

WACO RGNL, TX	
Latitude = 31.61 N	Station ID = ICAO_KACT
Longitude = 97.23 W	Elevation = 516 Feet
Period of Record = 1988 To 2017	Average Pressure = 29.47 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	104	74	82	9.2	S
0.4% Occurrence	101	75	88	10.2	S
1.0% Occurrence	99	75	93	10.5	S
2.0% Occurrence	97	75	98	10.9	S
Mean Daily Range	21	-	-	-	N
97.5% Occurrence	32	30	21	8.1	N
99.0% Occurrence	28	26	16	7.7	N
99.6% Occurrence	24	22	13	9.7	N
Median of Extreme Lows	19	17	10	11.5	N

	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	80	93	131	11.8	S
0.4% Occurrence	79	92	126	11.5	S
1.0% Occurrence	78	91	123	11.3	S
2.0% Occurrence	77	89	120	11.1	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	144	84	0.94	10.5	S
0.4% Occurrence	134	82	0.88	10.7	S
1.0% Occurrence	133	81	0.88	9.5	S
2.0% Occurrence	129	81	0.85	10.1	S

Air Conditioning/ Humid Area Criteria	Threshold	T ≥ 93 °F	T ≥ 80 °F	Twb ≥ 73 °F	Twb ≥ 67 °F
	# of Hours	493	2221	2010	3601

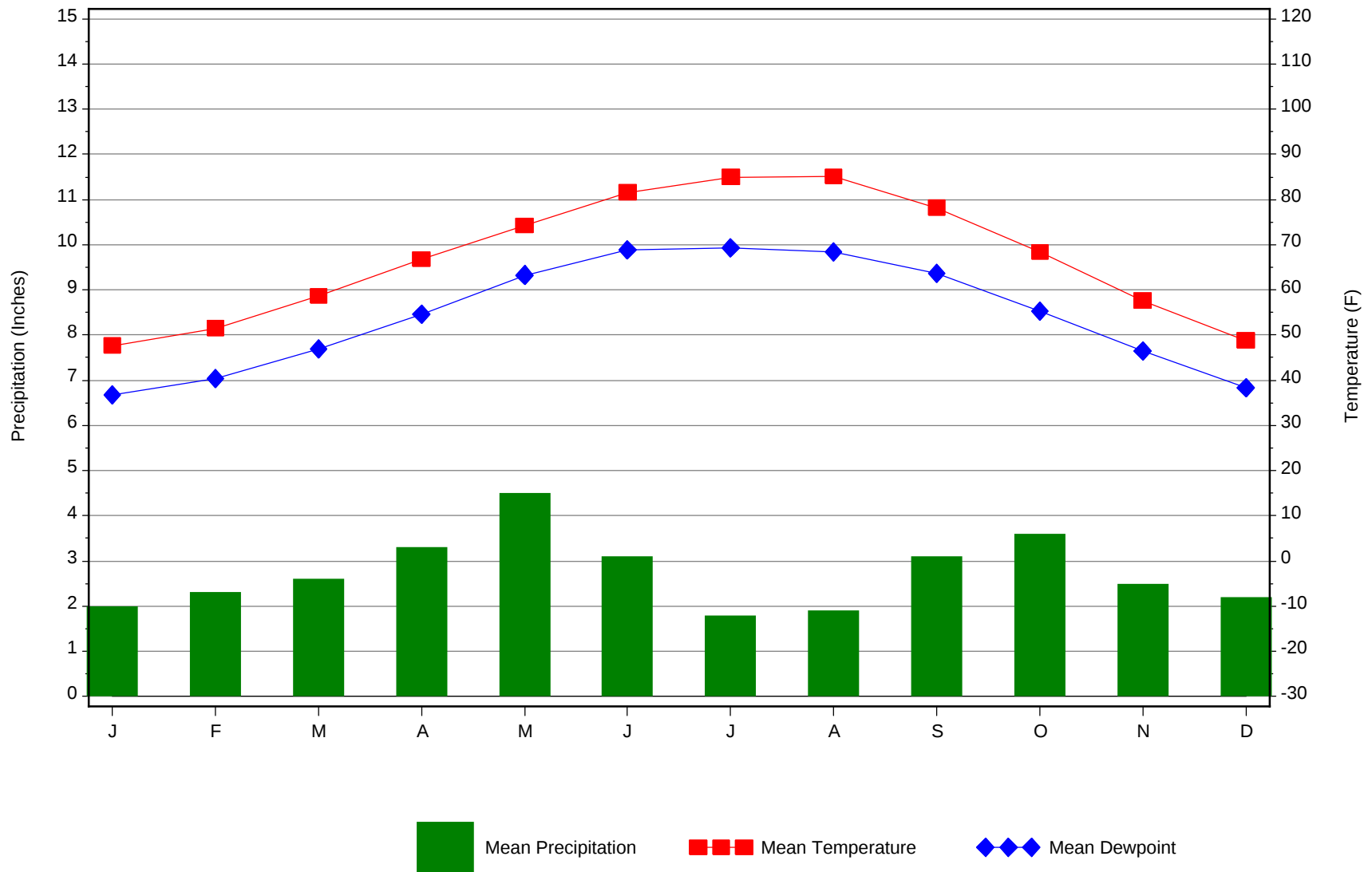
Other Site Data

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
11	4	90	5.9 + 2.7
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 (#)
69.6	6	2	22

