TERMEZ, UZ	
Latitude = 37.29 N	Station ID = ICAO_UTST
Longitude = 67.31 E	Elevation = 1027 Feet
Period of Record = 1988 To 2017	Average Pressure = 28.89 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	111	71	55	5.9	W
0.4% Occurrence	106	69	52	6.5	W
1.0% Occurrence	104	69	52	6.8	W
2.0% Occurrence	102	68	52	7.1	W
Mean Daily Range	26	-	-	-	NNE
97.5% Occurrence	30	29	21	5.9	NNE
99.0% Occurrence	25	24	17	5.2	NNE
99.6% Occurrence	19	18	12	6	WSW
Median of Extreme Lows	16	15	11	5.3	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	76	100	100	6.3	W
0.4% Occurrence	73	99	83	6	W
1.0% Occurrence	71	97	74	6.2	W
2.0% Occurrence	70	96	71	6.4	W

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	113	91	0.72	4.6	NE
0.4% Occurrence	95	83	0.61	4.6	WSW
1.0% Occurrence	88	80	0.57	5.3	WSW
2.0% Occurrence	83	79	0.53	5.4	W

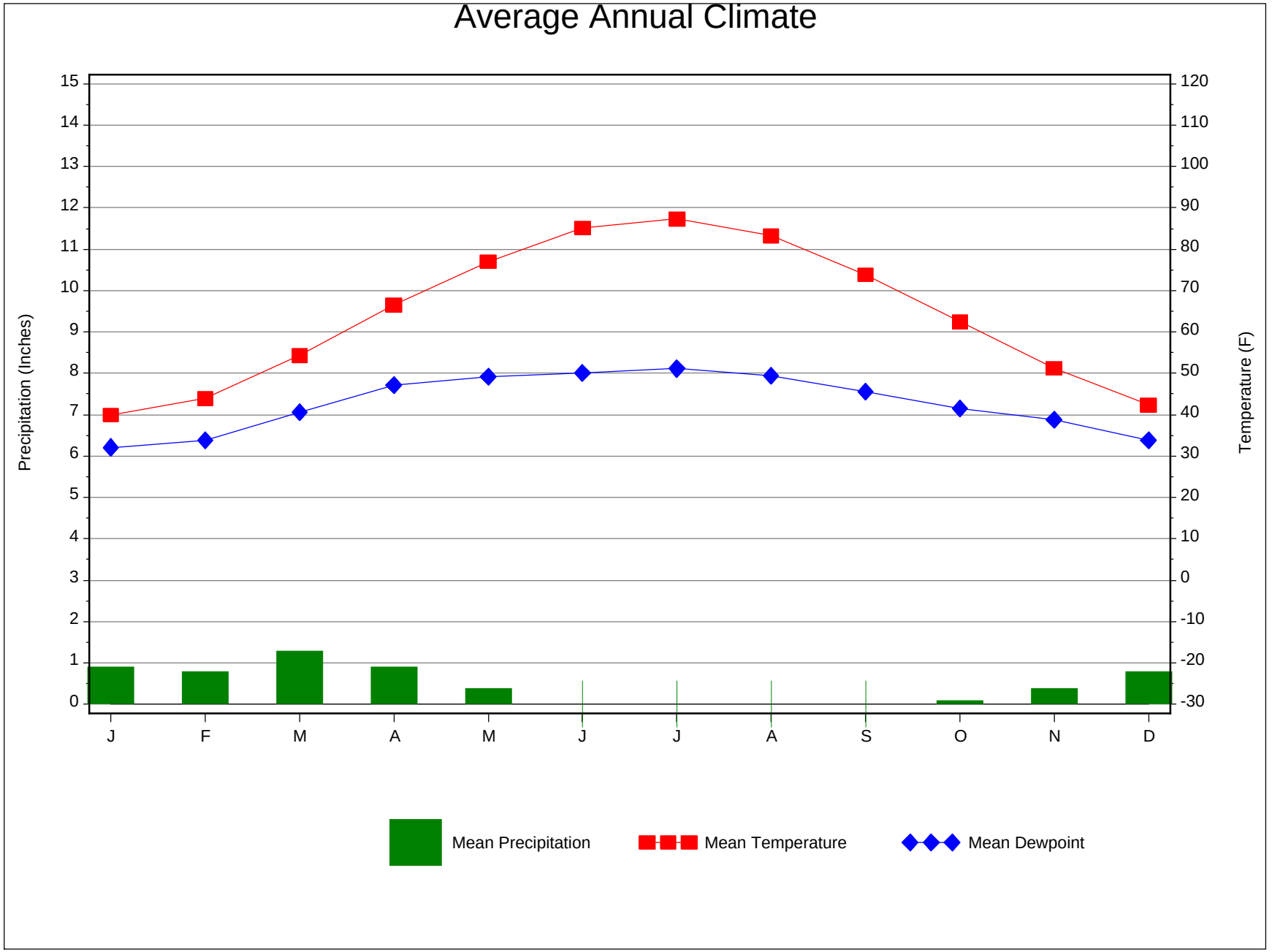
Air Conditioning/ Humid Area Criteria	**Threshold**	**T ≥ 93°F**	**T ≥ 80°F**	**Twb ≥ 73°F**	**Twb ≥ 67°F**
	# of Hours	838	2148	43	691

