

JACKSON/THOMPSON MS

Latitude = 32.32 N

WMO No. 722350

Longitude = 90.08 W

Elevation = 331 feet

Period of Record = 1973 to 1996

Average Pressure = 29.68 inches Hg

Design Criteria Data

	Design Value	Mean Coincident (Average) Values			
		Wet Bulb Temperature (°F)	Humidity Ratio (gr/lb)	Wind Speed (mph)	Prevailing Direction (NSEW)
Dry Bulb Temperature (T)	(°F)				
Median of Extreme Highs	98	78	113	7.7	N
0.4% Occurrence	96	77	111	7.4	N
1.0% Occurrence	94	77	112	7.6	N
2.0% Occurrence	92	76	113	7.7	W
Mean Daily Range	21	-	-	-	-
97.5% Occurrence	29	27	18	5.3	N
99.0% Occurrence	25	23	15	5.1	N
99.6% Occurrence	21	20	12	6.7	N
Median of Extreme Lows	15	14	9	6.7	NNW
	Design Value	Mean Coincident (Average) Values			
		Dry Bulb Temperature (°F)	Humidity Ratio (gr/lb)	Wind Speed (mph)	Prevailing Direction (NSEW)
Wet Bulb Temperature (T_{wb})	(°F)				
Median of Extreme Highs	82	93	148	7.2	NW
0.4% Occurrence	80	91	137	6.6	W
1.0% Occurrence	79	90	133	6.6	W
2.0% Occurrence	78	88	130	6.7	W
	Design Value	Mean Coincident (Average) Values			
		Dry Bulb Temperature (°F)	Vapor Pressure (in. Hg)	Wind Speed (mph)	Prevailing Direction (NSEW)
Humidity Ratio (HR)	(gr/lb)				
Median of Extreme Highs	153	86	1.00	4.3	WSW
0.4% Occurrence	142	83	0.94	4.5	W
1.0% Occurrence	137	83	0.90	5.6	S
2.0% Occurrence	133	82	0.88	6.1	S
Air Conditioning/ Humid Area Criteria	# of Hours	T ≥ 93°F	T ≥ 80°F	T _{wb} ≥ 73°F	T _{wb} ≥ 67°F
		142	1513	1762	3369

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	4.3	90	6.4 + 1.7
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 (#)
66.4	5	3	32

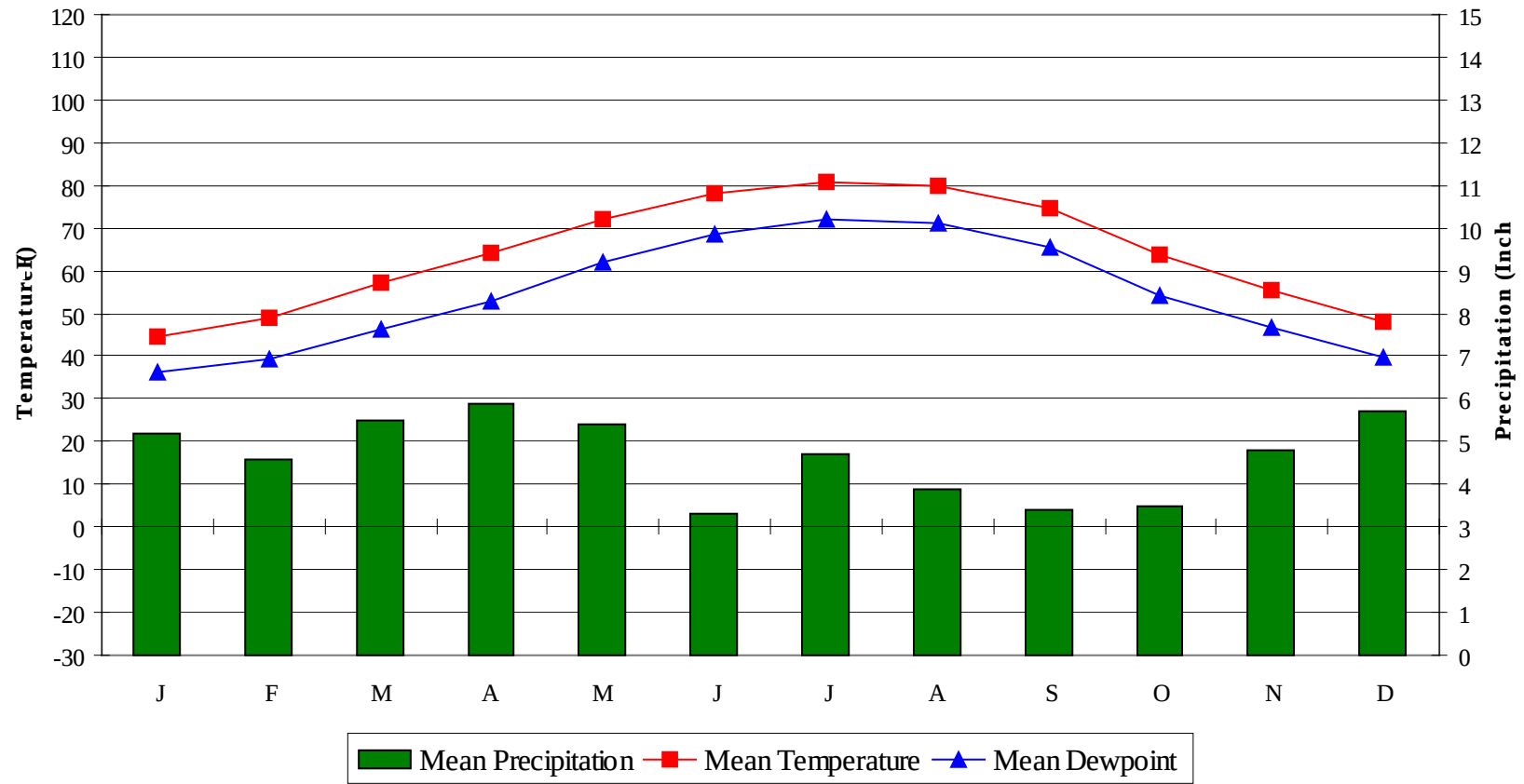
*Note: Temperatures at greater depths can be estimated by adding 1.5°F per 100 feet additional depth.

