

ROME/RUSSELL GA

Latitude = 34.35 N

Longitude = 85.17 W

Period of Record = 1973 to 1996

WMO No. 723200

Elevation = 643 feet

Average Pressure = 29.34 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	97	75	103	5.2	W
0.4% Occurrence	95	75	104	5.4	W
1.0% Occurrence	93	75	103	5.2	W
2.0% Occurrence	90	74	103	4.9	W
Mean Daily Range	22	-	-	-	-
97.5% Occurrence	26	23	13	3.2	N
99.0% Occurrence	20	18	9	3.8	NNW
99.6% Occurrence	13	11	6	5.2	NNW
Median of Extreme Lows	1	0	4	5.2	MISSING
	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	80	90	137	4.0	WSW
0.4% Occurrence	78	89	125	4.1	W
1.0% Occurrence	77	88	122	4.1	W
2.0% Occurrence	76	87	119	4.1	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	144	85	0.94	4.1	SW
0.4% Occurrence	131	82	0.85	4.7	WSW
1.0% Occurrence	126	82	0.82	3.3	SW
2.0% Occurrence	125	81	0.82	3.9	SW
Air Conditioning/ Humid Area Criteria	# of Hours	T ≥ 93°F	T ≥ 80°F	T _{wb} ≥ 73°F	T _{wb} ≥ 67°F
		86	1076	726	2130

Other Site Data

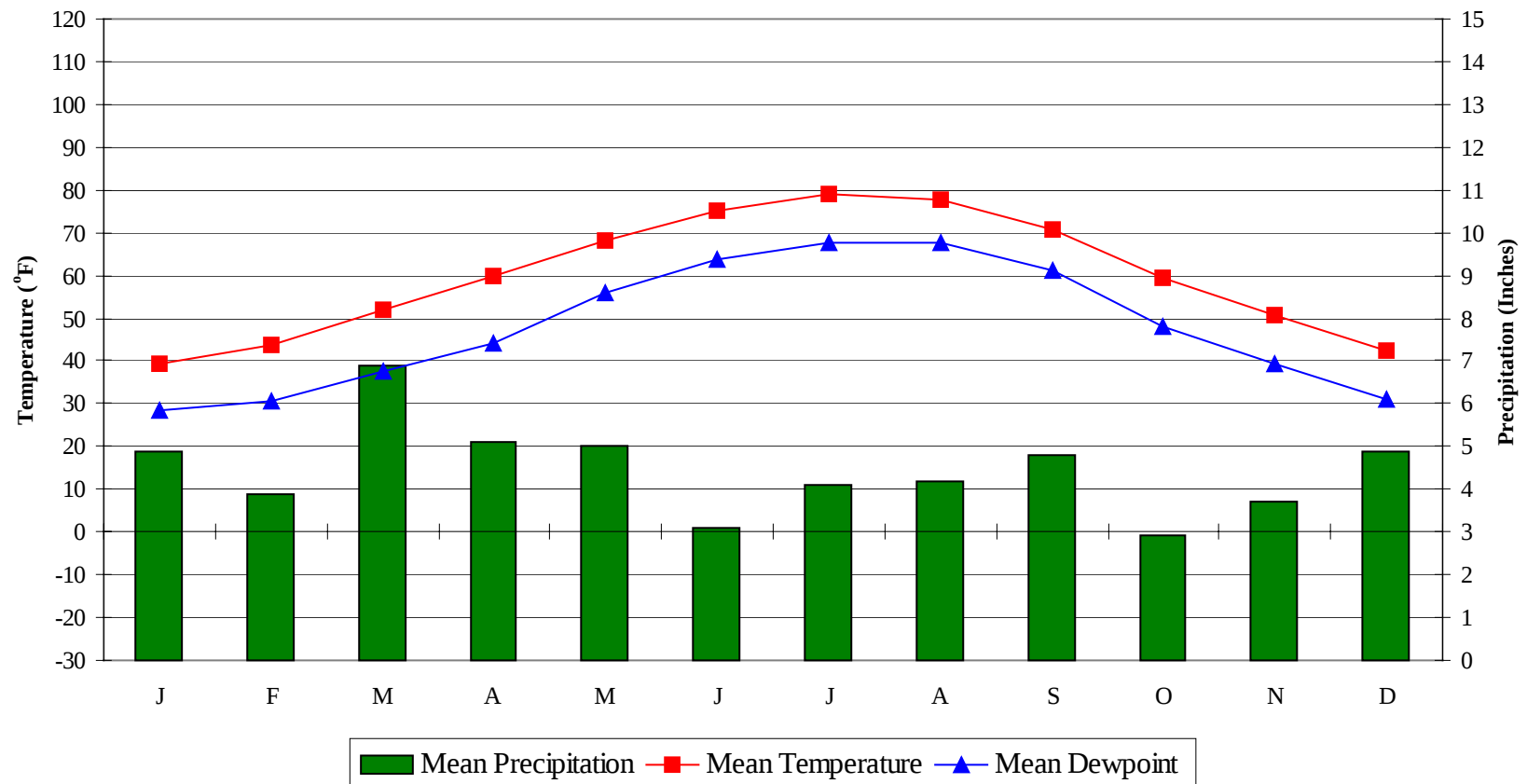
Weather Region	Rain Rate 100 Year Recurrence (in./hr)	Basic Wind Speed 3 sec gust @ 33 ft 50 Year Recurrence (mph)	Ventilation Cooling Load Index (Ton-hr/cfm/yr) Base 75°F-RH 60% Latent + Sensible
8	3.5	90	1.0 + 1.1
Ground Water Temperature (°F) 50 Foot Depth *	Frost Depth 50 Year Recurrence (in.)	Ground Snow Load 50 Year Recurrence (lb/ft ²)	Average Annual Freeze-Thaw Cycles (#)
62.3	N/A	3	51