Other Site Data

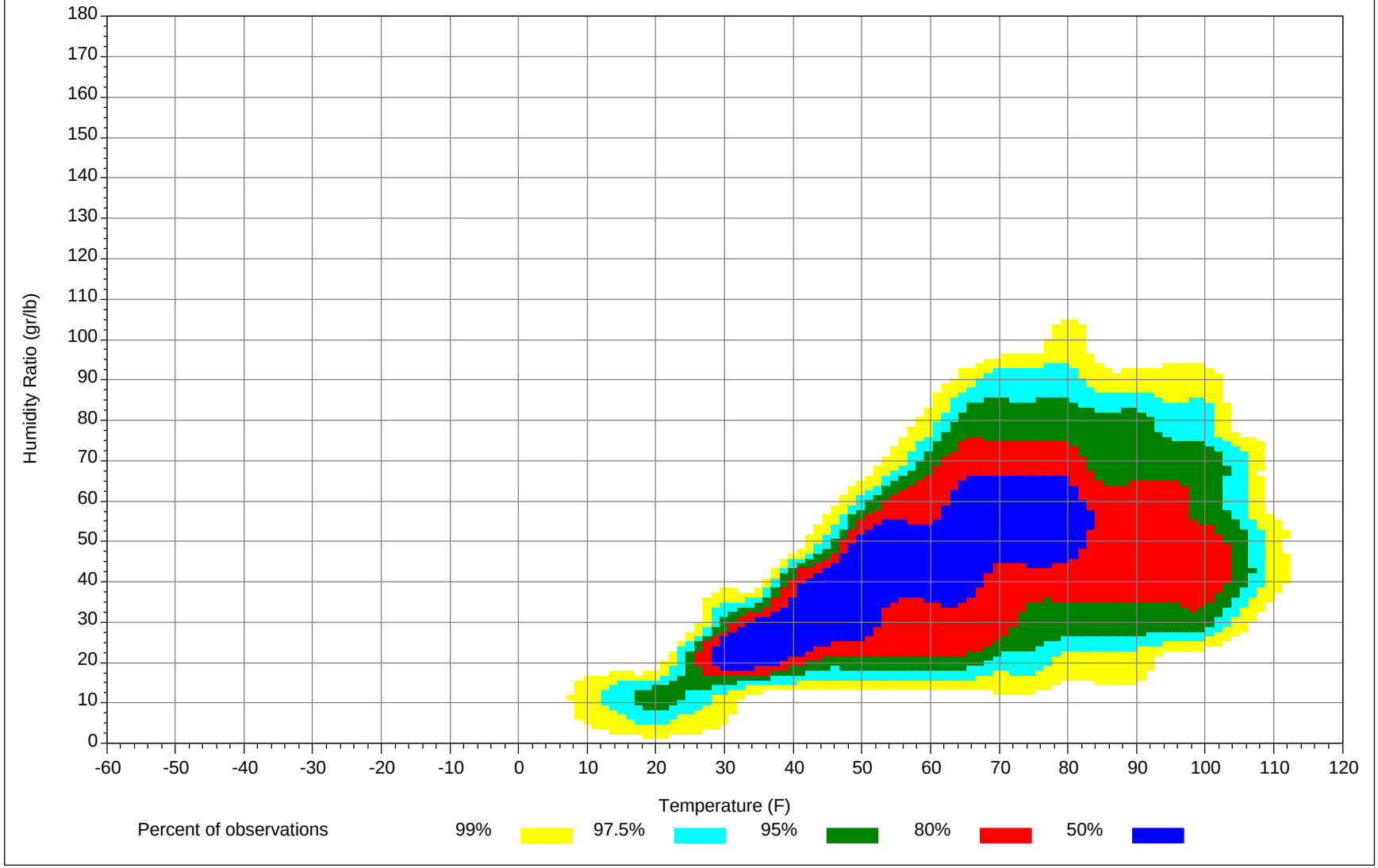
Weather Region	Rain Rate 100 Year Recurrence (in./hr)	Basic Wind Speed 3 sec gust @ 33 ft 50 Year Recurrence (mph)	Ventilation Cooling Load Index (Ton-hr/cfm/yr) Base 75°F-RH 60% Latent + Sensible
11	N/A	N/A	0.1 + 3.1
Ground Water Temperature (°F) 50 Foot Depth*	Frost Depth 50 Year Recurrence (in)	Ground Snow Load 50 Year Recurrence (lb/ft^2)	Average Annual Freeze-Thaw Cycles (#)
66.5	N/A	N/A	30