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Average Annual Climate

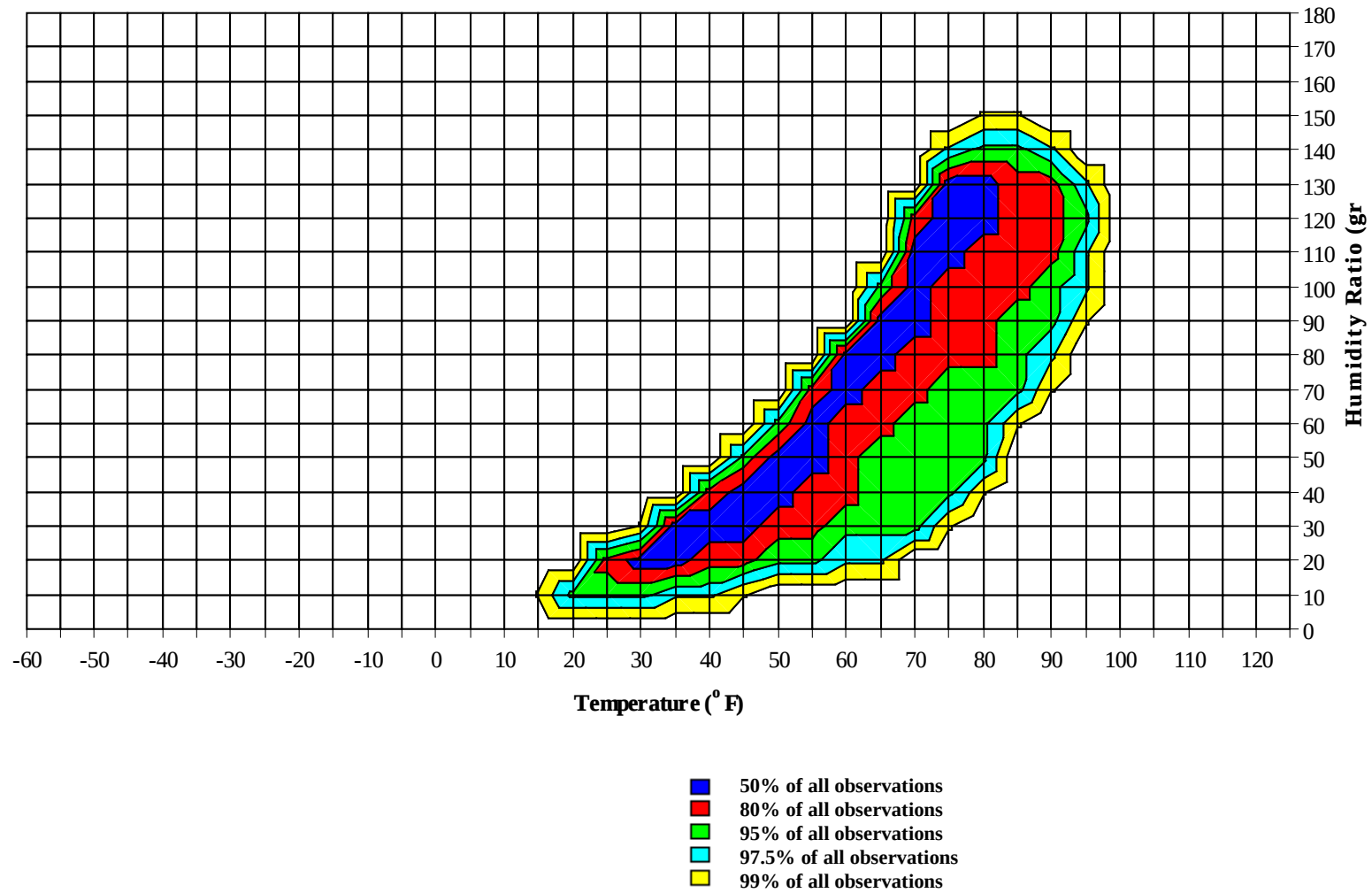


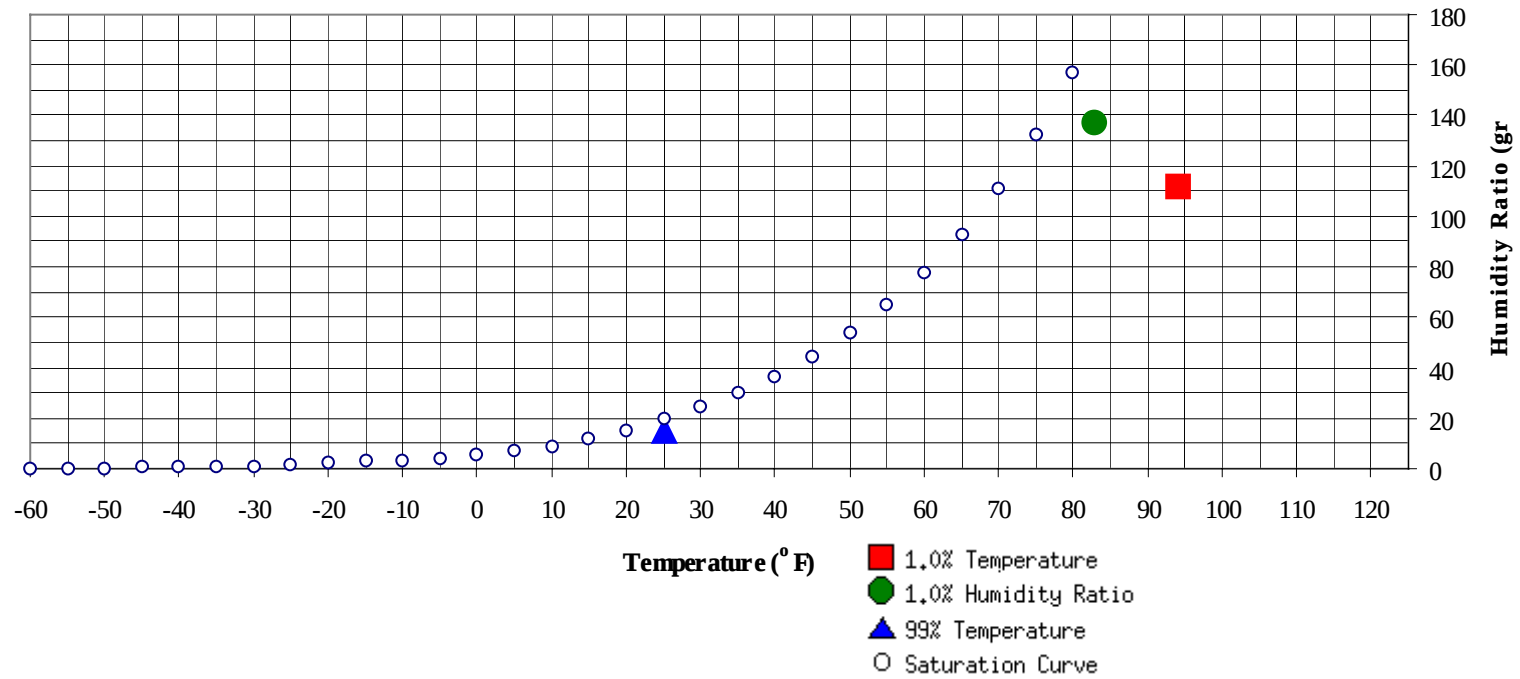
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Long Term Psychrometric Summary



Psychrometric Summary of Peak Design Values

	(°F)	MCHR (gr/lb)	Enthalpy (btu/lb)	1.0% Humidity Ratio	(gr/lb)	MCDB (°F)	MCWB (°F)	MC Dewpt (°F)	Enthalpy (btu/lb)
99% Dry Bulb	25	15.1	8.3		137.2	82.8	77.8	75.9	41.4

