

JAMES M COX DAYTON INTL, OH

Latitude = 39.90 N

Longitude = 84.22 W

Period of Record = 1988 To 2017

Station ID = ICAO_KDAY

Elevation = 1009 Feet

Average Pressure = 28.98 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	93	74	103	10.5	WSW
0.4% Occurrence	91	73	101	10.6	WSW
1.0% Occurrence	88	73	101	9.9	SW
2.0% Occurrence	86	72	98	9.5	SW
Mean Daily Range	17	-	-	-	W
97.5% Occurrence	15	14	9	10.1	W
99.0% Occurrence	8	7	6	9.4	W
99.6% Occurrence	1	0	4	9.4	W
Median of Extreme Lows	-5	-6	3	8.9	W

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	79	90	133	11.1	WSW
0.4% Occurrence	76	85	122	10.2	SW
1.0% Occurrence	75	84	119	9.7	SW
2.0% Occurrence	74	82	116	9.3	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	140	86	0.9	8.3	SW
0.4% Occurrence	129	82	0.83	10.2	SW
1.0% Occurrence	123	80	0.79	9.3	SW
2.0% Occurrence	119	79	0.77	8.5	SW

Air Conditioning/ Humid Area Criteria	Threshold	T ≥ 93 °F	T ≥ 80 °F	Twb ≥ 73 °F	Twb ≥ 67 °F
	# of Hours	25	629	303	1310

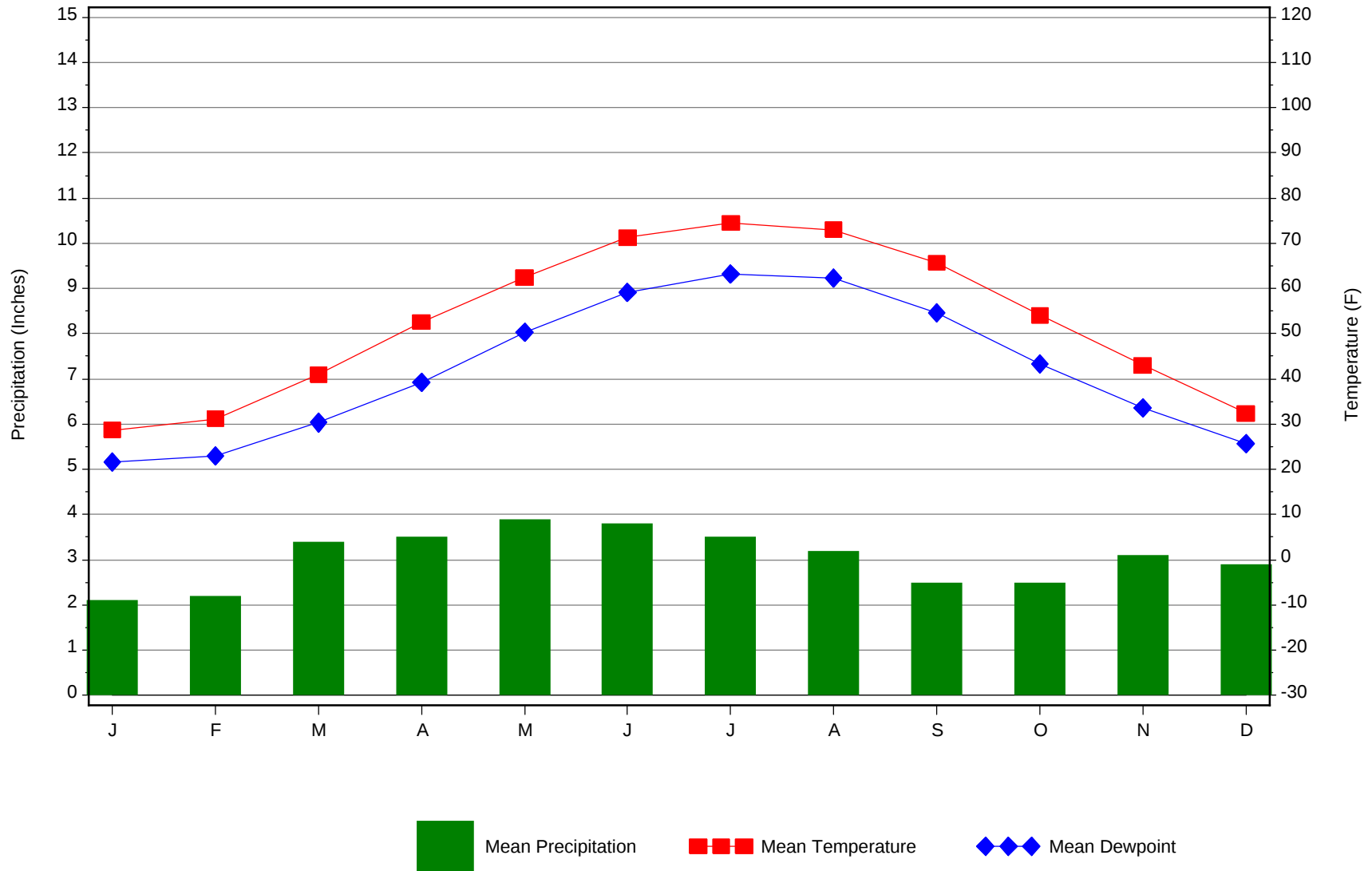
Other Site Data

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	2.9	90	1.9 + 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 (#)
55.1	49	11	55

