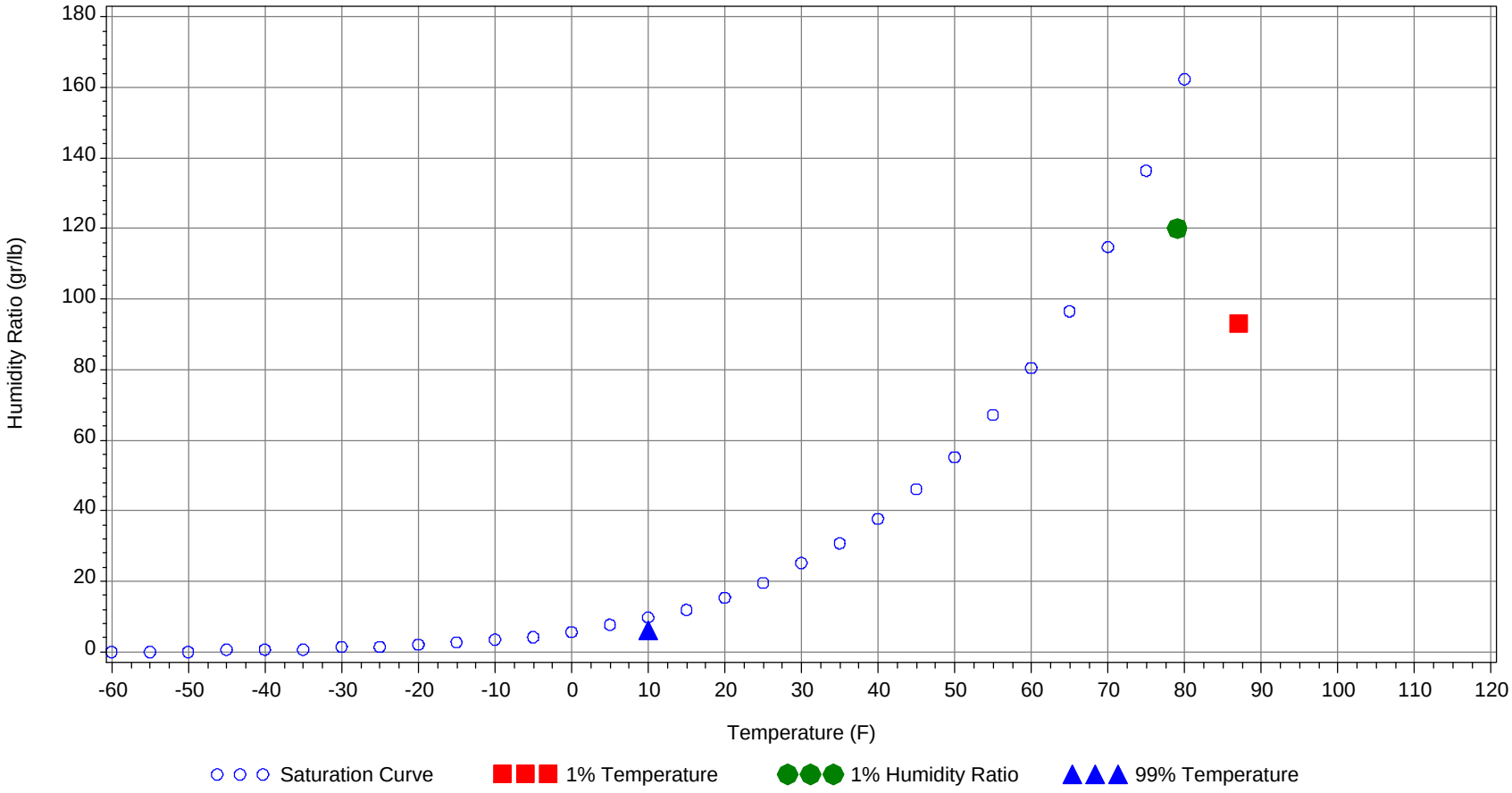
Average Annual Climate



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	87.0		71		93.0	35.4
99.0% Dry Bulb	10.0				6.0	3.4
1.0% Humidity Ratio	120.0	79.0	73.2	71.1		37.7

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	0	60.6
75/ 79							0	0	0	58.5		3	2	5	60.1
70/ 74		0	0	0	59		1	0	1	57.5	0	9	6	15	56.7
65/ 69	0	1	0	1	56.6	0	1	1	2	54	1	9	7	17	54.4
60/ 64	1	4	3	8	55.6	1	4	4	9	52.2	6	14	14	34	52.3
55/ 59	5	7	7	19	52.1	3	7	6	16	49	11	18	17	46	49.2
50/ 54	8	10	8	26	47.3	5	11	9	25	44.9	14	25	22	61	45.4
45/ 49	11	16	14	41	41.9	10	19	16	45	41	23	32	32	87	41
40/ 44	13	17	18	48	38.1	13	17	16	46	37.7	23	26	28	77	37
35/ 39	27	38	37	102	33.8	24	37	36	97	33.3	40	44	43	127	33.3
30/ 34	42	46	45	133	29.4	43	45	46	134	29.1	48	35	38	121	29.1
25/ 29	42	40	40	122	24.4	45	36	40	121	24.1	40	19	24	83	24.2
20/ 24	24	23	23	70	19.8	25	20	19	64	19.7	20	7	9	36	19.9
15/ 19	33	25	29	87	15.7	26	16	17	59	15.5	14	4	5	23	15.8
10/ 14	19	13	16	48	10.5	12	6	8	26	10.5	5	1	1	7	10.5
5/ 9	12	6	6	24	6.1	8	4	4	16	5.9	2	0	1	3	6.4
0/ 4	8	2	2	12	1.2	6	1	2	9	1.1	0			0	1.6
-5/ -1	2	1	1	4	-3.4	2	0	0	2	-3.2	0			0	-2.3
-10/ -6	1	0	0	1	-7.7	1			1	-7.1					
-15/-11	0	0	0	0	-12.2										
-20/-16	0	0	0	0	-18.7										
-25/-21	0			0	-21.6										

