COLUMBUS GA	
Latitude = 32.52 N	WMO No. 722255
Longitude = 84.93 W	Elevation = 397 feet
Period of Record = 1973 to 1996	Average Pressure = 29.62 inches Hg

Design Criteria Data

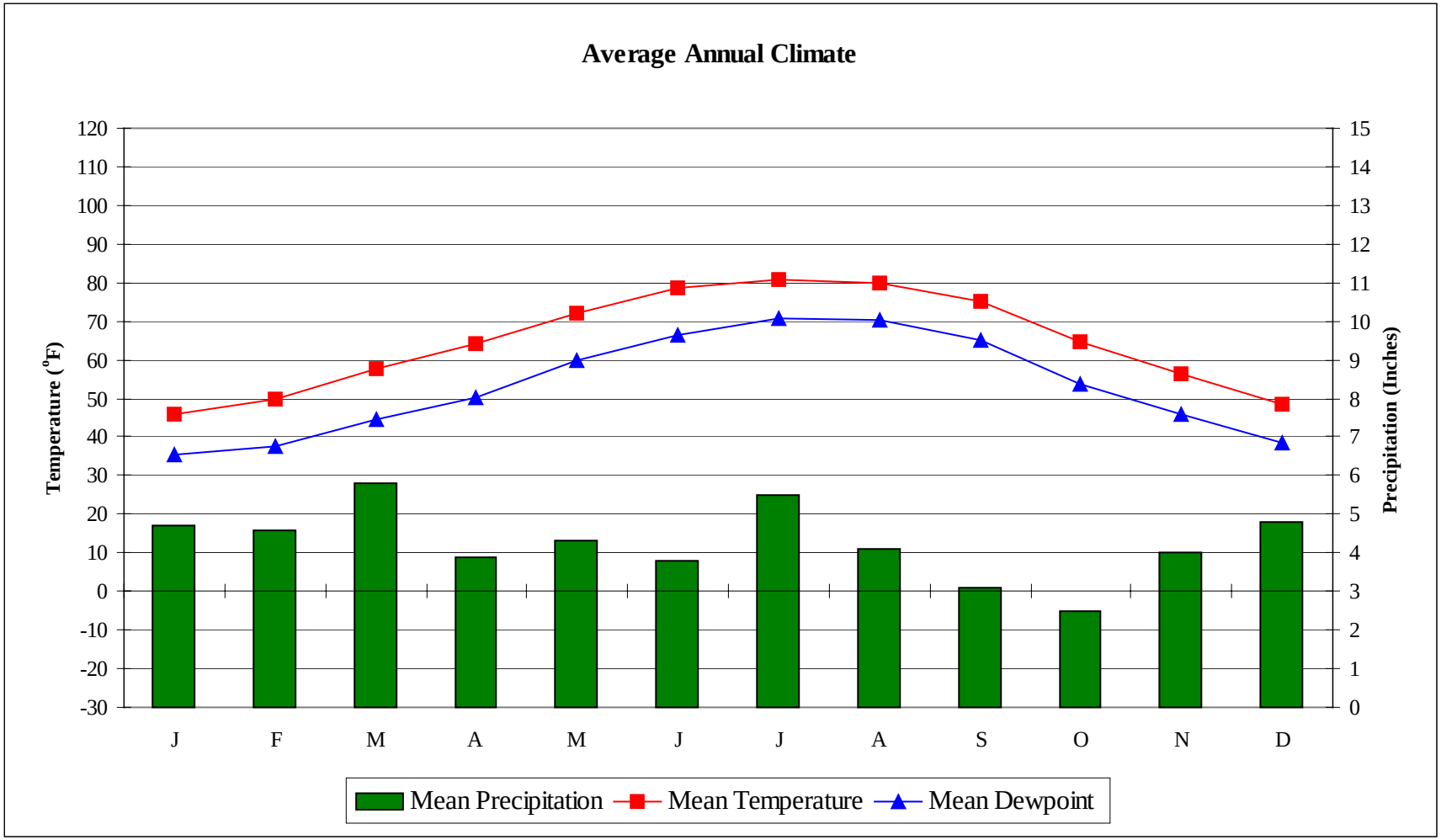
		Mean Coincident (Average) Values			
Dry Bulb Temperature (T)	**Design Value (^oF)**	Wet Bulb Temperature (^oF)	Humidity Ratio (gr/lb)	Wind Speed (mph)	Prevailing Direction (NSEW)
Median of Extreme Highs	100	77	103	8.2	W
0.4% Occurrence	96	76	103	8.2	W
1.0% Occurrence	94	75	105	8.2	W
2.0% Occurrence	92	75	104	8.0	W
Mean Daily Range	20	-	-	-	-
97.5% Occurrence	31	28	18	5.5	NW
99.0% Occurrence	27	25	14	5.6	NW
99.6% Occurrence	23	21	11	6.9	NW
Median of Extreme Lows	16	14	7	8.5	NW
		Mean Coincident (Average) Values			
Wet Bulb Temperature (T_{wb})	**Design Value (^oF)**	Dry Bulb Temperature (^oF)	Humidity Ratio (gr/lb)	Wind Speed (mph)	Prevailing Direction (NSEW)
Median of Extreme Highs	81	92	138	7.3	W
0.4% Occurrence	79	89	131	6.9	W
1.0% Occurrence	78	88	127	6.8	W
2.0% Occurrence	77	86	124	6.7	W
		Mean Coincident (Average) Values			
Humidity Ratio (HR)	**Design Value (gr/lb)**	Dry Bulb Temperature (^oF)	Vapor Pressure (in. Hg)	Wind Speed (mph)	Prevailing Direction (NSEW)
Median of Extreme Highs	148	83	0.97	5.1	SW
0.4% Occurrence	137	82	0.90	5.1	SW
1.0% Occurrence	134	81	0.88	5.3	WSW
2.0% Occurrence	132	81	0.88	5.4	E
Air Conditioning/		$T \geq 93^oF$	$T \geq 80^oF$	$T_{wb} \geq 73^oF$	$T_{wb} \geq 67^oF$
Humid Area Criteria	# of Hours	142	1522	1508	3152