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

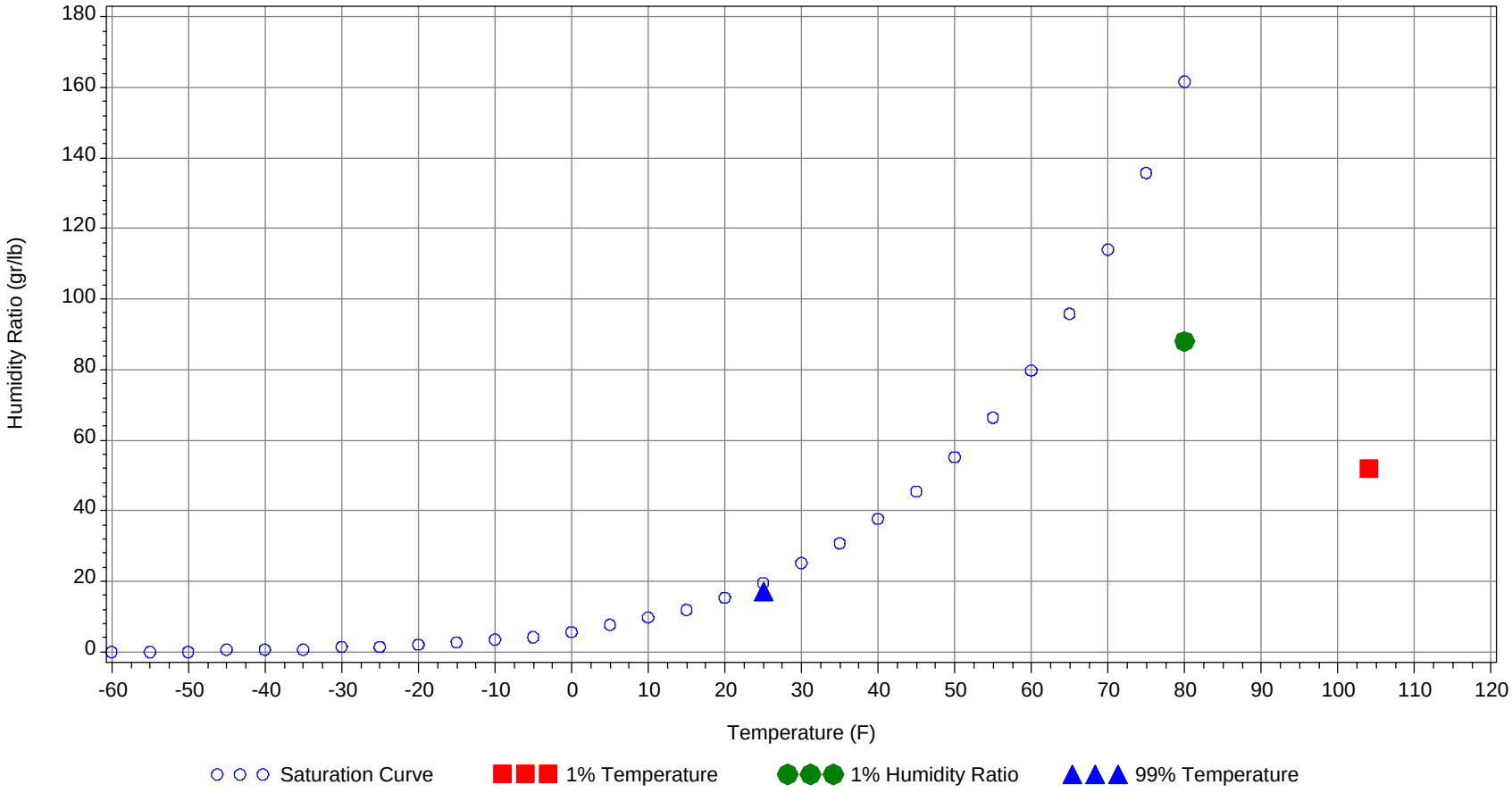
Average Annual Climate



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	104.0		69		52.0	33.0
99.0% Dry Bulb	25.0				17.0	8.5
1.0% Humidity Ratio	88.0	80.0	68	62.4		33.0

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**	**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)**
110/114															
105/109															
100/104															
95/ 99															
90/ 94												1	0	1	60.6
85/ 89							0		0	55		3	1	4	59.5
80/ 84							0	0	0	54.5		8	2	10	58.1
75/ 79							1	0	1	54.7		15	7	22	56.6
70/ 74		1	0	1	51.5		4	1	5	53.1	0	26	14	40	55.2
65/ 69		3	1	4	49.9		11	4	15	51	2	31	22	55	53.8
60/ 64		13	4	17	48.3	0	24	12	36	49.6	11	42	38	91	52.3
55/ 59	0	23	10	33	46.8	3	30	23	56	47.9	29	42	49	120	50.2
50/ 54	5	36	24	65	44.9	17	36	40	93	46	58	37	48	143	47.4
45/ 49	17	46	45	108	42.1	35	36	41	112	42.6	60	24	35	119	43.6
40/ 44	41	43	54	138	39.2	43	31	37	111	38.9	44	12	19	75	39.5
35/ 39	65	43	54	162	35.1	52	27	32	111	35	29	5	9	43	35.6
30/ 34	69	25	35	129	30.8	42	16	21	79	30.4	12	2	4	18	31.4
25/ 29	32	8	12	52	26.3	20	5	8	33	25.8	3	0	0	3	26.8
20/ 24	9	3	4	16	21.3	6	2	3	11	21.3					
15/ 19	5	2	3	10	16.9	4	1	1	6	16.5					
10/ 14	3	1	2	6	11.4	1	1	1	3	12.1					
5/ 9	2	1	1	4	6.8	1	0	0	1	7.2					
0/ 4	1	0	0	1	1.4	0	0	0	0	1.3					
-5/ -1	0			0	-3.1	0	0		0	-3					
-10/ -6						0			0	-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)**
110/114								0	0	69		1	1	2	70.7
105/109							1	0	1	67.8		14	6	20	68.6
100/104		0	0	0	67.3		10	4	14	66.3	0	46	21	67	67.3
95/ 99		5	2	7	65.1	0	31	13	44	65.3	0	61	34	95	66.3
90/ 94		14	5	19	63.6	0	47	23	70	64.3	0	54	38	92	65.6
85/ 89		21	10	31	62.5	0	47	30	77	63.2	4	37	42	83	64.5
80/ 84	0	35	19	54	61.1	5	48	44	97	62.2	28	20	51	99	63.3
75/ 79	1	42	31	74	59.7	25	33	52	110	61	73	5	34	112	61.8
70/ 74	9	40	41	90	58.5	60	16	40	116	59.9	82	1	11	94	60.2
65/ 69	30	30	39	99	57.1	70	8	22	100	58.3	39	1	2	42	58.2
60/ 64	56	25	42	123	55	53	4	11	68	56	12	0	0	12	55.3
55/ 59	65	17	28	110	52.3	24	1	4	29	52	1			1	53.4
50/ 54	45	7	16	68	48.6	8	1	2	11	47.8	0			0	54
45/ 49	22	3	6	31	44.3	3	1	1	5	43.5					
40/ 44	8	1	1	10	40.1	1	0	0	1	39.5					
35/ 39	2	0	0	2	36	0			0	33					
30/ 34	0			0	34										
25/ 29															
20/ 24															
15/ 19															
10/ 14															
5/ 9															
0/ 4															
-5/ -1															
-10/ -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

	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)**
110/114		2	1	3	71		0	0	0	72.2					
105/109		24	10	34	69.3		8	4	12	69.6		0		0	69.3
100/104	0	62	31	93	68.3	0	40	17	57	67.9		5	1	6	67.1
95/ 99	0	62	40	102	67.3	0	64	30	94	66.3	0	24	7	31	65.4
90/ 94	1	47	39	87	66.5	0	51	35	86	65.4	0	43	15	58	63.7
85/ 89	6	32	48	86	65.2	2	36	39	77	64.4	0	44	21	65	61.9
80/ 84	45	16	52	113	63.6	16	31	57	104	62.7	0	44	33	77	60.8
75/ 79	92	2	22	116	62	54	14	44	112	61.1	3	38	49	90	59.2
70/ 74	81	0	3	84	60.5	87	2	18	107	59.4	24	26	50	100	57.3
65/ 69	20		0	20	58.5	64	0	3	67	57.6	53	12	36	101	55.8
60/ 64	2			2	55.3	23	0	0	23	55.1	78	4	20	102	53.5
55/ 59						3	0	0	3	50.8	56	1	6	63	50.6
50/ 54						0			0	48.3	22	0	1	23	47.6
45/ 49											4			4	43.6
40/ 44											0			0	42
35/ 39															
30/ 34															
25/ 29															
20/ 24															
15/ 19															
10/ 14															
5/ 9															
0/ 4															
-5/ -1															
-10/ -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