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															
95/ 99												1	0	1	74
90/ 94							0	0	0	72.3		5	1	6	72
85/ 89		1	0	1	63.3		6	3	9	69	0	19	8	27	71
80/ 84		5	3	8	62.6	0	25	12	37	66.1	1	50	27	78	68.7
75/ 79	0	13	7	20	59.9	2	30	20	52	63.8	8	55	43	106	66.3
70/ 74	3	21	15	39	57.3	11	41	33	85	61	44	56	63	163	64.6
65/ 69	5	21	16	42	54.7	20	33	33	86	58.7	57	27	41	125	62.2
60/ 64	17	37	36	90	52.6	44	45	49	138	55.8	58	20	35	113	58.2
55/ 59	26	35	37	98	49	47	33	41	121	51.6	42	6	15	63	53.7
50/ 54	36	36	38	110	45.2	55	23	34	112	48	22	2	5	29	49.8
45/ 49	45	33	36	114	41.4	42	10	18	70	43.6	7	0	1	8	45.3
40/ 44	32	18	21	71	37.6	16	2	5	23	39.5	1		0	1	41
35/ 39	40	15	20	75	33.9	9	0	1	10	35.7	0			0	37.4
30/ 34	26	5	9	40	29.6	2			2	31.8					
25/ 29	9	1	2	12	24.7										
20/ 24	2	0	0	2	20.2										
15/ 19	0			0	16.3										
10/ 14															
5/ 9															
0/ 4															
-5/ -1															
-10/ -6															
-15/-11															
-20/-16															
-25/-21															

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		0		0	77										
95/ 99		1	1	2	74.3		1	0	1	74.4		0		0	74
90/ 94	0	12	4	16	73.4		10	3	13	72.7		2	0	2	69.9
85/ 89	0	26	13	39	71.7	0	21	8	29	71.3	0	8	2	10	69.6
80/ 84	2	70	41	113	69.4	2	61	34	97	69.1	0	24	9	33	68
75/ 79	16	69	62	147	67.7	13	69	55	137	67.1	2	41	23	66	65.9
70/ 74	83	52	76	211	66.4	57	57	75	189	65.9	20	57	49	126	64
65/ 69	61	14	31	106	63.3	64	20	42	126	63.1	31	38	40	109	61.5
60/ 64	58	5	19	82	59.4	70	9	25	104	59.5	56	41	55	152	57.9
55/ 59	22	0	2	24	54.5	33	1	5	39	55	56	20	35	111	53.6
50/ 54	5		0	5	50.4	9		0	9	50.9	43	8	17	68	49.6
45/ 49	0			0	46	0		0	0	46.4	23	2	6	31	45.1
40/ 44											6	0	1	7	40.6
35/ 39											2		0	2	37.1
30/ 34															
25/ 29															
20/ 24															
15/ 19															
10/ 14															
5/ 9															
0/ 4															
-5/ -1															
-10/ -6															
-15/-11															
-20/-16															
-25/-21															

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	70.7										
80/ 84		3	1	4	66.7										
75/ 79	0	14	3	17	63.6		1	0	1	63.1					
70/ 74	2	28	14	44	60.9	0	5	1	6	58.7		0	0	0	56.5
65/ 69	9	23	18	50	59	1	10	4	15	56.4	0	1	1	2	59.3
60/ 64	22	41	36	99	55.5	7	20	14	41	53.9	3	5	3	11	55.4
55/ 59	29	43	41	113	51.2	14	24	22	60	50.6	5	10	7	22	51.5
50/ 54	45	41	43	129	47.3	21	34	30	85	46.1	10	13	14	37	47.6
45/ 49	50	32	47	129	43	33	40	41	114	41.6	14	23	18	55	42.1
40/ 44	38	14	23	75	39.2	29	30	33	92	37.8	17	27	24	68	38
35/ 39	37	8	18	63	35.4	50	40	44	134	33.8	37	47	45	129	33.8
30/ 34	15	1	3	19	31.3	46	25	33	104	29.4	52	44	51	147	29.4
25/ 29	2		0	2	26.5	28	9	14	51	24.7	48	39	40	127	24.5
20/ 24	0			0	22.7	7	2	3	12	20.3	22	17	19	58	19.9
15/ 19						4	1	1	6	16	23	14	16	53	15.9
10/ 14						1	0	0	1	11.5	11	4	7	22	10.8
5/ 9											4	2	2	8	6.4
0/ 4											2	1	1	4	1.5
-5/ -1											1	0	0	1	-3
-10/ -6											0	0	0	0	-7.1
-15/-11											0	0		0	-11.8
-20/-16															
-25/-21															