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^oF-RH 60% Latent + Sensible
11	4.0	90	5.3 + 1.7
Ground Water Temperature (^oF) 50 Foot Depth *	Frost Depth 50 Year Recurrence (in.)	Ground Snow Load 50 Year Recurrence (lb/ft^2)	Average Annual Freeze-Thaw Cycles (#)
67.0	N/A	1	25

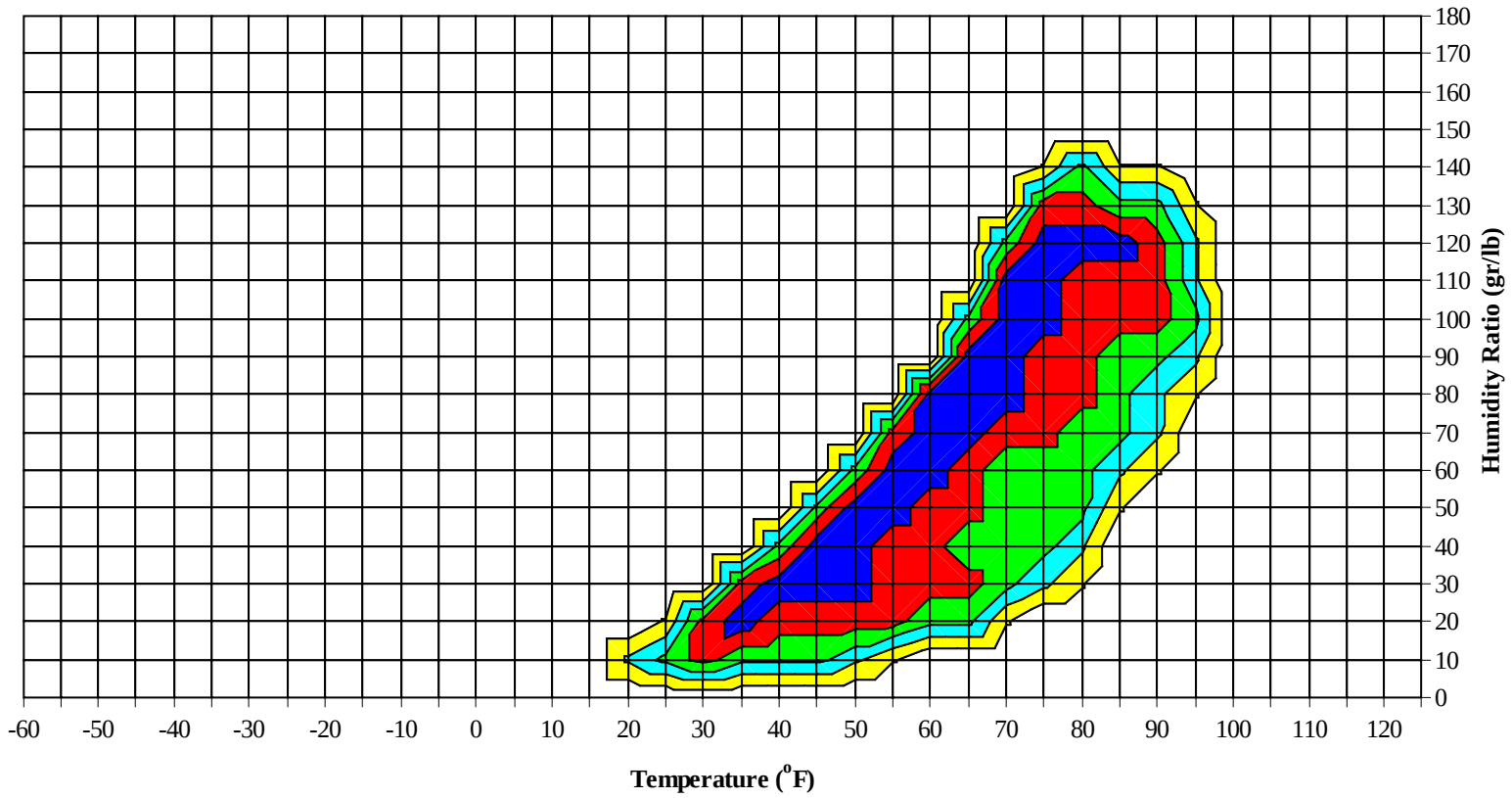
*Note: Temperatures at greater depths can be estimated by adding 1.5^oF per 100 feet additional depth.