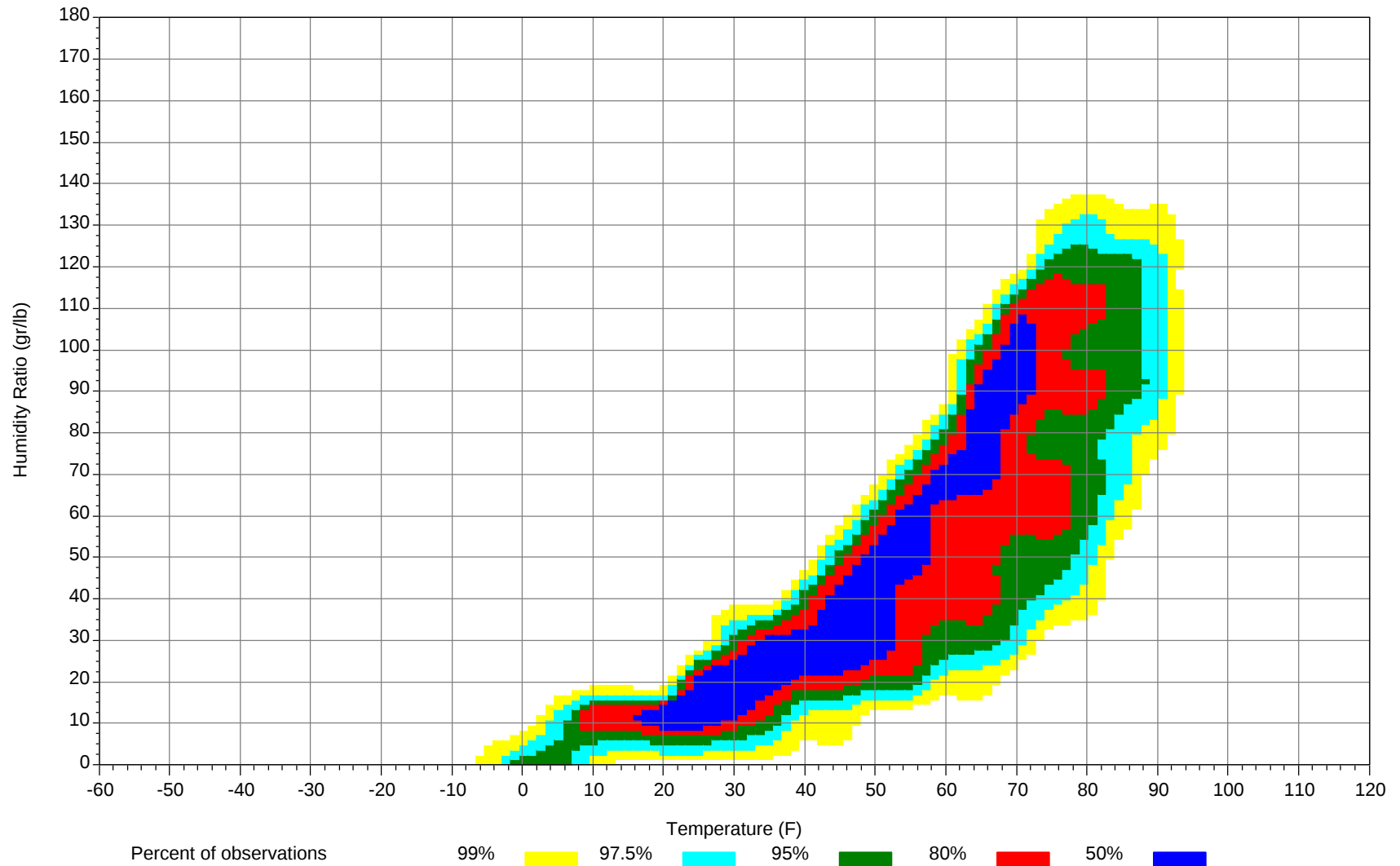
*Note: Temperatures at greater depths can be estimated by adding 1.5°F per 100 feet additional depth.



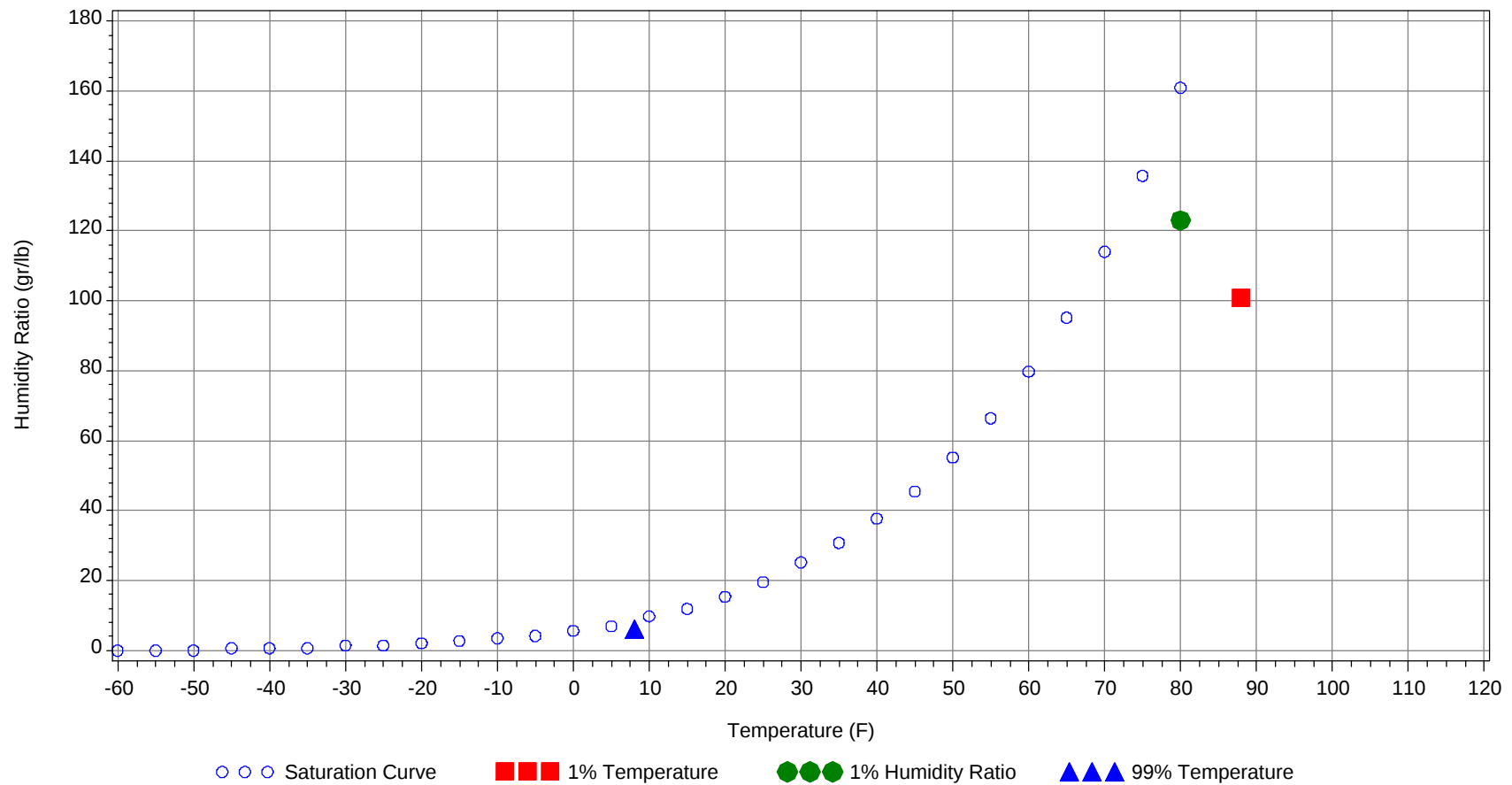
Average Annual Climate



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		73		101.0	36.8
99.0% Dry Bulb	8.0				6.0	2.8
1.0% Humidity Ratio	123.0	80.0	74.4	72.0		38.5