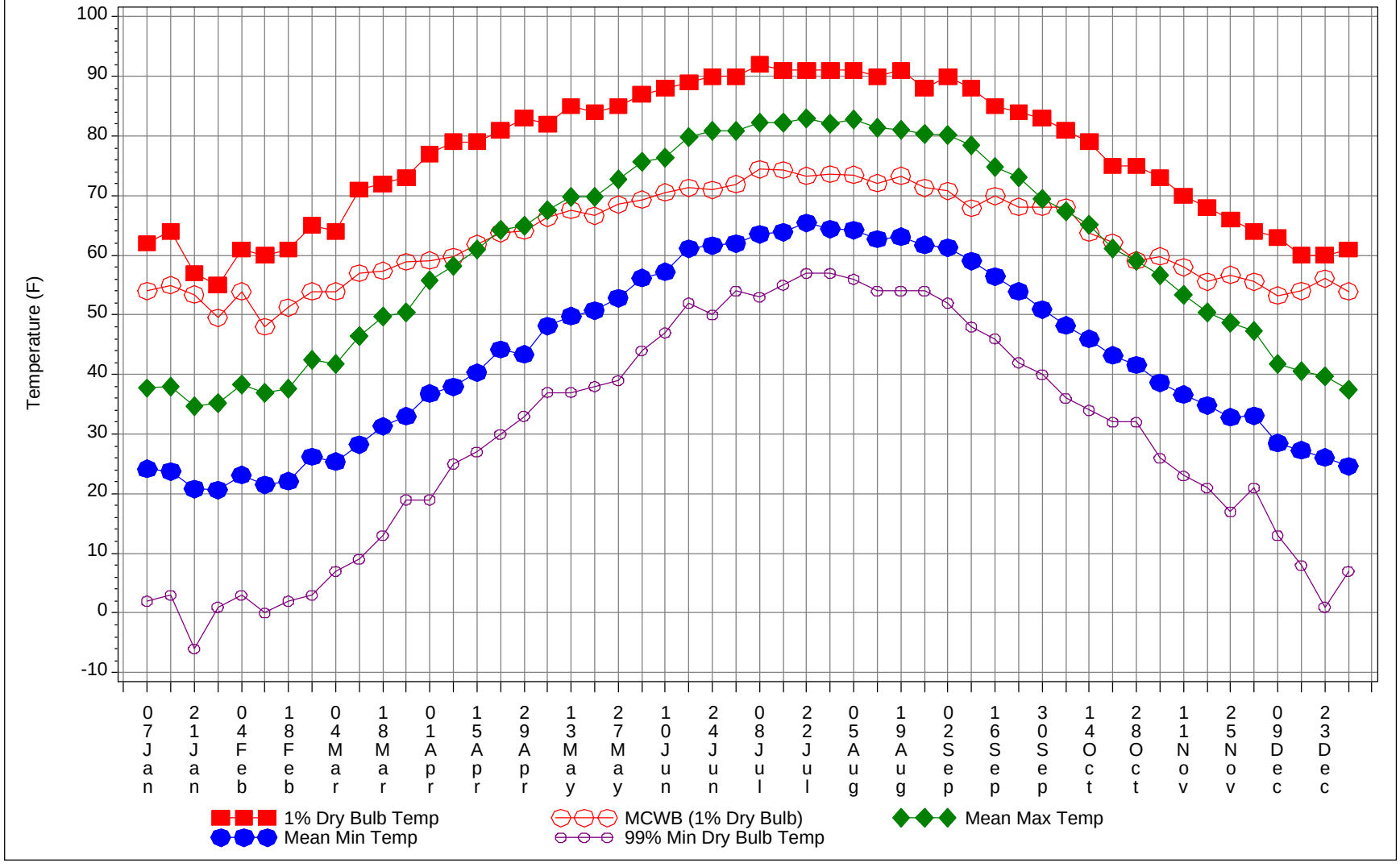
Caution: This summary reflects the typical distribtion of temperature in a typical year. It does not reflect the typical mositure distribution. Because wet bulb temperatures are averaged, this summary understates the annual moisture load. For accurate moisture load data, see the long-term humidity summary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