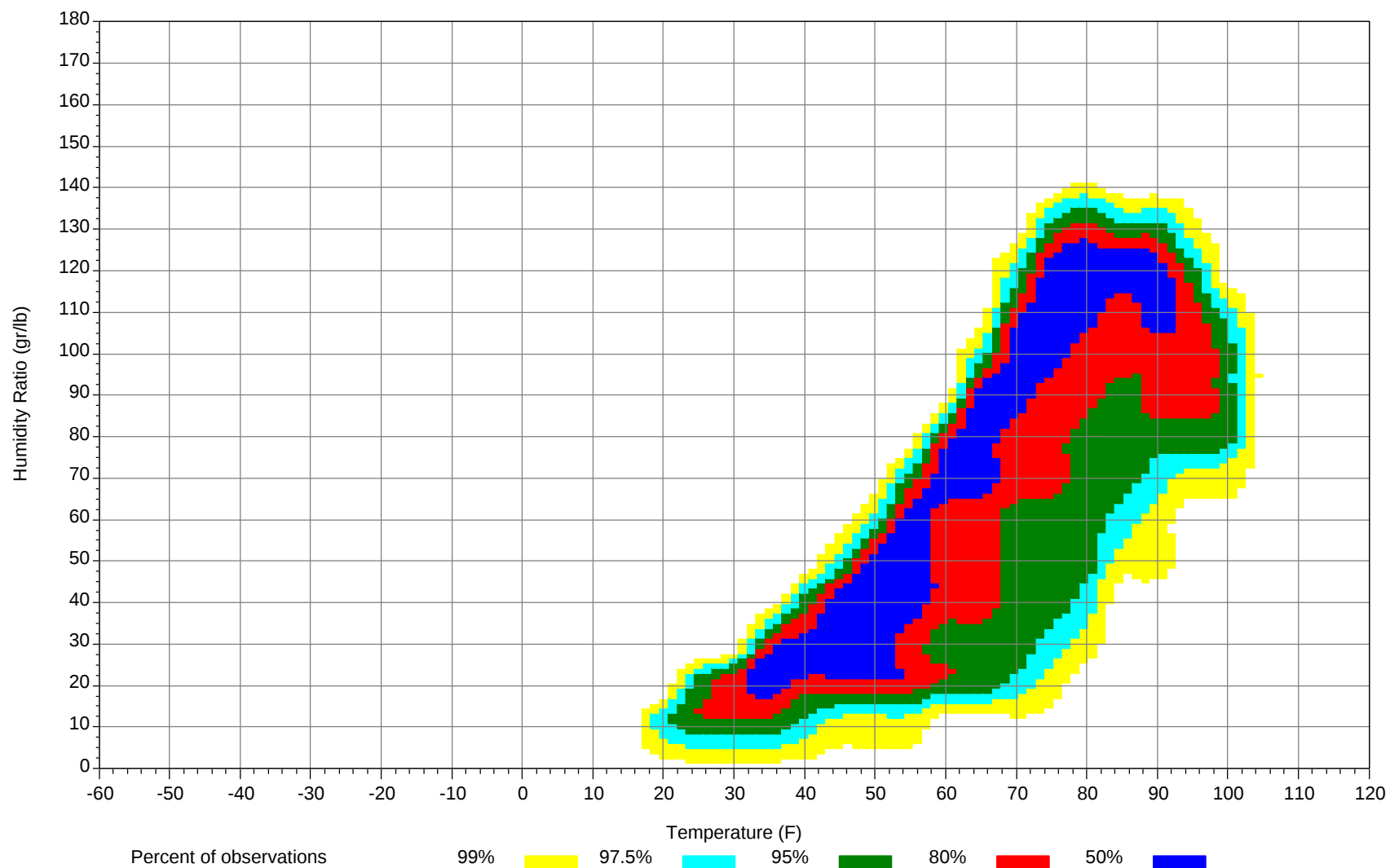
*Note: Temperatures at greater depths can be estimated by adding 1.5°F per 100 feet additional depth.



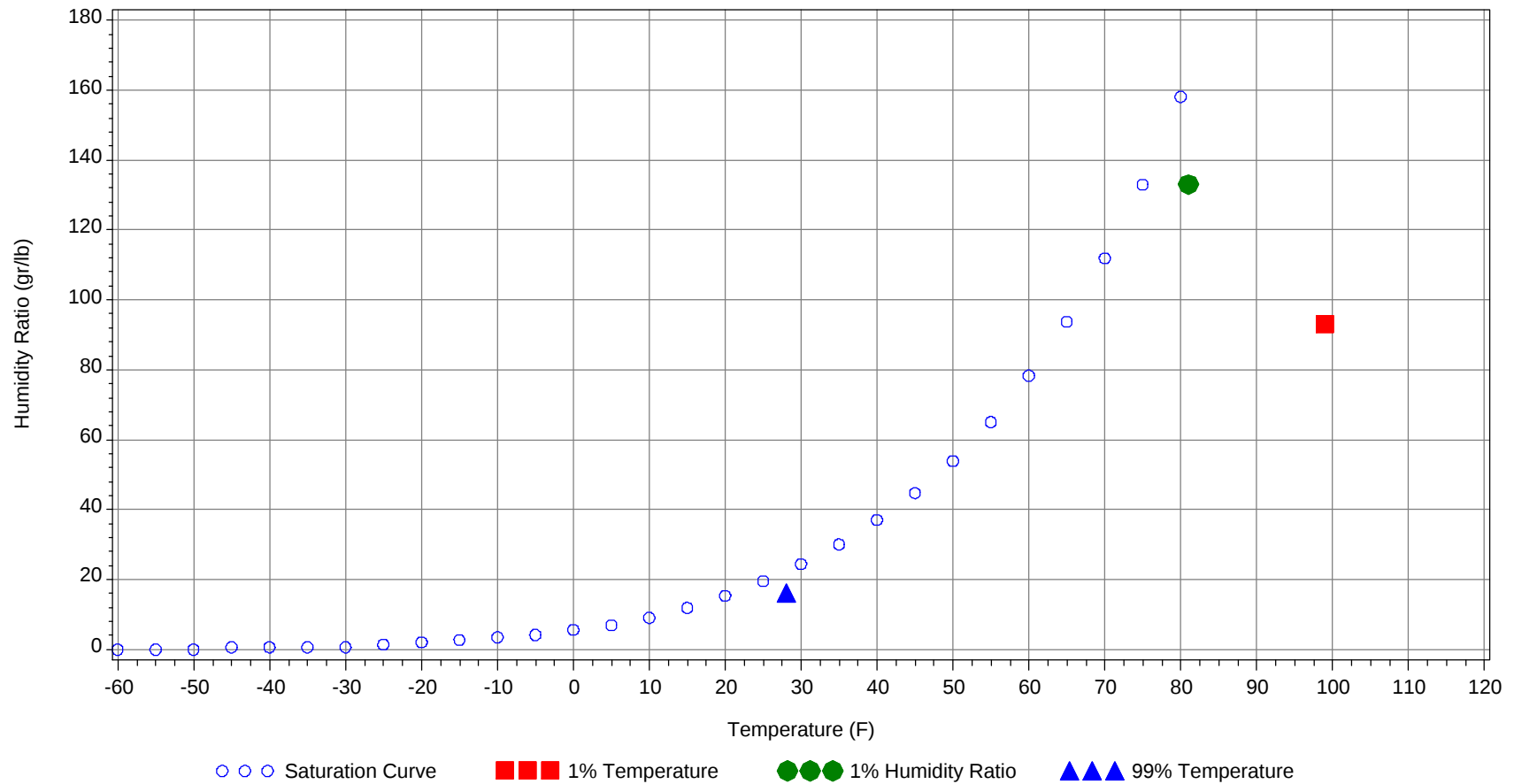
Average Annual Climate



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	99.0		75		93.0	38.5
99.0% Dry Bulb	28.0				16.0	9.3
1.0% Humidity Ratio	133.0	81.0	76.8	75.0		40.4