	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)**
110/114															
105/109															
100/104															
95/ 99		1	0	1	63.5										
90/ 94		8	1	9	62.6		0		0	58.7					
85/ 89		16	4	20	61.1		1	0	1	60.3					
80/ 84	0	35	9	44	59.2		5	1	6	59.4					
75/ 79	0	44	19	63	57.6		12	2	14	56.7	0			0	55
70/ 74	1	44	33	78	55.7	0	22	6	28	54.6	0	3	0	3	52.8
65/ 69	8	35	40	83	54.2	1	27	12	40	53.2	0	9	1	10	51.1
60/ 64	28	31	56	115	52.1	4	37	23	64	51.2	0	21	6	27	49.3
55/ 59	60	18	42	120	49.6	14	41	40	95	49.3	2	30	15	47	47.6
50/ 54	66	11	29	106	46.4	35	41	54	130	46.5	11	39	33	83	45.6
45/ 49	53	5	13	71	42.8	63	28	49	140	43.4	25	45	49	119	42.5
40/ 44	25	1	3	29	39.3	53	15	33	101	39.6	48	41	53	142	39.3
35/ 39	6	0	0	6	35.2	46	7	14	67	35.5	68	34	49	151	35.3
30/ 34	1	0	0	1	31.3	19	2	3	24	30.9	60	19	28	107	30.8
25/ 29	0	0		0	26.5	4	1	2	7	25.9	23	5	8	36	26.2
20/ 24						0	0	0	0	21.3	7	2	2	11	21.4
15/ 19						0		0	0	17	3	1	1	5	16.7
10/ 14						0			0	13	1	0	1	2	11.4
5/ 9											1	0	0	1	6
0/ 4											0			0	2.2
-5/ -1															
-10/ -6															

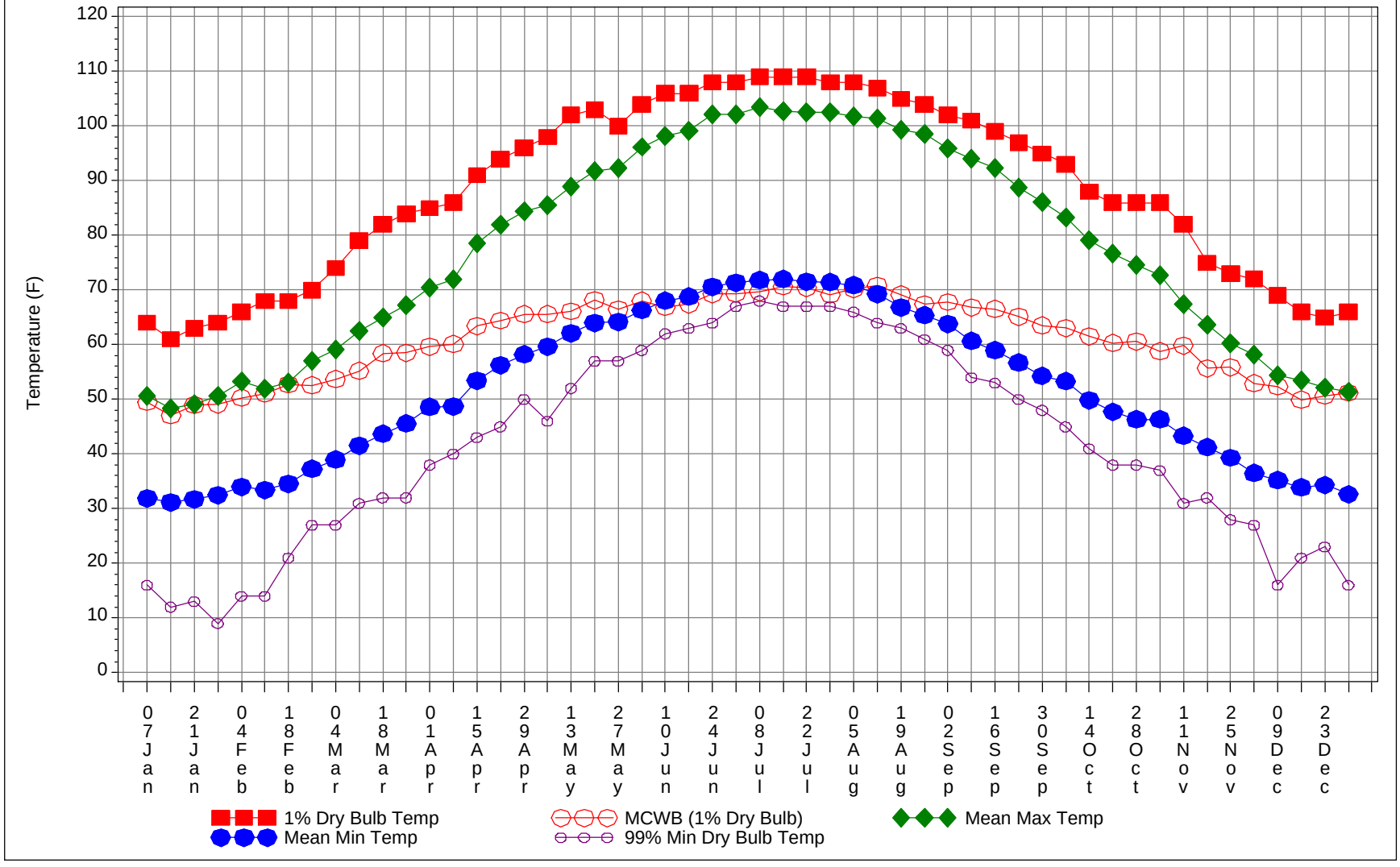
Caution: This summary reflects the typical distribtion of temperature in a typical year. It does not reflect the typical mositure distribution. Because wet bulb temperatures are averaged, this summary understates the annual moisture load. For accurate moisture load data, see the long-term humidity summary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