Dry-Bulb Temperature Hours For An Average Year

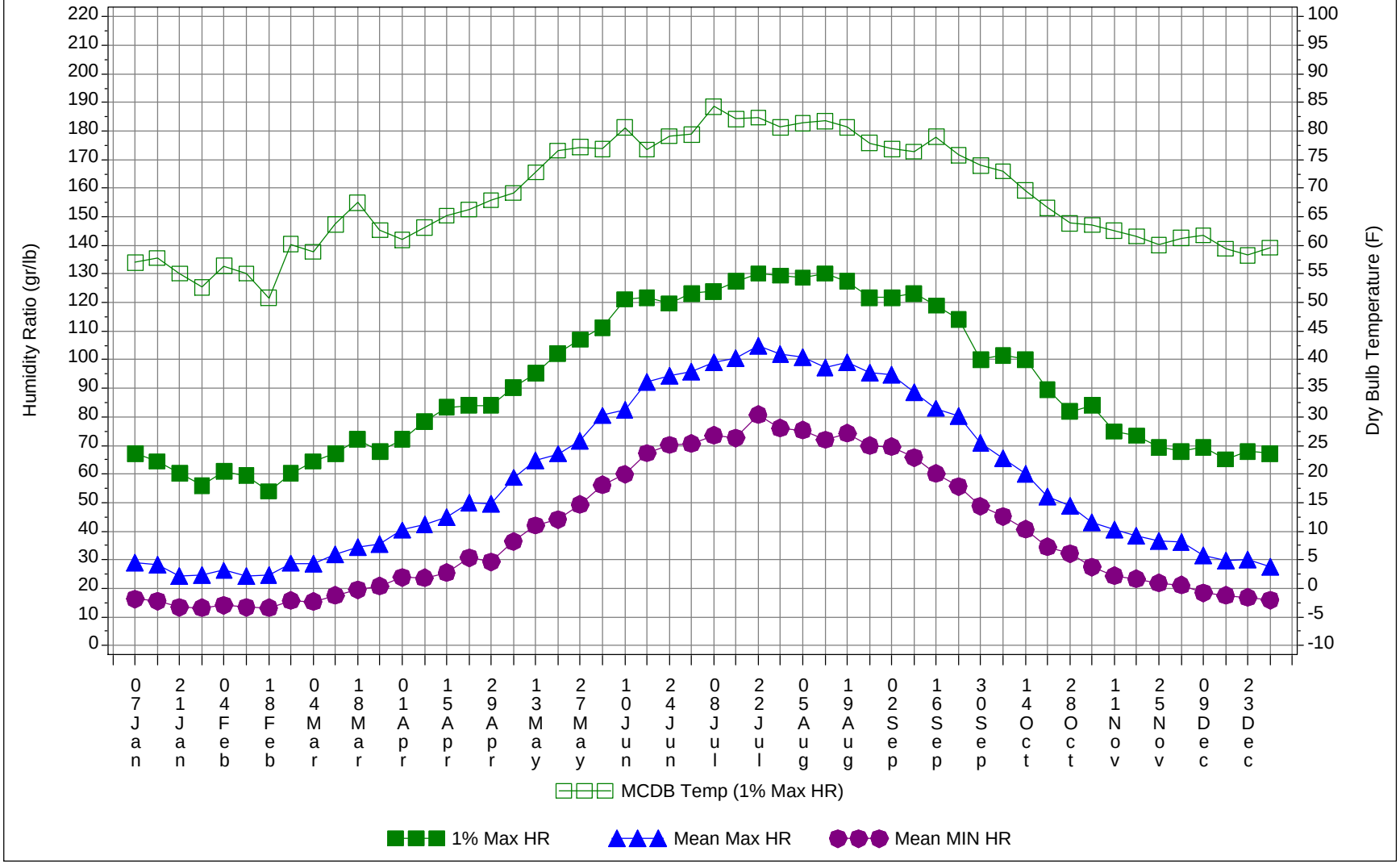
	Annual				
Temperature Range (°F)	**01 To 08 LST**	**09 To 16 LST**	**17 to 00 LST**	**Total Obs**	**MCWB (°F)**
100/104		0		0	77
95/ 99		3	1	4	74.3
90/ 94	0	28	9	37	72.8
85/ 89	1	80	34	115	70.9
80/ 84	5	238	127	370	68.5
75/ 79	42	293	215	550	66.2
70/ 74	220	326	332	878	64.2
65/ 69	250	197	233	680	60.9
60/ 64	341	244	292	877	56.6
55/ 59	292	203	233	728	51.7
50/ 54	271	203	220	694	47.1
45/ 49	258	206	228	692	42.2
40/ 44	187	152	171	510	38.1
35/ 39	267	229	246	742	33.8
30/ 34	273	201	225	699	29.4
25/ 29	215	145	161	521	24.4
20/ 24	98	70	73	241	19.8
15/ 19	100	59	68	227	15.7
10/ 14	48	25	32	105	10.6
5/ 9	28	12	13	53	6.1
0/ 4	16	4	4	24	1.2
-5/ -1	4	1	1	6	-3.2
-10/ -6	2	0	0	2	-7.5
-15/-11	0	0	0	0	-12.1
-20/-16	0	0	0	0	-18.7
-25/-21	0			0	-21.6