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

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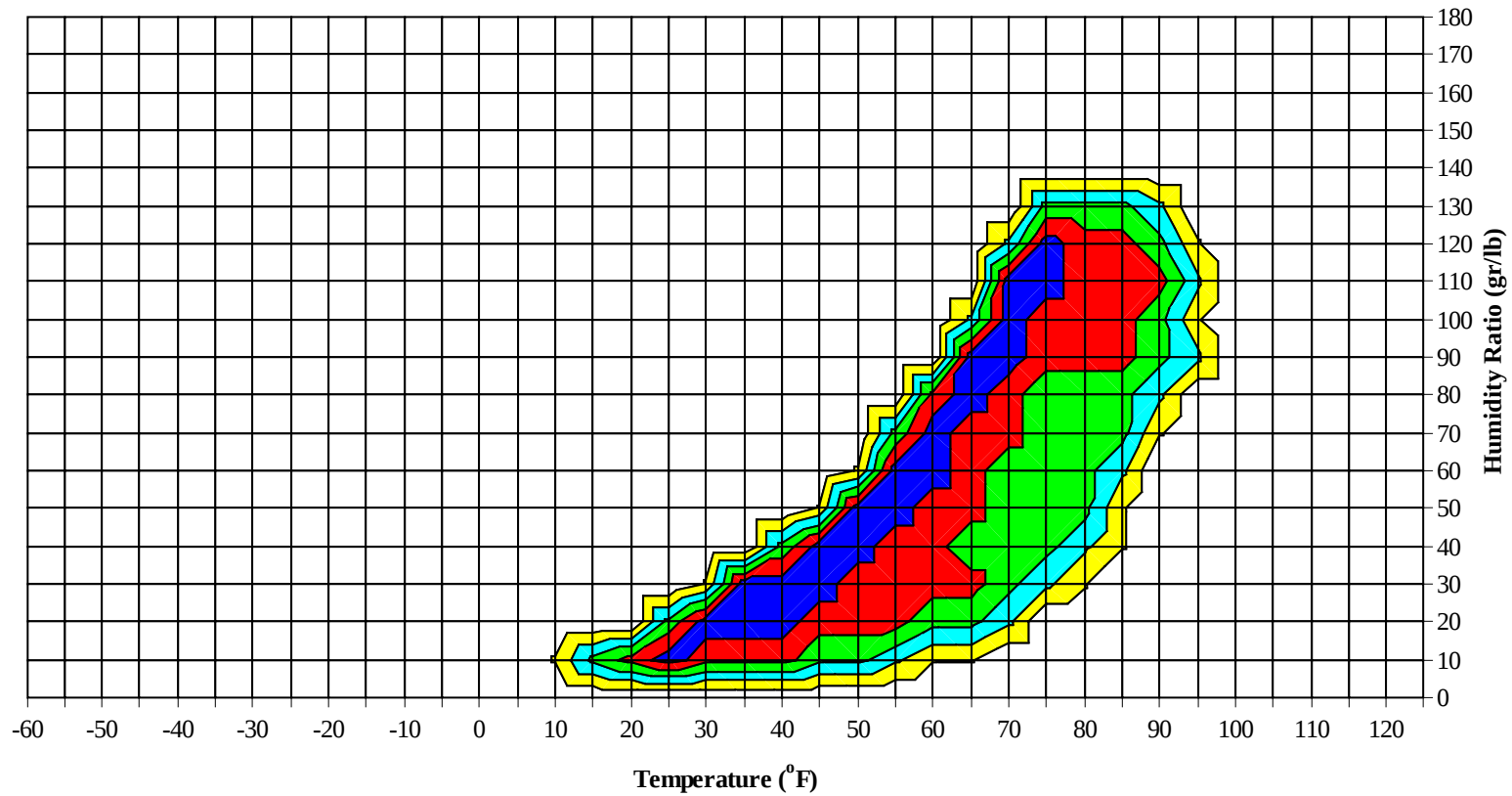
Average Annual Climate



ROME/RUSSELL GA

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Long Term Psychrometric Summary

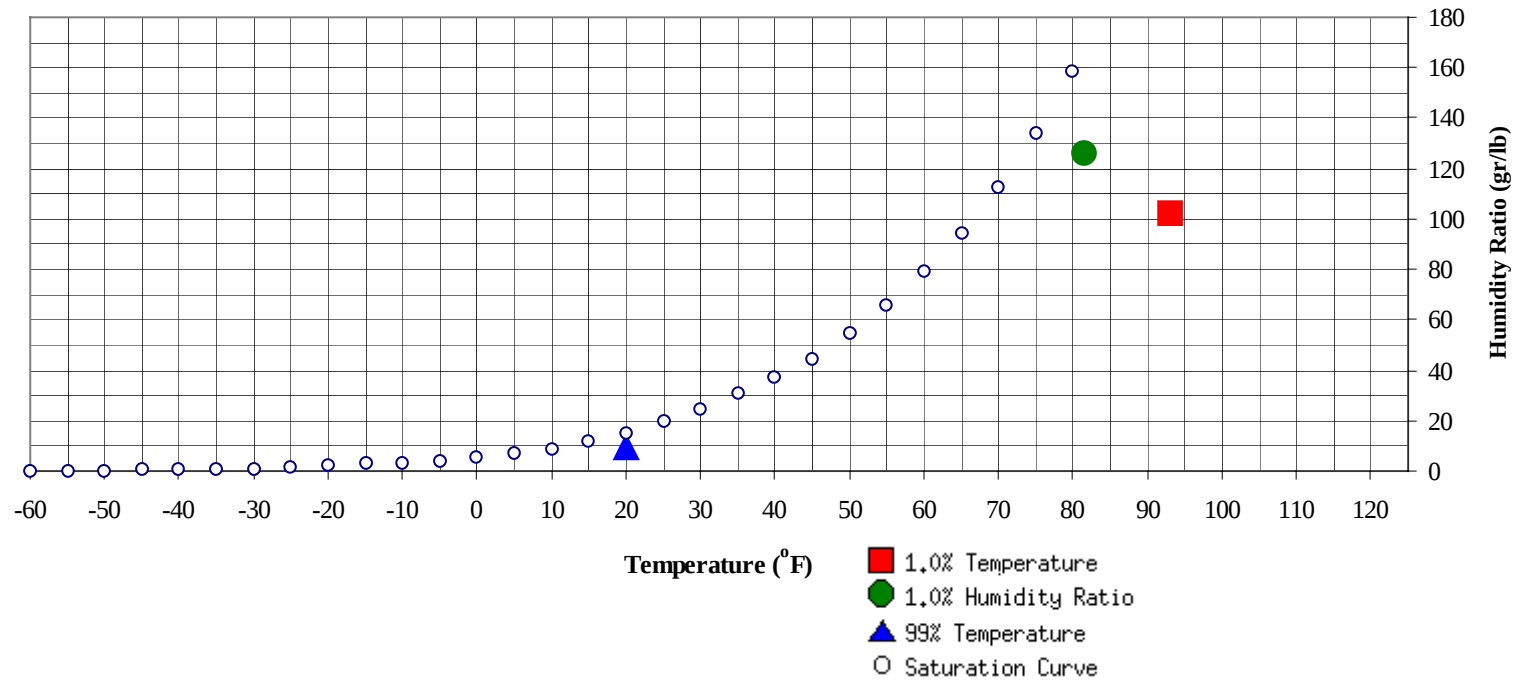


- 50% of all observations
- 80% of all observations
- 95% of all observations
- 97.5% of all observations
- 99% of all observations

ROME/RUSSELL GA

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Psychrometric Summary of Peak Design Values