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															
85/ 89															
80/ 84												1	0	1	63.2
75/ 79												2	1	3	61.9
70/ 74							1	0	1	59.4	0	8	5	13	58.5
65/ 69	0	0		0	58.2		1	0	1	57.3	2	8	7	17	56.4
60/ 64	1	4	2	7	57.1	1	4	3	8	53.5	8	18	14	40	53.8
55/ 59	5	6	6	17	53.6	4	6	6	16	50.8	13	20	19	52	50.4
50/ 54	7	9	8	24	48.5	6	13	10	29	46.4	17	26	25	68	46
45/ 49	11	15	15	41	42.9	10	19	17	46	41.4	21	34	34	89	41.5
40/ 44	10	17	15	42	38.9	11	18	18	47	37.9	22	28	27	77	37.8
35/ 39	22	37	33	92	34.2	27	35	32	94	33.9	43	40	43	126	33.6
30/ 34	48	46	49	143	29.8	44	43	47	134	29.5	47	35	36	118	29.3
25/ 29	45	40	39	124	24.7	43	36	40	119	24.6	39	18	24	81	24.5
20/ 24	24	24	23	71	20	26	19	18	63	20.1	17	6	8	31	20
15/ 19	31	25	27	83	15.9	24	14	15	53	15.7	13	3	4	20	16
10/ 14	17	12	16	45	10.7	11	8	8	27	10.5	4	1	1	6	10.6
5/ 9	12	7	8	27	6.2	8	4	5	17	5.8	1	0	0	1	5.8
0/ 4	8	4	5	17	1	6	2	3	11	1.1	0			0	1.3
-5/ -1	3	1	1	5	-3.3	3	0	0	3	-3.1					
-10/ -6	2	1	1	4	-7.6	0	0		0	-6.6					
-15/-11	1	0	0	1	-12.2										
-20/-16	0	0	0	0	-17										
-25/-21	0	0	0	0	-22.2										

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	75.4
95/ 99												1	0	1	73.9
90/ 94							1	0	1	70.2		8	2	10	72.2
85/ 89		0		0	64.5		6	2	8	69.7	0	25	11	36	71.2
80/ 84		4	1	5	64.2		27	13	40	67.6	1	56	33	90	69.2
75/ 79		13	6	19	61.9	2	32	24	58	65.2	15	54	48	117	66.9
70/ 74	2	24	16	42	58.8	17	44	39	100	62.4	62	52	68	182	65.2
65/ 69	7	22	19	48	56.5	27	33	34	94	59.9	53	21	35	109	62.3
60/ 64	21	40	37	98	54	51	46	50	147	56.3	58	16	27	101	58
55/ 59	31	38	38	107	50.1	43	31	37	111	51.7	32	5	11	48	53.4
50/ 54	35	34	38	107	46	50	19	31	100	48	15	1	4	20	49.4
45/ 49	41	29	36	106	41.8	40	9	15	64	43.4	3	0	0	3	44.9
40/ 44	33	16	21	70	38.1	13	1	3	17	39.4	1		0	1	41.2
35/ 39	40	15	19	74	34.3	6	0	1	7	35.2					
30/ 34	20	4	8	32	29.7	1		0	1	31					
25/ 29	8	1	2	11	25.1										
20/ 24	1		0	1	20.2										
15/ 19	0		0	0	16.7										
10/ 14															
5/ 9															
0/ 4															
-5/ -1															
-10/ -6															
-15/-11															
-20/-16															
-25/-21															

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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	73.6		0	0	0	79					
95/ 99		3	1	4	74.2		1	0	1	75.1		0	0	0	72.5
90/ 94		17	6	23	75		13	3	16	74.2		4	1	5	69.8
85/ 89	0	33	15	48	73.1		29	11	40	73		10	3	13	70.4
80/ 84	5	73	49	127	70.7	1	67	40	108	70.3	0	32	14	46	68
75/ 79	30	65	66	161	68.6	20	69	61	150	68.4	3	43	28	74	65.6
70/ 74	87	43	69	199	66.9	68	48	73	189	66.6	26	56	51	133	64.1
65/ 69	56	11	26	93	63.2	60	15	34	109	63.3	35	35	39	109	61.4
60/ 64	50	4	14	68	59.1	65	6	22	93	59.4	54	36	50	140	57.6
55/ 59	17	0	1	18	54.5	26	0	4	30	54.9	51	16	29	96	53.3
50/ 54	3			3	50.3	7		0	7	51	40	6	17	63	49.4
45/ 49	0			0	43	0			0	47.2	23	2	6	31	44.7
40/ 44											5	0	1	6	40.3
35/ 39											2		0	2	36.4
30/ 34											0			0	32.5
25/ 29															
20/ 24															
15/ 19															
10/ 14															
5/ 9															
0/ 4															
-5/ -1															
-10/ -6															
-15/-11															
-20/-16															
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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