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



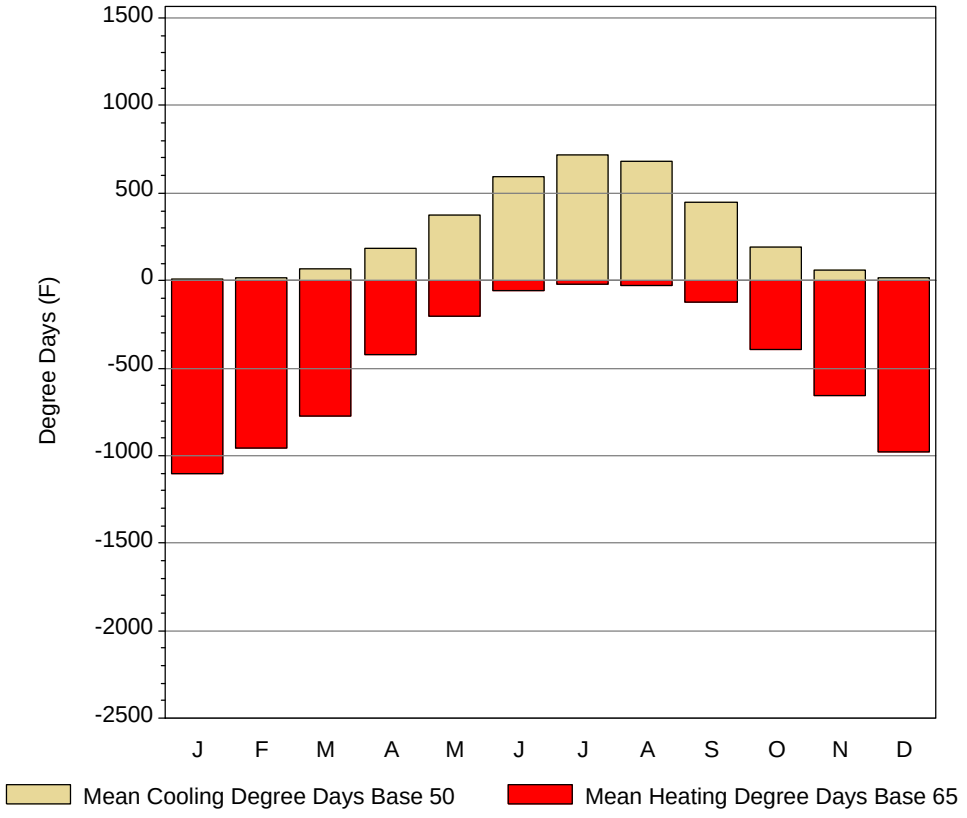
Long Term Humidity and Dry Bulb Temperature Summary