Dry-Bulb Temperature Hours For An Average Year

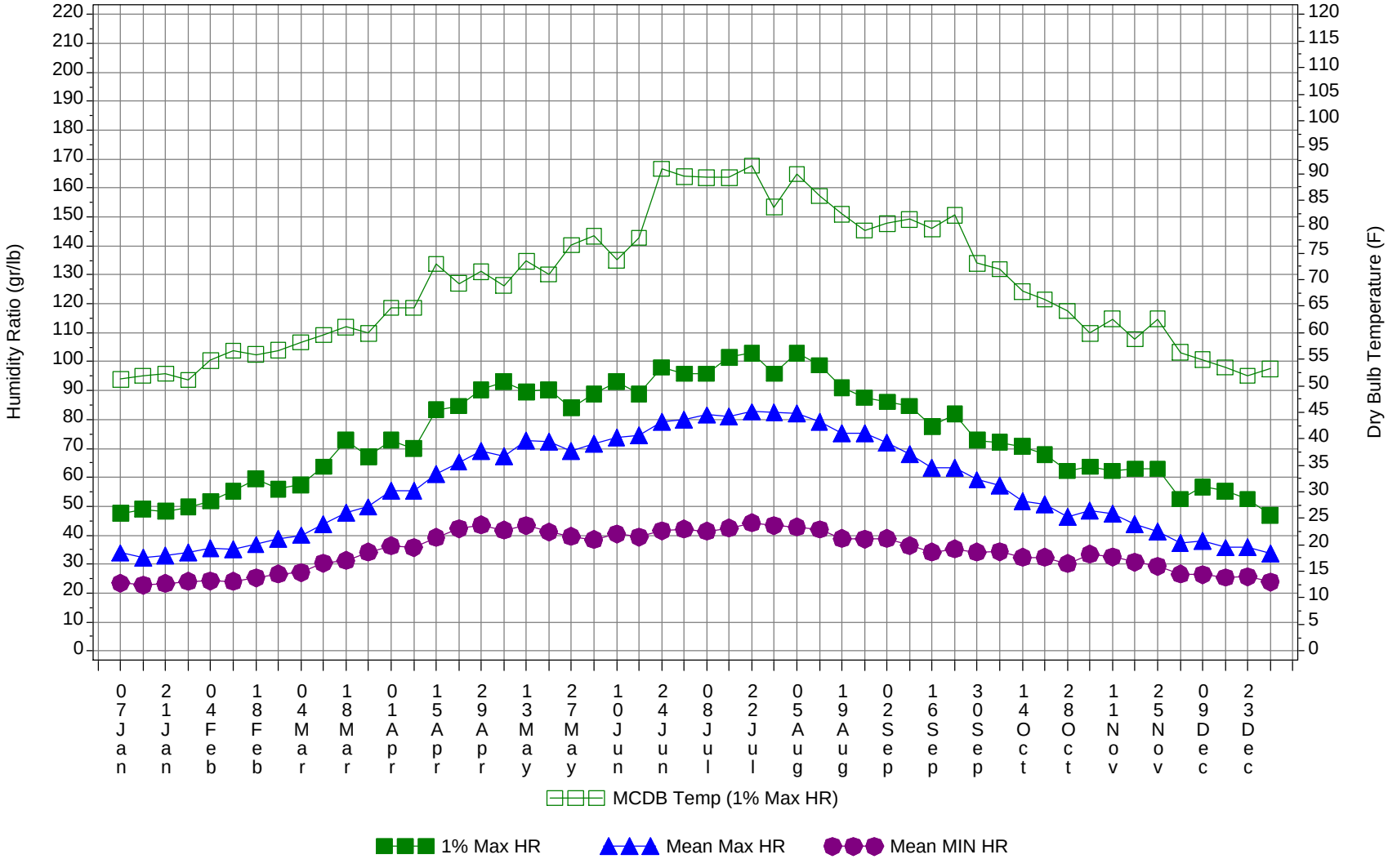
	Annual				
Temperature Range (°F)	**01 To 08 LST**	**09 To 16 LST**	**17 to 00 LST**	**Total Obs**	**MCWB (°F)**
110/114		4	2	6	71
105/109		49	21	70	69.1
100/104	0	164	74	238	67.8
95/ 99	0	248	126	374	66.3
90/ 94	1	265	158	424	65.1
85/ 89	13	238	196	447	63.7
80/ 84	94	240	270	604	62.1
75/ 79	249	205	261	715	60.4
70/ 74	347	183	217	747	58.5
65/ 69	286	167	182	635	56
60/ 64	268	201	212	681	53
55/ 59	254	203	217	674	49.9
50/ 54	264	207	245	716	46.6
45/ 49	281	188	239	708	42.9
40/ 44	263	144	200	607	39.3
35/ 39	270	117	159	546	35.2
30/ 34	204	64	92	360	30.8
25/ 29	82	19	31	132	26.1
20/ 24	23	7	9	39	21.3
15/ 19	12	4	5	21	16.7
10/ 14	5	2	3	10	11.6
5/ 9	3	1	1	5	6.7
0/ 4	1	0	0	1	1.5
-5/ -1	0	0		0	-3.1
-10/ -6	0			0	-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