	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	0			0	83										
85/ 89	0	1	0	1	69.2										
80/ 84	0	5	1	6	66.4										
75/ 79	0	15	5	20	63.7		1	0	1	62.4					
70/ 74	2	28	18	48	61.4		4	1	5	59.8		0	0	0	62.8
65/ 69	9	26	21	56	59	1	8	4	13	57.8	0	1	1	2	60.3
60/ 64	26	43	39	108	55.6	9	21	15	45	55.7	2	3	3	8	57
55/ 59	32	42	39	113	51.1	14	26	21	61	51.1	5	7	6	18	52.9
50/ 54	44	38	43	125	47.1	24	34	28	86	46.6	11	14	11	36	48.3
45/ 49	49	32	44	125	42.8	30	42	40	112	42.1	12	24	20	56	42.9
40/ 44	34	10	21	65	39.1	27	30	32	89	38.4	16	24	19	59	38.8
35/ 39	36	7	15	58	35.1	47	35	44	126	34.1	34	46	45	125	34.4
30/ 34	14	1	2	17	31	44	25	31	100	29.5	49	44	52	145	29.9
25/ 29	2	0	0	2	26.1	30	11	17	58	24.9	50	38	40	128	25
20/ 24	0			0	23	8	2	4	14	20.3	23	19	20	62	20.3
15/ 19						4	1	1	6	16.4	23	15	18	56	16.1
10/ 14						2	0	0	2	11.2	12	7	7	26	11
5/ 9											5	3	3	11	6.4
0/ 4											4	1	2	7	1.2
-5/ -1											1	0	1	2	-2.8
-10/ -6											1	0	0	1	-6.6
-15/-11											0	0	0	0	-12.6
-20/-16											0	0	0	0	-17.7
-25/-21															

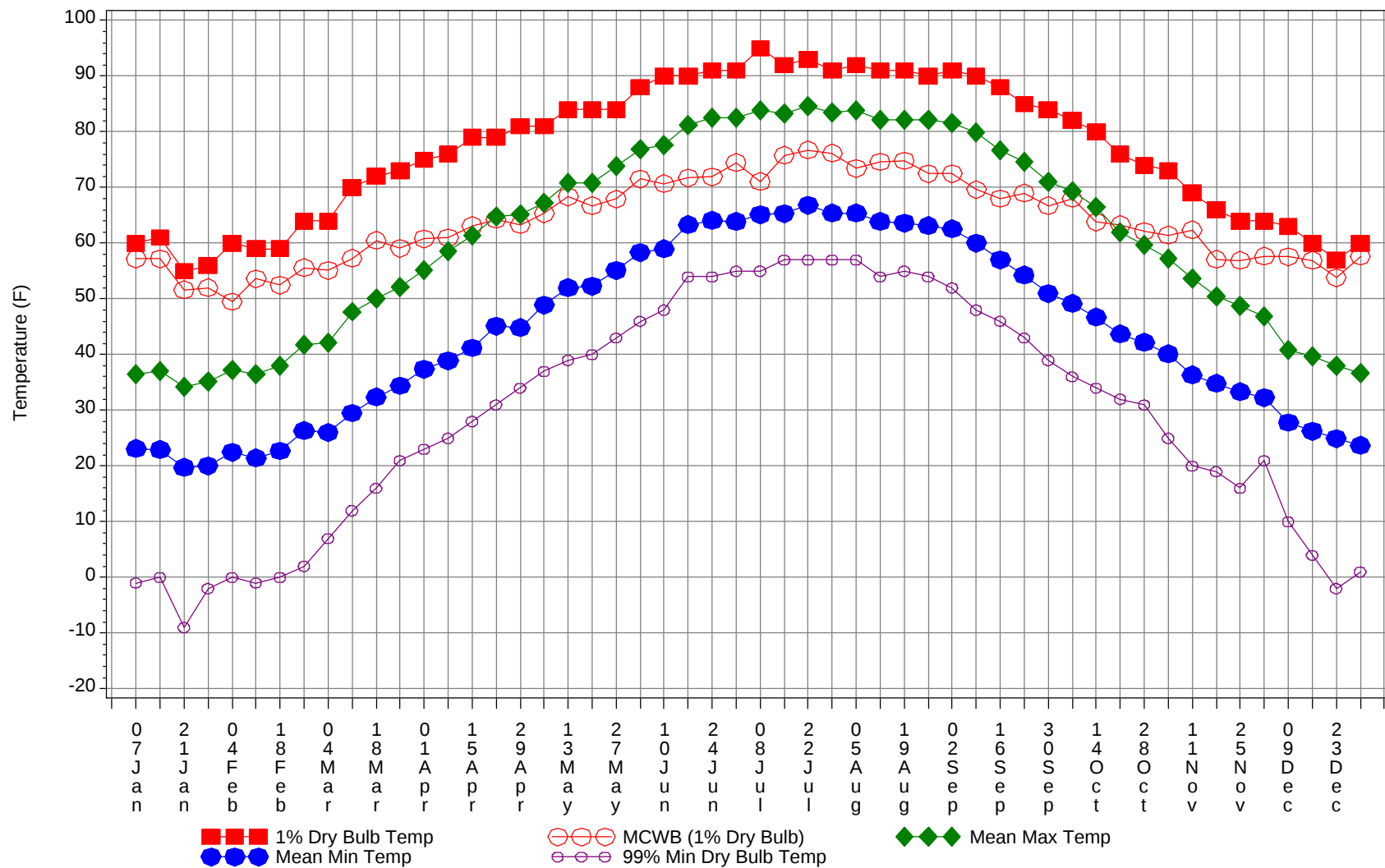
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Dry-Bulb Temperature Hours For An Average Year