Long Term Humidity and Dry Bulb Temperature Summary

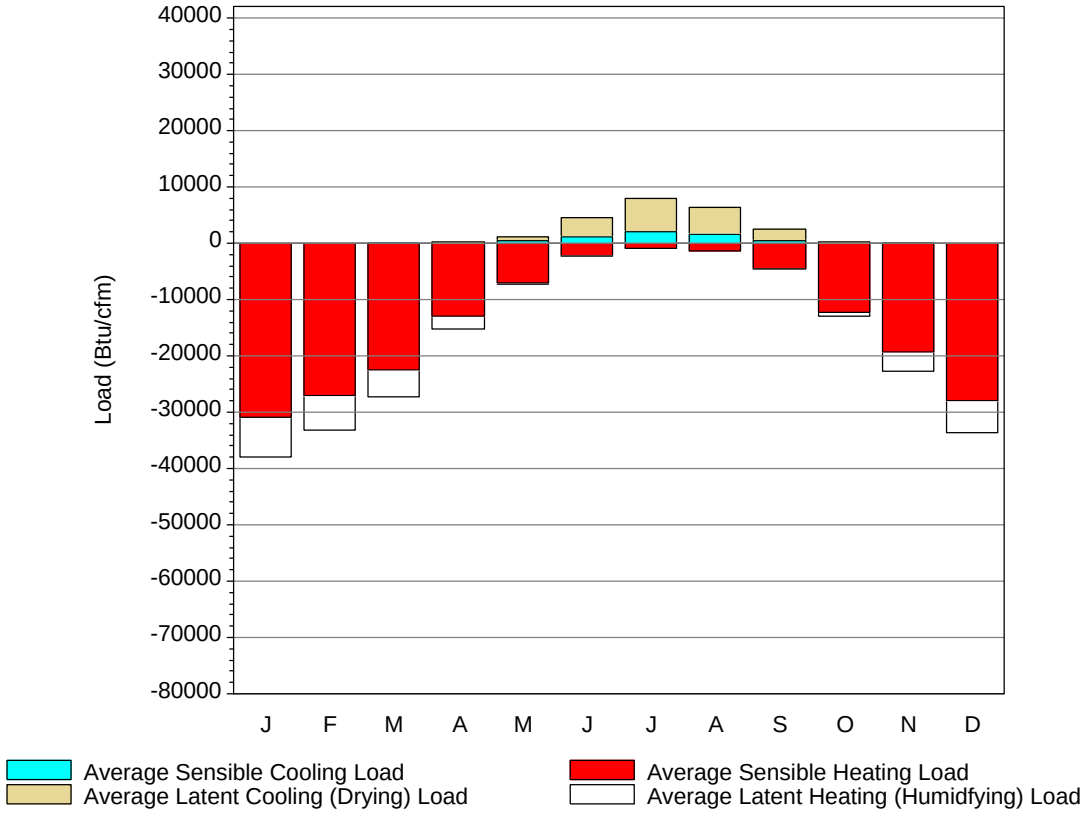
Week Ending	1.0% Temp (°F)	MCWB@ 1% Temp (°F)	Mean Max Temp (°F)	Mean Min Temp (°F)	99% Temp (°F)	1.0% HR (gr/lb)	MCDB@ 1% HR (°F)	Mean Max HR (gr/lb)	Mean Min HR (gr/lb)
7-Jan	62	54	37.7	24.2	2	67.2	57	28.9	16.3
14-Jan	64	55	38	23.7	3	64.4	57.8	28.3	15.5
21-Jan	57	53.4	34.7	20.8	-6	60.2	55.1	24.4	13.3
28-Jan	55	49.5	35.2	20.6	1	56	52.7	24.6	13.2
4-Feb	61	53.9	38.3	23.1	3	60.9	56.4	26.3	14.1
11-Feb	60	48	37	21.5	0	59.5	55.1	24.2	13.3
18-Feb	61	51.2	37.6	22.1	2	53.9	50.8	24.7	13.2
25-Feb	65	53.9	42.5	26.2	3	60.2	60.2	28.8	15.7
4-Mar	64	53.9	41.7	25.4	7	64.4	58.9	28.7	15.3
11-Mar	71	57	46.5	28.2	9	67.2	63.7	31.9	17.6
18-Mar	72	57.4	49.7	31.3	13	72.1	67.5	34.3	19.5
25-Mar	73	58.9	50.5	33	19	67.9	62.7	35.4	20.8
1-Apr	77	59.1	55.8	36.8	19	72.1	61	40.4	23.9
8-Apr	79	59.7	58.2	37.9	25	78.4	63.1	42.3	23.6
15-Apr	79	61.9	60.9	40.3	27	83.3	65.2	45	25.5
22-Apr	81	63.7	64.2	44.2	30	84	66.3	49.9	30.7
29-Apr	83	64.1	64.9	43.4	33	84	67.9	49.6	29.3
6-May	82	66.3	67.6	48.1	37	90.3	69.2	58.8	36.4
13-May	85	67.6	69.8	49.8	37	95.2	72.8	64.9	42
20-May	84	66.6	69.8	50.7	38	102.2	76.6	67.1	44.1
27-May	85	68.5	72.8	52.8	39	107.1	77.2	71.7	49.4
4-Jun	87	69.3	75.6	56.2	44	111.3	76.9	80.5	56.2
10-Jun	88	70.5	76.4	57.2	47	121.1	80.6	82.6	59.9
17-Jun	89	71.3	79.9	61.1	52	121.8	76.8	92.1	67.3
24-Jun	90	71	80.8	61.6	50	119.7	79.1	94.4	70.2
1-Jul	90	71.9	80.9	62	54	123.2	79.4	95.9	70.6
8-Jul	92	74.4	82.2	63.5	53	123.9	84.3	99.2	73.5
15-Jul	91	74.3	82.3	63.9	55	127.4	82.1	100.6	72.6
22-Jul	91	73.3	83	65.4	57	130.2	82.4	104.9	80.7
29-Jul	91	73.6	82.1	64.4	57	129.5	80.7	102.1	76
5-Aug	91	73.5	82.8	64.2	56	128.8	81.4	100.8	75.4
12-Aug	90	72.1	81.4	62.7	54	130.2	81.8	97.2	72
19-Aug	91	73.3	81.1	63.1	54	127.4	80.7	99	74.2
26-Aug	88	71.3	80.3	61.7	54	121.8	77.9	95.6	70
2-Sep	90	70.8	80.2	61.3	52	121.8	76.9	94.8	69.5
9-Sep	88	67.9	78.4	59	48	123.2	76.4	88.7	65.7
16-Sep	85	69.9	74.8	56.4	46	119	79	83	60.1
23-Sep	84	68.1	73	53.9	42	114.1	75.8	80.2	55.7
30-Sep	83	68.1	69.4	50.9	40	100.1	74	70.8	48.7
7-Oct	81	68	67.3	48.2	36	101.5	73	65.6	45.1
14-Oct	79	63.8	65.1	46	34	100.1	69.6	60.2	40.7
21-Oct	75	62.1	61.1	43.2	32	89.6	66.6	52.2	34.5
28-Oct	75	59.1	59.1	41.6	32	81.9	63.9	48.8	32.1
4-Nov	73	59.8	56.6	38.6	26	84	63.6	43.2	27.4
11-Nov	70	58	53.4	36.6	23	74.9	62.6	40.5	24.4
18-Nov	68	55.6	50.5	34.8	21	73.5	61.6	38.4	23.3
25-Nov	66	56.7	48.7	32.8	17	69.3	60.1	36.7	21.9
2-Dec	64	55.6	47.3	33.1	21	67.9	61.3	36.3	21.2
9-Dec	63	53.2	41.8	28.5	13	69.3	61.8	31.4	18.4
16-Dec	60	54	40.5	27.3	8	65.1	59.4	29.8	17.5
23-Dec	60	56.1	39.7	26.1	1	67.9	58.3	30.1	16.8
31-Dec	61	53.9	37.5	24.6	7	67.2	59.6	27.6	15.9

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	12.2	0.2	1101
FEB	13.6	0.4	953.8
MAR	65.6	7.7	774.7
APR	181.4	30.1	421.2
MAY	373	89.3	204.3
JUN	592.1	195.1	54.3
JUL	721.7	275.3	18.6
AUG	678.4	240.8	27.4
SEP	446.4	111.1	122
OCT	191.5	26.3	390.9
NOV	60.7	3	660.1
DEC	16	0.2	981
ANN	3352.6	979.5	5709.3