	(°F)	MCHR (gr/lb)	MCWB (°F)	Enthalpy (btu/lb)
1.0% Dry Bulb	94	111.7	76.7	40.2

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Dry-Bulb Temperature Hours For An Average Year (Sheet 1 of 5)**Period of Record = 1973 to 1996**

Temperature Range (°F)	January					February					March				
	Hour Group (LST)			Total Obs	M C W B (°F)	Hour Group (LST)			Total Obs	M C W B (°F)	Hour Group (LST)			Total Obs	M C W B (°F)
	01 To 08	09 To 16	17 To 00			01 To 08	09 To 16	17 To 00			01 To 08	09 To 16	17 To 00		
100 / 104															
95 / 99															
90 / 94															
85 / 89												2	0	3	68.2
80 / 84		0		0	68.0		2	0	3	64.1		14	3	17	65.8
75 / 79		3	0	4	65.9		9	2	11	63.4	0	31	13	44	64.0
70 / 74	1	10	3	15	63.5	1	19	10	30	61.8	7	37	24	69	62.4
65 / 69	6	17	10	33	60.8	8	28	17	53	59.2	19	38	33	91	59.9
60 / 64	11	24	18	54	56.9	15	31	24	70	56.2	33	40	38	111	56.3
55 / 59	17	31	22	70	52.4	22	28	29	80	51.9	34	32	40	105	51.9
50 / 54	20	38	28	86	47.8	25	27	29	81	47.6	43	24	36	103	48.1
45 / 49	29	33	35	97	43.5	31	25	30	86	43.2	35	13	23	71	43.5
40 / 44	32	35	38	106	38.8	29	22	28	79	38.7	30	10	21	60	39.4
35 / 39	40	25	37	103	34.4	31	17	25	73	34.3	26	3	11	40	35.3
30 / 34	36	15	28	79	29.9	30	9	17	56	30.0	14	2	5	20	30.6
25 / 29	32	10	19	61	25.4	19	4	9	32	25.6	4	1	1	6	25.7
20 / 24	16	3	5	24	20.9	9	1	3	13	21.1	2	0	1	3	20.5
15 / 19	6	0	2	9	16.4	3	1	1	4	16.4	0			0	16.5
10 / 14	1	0	0	2	10.7	1	0	0	1	11.3					
5 / 9	1	0	0	1	6.0										
0 / 4	0		0	1	2.3										

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.

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Dry-Bulb Temperature Hours For An Average Year (Sheet 2 of 5)**Period of Record = 1973 to 1996**

Temperature Range (°F)	April					May					June				
	Hour Group (LST)			Total Obs	M C W B (°F)	Hour Group (LST)			Total Obs	M C W B (°F)	Hour Group (LST)			Total Obs	M C W B (°F)
	01 To 08	09 To 16	17 To 00			01 To 08	09 To 16	17 To 00			01 To 08	09 To 16	17 To 00		
100 / 104												0	0	1	73.3
95 / 99							0		0	75.3		8	1	10	75.8
90 / 94		1	0	1	67.3		7	1	8	73.8		55	13	68	75.3
85 / 89		8	1	9	69.4		51	12	63	71.9	1	81	25	106	74.3
80 / 84		42	11	53	67.1	2	70	26	97	69.9	15	60	43	118	73.4
75 / 79	2	50	22	74	65.3	16	57	47	120	68.6	58	26	74	158	72.5
70 / 74	19	48	38	104	63.6	55	39	66	160	67.3	98	8	61	167	70.1
65 / 69	37	40	48	126	60.8	80	17	55	152	64.2	43	1	17	61	65.6
60 / 64	45	28	44	117	57.6	46	6	25	77	59.5	16		5	21	60.7
55 / 59	45	14	31	91	53.3	28	1	12	41	55.0	7		1	8	56.2
50 / 54	34	7	23	64	49.0	14	0	5	19	50.8	1		0	1	52.0
45 / 49	28	2	14	44	44.8	6		1	7	46.5	0			0	48.0
40 / 44	20	1	6	26	40.9	1			1	42.6					
35 / 39	7	0	1	8	36.2										
30 / 34	3		0	3	32.2										
25 / 29	0			0	28.0										
20 / 24															
15 / 19															
10 / 14															
5 / 9															
0 / 4															

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Dry-Bulb Temperature Hours For An Average Year (Sheet 3 of 5)**Period of Record = 1973 to 1996**

Temperature Range (°F)	July					August					September				
	Hour Group (LST)			Total Obs	M C W B (°F)	Hour Group (LST)			Total Obs	M C W B (°F)	Hour Group (LST)			Total Obs	M C W B (°F)
	01 To 08	09 To 16	17 To 00			01 To 08	09 To 16	17 To 00			01 To 08	09 To 16	17 To 00		
100 / 104		2	0	2	79.1		1		1	76.6		1	0	1	74.2
95 / 99		18	3	21	78.0		17	2	19	77.5		5	0	5	75.5
90 / 94	0	83	20	103	77.1		73	15	88	76.7	0	31	4	36	75.1
85 / 89	3	79	28	110	76.4	1	83	25	109	75.8	0	63	12	75	73.8
80 / 84	22	44	54	120	75.6	14	48	48	110	75.0	3	61	27	92	72.4
75 / 79	98	16	95	209	74.1	77	21	100	199	73.9	33	40	66	139	71.8
70 / 74	108	5	44	156	71.4	125	5	50	180	71.0	90	23	68	180	69.4
65 / 69	15	0	3	19	66.5	23	0	7	30	66.1	46	10	32	87	64.2
60 / 64	3		0	3	61.8	6		2	8	61.2	31	4	19	55	59.8
55 / 59						2		0	2	57.2	22	1	8	31	55.3
50 / 54											8	0	4	12	51.1
45 / 49											5		1	6	47.1
40 / 44											1		0	1	43.3
35 / 39															
30 / 34															
25 / 29															
20 / 24															
15 / 19															
10 / 14															
5 / 9															
0 / 4															

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Dry-Bulb Temperature Hours For An Average Year (Sheet 4 of 5)**Period of Record = 1973 to 1996**