COLUMBUS GA WMO No. 722255



COLUMBUS GA WMO No. 722255

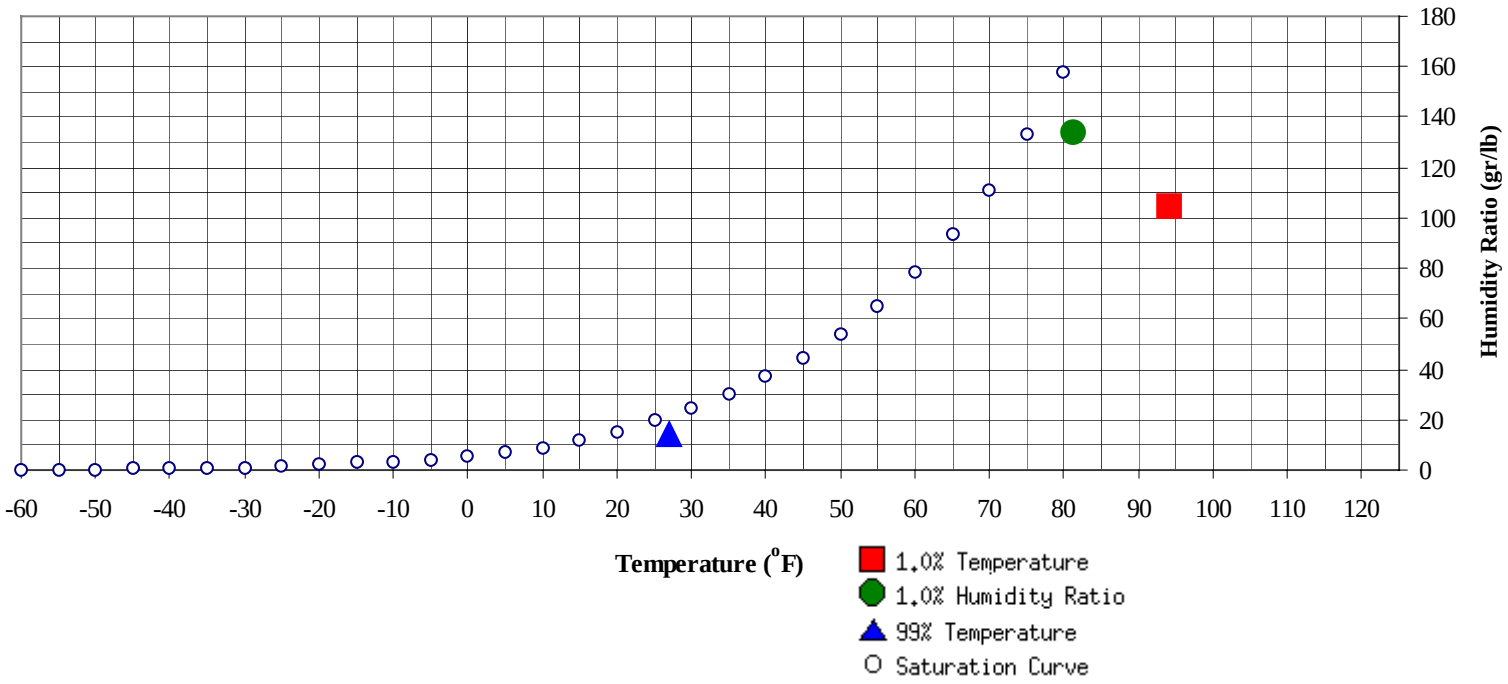
Long Term Psychrometric Summary



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

COLUMBUS GA WMO No. 722255

Psychrometric Summary of Peak Design Values



	(°F)	MCHR (gr/lb)	Enthalpy (btu/lb)
99% Dry Bulb	27	14	8.6

	(gr/lb)	MCDB (°F)	MCWB (°F)	MC Dewpt (°F)	Enthalpy (btu/lb)
1.0% Humidity Ratio	133.7	81.3	76.7	75	40.5

	(°F)	MCHR (gr/lb)	MCWB (°F)	Enthalpy (btu/lb)
1.0% Dry Bulb	94	105	75.6	39.1

COLUMBUS GA WMO No. 722255

Dry-Bulb Temperature Hours For An Average Year (Sheet 1 of 5)

Period of Record = 1973 to 1996

Temperature Range (°F)	January Hour Group (LST) 01 To 08	09 To 16	17 To 00	Total Obs	MCWB (°F)	February Hour Group (LST) 01 To 08	09 To 16	17 To 00	Total Obs	MCWB (°F)	March Hour Group (LST) 01 To 08	09 To 16	17 To 00	Total Obs	MCWB (°F)
100 / 104															
95 / 99															
90 / 94															
85 / 89												1	1	2	67.7
80 / 84							1	0	1	64.9		11	6	17	64.0
75 / 79		1	0	1	65.7		5	3	8	61.5	0	24	16	40	62.0
70 / 74		7	3	10	62.5	0	15	10	25	60.1	4	37	29	70	60.5
65 / 69	3	14	10	27	58.9	5	27	21	53	57.8	14	38	36	88	58.4
60 / 64	12	27	22	61	56.4	17	33	32	82	55.6	31	42	47	120	55.7
55 / 59	15	34	31	80	51.6	22	31	34	87	50.9	38	34	40	112	51.8
50 / 54	27	39	42	108	47.3	25	31	31	87	46.4	45	27	32	104	47.4
45 / 49	33	42	45	119	42.7	30	30	33	93	42.1	43	18	22	83	43.0
40 / 44	38	32	36	106	37.9	37	23	28	88	37.9	32	10	13	55	38.5
35 / 39	36	24	28	88	33.3	34	16	19	69	33.4	25	3	4	32	34.1
30 / 34	45	16	20	81	29.2	30	8	10	48	28.8	11	1	1	13	29.8
25 / 29	24	6	8	38	24.6	16	3	2	21	24.6	3	0	1	4	25.1
20 / 24	10	3	2	15	19.8	6	1	0	7	19.9	1	0	0	1	20.3
15 / 19	4	1	1	6	15.0	1	0	0	1	15.4	0			0	15.9
10 / 14	1	0	0	1	10.4	0	0		0	11.3					
5 / 9	1	0	0	1	5.6										
0 / 4	0	0	0	0	0.1										
-5 / -1	0			0	-2.2										

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.