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	-30945	0	-7051
FEB	0	-26914	0	-6343
MAR	12	-22398	0	-4845
APR	108	-12953	31	-2229
MAY	486	-6957	653	-321
JUN	1259	-2255	3362	-2
JUL	1962	-971	6007	0
AUG	1607	-1357	4843	0
SEP	538	-4509	1971	-16
OCT	54	-12244	235	-743
NOV	1	-19394	9	-3212
DEC	0	-27835	0	-5796
ANN	6027	-168732	17111	-30558

Station Information		Shading Geometry in Dimensionless Units	
City, State, WBAN	PITTSBURGH, PA 94823	Window:	1.000
Lat, Lon, Elev	40.50N 80.22W 1224ft	Overhang:	0.548
Press, Stn_Type	14.1psia Primary	Vert Gap:	0.323

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

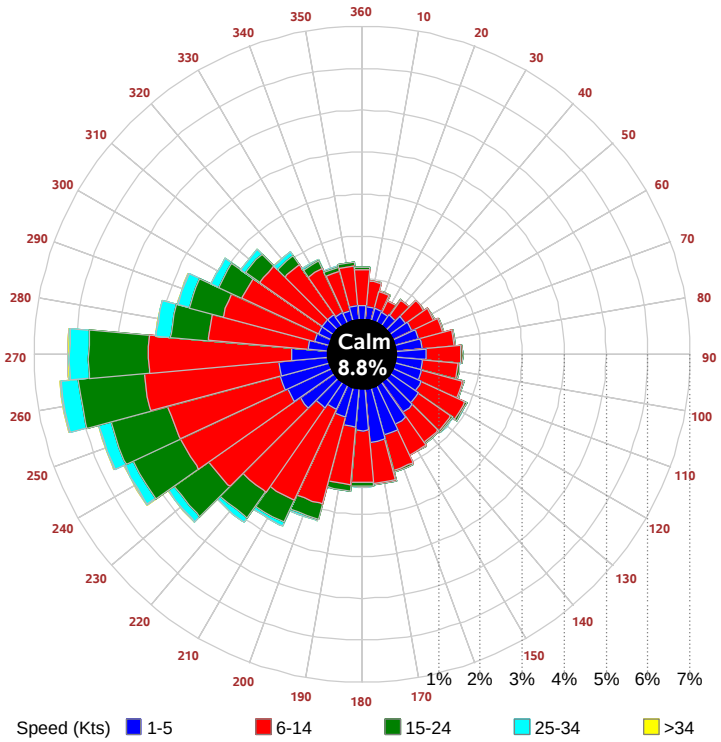
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
HORIZ.	Global	550	790	1110	1450	1730	1920	1880	1660	1330	960	580	440	1200
	Std.Dev.	43	68	83	146	148	118	133	90	104	72	59	34	36
	Minimum	430	690	960	1120	1430	1610	1670	1480	1160	790	470	370	1130
	Maximum	620	980	1340	1720	1980	2160	2120	1850	1540	1210	680	500	1280
	Diffuse	370	500	640	770	910	980	970	850	680	490	370	320	650
Clear Day	Global	860	1210	1680	2180	2480	2600	2520	2240	1800	1310	900	750	1710
NORTH	Global	200	280	360	440	550	630	600	500	390	290	210	170	390
	Diffuse	200	280	360	440	520	560	550	480	390	290	210	170	370
Clear Day	Global	190	250	330	440	580	680	630	480	360	280	200	170	380
EAST	Global	350	480	660	840	970	1050	1050	950	800	610	370	280	700
	Diffuse	240	330	430	530	620	670	660	590	490	360	250	200	450
Clear Day	Global	630	840	1080	1310	1410	1440	1410	1300	1130	880	660	570	1060
SOUTH	Global	740	880	950	900	830	800	830	930	1020	1040	740	600	850
	Diffuse	350	440	510	550	590	620	620	600	550	450	340	300	490
Clear Day	Global	1800	1890	1770	1430	1110	960	1020	1260	1590	1790	1760	1710	1510
WEST	Global	340	490	660	820	960	1050	1020	950	780	590	370	280	690
	Diffuse	240	330	440	540	620	680	670	600	490	360	250	200	450
Clear Day	Global	630	840	1080	1310	1410	1440	1410	1300	1130	880	660	570	1060

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	360	540	780	1040	1250	1390	1360	1190	950	660	390	290	850
NORTH	Unshaded	140	190	250	300	370	420	400	340	270	200	140	120	260
	Shaded	120	160	220	270	320	360	350	300	240	180	120	100	230
EAST	Unshaded	240	340	460	600	690	750	750	680	570	420	250	190	500
	Shaded	210	290	400	510	580	630	630	580	490	370	220	170	420
SOUTH	Unshaded	550	640	660	600	530	500	520	600	700	750	550	440	590
	Shaded	520	580	520	400	360	370	380	390	500	650	520	420	470
WEST	Unshaded	240	340	460	580	680	750	730	680	560	420	250	190	490
	Shaded	210	300	400	490	570	630	610	580	480	360	220	160	420