Temperature Range (°F)	October					November					December				
	Hour Group (LST)			Total Obs	M C W B (°F)	Hour Group (LST)			Total Obs	M C W B (°F)	Hour Group (LST)			Total Obs	M C W B (°F)
	01 To 08	09 To 16	17 To 00			01 To 08	09 To 16	17 To 00			01 To 08	09 To 16	17 To 00		
100 / 104															
95 / 99															
90 / 94		1	0	1	75.1										
85 / 89		15	1	15	70.6		0		0	65.3					
80 / 84	0	45	5	50	68.2		9	0	10	68.2		1	0	1	71.8
75 / 79	3	52	17	72	66.3	1	30	4	36	66.7	0	8	1	9	68.2
70 / 74	24	53	42	119	65.1	10	35	17	62	64.9	5	18	8	31	65.3
65 / 69	36	37	46	119	62.0	23	36	30	88	61.4	12	25	16	53	61.8
60 / 64	38	24	42	104	58.0	28	36	34	98	57.2	16	34	22	72	57.0
55 / 59	40	12	39	91	54.1	28	32	34	94	52.5	20	34	27	80	52.1
50 / 54	42	5	31	78	49.9	30	29	35	94	47.9	27	37	32	96	47.6
45 / 49	29	1	17	47	45.5	29	16	31	76	43.5	28	33	33	95	43.1
40 / 44	22	0	7	29	41.2	32	10	27	69	39.7	29	29	34	92	38.8
35 / 39	12	0	2	14	36.7	29	3	18	49	35.4	33	15	34	83	34.6
30 / 34	3		0	3	31.8	21	1	9	31	31.2	35	9	23	68	30.2
25 / 29	0		0	0	28.0	9	0	2	11	26.8	28	4	12	43	25.7
20 / 24						1	0	0	2	22.5	9	1	3	14	20.9
15 / 19						0			0	18.0	3	1	1	5	15.9
10 / 14											1	1	1	3	10.1
5 / 9											1	0	0	1	6.2
0 / 4											0			0	3.0

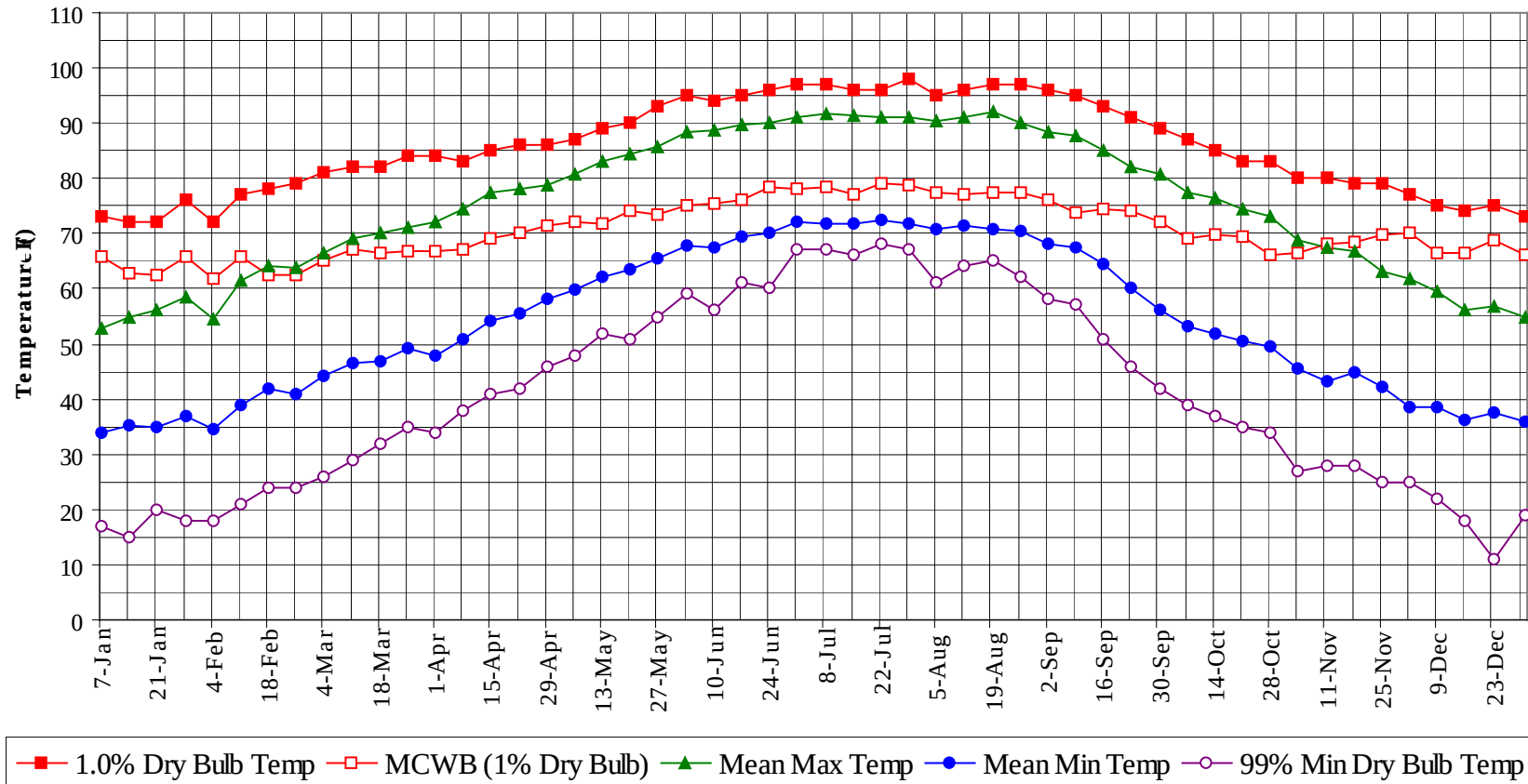
Caution: This summary reflects the typical distribution of temperature in a typical year. It does not reflect the typical moisture distribution. Because wet bulb temperatures are averaged, this summary understates the annual moisture load. For accurate moisture load data, see the long-term humidity summary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

JACKSON/THOMPSON MS WMO No. 722350
Dry-Bulb Temperature Hours For An Average Year (Sheet 5 of 5)
Period of Record = 1973 to 1996