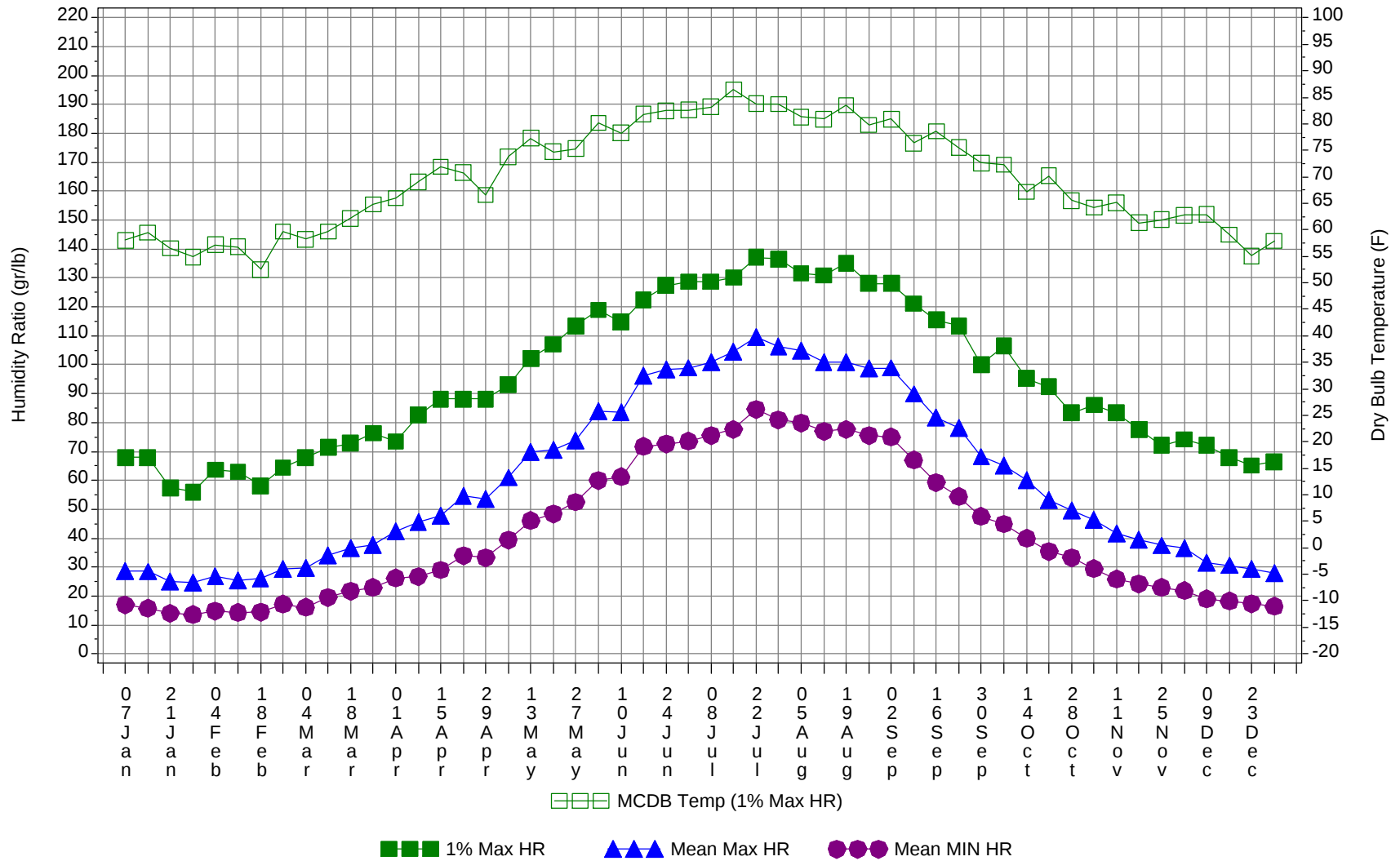
Temperature Range (° F)	Annual				
	01 To 08 LST	09 To 16 LST	17 to 00 LST	Total Obs	M C W B (° F)
100/104		0	0	0	74.9
95/ 99		5	2	7	74.1
90/ 94	0	42	13	55	73.7
85/ 89	0	104	41	145	72.2
80/ 84	7	264	150	421	69.5
75/ 79	69	293	239	601	67.1
70/ 74	265	306	341	912	64.8
65/ 69	250	182	220	652	61.1
60/ 64	345	241	275	861	56.7
55/ 59	271	196	218	685	51.8
50/ 54	258	195	214	667	47.3
45/ 49	241	206	226	673	42.4
40/ 44	173	146	158	477	38.5
35/ 39	258	215	232	705	34.2
30/ 34	267	199	225	691	29.7
25/ 29	218	144	162	524	24.8
20/ 24	101	71	74	246	20.1
15/ 19	96	58	67	221	16
10/ 14	45	28	32	105	10.7
5/ 9	26	14	17	57	6.1
0/ 4	18	7	9	34	1
-5/ -1	8	2	2	12	-3.1
-10/ -6	3	1	1	5	-7.3
-15/-11	1	0	0	1	-12.3
-20/-16	0	0	0	0	-17.4
-25/-21	0	0	0	0	-22.2

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Annual Summary of Temperatures



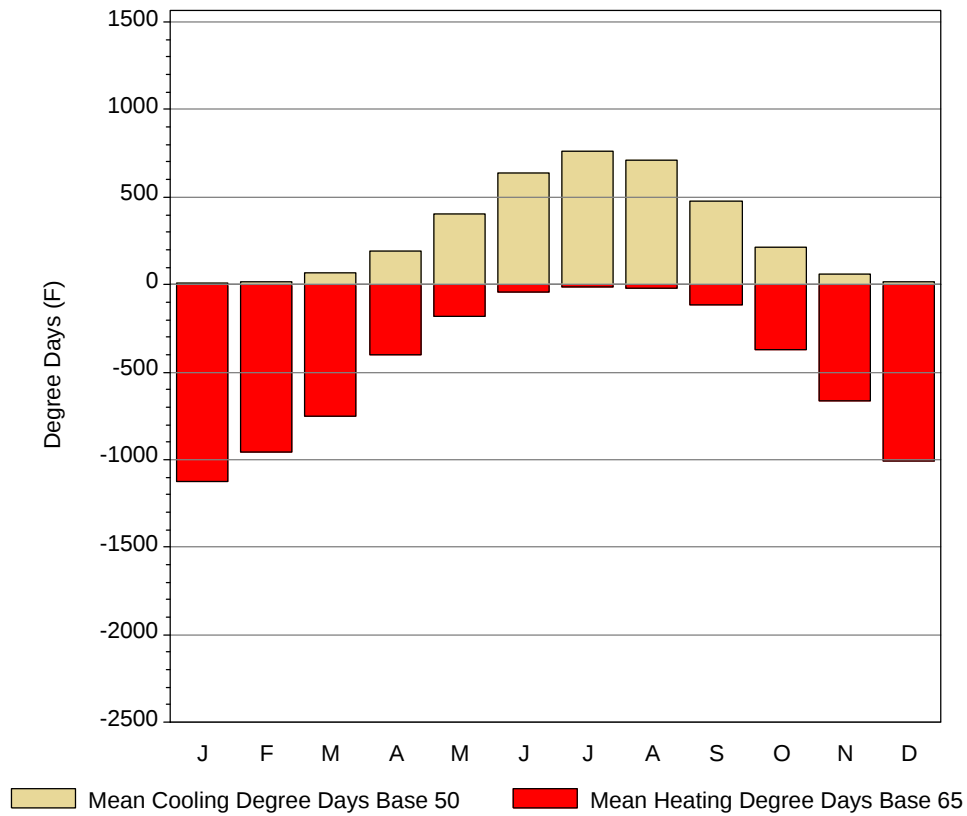
Long Term Humidity and Dry Bulb Temperature Summary