99% Dry Bulb	(°F)	MCHR (gr/lb)	Enthalpy (btu/lb)	1.0% Humidity Ratio	(gr/lb)	MCDB (°F)	MCWB (°F)	MC Dewpt (°F)	Enthalpy (btu/lb)
	20	9.2	6.2		126	81.5	75.4	73.1	39.3

1.0% Dry Bulb	(°F)	MCHR (gr/lb)	MCWB (°F)	Enthalpy (btu/lb)
	93	102.5	74.5	38.5

ROME/RUSSELL GA

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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												1	0	1	64.5
80 / 84												5	3	8	62.9
75 / 79		0	0	0	64.0		2	1	3	60.1		13	7	20	60.9
70 / 74		2	1	3	59.9		7	3	10	58.2	1	22	14	37	58.0
65 / 69	1	5	3	9	57.2	1	13	9	23	55.8	4	32	23	58	55.7
60 / 64	2	12	7	21	53.7	4	22	17	43	52.7	13	38	35	86	53.5
55 / 59	9	20	17	46	50.7	15	27	25	67	50.1	25	36	38	99	50.0
50 / 54	13	29	27	69	46.2	19	28	28	75	45.9	33	37	40	110	45.8
45 / 49	22	41	39	102	42.0	24	31	32	87	41.4	49	29	36	114	41.8
40 / 44	35	43	45	123	37.6	32	32	34	98	37.3	45	20	27	92	37.5
35 / 39	43	39	44	126	33.2	33	28	32	93	32.8	36	11	15	62	33.1
30 / 34	36	27	31	94	28.5	38	17	23	78	28.4	25	2	6	33	28.9
25 / 29	40	16	21	77	24.4	31	9	12	52	24.0	14	1	1	16	24.8
20 / 24	24	8	7	39	19.9	17	4	4	25	19.7	3	1	1	5	19.8
15 / 19	13	4	3	20	14.9	8	1	2	11	15.4	1	0	1	2	15.2
10 / 14	5	2	1	8	10.2	2	0	0	2	10.3	0	0	0	0	10.5
5 / 9	2	1	1	4	5.5	2	1	0	3	6.4	1	0	1	2	6.9
0 / 4	2	1	1	4	1.1	0	0	1	1	1.0	0	0		0	2.0
-5 / -1	0	0	0	0	-3.1	0	0		0						
-10 / -6	0	0	0	0	-8.1	0	0		0	-8.0					
-15 / -11						0			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.

ROME/RUSSELL GA

WMO No. 723200

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	0	75.5
95 / 99							0	0	0	75.3		3	1	4	74.2
90 / 94		0	0	0	65.7		4	1	5	72.3	0	24	11	35	73.3
85 / 89		7	3	10	64.6		24	8	32	70.5	0	65	28	92	72.2
80 / 84		23	11	34	63.6	0	49	23	73	67.5	1	66	38	104	70.5
75 / 79	0	32	18	50	61.4	1	58	34	94	65.3	9	50	53	112	69.3
70 / 74	2	41	26	69	59.3	12	52	50	114	63.9	75	25	67	167	67.8
65 / 69	12	45	38	95	57.4	58	38	61	156	62.0	93	7	33	132	64.3
60 / 64	32	34	46	113	55.1	65	16	36	117	58.1	39	1	8	48	59.3
55 / 59	40	28	40	109	50.7	47	6	22	75	53.4	18	0	2	20	54.4
50 / 54	46	16	27	90	46.8	35	1	9	46	49.0	4		0	4	50.0
45 / 49	42	9	19	70	42.4	21	0	3	24	44.9	1		0	1	46.2
40 / 44	33	3	9	45	38.3	8		0	8	40.6	0		0	0	37.0
35 / 39	21	1	3	25	34.1	1			1	36.9					
30 / 34	9	0	0	9	30.1										
25 / 29	1		0	1	26.3										
20 / 24	0			0	24.0										
15 / 19															
10 / 14															
5 / 9															
0 / 4															
-5 / -1															
-10 / -6															
-15 / -11															

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ROME/RUSSELL GA

WMO No. 723200

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	1	3	75.0		1	0	1	74.8					
95 / 99		16	6	22	75.3		9	3	12	75.1		2	0	2	73.9
90 / 94		50	21	72	74.7		41	14	55	75.1		12	4	16	73.1
85 / 89	0	70	35	105	74.0	1	68	32	101	74.2		34	12	46	72.5
80 / 84	5	58	46	109	72.9	2	62	44	108	72.6	1	50	24	75	70.4
75 / 79	39	37	68	144	71.5	23	45	69	138	71.5	2	56	42	100	68.5
70 / 74	136	13	59	207	69.1	132	19	70	221	69.1	50	43	67	159	67.3
65 / 69	55	2	11	68	65.1	72	3	14	88	65.1	74	24	46	144	63.6
60 / 64	11	0	1	12	60.2	15	0	2	17	59.7	47	11	24	82	58.6
55 / 59	1			1	57.4	3		0	3	56.2	33	6	16	54	54.1
50 / 54											20	1	4	25	49.5
45 / 49											10	0	2	12	44.8
40 / 44											3	0	0	3	40.8
35 / 39											0	0	0	0	
30 / 34											0	0	0	0	
25 / 29											0	0	0	0	25.0
20 / 24											0	0	0	0	
15 / 19											0	0	0	0	
10 / 14											0	0	0	0	
5 / 9											0	1	0	1	7.0
0 / 4															
-5 / -1															
-10 / -6															
-15 / -11															

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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															
85 / 89		3	1	4	69.1										
80 / 84		19	5	24	66.1		2	0	2	66.1					
75 / 79	0	35	12	47	64.0		9	1	10	62.3		0		0	66.8
70 / 74	3	43	24	70	61.8	0	22	7	29	60.5	0	5	2	7	63.3
65 / 69	22	50	42	115	59.7	5	32	19	56	57.9	3	10	4	17	59.7
60 / 64	32	43	47	123	55.9	15	36	30	81	55.1	7	18	12	37	55.6
55 / 59	44	28	43	115	52.3	30	41	41	112	51.3	13	29	23	65	51.1
50 / 54	38	15	34	87	48.1	27	34	35	96	46.4	18	34	28	80	46.1
45 / 49	43	8	25	75	44.1	37	31	37	105	42.5	25	46	45	115	42.0
40 / 44	32	3	11	46	39.8	34	21	31	86	38.2	31	40	42	113	37.6
35 / 39	24	1	4	29	35.4	36	10	25	70	34.0	38	33	39	110	33.0
30 / 34	8	0	0	8	31.2	33	3	11	47	29.6	43	18	29	90	28.5
25 / 29	1		0	1	27.9	21	1	3	24	25.7	38	9	16	63	24.3
20 / 24	0			0		2	0	0	2	21.6	16	4	5	25	19.7
15 / 19						1	0	0	1	14.9	9	2	2	13	15.1
10 / 14											2	1	1	4	9.8
5 / 9											2	1	1	4	5.4
0 / 4											1	0	1	2	1.8
-5 / -1															
-10 / -6															
-15 / -11															