COLUMBUS GA WMO No. 722255

Dry-Bulb Temperature Hours For An Average Year (Sheet 2 of 5)

Period of Record = 1973 to 1996

Temperature Range (°F)	April Hour Group (LST) 01 To 08	April 09 To 16	April 17 To 00	April Total Obs	April MCWB (°F)	May Hour Group (LST) 01 To 08	May 09 To 16	May 17 To 00	May Total Obs	May MCWB (°F)	June Hour Group (LST) 01 To 08	June 09 To 16	June 17 To 00	June Total Obs	June MCWB (°F)
100 / 104												0	0	0	76.7
95 / 99							0		0	75.0		9	4	13	74.9
90 / 94		1	0	1	64.9		7	2	9	72.0		46	19	65	73.8
85 / 89		10	4	14	66.5		41	19	60	70.1		72	41	113	72.7
80 / 84		33	18	51	65.1		61	36	97	68.2	4	57	53	114	71.8
75 / 79	0	42	28	70	63.0	5	59	53	117	66.9	54	39	69	162	71.3
70 / 74	6	50	42	98	61.1	49	48	67	165	66.1	119	14	45	178	69.1
65 / 69	32	43	51	126	60.0	82	22	45	148	63.4	46	2	9	57	64.2
60 / 64	49	32	42	123	56.5	57	7	18	82	58.6	13	0	1	14	59.0
55 / 59	51	16	28	95	52.2	35	1	7	43	54.2	3		0	3	54.9
50 / 54	42	9	16	67	48.0	16	0	2	18	49.8	0		0	0	50.5
45 / 49	31	4	8	43	43.9	5		0	5	46.2					
40 / 44	20	0	2	22	39.8	0			0	42.8					
35 / 39	7	0	0	7	35.3										
30 / 34	1			1	31.1										
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.

COLUMBUS GA WMO No. 722255

Dry-Bulb Temperature Hours For An Average Year (Sheet 3 of 5)

Period of Record = 1973 to 1996

Temperature Range (°F)	July Hour Group (LST) 01 To 08	July 09 To 16	July 17 To 00	July Total Obs	July MCWB (°F)	August Hour Group (LST) 01 To 08	August 09 To 16	August 17 To 00	August Total Obs	August MCWB (°F)	September Hour Group (LST) 01 To 08	September 09 To 16	September 17 To 00	September Total Obs	September MCWB (°F)
100 / 104		2	0	2	77.1		1	0	1	77.3					
95 / 99		21	8	29	76.5		12	4	16	76.1		3	0	3	74.5
90 / 94		65	28	93	75.8		57	22	79	75.6		25	8	33	74.0
85 / 89	0	68	40	108	75.3	0	74	42	116	75.0		54	22	76	73.2
80 / 84	16	52	65	133	74.6	6	56	63	125	74.3	0	56	42	98	71.7
75 / 79	108	31	77	216	73.3	94	35	85	214	73.2	29	52	75	156	71.1
70 / 74	116	9	29	154	70.9	134	10	30	174	70.6	111	30	55	196	68.8
65 / 69	8	0	1	9	66.0	12	1	2	15	65.0	51	12	23	86	63.6
60 / 64	0			0	61.1	2	1	0	3	60.6	29	6	10	45	58.5
55 / 59						0		0	0	57.8	14	1	5	20	54.4
50 / 54											5		0	5	50.4
45 / 49											1			1	46.9
40 / 44															
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.

COLUMBUS GA WMO No. 722255

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)				MCWB	Hour Group (LST)				MCWB	Hour Group (LST)				MCWB
	01 To 08	09 To 16	17 To 00	Total Obs	(°F)	01 To 08	09 To 16	17 To 00	Total Obs	(°F)	01 To 08	09 To 16	17 To 00	Total Obs	(°F)
100 / 104															
95 / 99															
90 / 94		1	0	1	72.2										
85 / 89		12	3	15	69.8		0		0	71.5					
80 / 84		33	11	44	67.4		5	1	6	66.7		0		0	67.2
75 / 79	1	47	27	75	65.6		23	7	30	65.0		4	1	5	66.5
70 / 74	21	56	50	128	64.2	4	36	23	63	63.2	2	13	7	22	63.9
65 / 69	38	42	49	129	61.0	20	38	36	94	61.1	7	21	16	44	60.8
60 / 64	52	32	45	129	57.4	30	43	40	113	56.8	14	33	26	73	56.4
55 / 59	44	15	32	91	53.3	35	37	40	112	51.8	20	38	34	92	51.5
50 / 54	39	6	20	65	48.7	34	29	37	100	47.1	27	41	40	108	47.1
45 / 49	31	2	8	41	44.5	33	17	28	78	42.9	36	37	46	119	42.7
40 / 44	17	0	2	19	40.4	34	8	20	62	38.8	38	27	34	99	38.3
35 / 39	5	0	0	5	36.5	30	4	8	42	34.8	38	18	25	81	33.7
30 / 34	1			1	32.3	18	0	2	20	30.7	36	9	14	59	29.3
25 / 29						2	0	0	2	27.0	20	3	4	27	25.1
20 / 24						0	0		0	22.0	5	2	1	8	20.1
15 / 19											2	0	1	3	15.4
10 / 14											1	0	0	1	10.1
5 / 9											0	0		0	6.6
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.