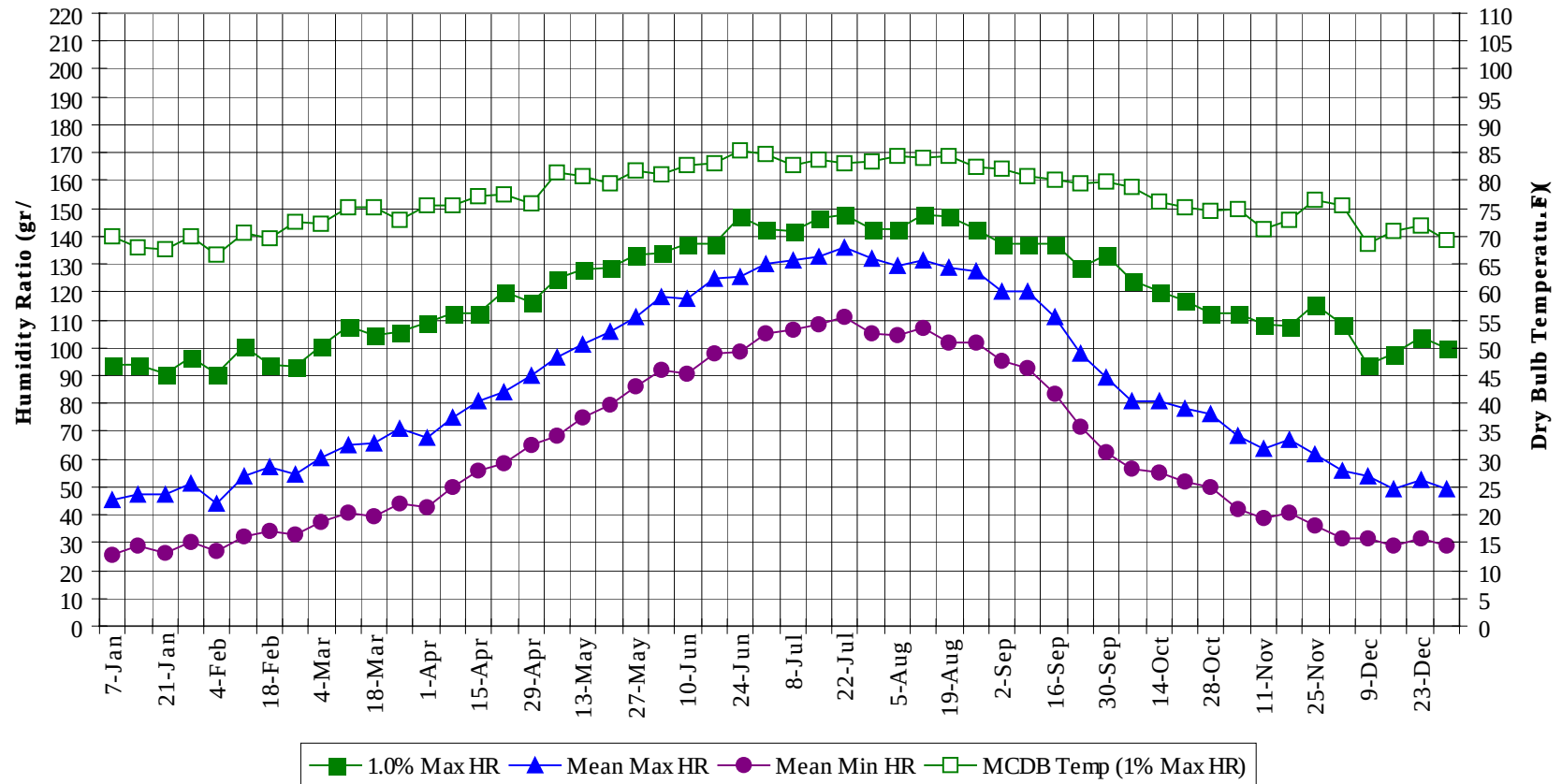
Annual Totals					
Temperature Range (°F)	Hour Group (LST)			Total Obs	M C W B (°F)
	01 To 08	09 To 16	17 To 00		
100 / 104		4	0	4	76.9
95 / 99		48	7	55	77.2
90 / 94	0	249	53	303	76.2
85 / 89	5	380	103	488	74.5
80 / 84	55	395	218	668	72.2
75 / 79	288	343	441	1072	70.9
70 / 74	540	301	430	1271	67.9
65 / 69	348	250	315	912	62.4
60 / 64	288	228	274	791	57.7
55 / 59	266	186	243	695	52.9
50 / 54	244	169	223	636	48.3
45 / 49	221	124	185	531	43.7
40 / 44	197	108	161	466	39.3
35 / 39	179	65	129	372	34.8
30 / 34	142	36	83	261	30.2
25 / 29	93	18	43	155	25.6
20 / 24	38	5	12	55	21.0
15 / 19	13	2	3	18	16.3
10 / 14	3	1	2	6	10.5
5 / 9	1	0	0	2	6.1
0 / 4	0		0	1	2.4

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Annual Summary of Temperatures



Long Term Humidity and Dry Bulb Temperature Summary



JACKSON/THOMPSON**MS****WMO No. 722350****Long Term Dry Bulb Temperature and Humidity Summary**