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)
110/114															
105/109															
100/104															
95/ 99							0		0	63.5		0		0	62.5
90/ 94							0	0	0	62		0	0	0	61.3
85/ 89		0		0	60		0	0	0	59.1		2	0	2	63.9
80/ 84		2	0	2	60.2		4	1	5	62.2		12	4	16	65.2
75/ 79		7	1	8	60.3		11	4	15	61.4		28	16	44	64
70/ 74	0	19	7	26	59.6	2	24	14	40	60.6	7	46	37	90	62.5
65/ 69	6	18	12	36	58.5	8	22	19	49	59	26	33	35	94	60.3
60/ 64	13	32	26	71	55.1	18	33	33	84	55.3	39	41	45	125	56.5
55/ 59	17	31	29	77	50.6	21	29	30	80	50.7	37	33	37	107	51.5
50/ 54	22	33	36	91	46.7	29	32	35	96	46.9	43	23	31	97	47.7
45/ 49	42	40	46	128	42.5	39	29	39	107	42.8	40	15	23	78	43.2
40/ 44	31	25	31	87	38.4	32	14	19	65	39	21	6	11	38	38.9
35/ 39	48	24	32	104	34.2	37	12	17	66	34.7	20	5	6	31	34.7
30/ 34	40	13	18	71	29.8	22	6	7	35	30.2	9	1	2	12	29.7
25/ 29	20	4	6	30	24.8	10	3	4	17	25.2	4	1	1	6	24.4
20/ 24	5	1	1	7	20.2	3	2	2	7	20.2	1	0	0	1	20
15/ 19	2	0	0	2	16.5	2	1	1	4	16.7	0			0	16.4
10/ 14	0		0	0	12.1	0			0	12.3					
5/ 9	0			0	8										
0/ 4															
-5/ -1															

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)
110/114															
105/109												0	0	0	73.1
100/104												5	2	7	75
95/ 99		0	0	0	73.8		4	1	5	73.7		27	11	38	75.4
90/ 94		3	1	4	70.5		25	9	34	73.9		71	36	107	75.1
85/ 89		10	3	13	69.4		40	18	58	73	1	57	40	98	74.5
80/ 84		39	18	57	68.3	2	71	51	124	71.1	32	52	72	156	73.6
75/ 79	3	56	40	99	66	41	53	57	151	69.8	105	19	46	170	72.5
70/ 74	40	54	60	154	64.5	79	32	54	165	67.2	71	7	26	104	69.4
65/ 69	41	28	36	105	61.3	49	14	30	93	63.6	22	1	6	29	65.5
60/ 64	50	27	38	115	57.3	42	7	19	68	59.6	8	0	1	9	61.1
55/ 59	39	12	22	73	52.3	18	1	6	25	54.4	2			2	56.4
50/ 54	35	6	14	55	48.6	10	1	2	13	50					
45/ 49	20	3	7	30	43.9	4	0	0	4	45.4					
40/ 44	7	1	1	9	39.7	1		0	1	39.9					
35/ 39	4	0	1	5	35.7	0			0	35.3					
30/ 34	1	0	0	1	31.4										
25/ 29	0			0	27										
20/ 24															
15/ 19															
10/ 14															
5/ 9															
0/ 4															
-5/ -1															

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

	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)
110/114												0		0	74
105/109		0	0	0	77.7		3	1	4	74		1	0	1	72.6
100/104		16	7	23	74.6		26	9	35	74.6		4	1	5	72.9
95/ 99		68	29	97	75.4		64	29	93	75		22	6	28	74.2
90/ 94		79	52	131	75.1	1	71	50	122	74.6		59	23	82	72.8
85/ 89	3	46	51	100	74.7	5	41	48	94	74.2	0	47	29	76	71.9
80/ 84	74	29	65	168	74.1	78	28	61	167	73.7	17	53	58	128	71.2
75/ 79	125	9	34	168	73	105	11	36	152	72.6	68	30	54	152	70.6
70/ 74	41	2	10	53	70.1	49	4	13	66	69.5	77	17	39	133	67.4
65/ 69	5	0	1	6	64.7	7	0	1	8	64.2	28	5	14	47	62
60/ 64	1		0	1	58.3	3		0	3	60.9	24	3	12	39	58
55/ 59	0			0	54	0			0	56.3	16	1	4	21	53.5
50/ 54						0			0	53	8	0	1	9	49.7
45/ 49											2		0	2	45.6
40/ 44											0			0	43
35/ 39															
30/ 34															
25/ 29															
20/ 24															
15/ 19															
10/ 14															
5/ 9															
0/ 4															
-5/ -1															

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)
110/114															
105/109															
100/104		0		0	68										
95/ 99		1	0	1	70										
90/ 94		15	3	18	71		0		0	66.2					
85/ 89		26	7	33	70.1		2	0	2	69.5		0		0	63.3
80/ 84	1	51	24	76	67.7		12	2	14	67.1		2	0	2	64.3
75/ 79	15	46	40	101	67	1	27	9	37	65.1		8	1	9	63.7
70/ 74	44	45	57	146	65	16	39	31	86	64	2	20	8	30	61.7
65/ 69	35	23	35	93	61.2	17	30	29	76	60.6	9	21	15	45	60.2
60/ 64	53	23	37	113	57.3	34	43	43	120	56.4	15	31	28	74	55.9
55/ 59	37	11	24	72	52.3	30	31	35	96	51.2	17	33	29	79	50.7
50/ 54	31	5	14	50	48.1	40	26	37	103	47.5	26	40	39	105	46.7
45/ 49	19	1	6	26	44	38	16	27	81	42.8	40	40	48	128	42.4
40/ 44	8	0	1	9	39.9	22	7	13	42	38.6	36	22	28	86	38.8
35/ 39	3	0	1	4	35.2	24	4	10	38	34.8	46	20	30	96	34.4
30/ 34	1		0	1	30.6	13	1	4	18	30.2	30	8	15	53	29.7
25/ 29	0		0	0	25.5	4	0	1	5	26.3	19	3	6	28	24.9
20/ 24						0			0	22.5	5	1	1	7	20
15/ 19											2	1	1	4	15.5
10/ 14											1	0	0	1	9.8
5/ 9											0	0	0	0	5.1
0/ 4											0	0		0	1.3
-5/ -1											0			0	-3.3