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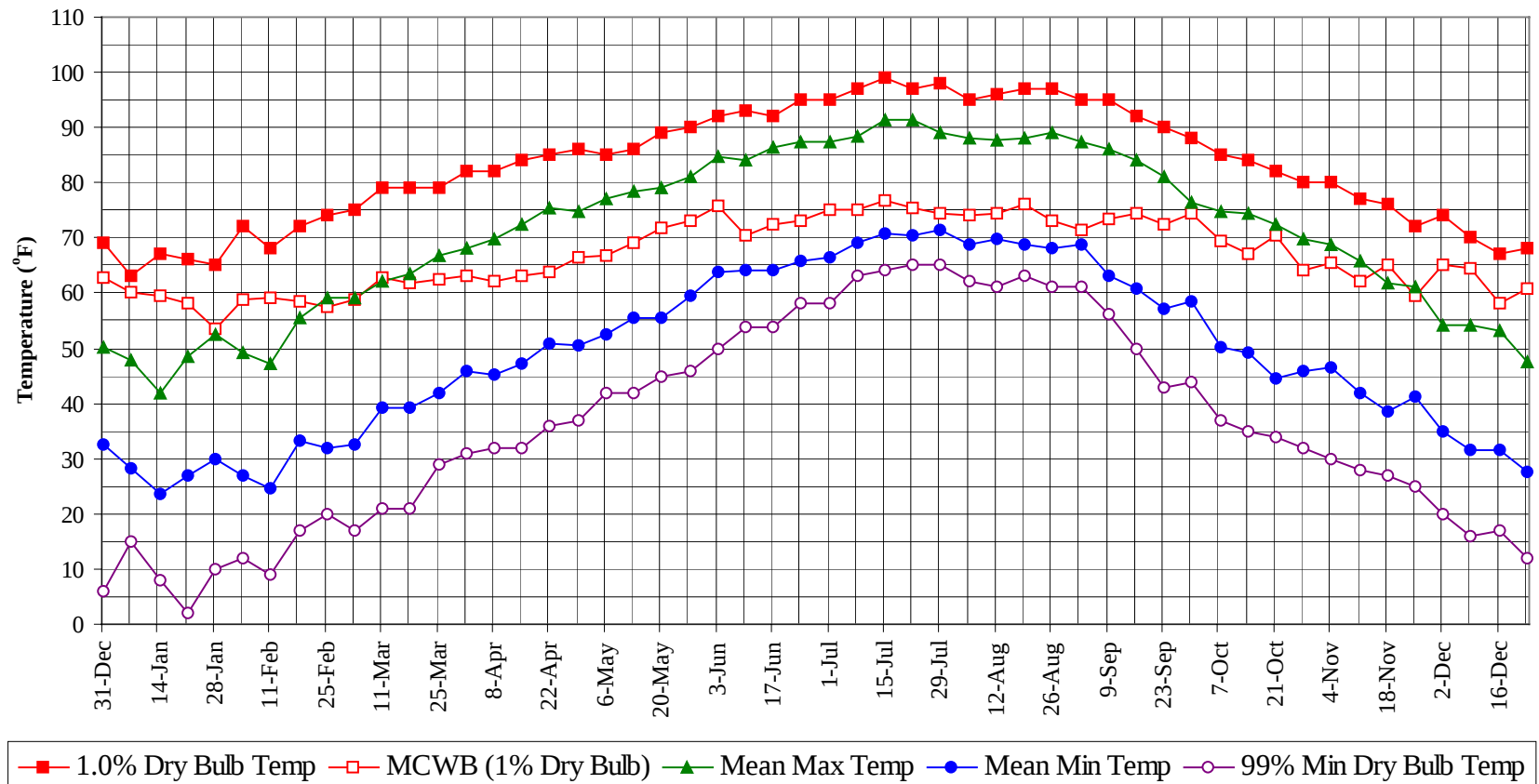
Dry-Bulb Temperature Hours For An Average Year (Sheet 5 of 5)