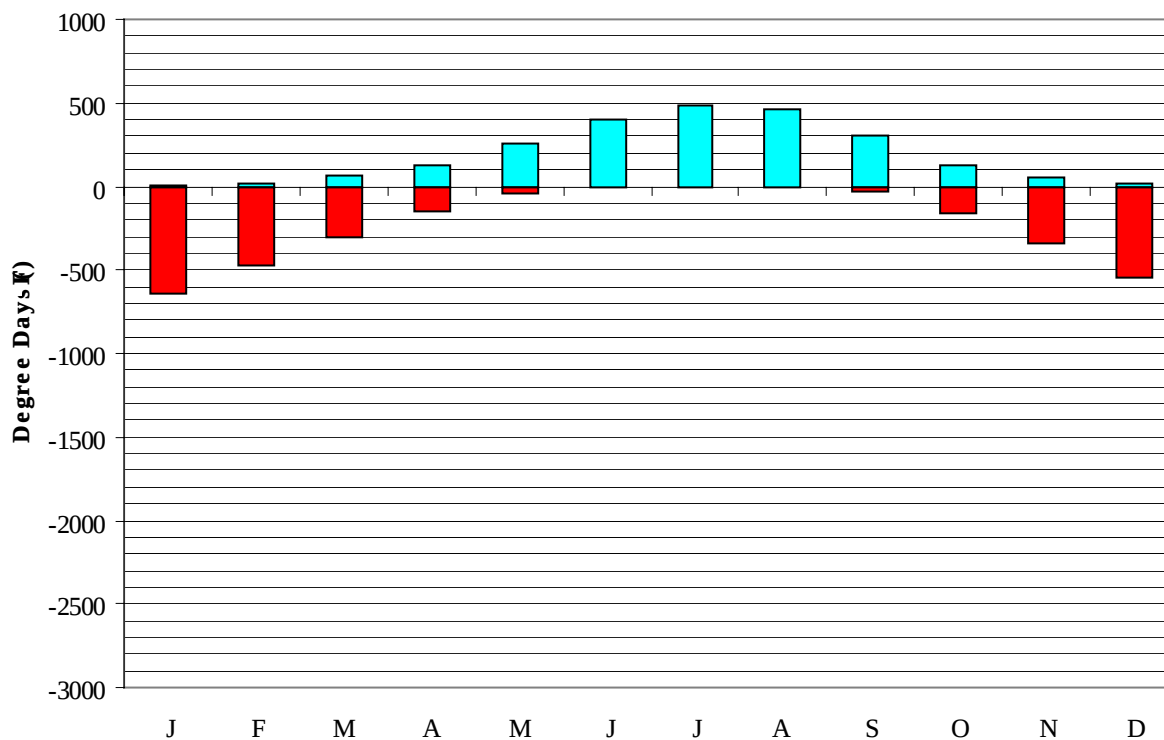
Week Ending	1.0% Temp (°F)	MCWB @ 1% Temp (°F)	Mean Max Temp (°F)	Mean Min Temp (°F)	99% Temp (°F)	1.0% HR (gr/lb)	MCDB @ 1% HR (°F)	Mean Max HR (gr/lb)	Mean Min HR (gr/lb)
7-Jan	73.0	65.6	52.8	34.0	17.0	93.8	69.8	45.4	25.6
14-Jan	72.0	62.7	55.0	35.2	15.0	93.8	67.8	47.6	29.1
21-Jan	72.0	62.3	56.0	35.0	20.0	90.3	67.5	47.1	26.2
28-Jan	76.0	65.9	58.3	36.9	18.0	96.6	69.9	51.5	30.3
4-Feb	72.0	61.8	54.4	34.6	18.0	90.3	66.8	44.0	26.7
11-Feb	77.0	65.7	61.4	38.9	21.0	100.8	70.5	53.9	32.0
18-Feb	78.0	62.3	64.2	42.0	24.0	93.8	69.7	57.3	34.3
25-Feb	79.0	62.6	63.7	41.0	24.0	93.1	72.4	54.6	32.6
4-Mar	81.0	65.2	66.4	44.1	26.0	100.8	72.2	60.5	37.6
11-Mar	82.0	67.1	69.1	46.5	29.0	107.8	75.1	65.3	40.5
18-Mar	82.0	66.4	70.1	46.7	32.0	104.3	75.2	65.4	39.4
25-Mar	84.0	66.8	71.2	49.1	35.0	105.7	73.0	70.8	44.3
1-Apr	84.0	66.9	72.2	48.0	34.0	109.2	75.7	67.8	42.6
8-Apr	83.0	67.3	74.4	51.0	38.0	112.0	75.5	74.8	49.6
15-Apr	85.0	69.0	77.6	54.1	41.0	112.0	77.2	80.5	55.6
22-Apr	86.0	70.0	78.2	55.5	42.0	120.4	77.6	84.1	58.7
29-Apr	86.0	71.6	78.8	58.1	46.0	116.2	76.0	90.3	65.0
6-May	87.0	72.2	80.9	59.8	48.0	124.6	81.5	96.3	68.5
13-May	89.0	71.8	83.2	62.1	52.0	128.1	80.7	100.9	74.6
20-May	90.0	74.1	84.4	63.5	51.0	128.8	79.6	105.5	79.3
27-May	93.0	73.5	85.8	65.5	55.0	133.0	81.7	111.3	85.9
3-Jun	95.0	74.9	88.3	67.9	59.0	133.7	81.2	118.1	92.2
10-Jun	94.0	75.5	88.8	67.5	56.0	137.2	82.8	117.4	90.4
17-Jun	95.0	76.2	89.8	69.6	61.0	137.2	82.9	124.8	97.9
24-Jun	96.0	78.3	90.1	70.0	60.0	147.0	85.2	125.6	98.6
1-Jul	97.0	78.1	91.0	72.0	67.0	142.8	84.8	130.0	104.8
8-Jul	97.0	78.3	91.6	71.9	67.0	142.1	82.8	131.5	106.1
15-Jul	96.0	77.2	91.4	71.8	66.0	146.3	83.6	132.6	108.1
22-Jul	96.0	79.2	91.2	72.6	68.0	147.7	83.2	135.7	111.2
29-Jul	98.0	78.6	91.1	71.6	67.0	142.8	83.5	132.1	105.2
5-Aug	95.0	77.5	90.5	70.8	61.0	142.8	84.3	129.5	104.6
12-Aug	96.0	77.2	91.0	71.3	64.0	147.7	84.0	131.1	107.0
19-Aug	97.0	77.4	91.9	70.8	65.0	147.0	84.4	128.9	101.7
26-Aug	97.0	77.6	90.2	70.5	62.0	142.8	82.5	127.7	102.1
2-Sep	96.0	76.2	88.3	68.1	58.0	137.2	82.2	120.4	95.1
9-Sep	95.0	73.6	87.8	67.6	57.0	137.2	80.9	119.9	92.7
16-Sep	93.0	74.4	85.1	64.5	51.0	137.2	80.1	110.7	83.6
23-Sep	91.0	74.0	82.2	60.1	46.0	128.8	79.6	97.6	71.5
30-Sep	89.0	72.3	80.6	56.3	42.0	133.0	79.9	89.4	62.4
7-Oct	87.0	69.3	77.4	53.2	39.0	123.9	78.7	81.0	56.6
14-Oct	85.0	69.6	76.4	51.8	37.0	120.4	76.2	80.5	55.2
21-Oct	83.0	69.5	74.6	50.6	35.0	116.9	75.1	78.3	51.8
28-Oct	83.0	66.0	73.1	49.6	34.0	112.0	74.6	76.0	50.2
4-Nov	80.0	66.4	68.9	45.5	27.0	112.0	74.7	68.4	42.1
11-Nov	80.0	68.1	67.4	43.1	28.0	108.5	71.1	63.5	39.0
18-Nov	79.0	68.3	66.8	44.9	28.0	107.8	72.7	67.1	41.0
25-Nov	79.0	69.9	63.2	42.1	25.0	115.5	76.6	61.6	36.4
2-Dec	77.0	70.1	61.9	38.7	25.0	108.5	75.6	55.6	31.8
9-Dec	75.0	66.3	59.5	38.5	22.0	93.8	68.5	53.6	31.4
16-Dec	74.0	66.6	56.2	36.3	18.0	98.0	70.9	49.2	29.0
23-Dec	75.0	68.9	56.8	37.7	11.0	103.6	72.0	52.6	31.5
31-Dec	73.0	66.1	54.7	35.8	19.0	100.1	69.3	49.0	28.6

JACKSON/THOMPSON

MS

WMO No. 722350

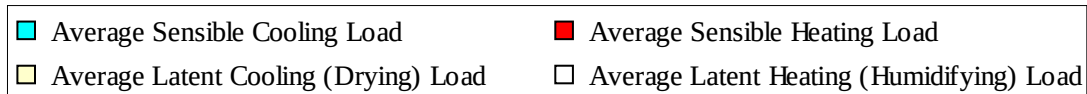
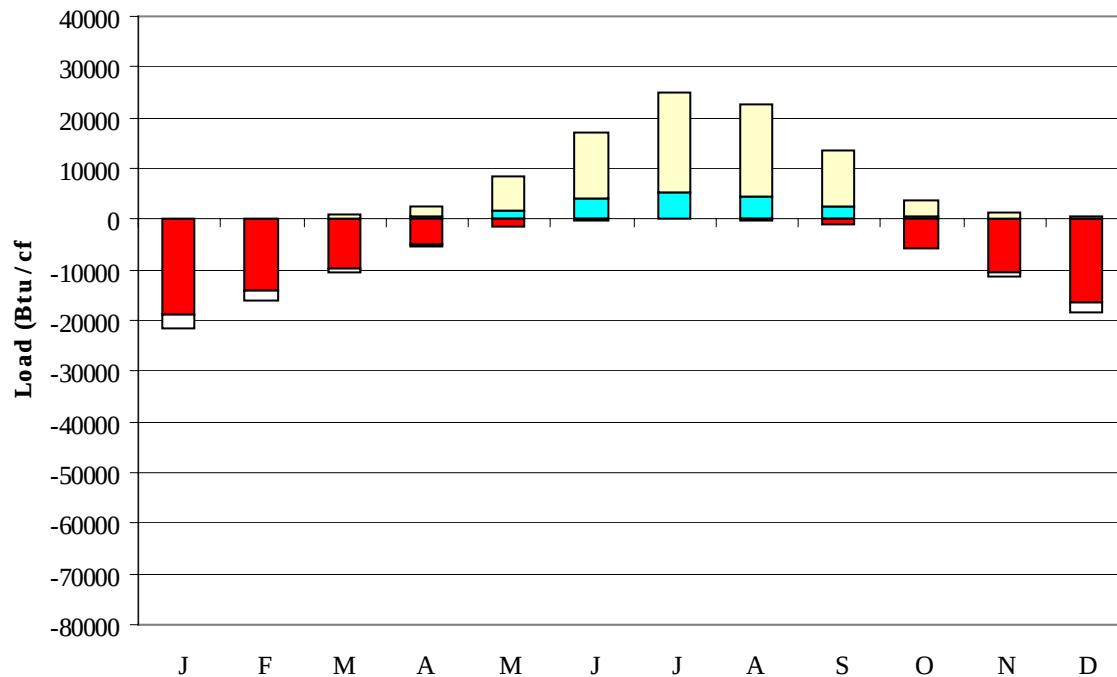
Degree Days, Heating and Cooling
(Base 65°F)