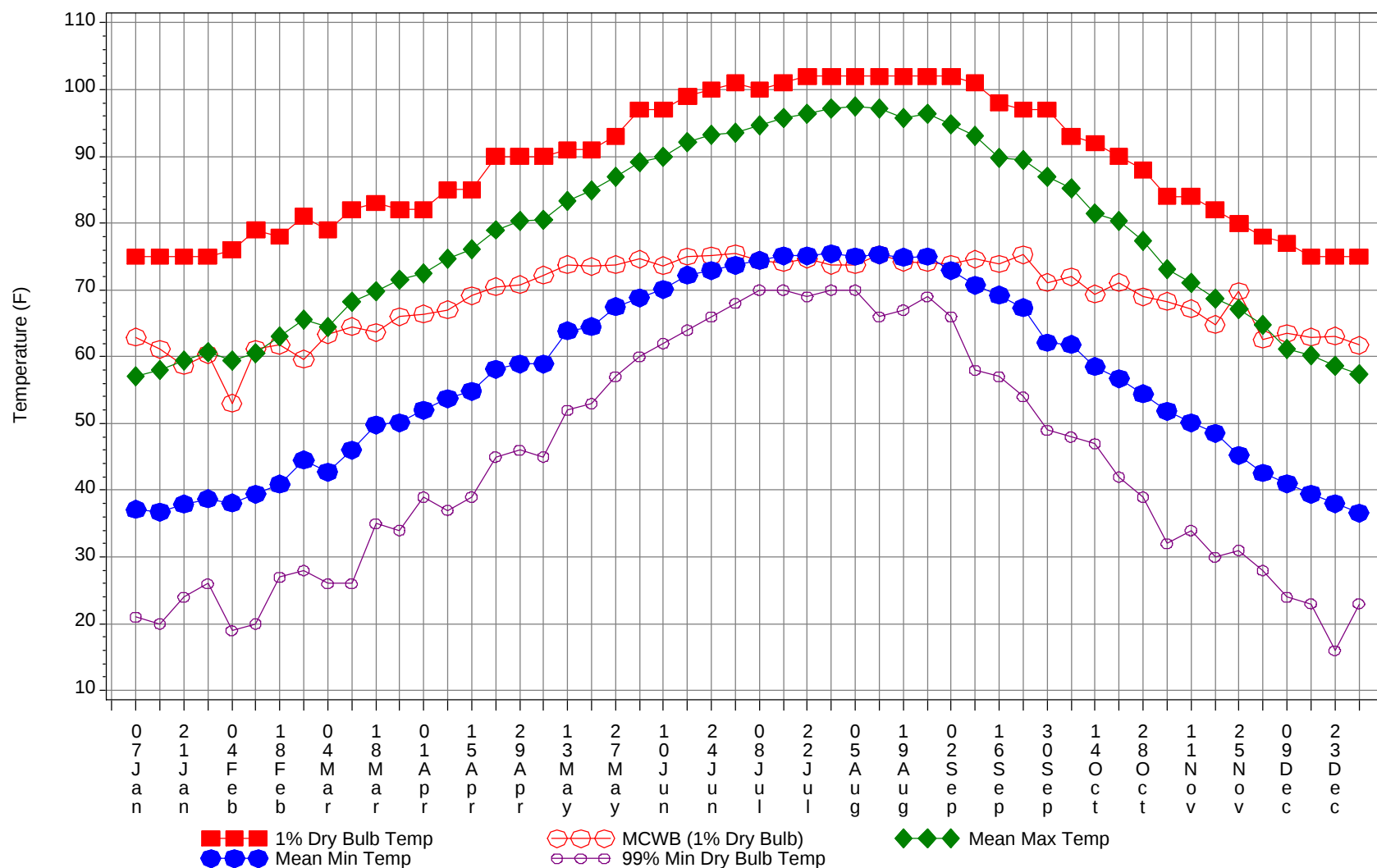
Caution: This summary reflects the typical distribution of temperature in a typical year. It does not reflect the typical moisture distribution. Because wet bulb temperatures are averaged, this summary understates the annual moisture load. For accurate moisture load data, see the long-term humidity summary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