COLUMBUS GA WMO No. 722255

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) 01 To 08	09 To 16	17 To 00	Total Obs	MCWB (°F)
100 / 104		4	1	5	77.1
95 / 99		45	15	60	75.9
90 / 94		202	79	281	74.9
85 / 89	0	331	170	500	73.3
80 / 84	26	365	292	682	71.3
75 / 79	289	362	437	1088	70.0
70 / 74	565	325	390	1280	66.9
65 / 69	316	261	298	874	61.3
60 / 64	306	258	285	848	56.8
55 / 59	278	209	252	739	52.1
50 / 54	261	183	222	666	47.4
45 / 49	246	149	191	586	42.9
40 / 44	218	102	138	458	38.4
35 / 39	175	68	85	328	33.8
30 / 34	143	34	47	224	29.3
25 / 29	65	13	15	93	24.8
20 / 24	23	6	4	33	20.0
15 / 19	7	2	1	10	15.2
10 / 14	2	1	0	3	10.4
5 / 9	1	0	0	1	5.9
0 / 4	0	0	0	0	0.1
-5 / -1	0			0	-2.2

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.

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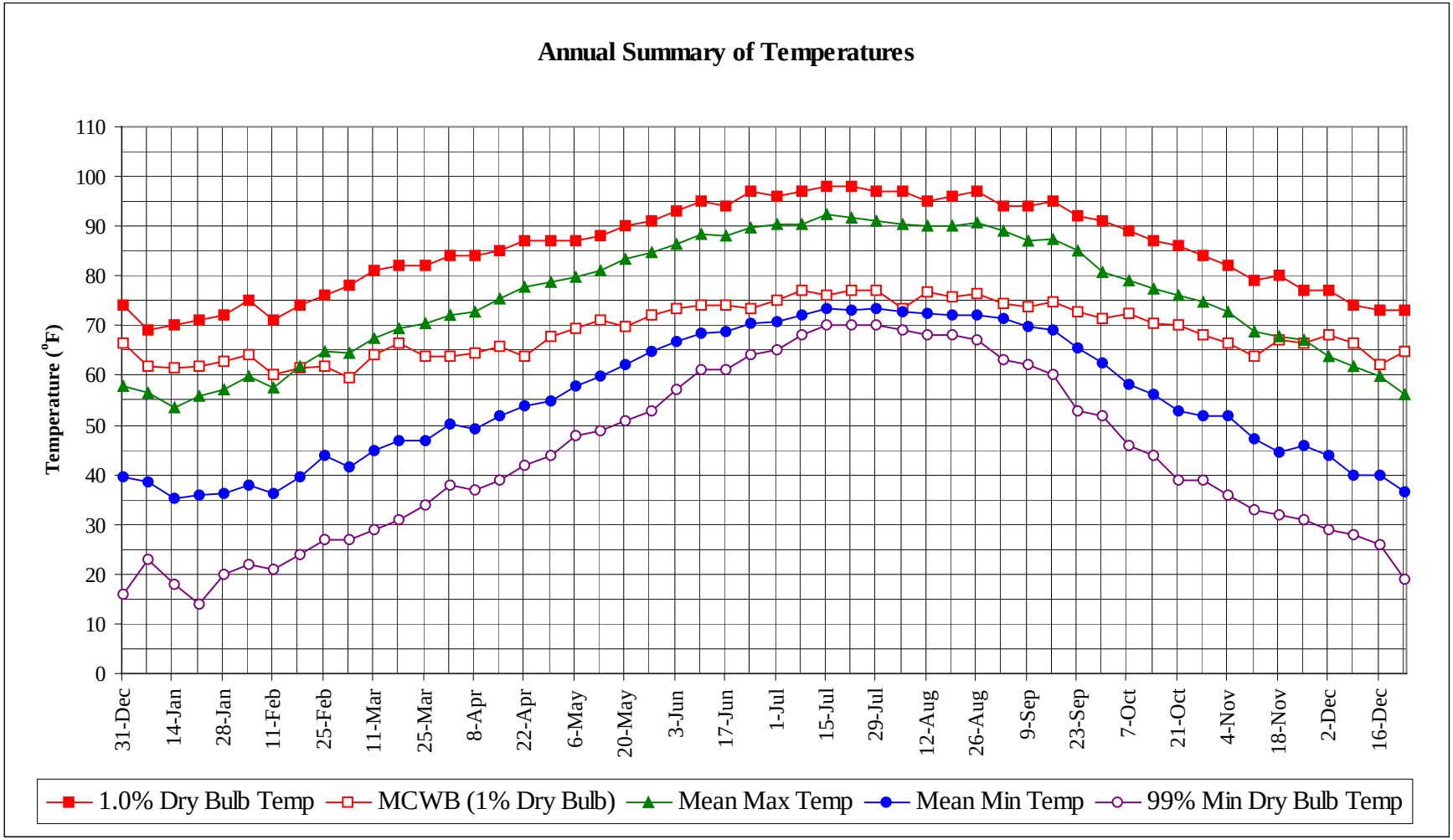
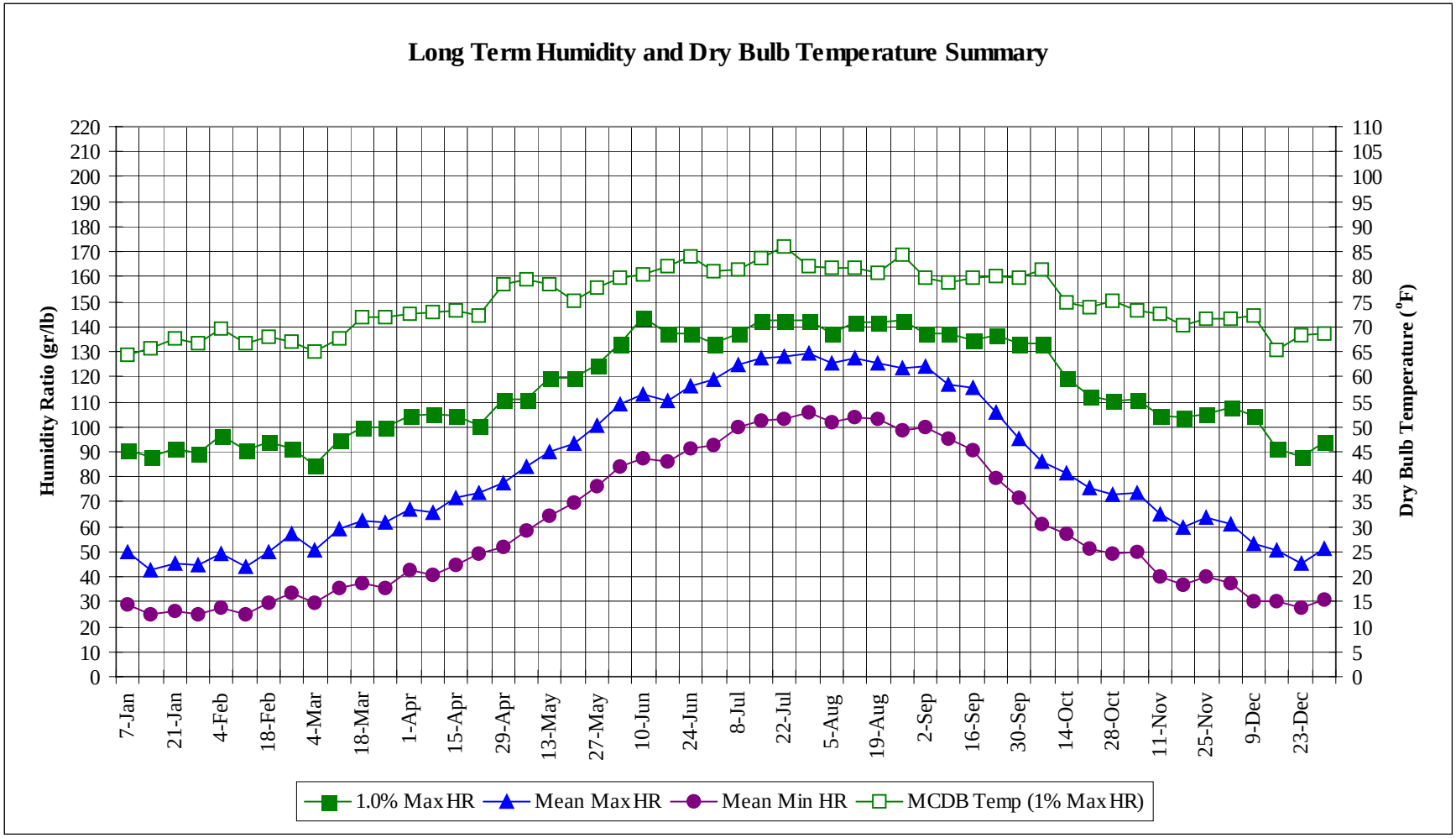