Period of Record = 1973 to 1996

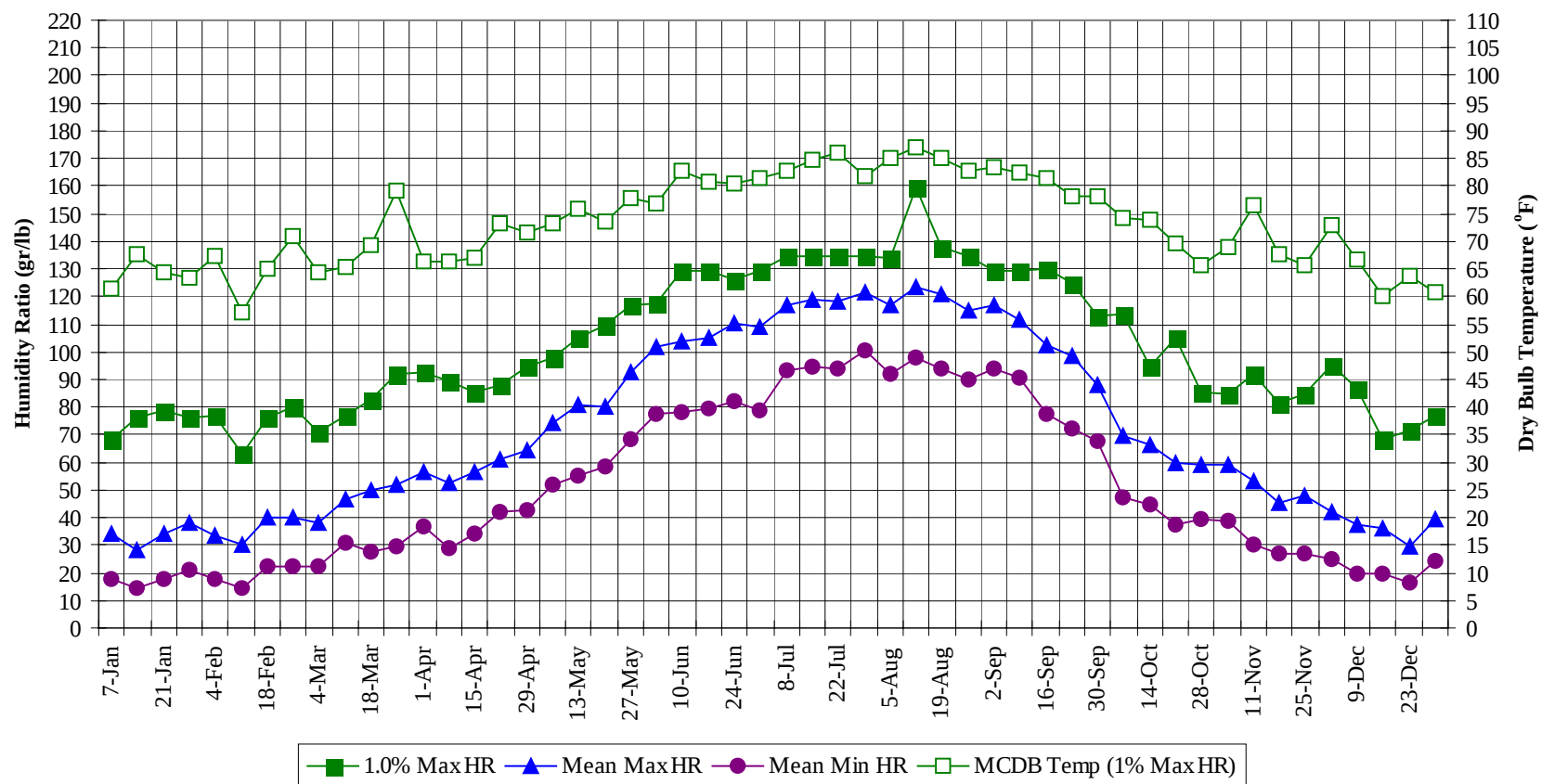
Annual Totals					
Temperature Range (°F)	Hour Group (LST)			Total Obs	M C W B (°F)
	01 To 08	09 To 16	17 To 00		
100 / 104		3	1	4	75.0
95 / 99		30	11	41	75.0
90 / 94	0	128	50	177	74.3
85 / 89	2	267	115	384	72.8
80 / 84	9	334	191	534	70.2
75 / 79	71	341	304	716	68.1
70 / 74	395	298	388	1080	66.2
65 / 69	397	262	309	968	61.4
60 / 64	287	234	268	788	56.1
55 / 59	281	221	271	772	51.5
50 / 54	259	193	234	685	46.8
45 / 49	276	194	238	708	42.4
40 / 44	255	160	200	615	37.9
35 / 39	235	122	160	516	33.4
30 / 34	191	68	98	357	28.8
25 / 29	145	36	52	232	24.5
20 / 24	64	17	18	99	19.8
15 / 19	31	7	7	45	15.1
10 / 14	10	3	2	15	10.1
5 / 9	7	4	3	14	5.7
0 / 4	4	2	2	8	1.3
-5 / -1	0	0	0	0	-3.1
-10 / -6	1	0	0	1	-8.1
-15 / -11	0			0	

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Annual Summary of Temperatures