Dry-Bulb Temperature Hours For An Average Year

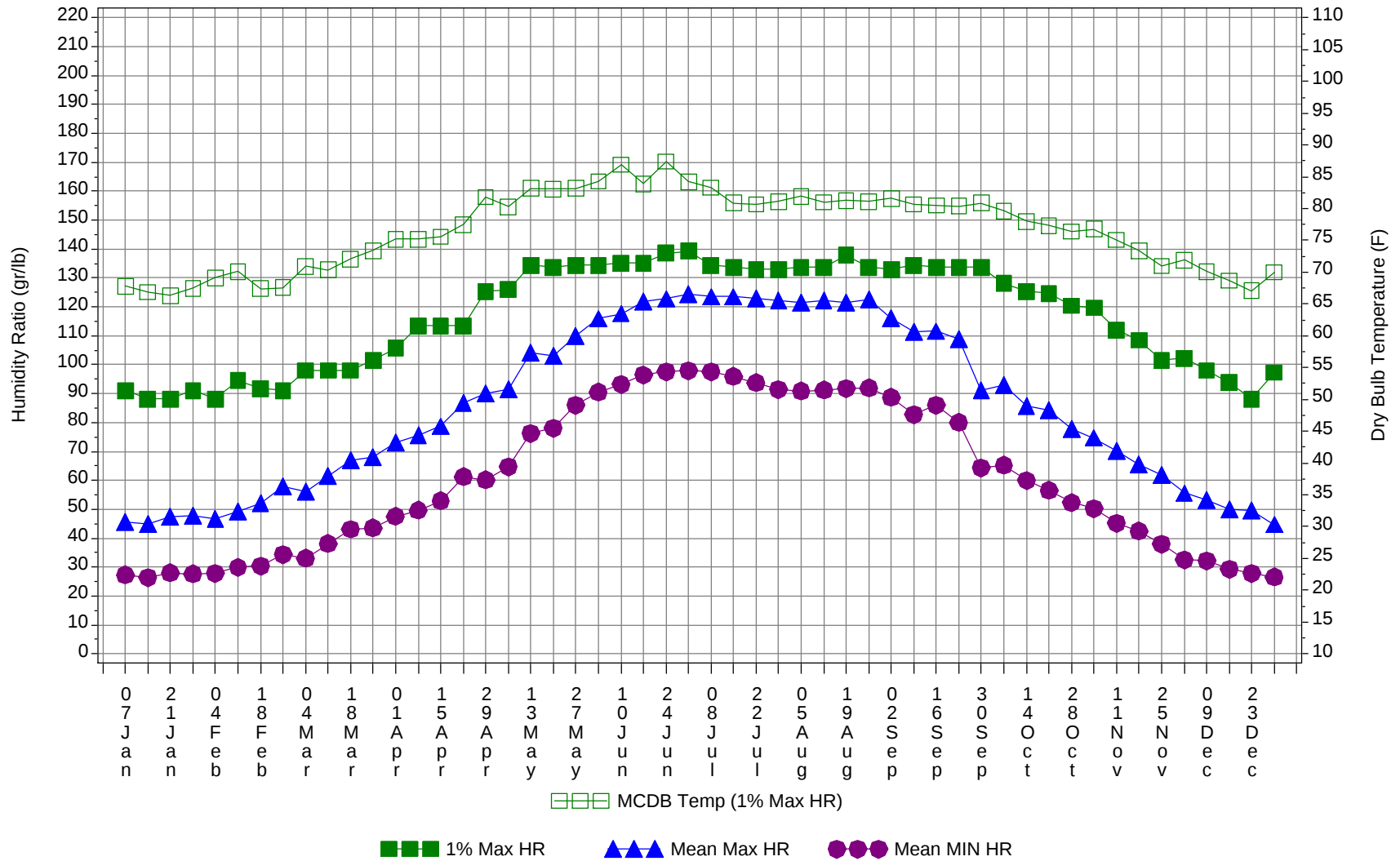
	Annual				
Temperature Range (°F)	01 To 08 LST	09 To 16 LST	17 to 00 LST	Total Obs	M C W B (°F)
110/114		0		0	74
105/109		4	1	5	73.8
100/104		51	19	70	74.5
95/ 99		186	75	261	75.1
90/ 94	1	325	173	499	74.3
85/ 89	9	270	197	476	73.3
80/ 84	204	354	353	911	71.8
75/ 79	461	305	337	1103	70
70/ 74	429	309	354	1092	65.8
65/ 69	254	196	232	682	61.3
60/ 64	299	240	281	820	56.8
55/ 59	235	182	217	634	51.5
50/ 54	245	166	209	620	47.4
45/ 49	246	145	196	587	42.8
40/ 44	158	76	106	340	38.8
35/ 39	183	65	96	344	34.5
30/ 34	117	29	47	193	29.9
25/ 29	57	12	18	87	25
20/ 24	15	4	5	24	20.1
15/ 19	7	2	2	11	16.2
10/ 14	1	0	0	1	10.7
5/ 9	0	0	0	0	6
0/ 4	0	0		0	1.3
-5/ -1	0			0	-3.3

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



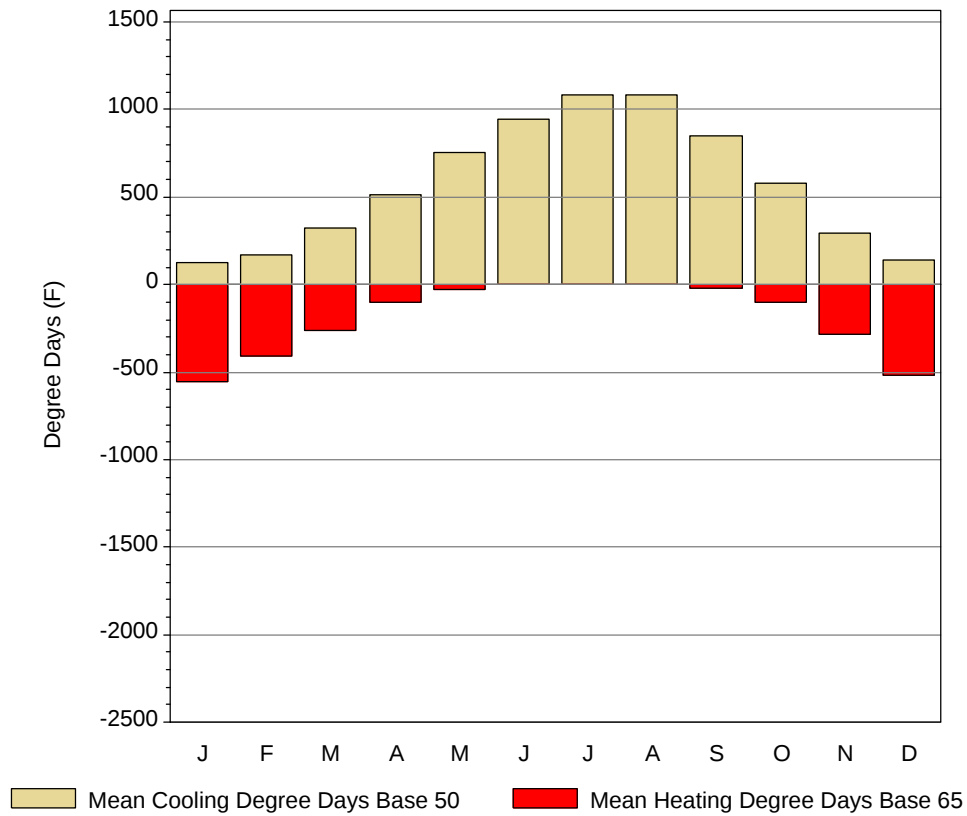
Long Term Humidity and Dry Bulb Temperature Summary