COLUMBUS GA WMO No. 722255

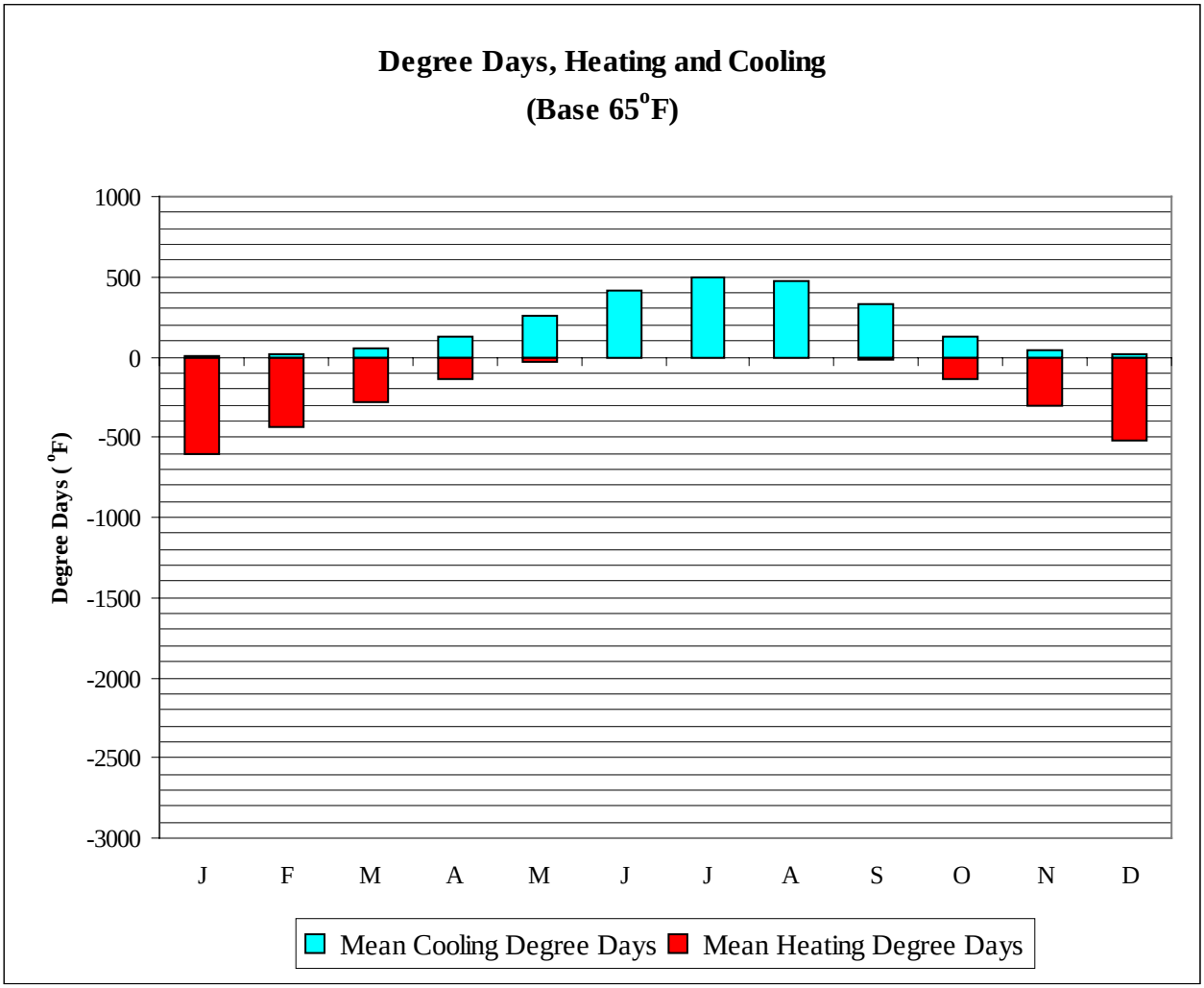


COLUMBUS GA WMO No. 722255

Long Term Dry Bulb Temperature and Humidity Summary

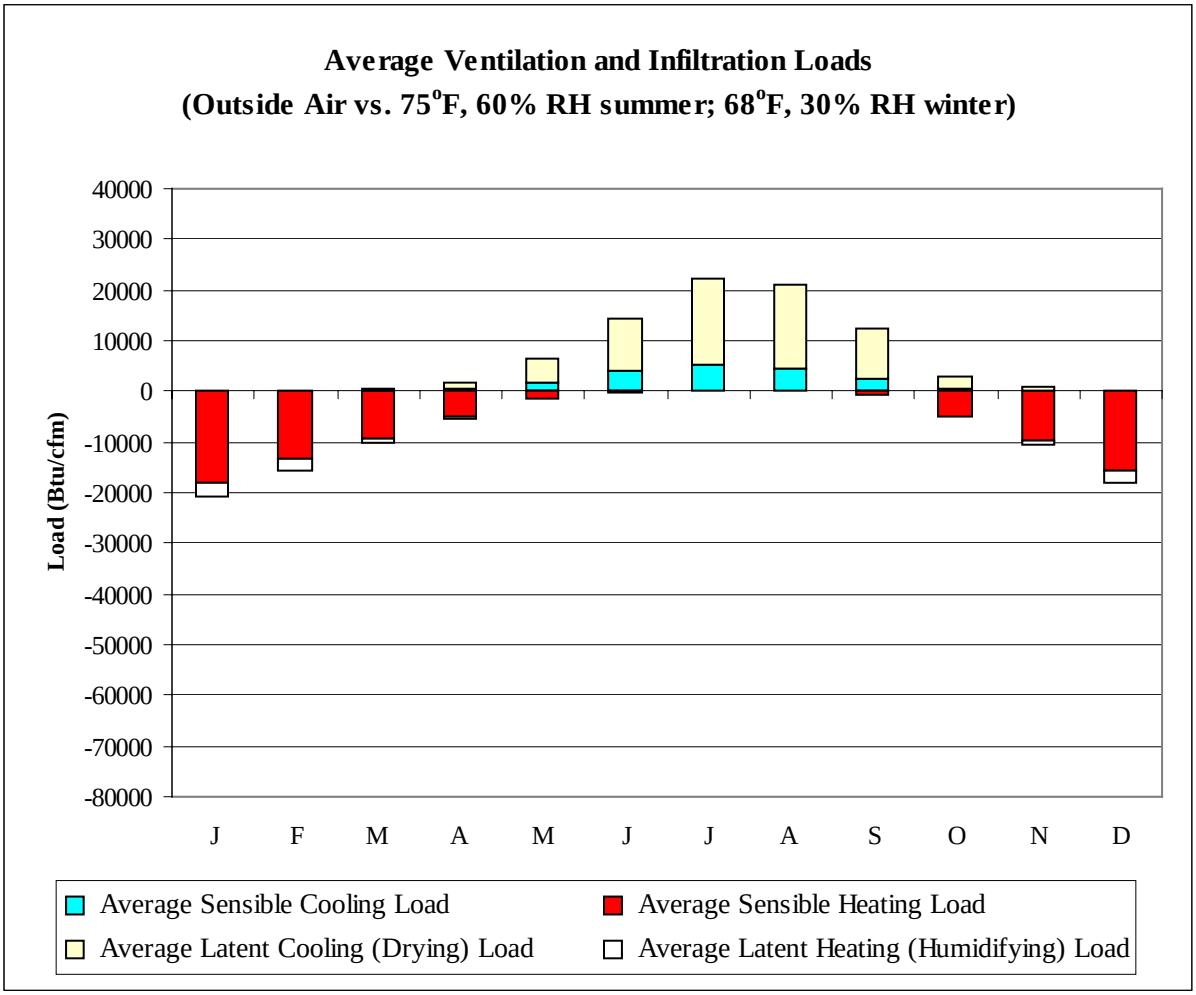
Week Ending	1.0% Temp (°F)	MCWB @ 1% Temp (°F)	Mean Max Temp (°F)	Mean Min Temp (°F)	99% Temp (°F)	1.0% HR (gr/lb)	MCDB @ 1% HR (°F)	Mean Max HR (gr/lb)	Mean Min HR (gr/lb)
7-Jan	69.0	61.7	56.4	38.5	23.0	90.3	64.5	49.8	29.2
14-Jan	70.0	61.4	53.6	35.2	18.0	88.2	65.6	42.7	24.7
21-Jan	71.0	61.7	55.9	35.9	14.0	91.0	67.5	45.6	26.4
28-Jan	72.0	62.9	57.2	36.1	20.0	89.6	66.7	44.4	24.9
4-Feb	75.0	64.1	59.8	37.9	22.0	96.6	69.6	49.1	27.5
11-Feb	71.0	60.1	57.4	36.4	21.0	90.3	66.7	44.2	25.0
18-Feb	74.0	61.6	61.8	39.7	24.0	93.8	67.8	50.1	29.8
25-Feb	76.0	62.0	64.9	43.9	27.0	91.0	67.0	57.2	33.8
4-Mar	78.0	59.6	64.3	41.4	27.0	84.7	65.1	50.2	29.9
11-Mar	81.0	64.3	67.5	44.9	29.0	94.5	67.6	58.9	35.4
18-Mar	82.0	66.6	69.3	46.9	31.0	100.1	71.8	62.5	37.5
25-Mar	82.0	63.9	70.5	46.8	34.0	100.1	71.8	61.8	35.5
1-Apr	84.0	63.8	72.0	50.1	38.0	104.3	72.7	67.0	42.6
8-Apr	84.0	64.4	72.9	49.2	37.0	105.0	72.9	65.6	40.4
15-Apr	85.0	65.9	75.5	51.9	39.0	104.3	73.2	71.5	45.0
22-Apr	87.0	63.8	77.7	54.0	42.0	100.8	72.3	73.3	49.4
29-Apr	87.0	67.9	78.6	54.9	44.0	111.3	78.4	77.6	51.8
6-May	87.0	69.3	79.9	57.8	48.0	111.3	79.4	84.2	58.8
13-May	88.0	71.1	81.0	59.8	49.0	119.7	78.6	90.1	64.2
20-May	90.0	69.8	83.3	62.2	51.0	119.7	75.1	93.1	69.4
27-May	91.0	72.1	84.6	64.9	53.0	124.6	77.9	100.5	76.4
3-Jun	93.0	73.4	86.6	66.8	57.0	133.0	79.9	108.8	84.0
10-Jun	95.0	74.2	88.4	68.6	61.0	143.5	80.4	112.8	87.0
17-Jun	94.0	74.1	88.2	68.9	61.0	137.2	82.2	110.4	85.8
24-Jun	97.0	73.4	89.8	70.6	64.0	137.2	83.9	116.1	91.2
1-Jul	96.0	75.2	90.4	70.9	65.0	133.0	81.1	119.2	92.5
8-Jul	97.0	77.0	90.4	72.1	68.0	137.2	81.6	124.7	99.8