Long Term Humidity and Dry Bulb Temperature Summary

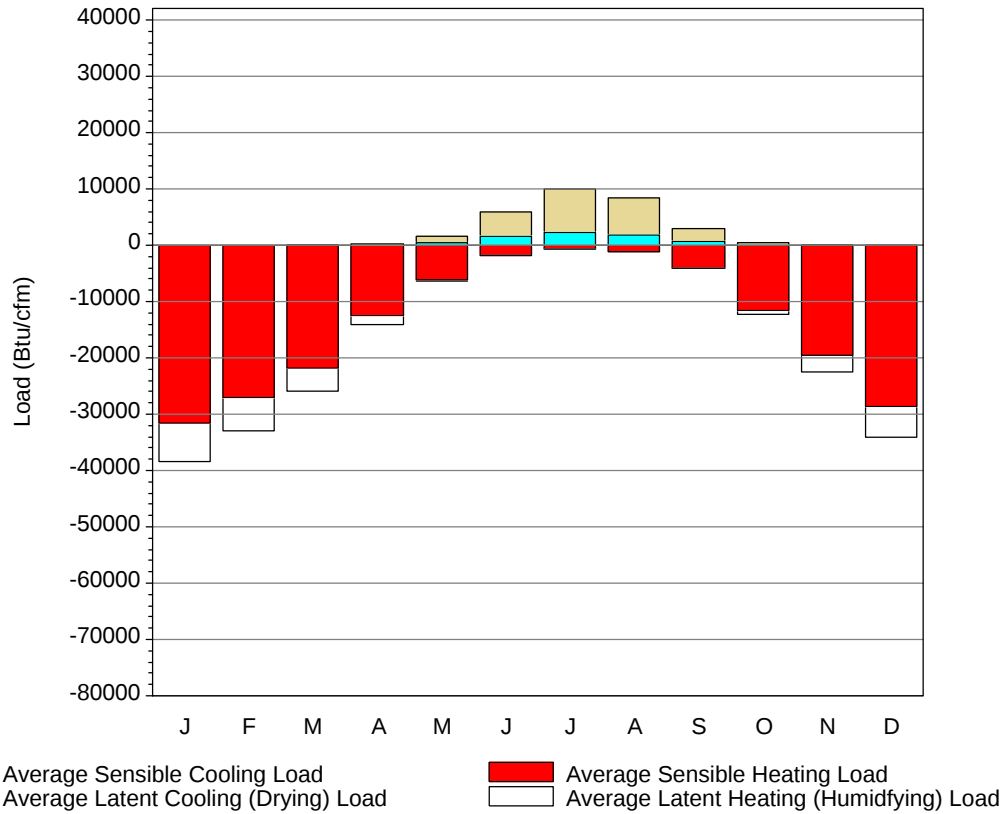
Week Ending	1.0% Temp (° F)	MCWB@ 1% Temp (° F)	Mean Max Temp (° F)	Mean Min Temp (° F)	99% Temp (° F)	1.0% HR (gr/lb)	MCDB@ 1% HR (° F)	Mean Max HR (gr/lb)	Mean Min HR (gr/lb)
7-Jan	60	57.2	36.4	23.1	-1	67.9	58	28.6	16.9
14-Jan	61	57.2	37.1	22.9	0	67.9	59.5	28.5	15.8
21-Jan	55	51.6	34.2	19.7	-9	57.4	56.5	25	14
28-Jan	56	52	35.2	20	-2	56	54.9	24.7	13.5
4-Feb	60	49.5	37.2	22.5	0	63.7	57.2	26.8	14.8
11-Feb	59	53.6	36.4	21.4	-1	63	56.8	25.3	14.3
18-Feb	59	52.5	38	22.7	0	58.1	52.5	26	14.4
25-Feb	64	55.6	41.7	26.3	2	64.4	59.7	29.4	17.1
4-Mar	64	55.1	42.2	26	7	67.9	58.2	29.6	16.1
11-Mar	70	57.3	47.7	29.5	12	71.4	59.7	34.2	19.5
18-Mar	72	60.5	50	32.4	16	72.8	62.2	36.5	21.7
25-Mar	73	59.1	52.1	34.4	21	76.3	64.8	37.6	23
1-Apr	75	60.8	55.2	37.4	23	73.5	66	42.3	26.2
8-Apr	76	61	58.5	38.9	25	82.6	69.1	45.7	26.7
15-Apr	79	63.1	61.4	41.2	28	88.2	71.9	47.9	29
22-Apr	79	64.3	64.7	45.1	31	88.2	70.8	54.6	34
29-Apr	81	63.3	65.1	44.8	34	88.2	66.6	53.5	33.2
6-May	81	65.3	67.3	48.9	37	93.1	73.8	61	39.4
13-May	84	68.3	70.9	52	39	102.2	77.3	69.8	46.1
20-May	84	66.7	70.9	52.3	40	107.1	74.7	70.7	48.5
27-May	84	67.9	73.8	55.1	43	113.4	75.3	73.9	52.5
4-Jun	88	71.5	76.8	58.3	46	119	80.2	84	60
10-Jun	90	70.7	77.7	59	48	114.8	78.3	83.7	61.2
17-Jun	90	71.7	81.2	63.3	54	122.5	81.8	96.1	71.8
24-Jun	91	71.9	82.5	64.1	54	127.4	82.5	98.4	72.7
1-Jul	91	74.5	82.5	63.9	55	128.8	82.6	98.9	73.6
8-Jul	95	71.1	83.8	65.1	55	128.8	83.2	100.9	75.6
15-Jul	92	75.8	83.3	65.3	57	130.2	86.5	104.5	77.6
22-Jul	93	76.7	84.6	66.8	57	137.2	83.8	109.5	84.5
29-Jul	91	76.2	83.4	65.4	57	136.5	83.7	106.3	81
5-Aug	92	73.4	83.8	65.4	57	131.6	81.3	104.8	79.9
12-Aug	91	74.6	82.1	63.9	54	130.9	80.9	100.8	76.9
19-Aug	91	74.8	82.1	63.6	55	135.1	83.5	101	77.6
26-Aug	90	72.5	82.1	63.1	54	128.1	79.8	98.8	75.5
2-Sep	91	72.5	81.6	62.6	52	128.1	80.9	98.9	75
9-Sep	90	69.6	79.8	60	48	121.1	76.4	89.9	67
16-Sep	88	68	76.6	57	46	115.5	78.6	81.7	59.2
23-Sep	85	69	74.6	54.3	43	113.4	75.5	78.2	54.4
30-Sep	84	66.7	71	51	39	100.1	72.6	68.2	47.5
7-Oct	82	68	69.3	49.2	36	106.4	72.3	65.1	44.9
14-Oct	80	63.8	66.5	46.7	34	95.2	67.2	60	40
21-Oct	76	63.3	62	43.7	32	92.4	70.2	53.3	35.4
28-Oct	74	62.1	59.7	42.2	31	83.3	65.5	49.6	33.3
4-Nov	73	61.4	57.3	40.1	25	86.1	64.2	46.4	29.5
11-Nov	69	62.4	53.6	36.3	20	83.3	65.1	41.7	25.8
18-Nov	66	57.1	50.5	34.8	19	77.7	61.3	39.5	24.2
25-Nov	64	56.9	48.8	33.3	16	72.1	61.9	37.5	22.9
2-Dec	64	57.7	46.9	32.3	21	74.2	62.8	36.5	21.9
9-Dec	63	57.6	40.8	27.8	10	72.1	62.9	31.6	19
16-Dec	60	56.9	39.7	26.2	4	67.9	59.1	30.6	18.3
23-Dec	57	53.8	38	24.9	-2	65.1	55.1	29.5	17.3
31-Dec	60	57.7	36.7	23.7	1	66.5	57.9	28	16.5