Long Term Humidity and Dry Bulb Temperature Summary

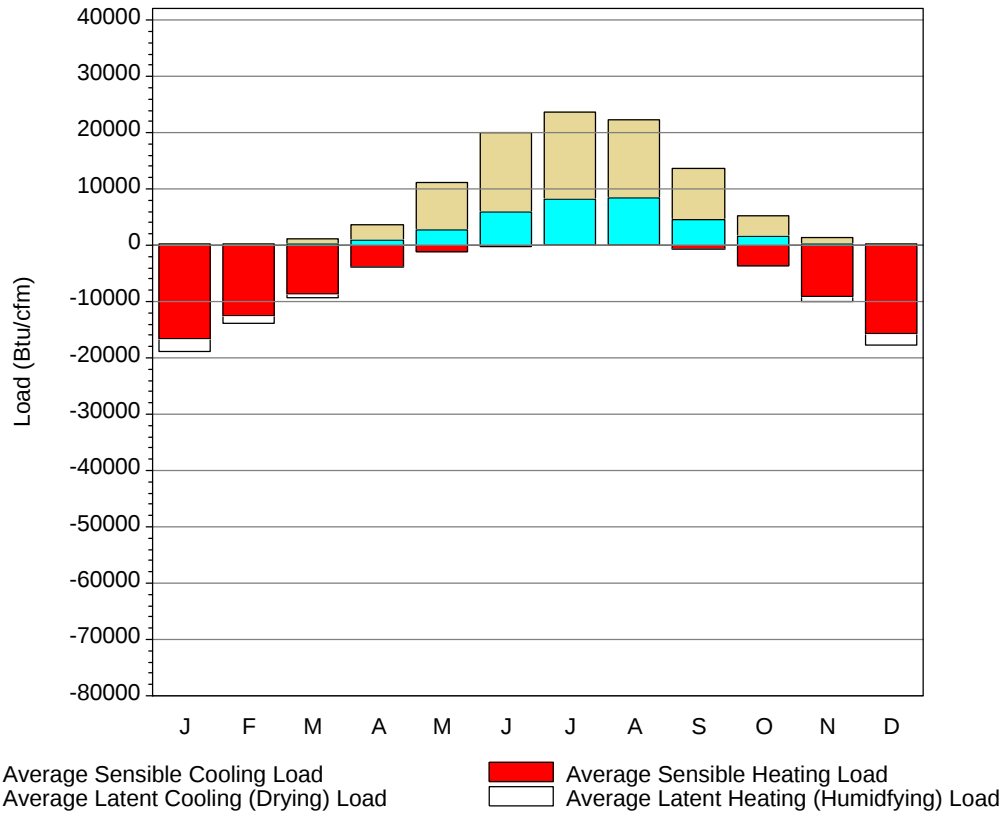
Week Ending	1.0% Temp (° F)	MCWB@ 1% Temp (° F)	Mean Max Temp (° F)	Mean Min Temp (° F)	99% Temp (° F)	1.0% HR (gr/lb)	MCDB@ 1% HR (° F)	Mean Max HR (gr/lb)	Mean Min HR (gr/lb)
7-Jan	75	62.9	57	37.1	21	91	67.8	45.6	27.3
14-Jan	75	61.1	58	36.7	20	88.2	66.9	45	26.3
21-Jan	75	58.7	59.4	37.9	24	88.2	66.3	47.5	28
28-Jan	75	60.3	60.7	38.7	26	91	67.5	47.9	27.7
4-Feb	76	53	59.4	38.1	19	88.2	69.1	46.8	27.9
11-Feb	79	61.1	60.5	39.4	20	94.5	70.1	49.3	29.9
18-Feb	78	61.7	63.1	40.9	27	91.7	67.4	52.1	30.3
25-Feb	81	59.6	65.6	44.5	28	91	67.6	58	34.4
4-Mar	79	63.3	64.5	42.7	26	98	70.9	56.2	33.1
11-Mar	82	64.5	68.3	46	26	98	70.4	61.6	38.1
18-Mar	83	63.6	69.8	49.8	35	98	72.1	67	43.1
25-Mar	82	66	71.6	50.1	34	101.5	73.4	68	43.5
1-Apr	82	66.4	72.5	52	39	105.7	75.2	73.1	47.6
8-Apr	85	67	74.6	53.7	37	113.4	75.2	75.7	49.7
15-Apr	85	69.1	76.1	54.8	39	113.4	75.6	78.7	52.9
22-Apr	90	70.5	79	58.1	45	113.4	77.5	86.9	61.2
29-Apr	90	70.8	80.4	58.9	46	125.3	81.8	90.1	60.2
6-May	90	72.2	80.5	58.9	45	126	80.3	91.4	64.7
13-May	91	73.8	83.3	63.9	52	134.4	83.2	104.1	76.2
20-May	91	73.5	84.9	64.5	53	133.7	83.1	103.1	78
27-May	93	73.8	87	67.5	57	134.4	83.2	109.9	86
4-Jun	97	74.6	89.2	68.8	60	134.4	84.3	115.9	90.5
10-Jun	97	73.6	90	70.1	62	135.1	86.9	117.7	93.3
17-Jun	99	75	92.2	72.2	64	135.1	83.9	121.9	96.4
24-Jun	100	75.1	93.2	72.9	66	138.6	87.4	122.8	97.5
1-Jul	101	75.4	93.6	73.7	68	139.3	84.2	124.5	98
8-Jul	100	74.4	94.6	74.4	70	134.4	83.3	123.5	97.5
15-Jul	101	74.1	95.8	75.1	70	133.7	80.9	123.5	96
22-Jul	102	74.6	96.4	75.1	69	133	80.7	122.9	93.8
29-Jul	102	73.7	97.1	75.4	70	133	81.1	122.1	91.4
5-Aug	102	73.8	97.5	75	70	133.7	81.9	121.5	90.9
12-Aug	102	75.3	97.1	75.3	66	133.7	81	122.2	91.2
19-Aug	102	74.2	95.7	74.9	67	137.9	81.3	121.6	91.8
26-Aug	102	74.1	96.4	75	69	133.7	81.1	122.6	91.9
2-Sep	102	73.9	94.8	72.9	66	133	81.6	116.2	88.7
9-Sep	101	74.6	93.1	70.7	58	134.4	80.7	111.3	82.8
16-Sep	98	73.9	89.7	69.2	57	133.7	80.5	111.6	86
23-Sep	97	75.3	89.4	67.3	54	133.7	80.4	108.8	80.1
30-Sep	97	71.1	86.9	62.1	49	133.7	80.9	91.2	64.3
7-Oct	93	72	85.2	61.8	48	128.1	79.6	93	65.2
14-Oct	92	69.4	81.4	58.5	47	125.3	78	85.6	59.9
21-Oct	90	71.1	80.3	56.7	42	124.6	77.3	84.2	56.6
28-Oct	88	69	77.4	54.4	39	120.4	76.4	77.7	52.3
4-Nov	84	68.3	73.1	51.8	32	119.7	76.8	74.7	50.2
11-Nov	84	67.2	71	50.1	34	112	75.1	70.1	45.1
18-Nov	82	64.8	68.7	48.5	30	108.5	73.4	65.6	42.5
25-Nov	80	69.8	67.2	45.2	31	101.5	71	62	38
2-Dec	78	62.6	64.8	42.6	28	102.2	71.9	55.6	32.6
9-Dec	77	63.5	61.2	41	24	98	70.1	53.3	32.2
16-Dec	75	62.9	60.2	39.4	23	93.8	68.7	50.1	29.3
23-Dec	75	63.1	58.6	38	16	88.2	67.1	49.5	27.8
31-Dec	75	61.7	57.3	36.6	23	97.3	70	44.7	26.6