Long Term Humidity and Dry Bulb Temperature Summary

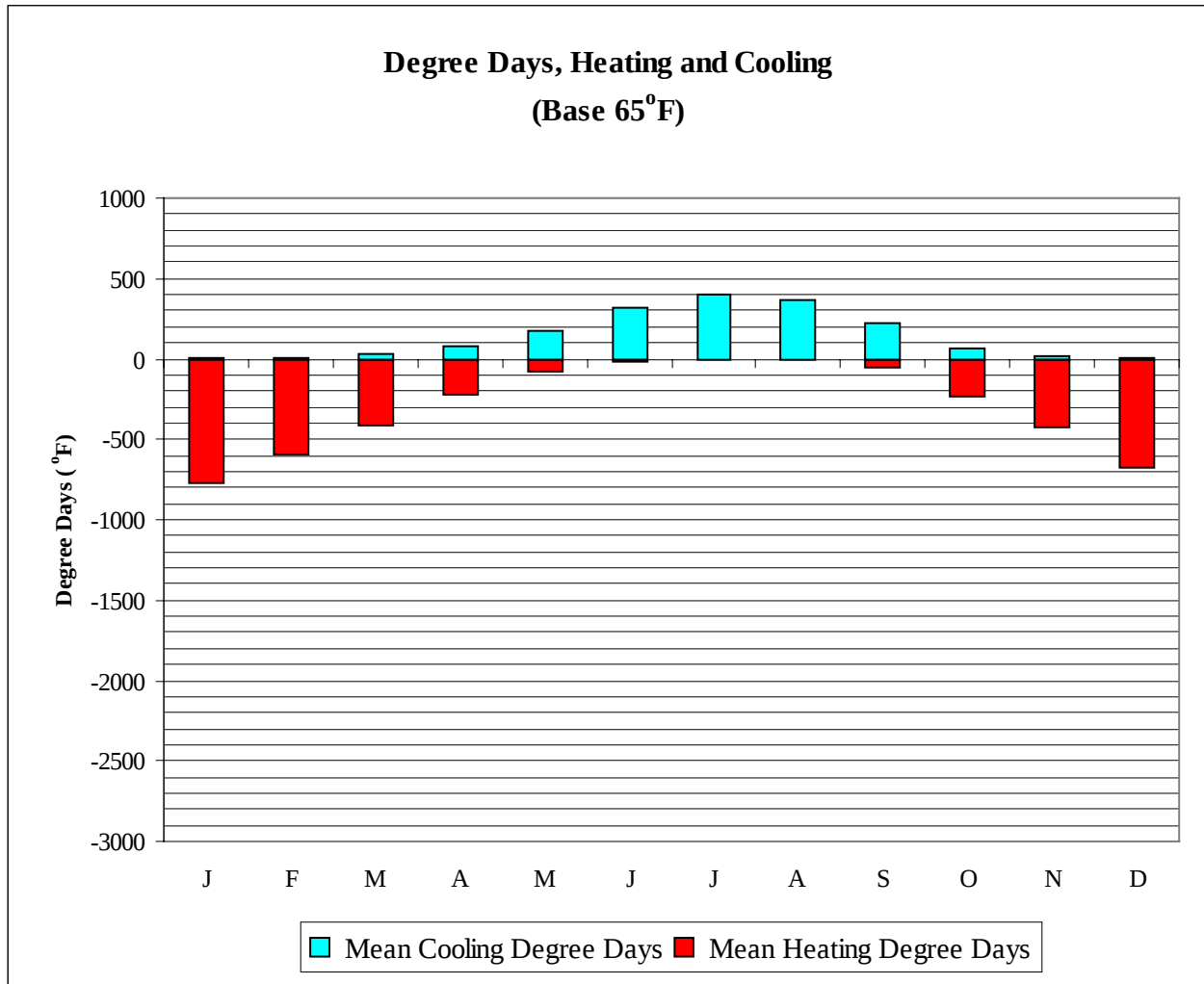


ROME/RUSSELL GA

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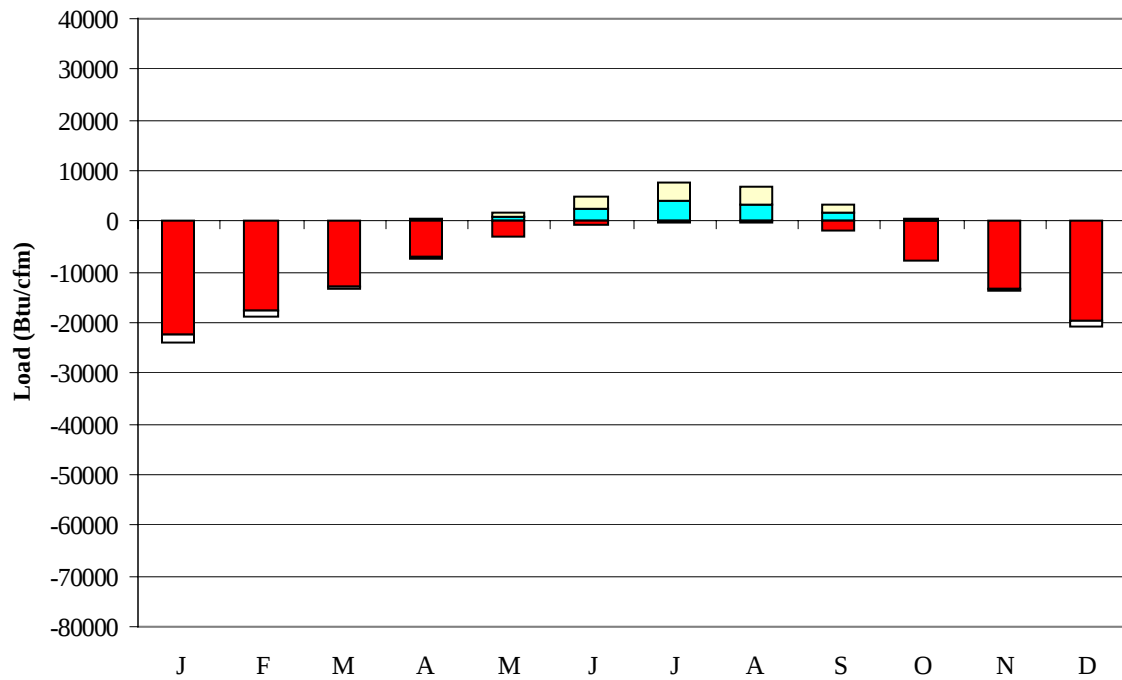
Long Term Dry Bulb Temperature and Humidity Summary

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	63.0	60.1	47.7	28.2	15.0	68.6	61.3	34.2	17.6
14-Jan	67.0	59.5	42.0	23.8	8.0	76.3	67.8	28.2	14.2
21-Jan	66.0	58.2	48.4	26.9	2.0	79.1	64.3	34.2	17.8
28-Jan	65.0	53.7	52.6	30.0	10.0	76.3	63.5	37.9	20.9
4-Feb	72.0	58.7	49.3	27.0	12.0	77.0	67.3	33.2	17.5
11-Feb	68.0	59.2	47.3	24.6	9.0	63.0	57.2	30.2	14.2
18-Feb	72.0	58.5	55.6	33.2	17.0	76.3	65.2	39.8	22.1
25-Feb	74.0	57.4	59.0	31.8	20.0	79.8	71.0	39.9	22.2
4-Mar	75.0	58.7	59.2	32.6	17.0	70.7	64.3	38.0	22.4
11-Mar	79.0	62.7	62.0	39.3	21.0	77.0	65.4	46.6	30.9
18-Mar	79.0	61.9	63.5	39.1	21.0	82.6	69.3	49.7	27.6
25-Mar	79.0	62.5	66.7	41.8	29.0	91.7	79.2	52.0	29.3
1-Apr	82.0	63.2	68.2	46.0	31.0	92.4	66.4	56.3	37.1
8-Apr	82.0	62.0	69.9	45.3	32.0	89.6	66.4	52.6	28.7
15-Apr	84.0	63.1	72.5	47.1	32.0	85.4	66.9	56.6	34.2
22-Apr	85.0	63.8	75.3	50.8	36.0	88.2	73.2	61.0	42.3
29-Apr	86.0	66.6	74.7	50.4	37.0	94.5	71.6	64.3	42.5
6-May	85.0	66.9	77.2	52.5	42.0	98.0	73.2	74.1	51.8
13-May	86.0	69.3	78.4	55.6	42.0	105.0	76.0	80.6	55.1
20-May	89.0	71.7	79.2	55.5	45.0	109.9	73.4	80.0	58.2
27-May	90.0	73.0	81.1	59.5	46.0	116.9	77.9	92.5	68.1
3-Jun	92.0	75.8	84.6	63.7	50.0	117.6	77.0	101.5	77.3
10-Jun	93.0	70.6	84.2	64.0	54.0	129.5	82.7	103.5	77.9
17-Jun	92.0	72.4	86.3	64.2	54.0	129.5	80.9	105.3	79.5
24-Jun	95.0	73.2	87.4	65.8	58.0	126.0	80.4	110.3	82.4
1-Jul	95.0	75.1	87.5	66.5	58.0	129.5	81.6	109.3	78.5
8-Jul	97.0	75.0	88.4	69.1	63.0	134.4	82.7	117.0	93.5
15-Jul	99.0	76.7	91.4	70.8	64.0	134.4	84.6	119.0	94.7
22-Jul	97.0	75.6	91.3	70.5	65.0	134.4	86.1	118.1	93.7
29-Jul	98.0	74.3	89.0	71.3	65.0	134.4	81.9	121.3	100.8
5-Aug	95.0	74.0	88.0	68.8	62.0	133.7	85.0	116.8	91.6
12-Aug	96.0	74.6	87.8	69.7	61.0	159.6	87.0	123.8	97.5
19-Aug	97.0	76.1	87.9	68.9	63.0	137.9	85.0	121.0	94.1
26-Aug	97.0	73.2	89.0	68.1	61.0	134.4	82.8	115.0	90.3
2-Sep	95.0	71.4	87.5	68.7	61.0	129.5	83.5	116.9	93.8
9-Sep	95.0	73.5	86.0	63.3	56.0	129.5	82.4	111.7	90.8
16-Sep	92.0	74.5	84.1	60.7	50.0	130.2	81.4	102.4	77.3
23-Sep	90.0	72.6	81.1	57.0	43.0	124.6	78.0	98.3	72.0
30-Sep	88.0	74.4	76.6	58.5	44.0	112.7	78.0	88.0	67.7
7-Oct	85.0	69.5	74.8	50.1	37.0	113.4	74.3	69.6	47.4
14-Oct	84.0	67.1	74.5	49.3	35.0	94.5	73.9	66.6	44.4
21-Oct	82.0	70.3	72.4	44.6	34.0	105.0	69.6	60.0	37.4
28-Oct	80.0	64.2	69.7	46.0	32.0	85.4	65.8	59.0	39.3
4-Nov	80.0	65.5	68.8	46.5	30.0	84.7	68.9	58.8	38.6
11-Nov	77.0	62.0	65.8	42.0	28.0	91.7	76.5	53.1	30.0
18-Nov	76.0	65.1	61.7	38.5	27.0	81.2	67.7	45.1	27.2
25-Nov	72.0	59.4	61.0	41.3	25.0	84.7	65.6	48.1	26.6
2-Dec	74.0	65.3	54.2	35.0	20.0	95.2	72.8	42.1	25.2
9-Dec	70.0	64.3	54.1	31.5	16.0	86.8	66.7	37.5	19.9
16-Dec	67.0	58.0	53.2	31.4	17.0	68.6	60.2	36.4	19.7
23-Dec	68.0	60.9	47.7	27.7	12.0	71.4	63.8	29.5	16.2
31-Dec	69.0	62.9	50.2	32.7	6.0	77.0	60.6	39.2	24.2