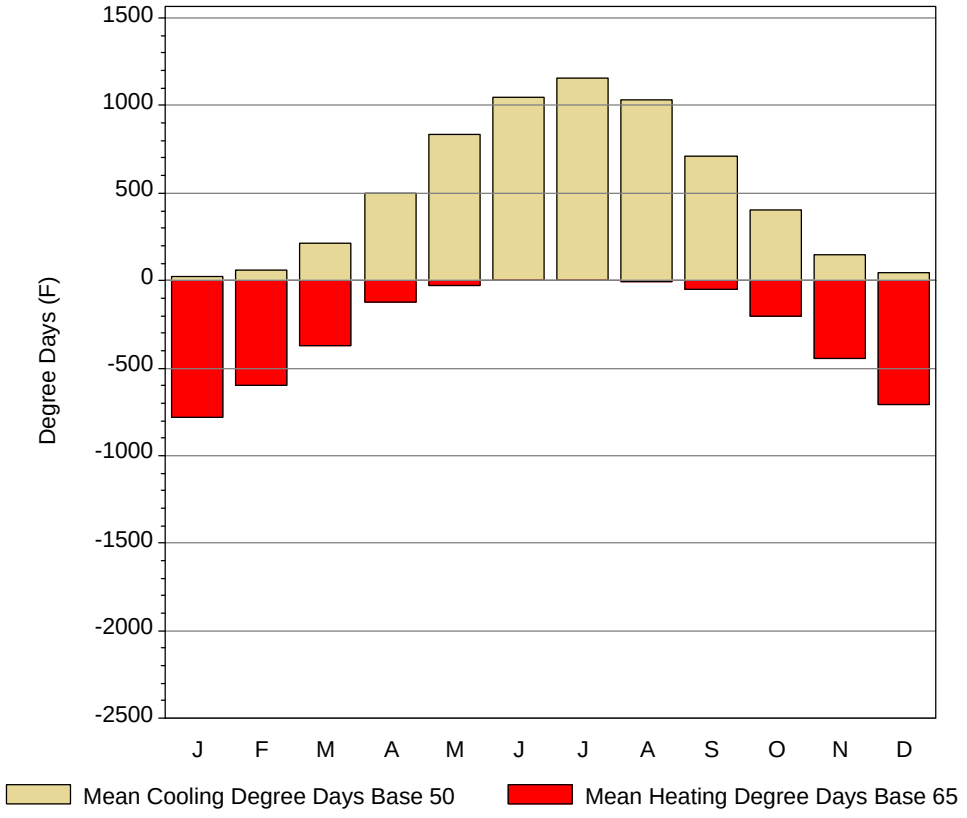
Long Term Humidity and Dry Bulb Temperature Summary