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	10	0	1125.7
FEB	12.9	0.4	956
MAR	68.2	6.9	750.4
APR	189	28.1	400.9
MAY	402.4	98.7	178.8
JUN	638.7	227.7	39.5
JUL	759.7	308.3	13.7
AUG	711.2	268.8	22.6
SEP	476.5	132.1	112.7
OCT	210.3	31.2	368.2
NOV	60.7	2.4	662.5
DEC	12.9	0.1	1011.2
ANN	3552.5	1104.7	5642.2

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	-31589	0	-6793
FEB	0	-26971	0	-5852
MAR	10	-21776	3	-4135
APR	75	-12424	64	-1574
MAY	515	-6204	1145	-200
JUN	1582	-1720	4371	-7
JUL	2394	-747	7741	-1
AUG	1925	-1135	6533	-1
SEP	747	-4158	2219	-25
OCT	83	-11616	293	-733
NOV	1	-19466	16	-2924
DEC	0	-28617	2	-5514
ANN	7332	-166423	22387	-27759

Station Information		Shading Geometry in Dimensionless Units	
City, State, WBAN	DAYTON, OH 93815	Window:	1.000
Lat, Lon, Elev	39.90N 84.22W 1004ft	Overhang:	0.531
Press, Stn_Type	14.2psia Secondary	Vert Gap:	0.320

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	600	830	1130	1500	1790	1970	1910	1730	1400	1010	620	480	1250
	Std.Dev.	48	78	72	142	145	116	109	107	97	85	64	43	38
	Minimum	500	670	1010	1210	1490	1770	1710	1460	1220	820	480	390	1190
	Maximum	730	1030	1280	1800	2080	2250	2090	1960	1600	1270	740	570	1320
	Diffuse	350	460	610	730	840	880	860	760	610	450	360	310	600
Clear Day	Global	890	1240	1720	2200	2510	2620	2540	2260	1840	1340	940	780	1740
NORTH	Global	200	270	350	440	550	620	590	480	380	290	210	170	380
	Diffuse	200	270	350	430	500	540	520	460	380	290	210	170	360
Clear Day	Global	190	250	330	430	580	680	620	470	360	270	200	170	380
EAST	Global	380	520	680	880	1020	1090	1070	990	840	640	400	310	740
	Diffuse	240	320	430	520	600	640	630	570	470	350	250	210	440
Clear Day	Global	670	870	1120	1330	1420	1450	1420	1330	1150	910	690	590	1080
SOUTH	Global	870	970	960	920	840	790	820	950	1090	1120	820	710	900
	Diffuse	350	420	490	540	570	580	580	570	520	440	340	300	480
Clear Day	Global	1870	1930	1790	1420	1090	940	990	1250	1600	1830	1820	1780	1520
WEST	Global	400	530	670	850	990	1080	1070	1000	840	630	390	310	730
	Diffuse	250	330	430	530	610	650	640	580	480	360	250	210	440
Clear Day	Global	670	870	1120	1330	1420	1450	1420	1330	1150	910	690	590	1080

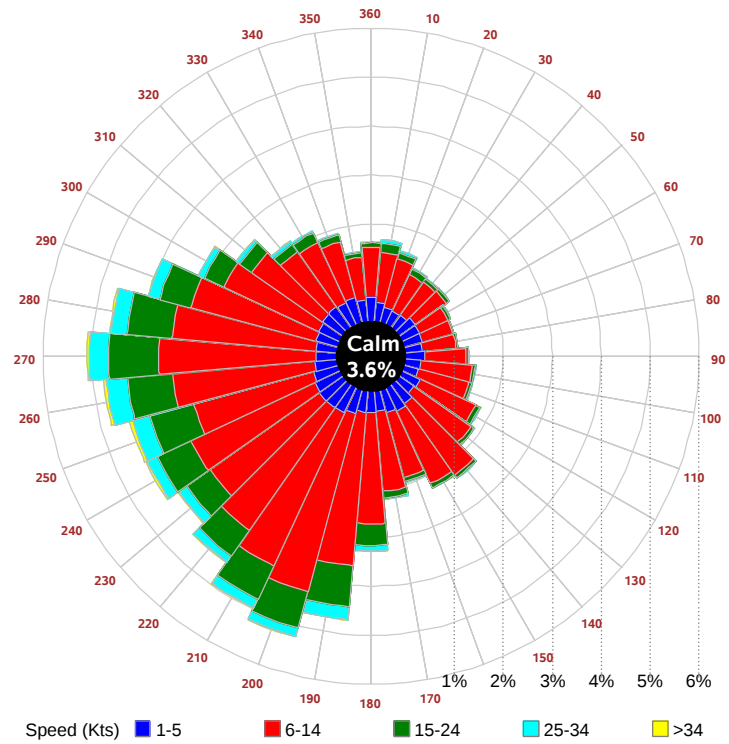
Average Annual Solar Radiation - Nearest Available Site Source: National Renewable Energy Laboratory, Golden CO, 1995