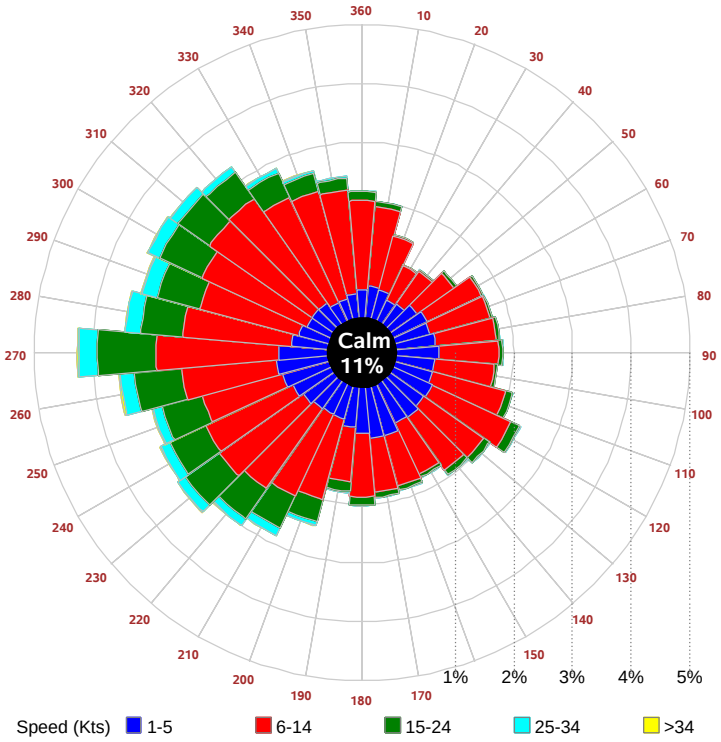
AVERAGE INCIDENT ILLUMINANCE (klux-hr) FOR MOSTLY CLEAR AND MOSTLY CLOUDY CONDITIONS Percentage Uncertainty = 9											
				March					June		
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	32	67	80	67	31	40	79	99	96	72
	M.Cloudy	18	40	48	40	19	25	53	70	71	51
NORTH	M.Clear	9	14	15	14	9	19	16	17	18	16
	M.Cloudy	8	15	17	15	8	13	17	20	20	17
EAST	M.Clear	67	61	16	14	9	70	75	39	18	16
	M.Cloudy	20	29	17	15	8	29	43	31	20	17
SOUTH	M.Clear	32	69	82	69	31	11	30	47	45	26
	M.Cloudy	13	32	39	32	13	10	23	36	36	21
WEST	M.Clear	9	14	16	61	65	11	16	17	45	75
	M.Cloudy	8	15	17	29	22	10	17	20	36	45
M.Clear	(% hrs)	24	22	24	20	23	36	32	24	22	26

				Sept					Dec		
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	21	60	81	77	50	9	35	44	30	3
	M.Cloudy	12	37	55	53	33	5	19	25	17	3
NORTH	M.Clear	7	14	17	16	13	4	9	11	9	2
	M.Cloudy	6	14	18	17	13	3	8	10	7	1
EAST	M.Clear	51	70	36	16	13	25	39	11	9	2
	M.Cloudy	15	32	27	17	13	6	14	10	7	1
SOUTH	M.Clear	15	52	74	69	42	21	70	83	61	9
	M.Cloudy	7	26	44	42	24	5	20	25	17	2
WEST	M.Clear	7	14	17	46	68	4	9	16	42	11
	M.Cloudy	6	14	18	31	34	3	8	11	14	3
M.Clear	(% hrs)	40	39	28	25	31	16	15	15	14	16

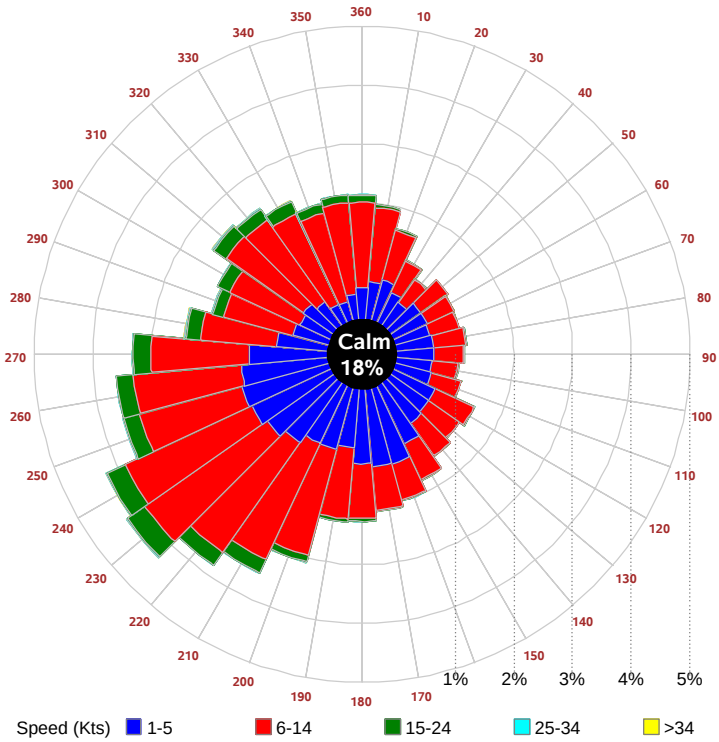
Wind Summary - December, January, and February



Wind Summary - March, April, and May



Wind Summary - June, July, and August



Wind Summary - September, October, and November