Long Term Humidity and Dry Bulb Temperature Summary

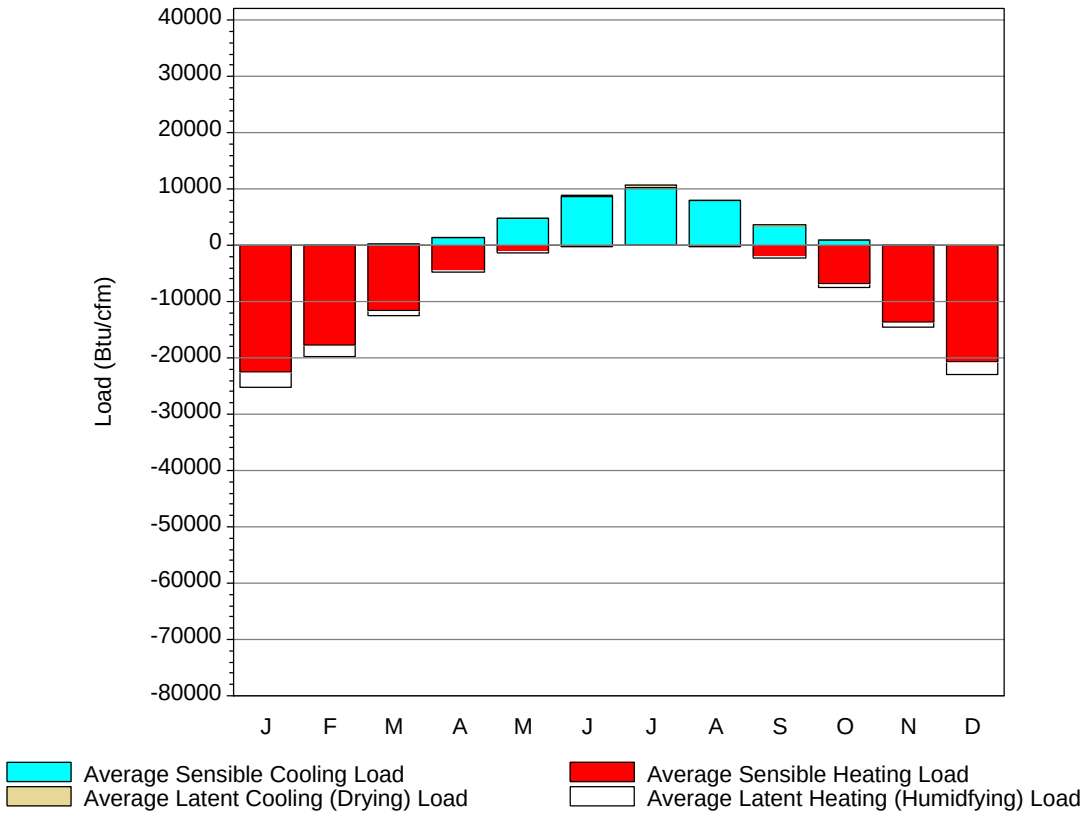
Week Ending	1.0% Temp (°F)	MCWB@ 1% Temp (°F)	Mean Max Temp (°F)	Mean Min Temp (°F)	99% Temp (°F)	1.0% HR (gr/lb)	MCDB@ 1% HR (°F)	Mean Max HR (gr/lb)	Mean Min HR (gr/lb)
7-Jan	64	49.5	50.7	31.9	16	47.6	51.2	33.9	23.4
14-Jan	61	47.1	48.3	31.1	12	49	51.9	32.3	22.8
21-Jan	63	49	49.1	31.7	13	48.3	52.3	33	23.3
28-Jan	64	49.1	50.7	32.5	9	49.7	51.1	34	24.1
4-Feb	66	50.3	53.3	34	14	51.8	54.8	35.4	24.2
11-Feb	68	51	51.9	33.4	14	55.3	56.6	35.1	24
18-Feb	68	52.7	53.1	34.5	21	59.5	55.9	36.8	25.3
25-Feb	70	52.6	57	37.3	27	56	56.7	38.8	26.5
4-Mar	74	53.7	59.2	39	27	57.4	58.2	40	27.1
11-Mar	79	55.2	62.5	41.5	31	63.7	59.6	43.8	30.3
18-Mar	82	58.4	64.9	43.7	32	72.8	61.1	47.7	31.2
25-Mar	84	58.5	67.2	45.6	32	67.2	59.9	49.8	34.1
1-Apr	85	59.6	70.4	48.6	38	72.8	64.7	55.4	36.3
8-Apr	86	60.1	72	48.7	40	70	64.7	55.3	35.8
15-Apr	91	63.4	78.5	53.4	43	83.3	73	61.2	39.2
22-Apr	94	64.4	81.9	56.2	45	84.7	69.3	65.3	42.3
29-Apr	96	65.6	84.4	58.2	50	90.3	71.5	69	43.6
6-May	98	65.6	85.5	59.6	46	93.1	68.9	67.4	41.7
13-May	102	66.1	88.9	62.1	52	89.6	73.5	72.8	43.3
20-May	103	68.1	91.7	64	57	90.3	71	72.3	41.1
27-May	100	66.4	92.3	64.2	57	84	76.5	69.2	39.6
4-Jun	104	68	96.2	66.3	59	88.9	78.2	71.7	38.5
10-Jun	106	66.9	98.2	68	62	93.1	73.7	73.8	40.5
17-Jun	106	67.4	99.1	68.8	63	88.9	77.9	74.6	39.4
24-Jun	108	69.3	102.2	70.6	64	98	90.9	79.1	41.5
1-Jul	108	69.4	102.2	71.3	67	95.9	89.5	79.9	42.1
8-Jul	109	69.6	103.5	71.8	68	95.9	89.3	81.6	41.4
15-Jul	109	70.7	102.8	72	67	101.5	89.3	81.1	42.4
22-Jul	109	70.4	102.5	71.5	67	102.9	91.5	82.7	44.3
29-Jul	108	69.2	102.5	71.4	67	95.9	83.7	82.4	43.4
5-Aug	108	70.2	101.7	70.9	66	102.9	89.9	82.1	42.9
12-Aug	107	70.8	101.4	69.3	64	98.7	85.8	79.2	42
19-Aug	105	69.2	99.3	66.8	63	91	82.4	75.3	38.9
26-Aug	104	67.4	98.5	65.4	61	87.5	79.3	75.2	38.6
2-Sep	102	67.8	96	63.8	59	86.1	80.6	72	38.8
9-Sep	101	66.8	94	60.7	54	84.7	81.4	67.9	36.4
16-Sep	99	66.5	92.4	59	53	77.7	79.6	63.3	34.1
23-Sep	97	65.1	88.7	56.7	50	81.9	82.2	63.2	35.2
30-Sep	95	63.5	86.1	54.3	48	72.8	73.1	59.2	34.2
7-Oct	93	63	83.2	53.3	45	72.1	72	57.2	34.3
14-Oct	88	61.5	79.1	49.8	41	70.7	67.8	51.8	32.3
21-Oct	86	60.3	76.6	47.7	38	67.9	66.3	50.6	32.4
28-Oct	86	60.6	74.5	46.3	38	62.3	64.1	46.4	30.2
4-Nov	86	58.8	72.7	46.3	37	63.7	59.9	48.6	33.4
11-Nov	82	59.8	67.5	43.3	31	62.3	62.6	47.3	32.6
18-Nov	75	55.7	63.6	41.2	32	63	58.8	43.8	30.7
25-Nov	73	55.9	60.2	39.3	28	63	62.6	41.3	29.2
2-Dec	72	52.9	58.1	36.5	27	52.5	56.3	37.2	26.5
9-Dec	69	52.4	54.4	35.2	16	56.7	54.9	38.1	26.4
16-Dec	66	49.9	53.4	33.9	21	55.3	53.5	35.7	25.4
23-Dec	65	50.7	52.2	34.3	23	52.5	51.9	35.9	25.7
31-Dec	66	51.2	51.3	32.6	16	46.9	53.2	33.8	23.8

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	26.1	0.6	778
FEB	58	3.3	600.3
MAR	211.6	37.1	368.7
APR	500.8	165.9	123.9
MAY	835.5	396	26.3
JUN	1050.9	602.4	1.5
JUL	1154.3	689.4	0.1
AUG	1030.2	568.1	2.9
SEP	712.7	309.5	47.3
OCT	400.6	116.6	205.1
NOV	145.4	22.4	442.1
DEC	42.6	1.5	706.3
ANN	6168.7	2912.8	3302.5

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	-22565	0	-2664
FEB	5	-17709	0	-2106
MAR	166	-11612	1	-768
APR	1440	-4460	55	-217
MAY	4707	-1164	120	-179
JUN	8644	-123	170	-65
JUL	10271	-22	334	-39
AUG	7886	-224	204	-64
SEP	3542	-1972	25	-200
OCT	859	-6889	1	-623
NOV	85	-13561	0	-885
DEC	0	-20690	0	-2145
ANN	37605	-100991	910	-9955

Station Information		Shading Geometry in Dimensionless Units	
City, State, WBAN	N/A	N/A	N/A
Lat, Lon, Elev	N/A	N/A	N/A
Press Stn Type	N/A	N/A	N/A