■ Mean Cooling Degree Days ■ Mean Heating Degree Days

	Mean Cooling Degree Days (°F)	Mean Heating Degree Days (°F)
JAN	8	645
FEB	19	470
MAR	61	302
APR	121	148
MAY	254	37
JUN	403	5
JUL	486	0
AUG	459	1
SEP	311	27
OCT	129	166
NOV	48	337
DEC	17	545
ANN	2317	2683

Average Ventilation and Infiltration Loads
(Outside Air vs. 75°F, 60% RH summer; 68°F, 30% RH winter)



	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	6	-19004	212	-2552
FEB	36	-14144	271	-1777
MAR	223	-9650	815	-720
APR	641	-5164	1845	-126
MAY	1874	-1587	6415	-2
JUN	3956	-291	13320	0
JUL	5135	-27	19800	0
AUG	4670	-91	18149	0
SEP	2681	-1132	10799	0
OCT	718	-5648	3075	-96
NOV	128	-10556	1273	-773
DEC	18	-16319	573	-2041
ANN	20086	-83613	76547	-8087

Average Annual Solar Radiation – Nearest Available Site

(Source: National Renewable Energy Laboratory, Golden CO, 1995)

City: JACKSON
 State: MS
 WBAN No: 3940
 Lat(N): 32.32
 Long(W): 90.08
 Elev(ft): 331

Stn Type: Secondary
 SHADING GEOMETRY IN DIMENSIONLESS UNITS

Window: 1
 Overhang: 0.321
 Vert Gap: 0.257

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	830	1090	1420	1750	1950	2030	1950	1840	1560	1330	940	770	1460
	Std Dev	64	90	110	135	128	116	123	110	90	119	72	62	32
	Minimum	690	920	1200	1500	1760	1750	1720	1630	1370	1060	730	670	1370
	Maximum	980	1260	1700	2130	2240	2270	2200	2060	1700	1550	1060	890	1500
	Diffuse	390	470	590	710	820	880	880	800	680	490	400	360	620
Clear Day	Global	1220	1550	1960	2330	2530	2580	2510	2320	2000	1600	1250	1100	1910
NORTH	Global	240	300	380	460	560	640	590	500	410	330	260	230	410
	Diffuse	240	300	380	440	500	540	520	480	410	330	260	230	390
Clear Day	Global	230	280	350	440	590	690	630	490	390	320	240	220	410
EAST	Global	510	650	810	960	1030	1090	1060	1040	900	790	570	480	830
	Diffuse	290	360	450	540	610	640	640	600	510	410	320	270	470
Clear Day	Global	840	1020	1210	1330	1370	1370	1340	1280	1170	1000	830	770	1130
SOUTH	Global	1070	1140	1080	910	720	650	670	830	1030	1270	1170	1080	970
	Diffuse	380	440	500	530	540	540	550	560	550	490	420	370	490
Clear Day	Global	2020	1940	1640	1170	820	690	740	1000	1400	1740	1910	1960	1410
WEST	Global	540	680	850	990	1060	1060	1000	970	880	810	600	500	830
	Diffuse	290	370	460	550	620	650	630	600	520	420	330	280	480
Clear Day	Global	840	1020	1210	1330	1370	1370	1340	1280	1170	1000	830	770	1130

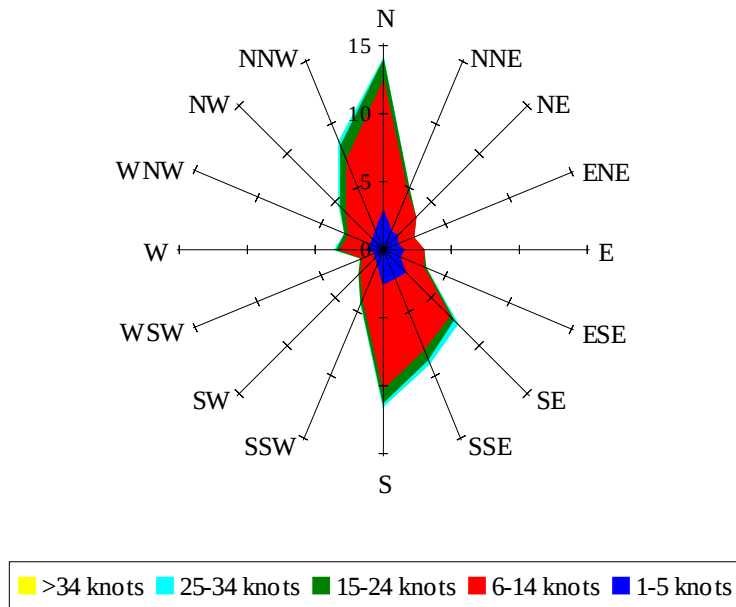
Average Annual Solar Heat and Illumination – Nearest Available Site

(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	560	760	1020	1270	1420	1480	1420	1340	1130	940	650	520	1040
NORTH	Unshaded	170	210	260	310	370	410	380	330	290	230	180	160	280
	Shaded	160	200	240	290	340	380	360	320	270	220	170	150	260
EAST	Unshaded	350	460	580	680	730	770	750	740	630	550	400	330	580
	Shaded	330	430	530	630	670	710	690	680	590	520	370	310	540
SOUTH	Unshaded	790	820	720	560	430	400	410	500	670	890	860	810	650
	Shaded	780	780	620	430	360	360	360	390	550	820	840	790	590
WEST	Unshaded	370	480	600	700	750	750	700	680	620	570	420	350	580
	Shaded	350	450	560	650	690	690	640	630	580	530	390	320	540