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	125.5	14.4	551.1
FEB	170.2	25.8	406.4
MAR	326.2	67.2	261.8
APR	514.1	157.5	103.3
MAY	754	314.5	26.6
JUN	947.4	498.7	1.3
JUL	1085.8	620.9	0.1
AUG	1086.3	621.6	0.3
SEP	847.4	414.5	17.3
OCT	580	203.2	97.8
NOV	292.5	59.8	280.6
DEC	138.4	16.7	520.2
ANN	6867.8	3014.8	2266.8

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	24	-16516	155	-2324
FEB	73	-12446	246	-1443
MAR	236	-8522	833	-784
APR	868	-3740	2755	-132
MAY	2702	-1168	8457	-12
JUN	5826	-94	14287	0
JUL	8246	-8	15332	0
AUG	8353	-26	13890	0
SEP	4557	-733	9196	-8
OCT	1530	-3548	3774	-161
NOV	203	-9007	1116	-862
DEC	28	-15681	304	-2061
ANN	32646	-71489	70345	-7787

Station Information		Shading Geometry in Dimensionless Units	
City, State, WBAN	WACO, TX 13959	Window:	1.000
Lat, Lon, Elev	31.62N 97.22W 509ft	Overhang:	0.942
Press, Stn_Type	14.5psia Secondary	Vert Gap:	0.657

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	920	1170	1500	1730	1910	2130	2200	2020	1660	1360	1020	860	1540
	Std.Dev.	77	95	113	156	154	136	139	107	110	110	88	65	34
	Minimum	770	970	1250	1470	1490	1890	1830	1780	1390	1120	800	720	1490
	Maximum	1080	1350	1750	2160	2210	2330	2480	2210	1910	1500	1180	1020	1630
	Diffuse	390	480	610	740	810	790	730	680	620	480	400	350	590
Clear Day	Global	1270	1590	2000	2360	2560	2630	2580	2390	2070	1670	1310	1160	1970
NORTH	Global	260	320	390	470	560	650	620	500	410	330	270	240	420
	Diffuse	260	320	390	450	500	520	510	460	410	330	270	240	390
Clear Day	Global	230	290	360	430	590	700	650	490	370	310	240	220	410
EAST	Global	560	690	830	910	960	1060	1170	1120	930	790	620	540	850
	Diffuse	310	380	470	550	590	610	610	570	510	410	330	280	470
Clear Day	Global	860	1030	1210	1350	1390	1400	1380	1340	1220	1060	880	800	1160
SOUTH	Global	1230	1230	1120	880	690	620	670	850	1070	1290	1270	1240	1010
	Diffuse	410	460	520	540	530	520	520	530	530	480	420	380	490
Clear Day	Global	2050	1950	1630	1140	780	650	700	970	1400	1800	1970	2020	1420
WEST	Global	610	740	920	1020	1080	1180	1180	1110	980	860	660	570	910
	Diffuse	320	390	480	560	610	630	620	580	510	420	330	290	480
Clear Day	Global	860	1030	1210	1350	1390	1400	1380	1340	1220	1060	880	800	1160

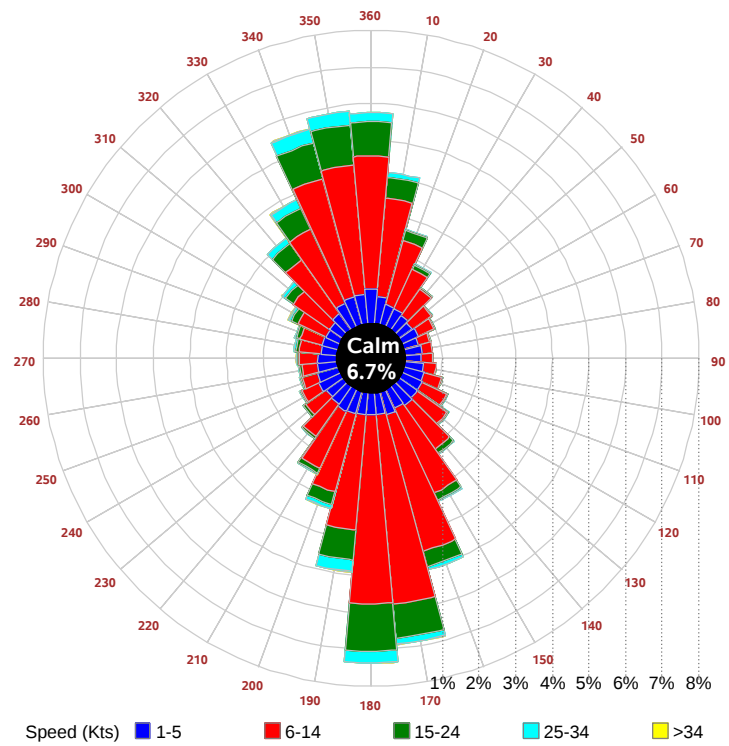
Average Annual Solar Radiation - Nearest Available Site Source: National Renewable Energy Laboratory, Golden CO, 1995