	Mean Cooling Degree Days (°F)	Mean Heating Degree Days (°F)
JAN	1	775
FEB	5	597
MAR	26	417
APR	76	217
MAY	171	80
JUN	315	12
JUL	405	1
AUG	365	2
SEP	216	50
OCT	65	231
NOV	16	428
DEC	3	672
ANN	1664	3482

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



■ Average Sensible Cooling Load ■ Average Sensible Heating Load
■ Average Latent Cooling (Drying) Load ■ Average Latent Heating (Humidifying) Load

	Average Sensible Cooling Load	Average Sensible Heating Load	Average Latent Cooling Load	Average Latent Heating Load
	(Btu/cfm)	(Btu/cfm)	(Btu/cfm)	(Btu/cfm)
JAN	0	-22413	0	-1385
FEB	4	-17500	2	-1142
MAR	76	-12893	23	-585
APR	381	-7168	50	-281
MAY	1060	-3079	636	-17
JUN	2661	-609	2098	-14
JUL	4032	-85	3514	0
AUG	3422	-163	3294	0
SEP	1574	-1974	1795	0
OCT	266	-7657	148	-126
NOV	23	-13123	25	-512
DEC	0	-19696	3	-1064
ANN	13499	-106360	11588	-5126

Average Annual Solar Radiation – Nearest Available Site

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

City: CHATTANOOGA
 State: TN
 WBAN No: 13882
 Lat(N): 35.03
 Long(W): 85.2
 Elev(ft): 689

Stn Type: Secondary
 SHADING GEOMETRY IN DIMENSIONLESS UNITS
 Window: 1
 Overhang: 0.394
 Vert Gap: 0.286

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	750	980	1290	1670	1840	1950	1860	1740	1440	1200	830	670	1350
	Std Dev	56	81	109	127	125	157	145	122	106	106	75	56	44
	Minimum	620	880	1070	1410	1650	1610	1550	1500	1210	1020	680	590	1280
	Maximum	880	1230	1560	1910	2240	2290	2130	1980	1630	1440	960	780	1470
	Diffuse	380	470	610	720	840	900	900	810	680	490	390	340	630
Clear Day	Global	1120	1450	1890	2300	2530	2600	2520	2300	1940	1510	1150	990	1860
NORTH	Global	230	290	370	450	550	620	580	490	400	320	250	210	400
	Diffuse	230	290	370	440	500	540	520	470	400	320	250	210	380
Clear Day	Global	210	260	340	430	580	680	630	490	380	300	230	190	390
EAST	Global	470	600	760	940	1000	1030	1000	950	800	690	500	420	760
	Diffuse	280	340	440	540	600	640	620	580	490	390	290	250	460
Clear Day	Global	800	980	1190	1340	1390	1400	1360	1290	1150	960	790	710	1110
SOUTH	Global	1020	1070	1020	920	750	690	710	850	990	1200	1070	960	940
	Diffuse	370	430	500	540	550	560	560	570	540	480	390	340	490
Clear Day	Global	2010	1970	1710	1250	910	780	830	1090	1470	1780	1910	1930	1470
WEST	Global	490	620	770	950	980	1030	970	950	830	740	530	440	780
	Diffuse	280	350	450	540	610	650	630	590	500	400	300	250	460
Clear Day	Global	800	980	1190	1340	1390	1400	1360	1290	1150	960	790	710	1110

Average Annual Solar Heat and Illumination – Nearest Available Site

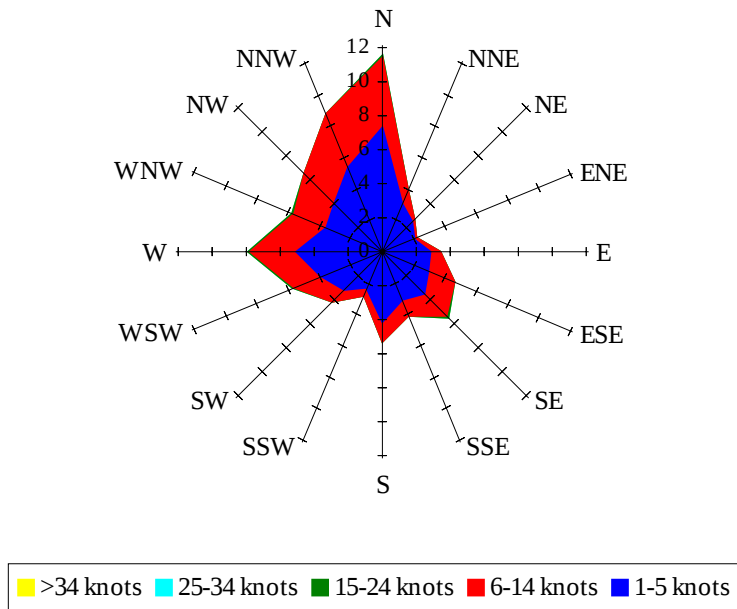
(Source: National Renewable Energy Laboratory, Golden CO, 1995)

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	500	680	920	1210	1330	1420	1350	1260	1030	850	570	440	960
NORTH	Unshaded	160	200	260	310	360	400	380	330	280	220	170	140	270
	Shaded	150	180	230	290	330	370	350	310	260	210	160	130	250
EAST	Unshaded	320	420	530	660	710	730	710	670	560	480	350	290	540
	Shaded	300	380	480	600	630	650	630	600	510	440	320	260	480
SOUTH	Unshaded	760	770	700	580	460	420	440	530	650	850	790	720	640
	Shaded	740	720	580	430	350	360	360	390	520	770	770	710	560
WEST	Unshaded	340	430	550	670	700	730	680	670	590	520	370	300	550
	Shaded	310	400	500	610	630	650	610	610	530	480	340	280	500