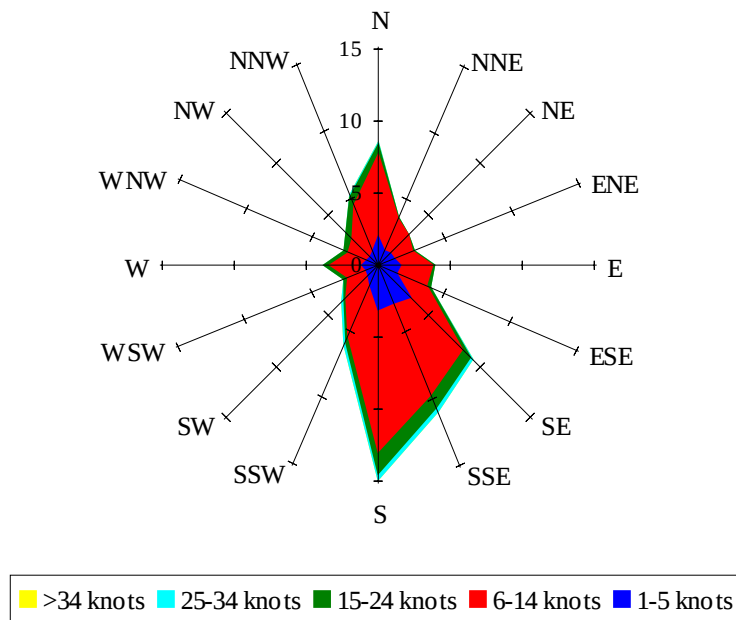
AVERAGE INCIDENT ILLUMINANCE (klux-hr) FOR MOSTLY CLEAR AND MOSTLY CLOUDY CONDITIONS, Percentage Uncertainty = 9		March					June				
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	46	81	91	72	30	46	85	103	96	66
	M.Cloudy	26	50	56	44	18	30	62	79	75	47
NORTH	M.Clear	11	15	16	14	8	23	17	17	18	19
	M.Cloudy	10	17	18	15	8	16	19	19	19	17
EAST	M.Clear	80	58	16	14	8	73	72	31	18	16
	M.Cloudy	27	32	18	15	8	35	48	28	19	16
SOUTH	M.Clear	39	67	75	60	25	13	23	34	31	16
	M.Cloudy	17	36	41	32	12	12	22	31	28	16
WEST	M.Clear	11	15	25	71	70	13	17	17	54	76
	M.Cloudy	10	17	22	36	25	12	19	19	43	47
M.Clear	(% hrs)	35	39	37	34	39	47	45	36	36	40
		Sept					Dec				
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	31	73	91	82	48	25	54	60	39	5
	M.Cloudy	18	48	64	59	33	13	30	34	22	4
NORTH	M.Clear	10	16	18	17	13	7	11	12	9	3
	M.Cloudy	8	17	19	18	12	6	12	13	9	2
EAST	M.Clear	64	71	29	17	13	55	43	12	9	3
	M.Cloudy	22	39	25	18	12	13	20	13	9	2
SOUTH	M.Clear	20	52	67	60	33	50	85	91	69	13
	M.Cloudy	10	31	44	40	20	13	30	35	23	4
WEST	M.Clear	10	16	18	56	72	7	11	25	57	20
	M.Cloudy	8	17	19	38	36	6	12	17	20	5
M.Clear	(% hrs)	49	48	40	41	44	34	35	36	37	37

Wind Summary - December, January, and February **Labels of Percent Frequency on North Axis**



Percent Calm = 13.72

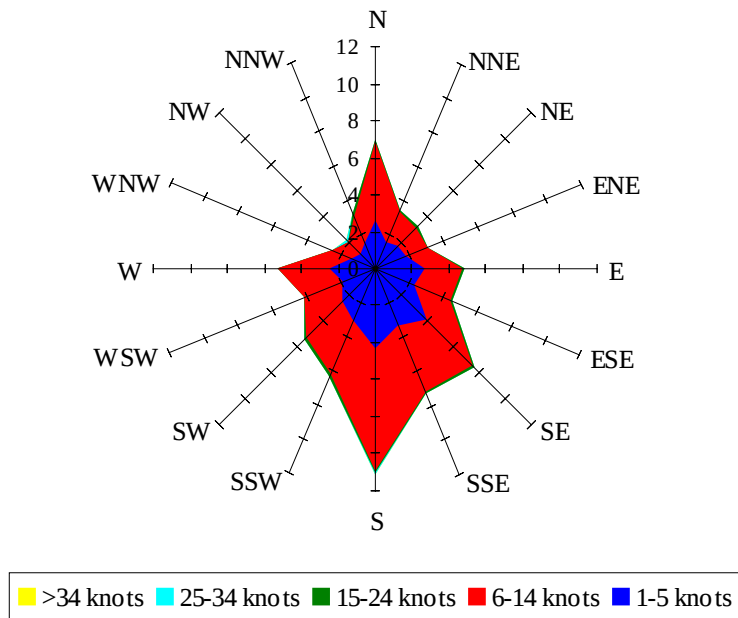
Wind Summary - March, April, and May **Labels of Percent Frequency on North Axis**



Percent Calm = 13.73

Wind Summary - June, July, and August

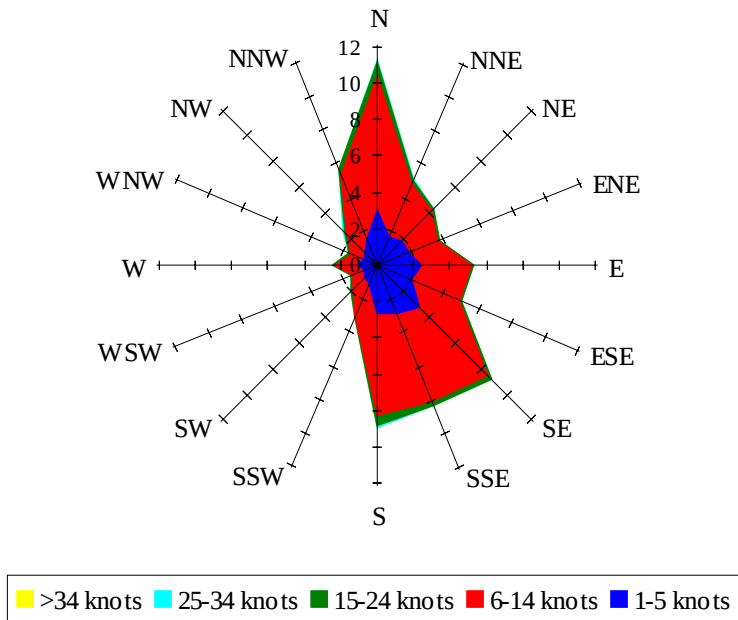
Labels of Percent Frequency on North Axis



Percent Calm = 19.99

Wind Summary - September, October, and November

Labels of Percent Frequency on North Axis



Percent Calm = 20.78