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

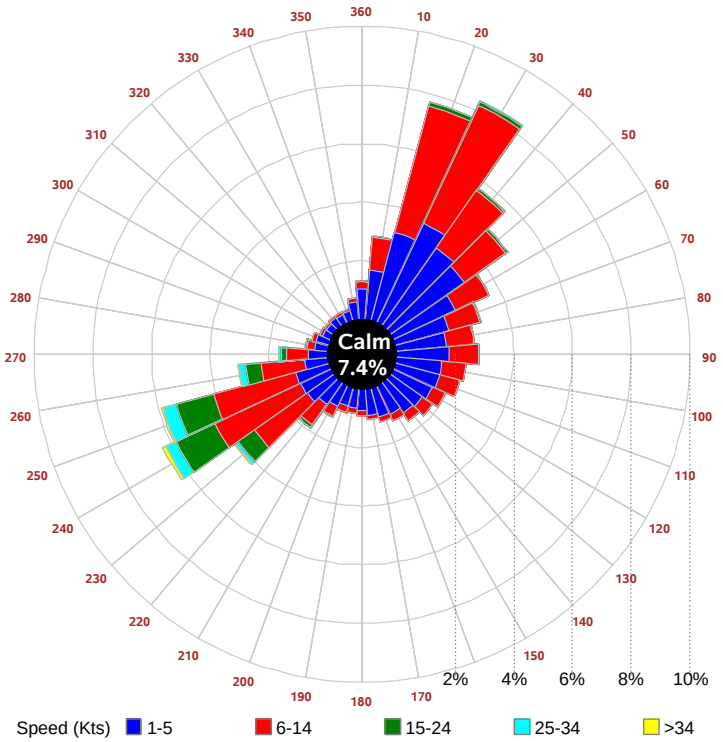
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
HORIZ.	Global													
	Std.Dev.													
	Minimum													
	Maximum													
	Diffuse													
Clear Day	Global													
NORTH	Global													
	Diffuse													
Clear Day	Global													
EAST	Global													
	Diffuse													
Clear Day	Global													
SOUTH	Global													
	Diffuse													
Clear Day	Global													
WEST	Global													
	Diffuse													
Clear Day	Global													

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													
NORTH	Unshaded													
	Shaded													
EAST	Unshaded													
	Shaded													
SOUTH	Unshaded													
	Shaded													
WEST	Unshaded													
	Shaded													

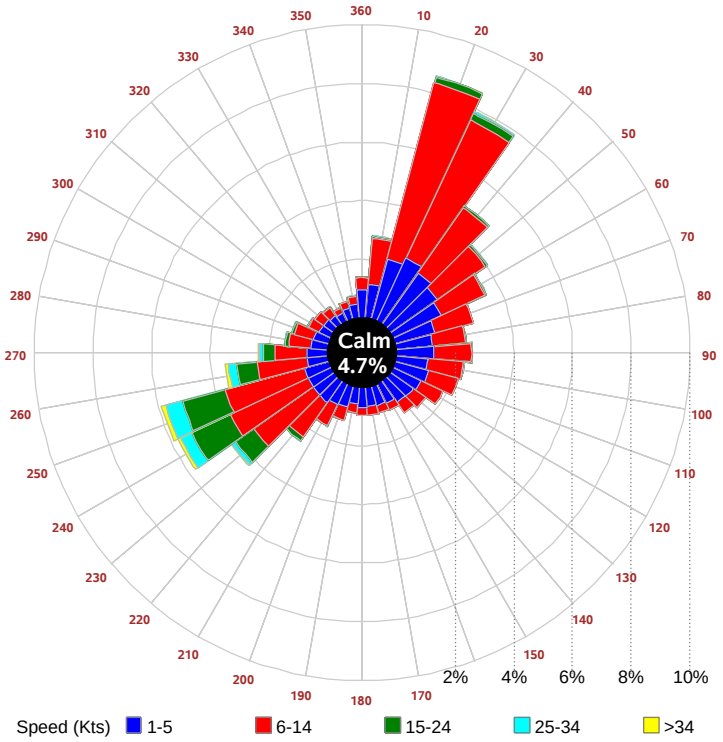
AVERAGE INCIDENT ILLUMINENCE (klux-hr) FOR MOSTLY CLEAR AND MOSTLY CLOUDY CONDITIONS, Percentage Uncertainty = 9											
				March					June		
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear										
	M.Cloudy										
NORTH	M.Clear										
	M.Cloudy										
EAST	M.Clear										
	M.Cloudy										
SOUTH	M.Clear										
	M.Cloudy										
WEST	M.Clear										
	M.Cloudy										
M.Clear	(% hrs)										

				Sept					Dec		
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear										
	M.Cloudy										
NORTH	M.Clear										
	M.Cloudy										
EAST	M.Clear										
	M.Cloudy										
SOUTH	M.Clear										
	M.Cloudy										
WEST	M.Clear										
	M.Cloudy										
M.Clear	(% hrs)										

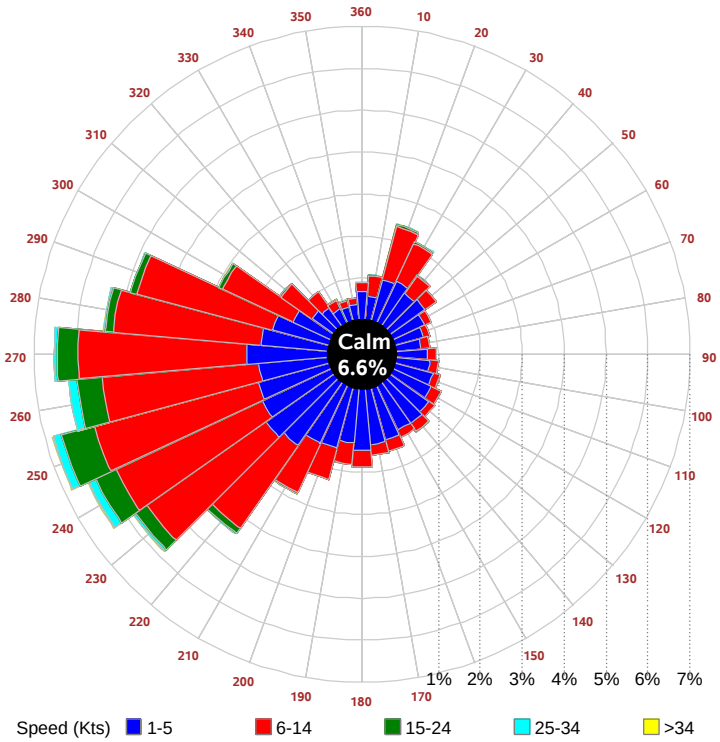
Wind Summary - December, January, and February



Wind Summary - March, April, and May



Wind Summary - June, July, and August



Wind Summary - September, October, and November