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	630	820	1070	1260	1390	1560	1610	1470	1200	970	700	580	1110
NORTH	Unshaded	180	220	270	320	360	410	390	330	280	230	190	160	280
	Shaded	150	190	240	270	310	350	340	290	250	210	160	140	240
EAST	Unshaded	390	490	590	650	680	750	830	800	660	560	430	370	600
	Shaded	330	410	480	520	550	600	660	650	540	460	370	320	490
SOUTH	Unshaded	910	880	750	540	420	380	390	500	690	900	930	930	680
	Shaded	860	710	410	320	320	320	320	320	340	620	850	900	520
WEST	Unshaded	420	520	650	730	770	840	840	800	700	610	460	400	650
	Shaded	370	440	540	590	620	680	680	650	580	520	390	340	530

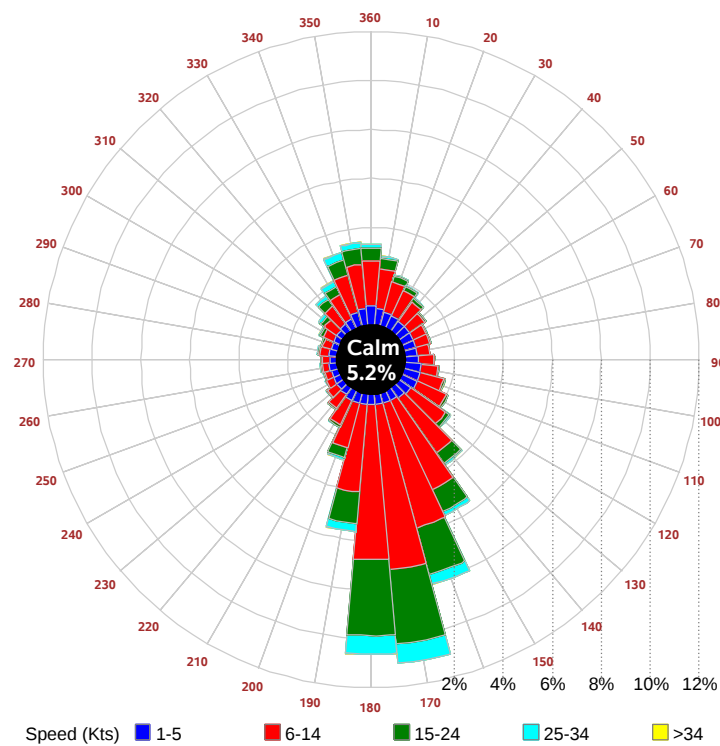
AVERAGE INCIDENT ILLUMINANCE (klux-hr) FOR MOSTLY CLEAR AND MOSTLY CLOUDY CONDITIONS Percentage Uncertainty = 9												
		March					June					
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm	
HORIZ.	M.Clear	36	77	94	81	42	36	79	103	102	76	
	M.Cloudy	19	46	59	51	27	23	56	77	80	58	
NORTH	M.Clear	9	14	16	15	10	24	16	17	17	16	
	M.Cloudy	8	17	19	17	10	14	18	19	19	17	
EAST	M.Clear	77	68	20	15	10	68	78	43	17	16	
	M.Cloudy	21	34	21	17	10	30	50	35	19	17	
SOUTH	M.Clear	30	62	76	65	35	11	17	31	31	17	
	M.Cloudy	12	32	43	37	19	9	18	28	29	18	
WEST	M.Clear	9	14	16	63	79	11	16	17	43	77	
	M.Cloudy	8	17	19	36	33	9	18	19	37	54	
M.Clear	(% hrs)	35	38	40	41	45	36	40	44	46	55	

		Sept					Dec					
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm	
HORIZ.	M.Clear	21	66	92	90	61	17	51	64	49	13	
	M.Cloudy	13	44	65	66	42	10	30	39	29	9	
NORTH	M.Clear	7	14	17	17	14	6	11	12	11	5	
	M.Cloudy	6	15	19	19	15	4	12	14	11	4	
EAST	M.Clear	56	77	41	17	14	50	52	12	11	5	
	M.Cloudy	19	42	32	19	15	12	23	14	11	4	
SOUTH	M.Clear	12	45	65	63	41	39	82	95	79	32	
	M.Cloudy	7	28	44	45	27	10	31	41	31	10	
WEST	M.Clear	7	14	17	46	77	6	11	15	55	44	
	M.Cloudy	6	15	19	35	44	4	12	15	24	13	
M.Clear	(% hrs)	46	46	47	48	51	37	39	39	44	45	

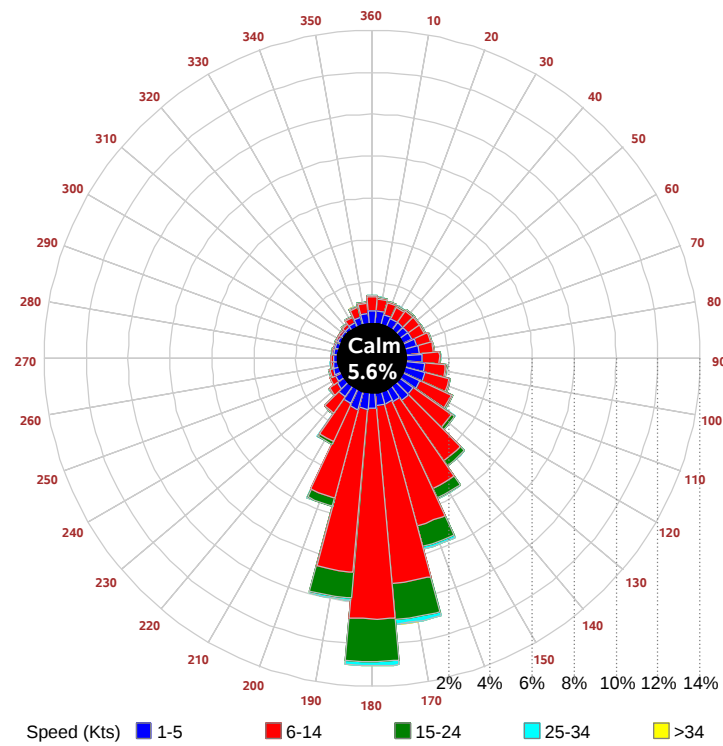
Wind Summary - December, January, and February



Wind Summary - March, April, and May



Wind Summary - June, July, and August



Wind Summary - September, October, and November