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	29	69	88	77	44	31	74	99	100	77
	M.Cloudy	16	41	51	49	26	20	47	72	74	53
NORTH	M.Clear	8	13	15	14	10	22	16	18	17	17
	M.Cloudy	7	15	17	16	10	12	16	20	19	17
EAST	M.Clear	69	69	24	14	10	61	79	47	17	17
	M.Cloudy	21	32	20	16	10	26	41	36	19	17
SOUTH	M.Clear	26	61	78	69	40	10	19	37	38	23
	M.Cloudy	11	30	38	37	19	8	18	31	32	20
WEST	M.Clear	8	13	15	57	78	10	16	18	38	73
	M.Cloudy	7	15	17	32	30	8	16	20	32	45
M.Clear	(% hrs)	28	29	32	27	27	32	43	32	28	38
		Sept					Dec				
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	15	59	86	86	60	10	42	56	44	13
	M.Cloudy	9	33	57	59	39	6	23	30	26	8
NORTH	M.Clear	6	14	17	17	14	4	10	12	10	5
	M.Cloudy	4	13	19	19	14	3	10	12	10	4
EAST	M.Clear	41	75	45	17	14	34	51	14	10	5
	M.Cloudy	12	29	31	19	14	8	19	13	10	4
SOUTH	M.Clear	9	43	67	67	45	25	75	92	79	32
	M.Cloudy	5	21	40	43	26	6	25	29	29	10
WEST	M.Clear	6	14	17	40	71	4	10	12	49	40
	M.Cloudy	4	13	19	30	36	3	10	12	21	12
M.Clear	(% hrs)	29	41	35	33	37	24	27	33	28	28

Wind Summary - December, January, and February

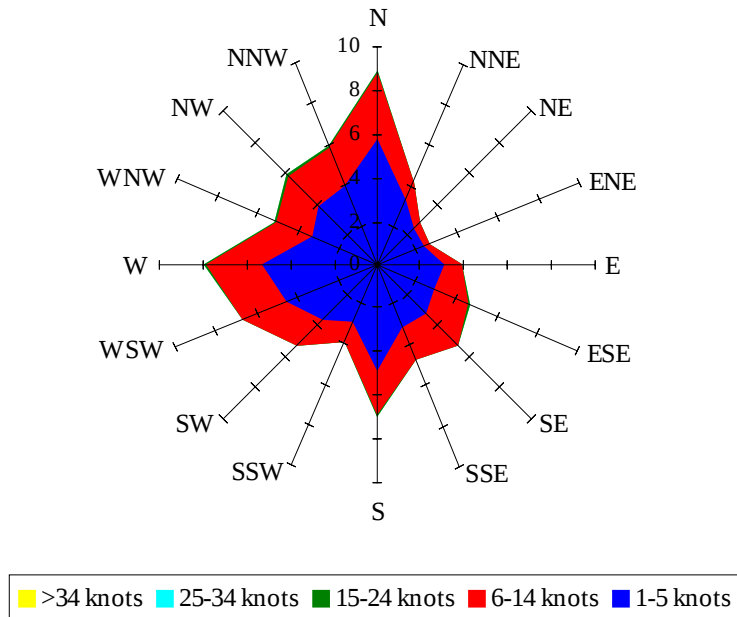
Labels of Percent Frequency on North Axis



Percent Calm = 16.17

Wind Summary - March, April, and May

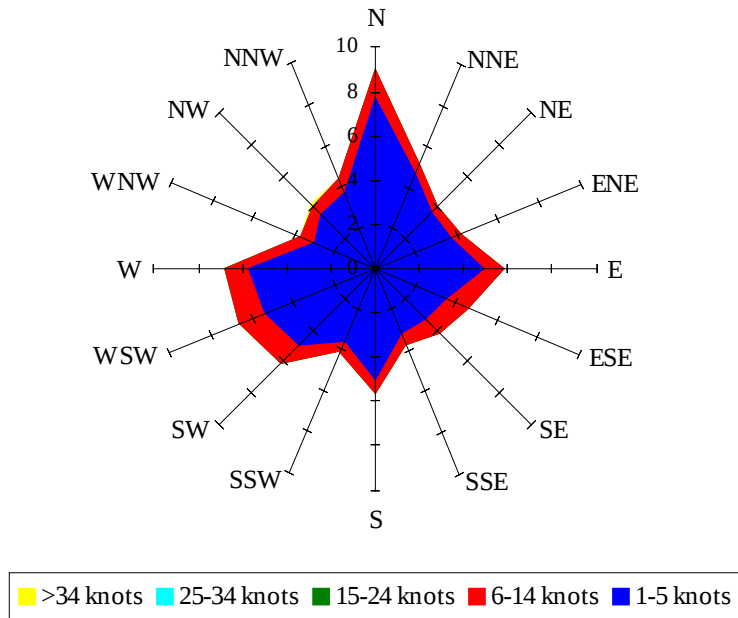
Labels of Percent Frequency on North Axis



Percent Calm = 16.28

Wind Summary - June, July, and August

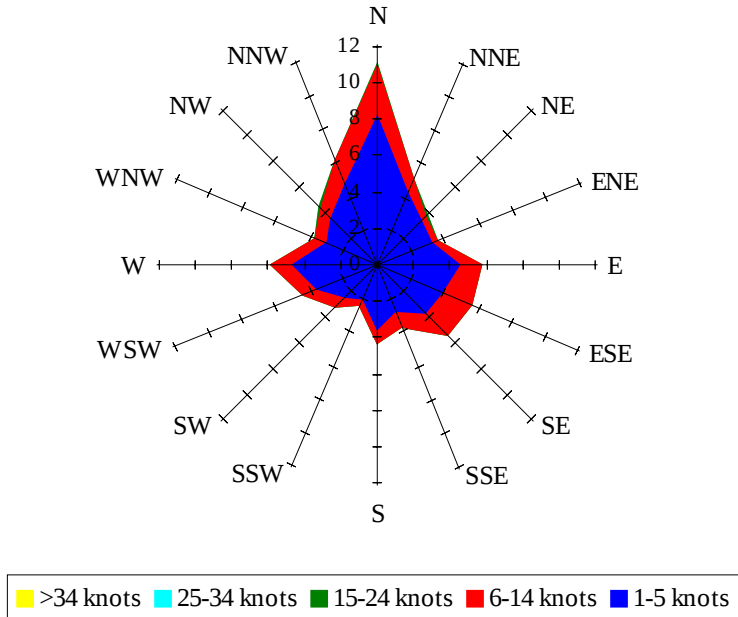
Labels of Percent Frequency on North Axis



Percent Calm = 18.98

Wind Summary - September, October, and November

Labels of Percent Frequency on North Axis



Percent Calm = 22.36