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	390	570	800	1070	1290	1430	1390	1250	1000	700	410	320	890
NORTH	Unshaded	140	190	240	300	360	410	390	330	260	200	150	120	260
	Shaded	120	160	210	270	320	360	340	290	240	180	130	100	230
EAST	Unshaded	260	370	480	630	720	780	760	710	600	450	280	210	520
	Shaded	230	320	420	540	620	660	650	610	520	400	240	190	450
SOUTH	Unshaded	650	710	670	600	520	480	500	600	730	800	610	530	620
	Shaded	630	650	530	400	350	360	360	390	530	700	580	510	500
WEST	Unshaded	270	370	470	600	700	770	760	710	600	450	270	210	520
	Shaded	240	320	410	520	600	650	650	610	520	390	240	190	450

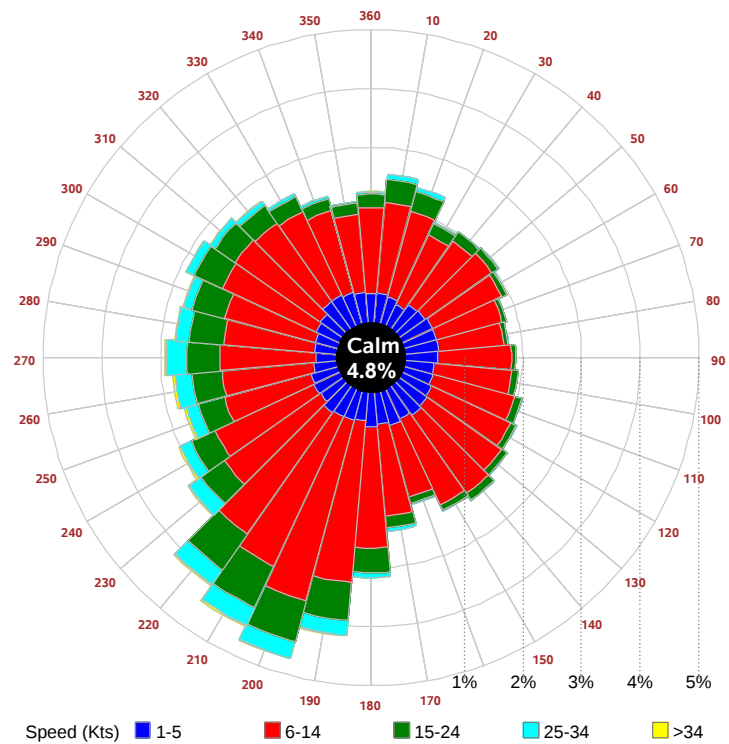
AVERAGE INCIDENT ILLUMINANCE (klux-hr) FOR MOSTLY CLEAR AND MOSTLY CLOUDY CONDITIONS Percentage Uncertainty = 9												
		March					June					
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm	
HORIZ.	M.Clear	27	65	81	71	38	35	75	98	98	77	
	M.Cloudy	15	37	48	42	22	22	50	70	70	54	
NORTH	M.Clear	8	13	15	14	10	21	16	17	17	16	
	M.Cloudy	7	14	17	15	9	12	16	19	19	17	
EAST	M.Clear	64	66	22	14	10	68	79	45	17	16	
	M.Cloudy	19	30	19	15	9	28	45	35	19	17	
SOUTH	M.Clear	27	66	83	72	38	10	25	45	46	28	
	M.Cloudy	11	30	40	34	17	9	21	35	35	23	
WEST	M.Clear	8	13	15	57	72	10	16	17	39	74	
	M.Cloudy	7	14	17	29	26	9	16	19	31	47	
M.Clear	(% hrs)	27	23	22	20	21	41	37	31	29	30	

		Sept					Dec					
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm	
HORIZ.	M.Clear	16	57	82	81	57	6	34	46	34	7	
	M.Cloudy	10	34	54	56	37	4	19	25	19	5	
NORTH	M.Clear	6	13	16	16	13	3	9	11	9	3	
	M.Cloudy	5	13	17	17	13	2	8	11	8	2	
EAST	M.Clear	46	75	42	16	13	22	44	12	9	3	
	M.Cloudy	14	33	29	17	13	5	15	11	8	2	
SOUTH	M.Clear	11	48	73	73	48	17	70	87	71	18	
	M.Cloudy	6	24	43	44	27	4	19	27	21	5	
WEST	M.Clear	6	13	16	40	73	3	9	11	43	23	
	M.Cloudy	5	13	17	29	36	2	8	11	15	6	
M.Clear	(% hrs)	43	40	35	33	37	20	21	20	19	19	

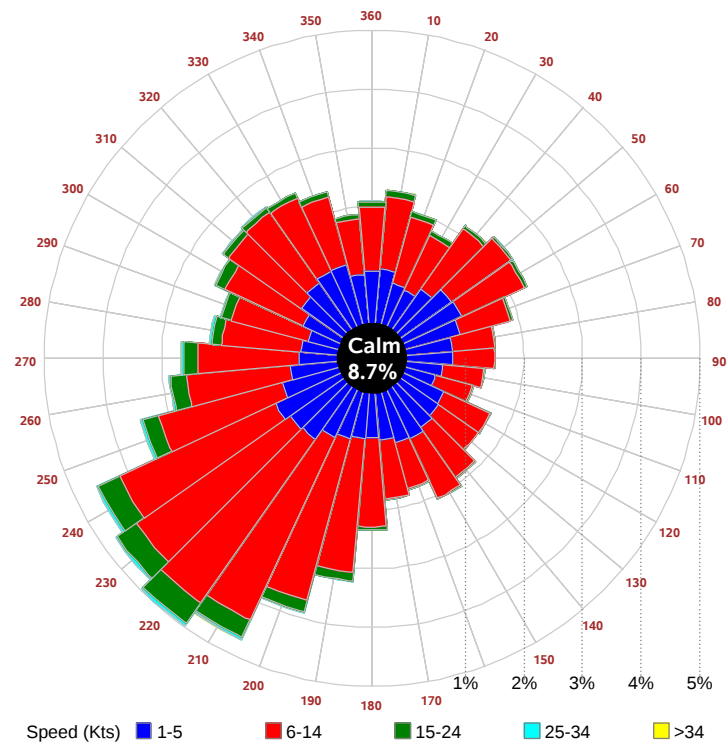
Wind Summary - December, January, and February



Wind Summary - March, April, and May



Wind Summary - June, July, and August



Wind Summary - September, October, and November