15-Jul	98.0	76.2	92.2	73.3	70.0	142.8	83.9	127.6	102.4
22-Jul	98.0	77.0	91.8	73.0	70.0	142.8	86.0	127.9	102.9
29-Jul	97.0	77.1	91.0	73.4	70.0	142.8	82.2	129.4	106.0
5-Aug	97.0	73.5	90.5	72.7	69.0	137.2	81.9	125.7	101.9
12-Aug	95.0	76.6	90.0	72.4	68.0	142.1	81.6	127.3	103.6
19-Aug	96.0	75.7	90.1	72.2	68.0	142.1	80.8	125.4	102.9
26-Aug	97.0	76.3	90.6	72.1	67.0	142.8	84.5	123.4	98.7
2-Sep	94.0	74.5	89.1	71.6	63.0	137.2	79.8	123.9	99.6
9-Sep	94.0	73.8	87.2	69.8	62.0	137.2	78.7	117.0	95.2
16-Sep	95.0	74.8	87.5	69.0	60.0	134.4	79.7	115.3	90.4
23-Sep	92.0	72.9	84.9	65.4	53.0	136.5	80.1	106.0	79.8
30-Sep	91.0	71.5	80.9	62.4	52.0	133.0	79.8	95.3	71.8
7-Oct	89.0	72.3	79.2	58.3	46.0	133.0	81.3	85.9	61.3
14-Oct	87.0	70.6	77.3	56.0	44.0	119.7	75.0	81.3	57.2
21-Oct	86.0	70.0	76.1	52.8	39.0	112.0	73.8	75.4	51.3
28-Oct	84.0	68.2	74.7	51.9	39.0	110.6	75.1	72.8	49.4
4-Nov	82.0	66.6	72.6	51.8	36.0	111.3	73.3	73.3	50.1
11-Nov	79.0	63.9	68.8	47.0	33.0	104.3	72.7	64.7	39.8
18-Nov	80.0	67.2	67.6	44.7	32.0	103.6	70.1	59.9	37.0
25-Nov	77.0	66.6	67.1	46.0	31.0	105.0	71.5	63.9	40.3
2-Dec	77.0	68.1	63.9	43.8	29.0	107.8	71.7	61.0	37.2
9-Dec	74.0	66.3	61.8	39.9	28.0	104.3	72.2	53.0	30.2
16-Dec	73.0	62.1	59.7	39.8	26.0	91.0	65.3	50.7	30.3
23-Dec	73.0	64.6	56.1	36.7	19.0	88.2	68.3	45.4	27.5
31-Dec	74.0	66.5	57.8	39.4	16.0	93.8	68.6	51.4	30.7

COLUMBUS GA WMO No. 722255



	Mean Cooling Degree Days (°F)	Mean Heating Degree Days (°F)
JAN	5	603
FEB	15	440
MAR	58	287
APR	120	142
MAY	255	35
JUN	413	2
JUL	495	0
AUG	468	0
SEP	324	15
OCT	127	135
NOV	42	300
DEC	12	524
ANN	2334	2483

COLUMBUS GA WMO No. 722255



	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	1	-17956	121	-2900
FEB	16	-13375	185	-2207
MAR	203	-9276	434	-1045
APR	673	-5020	1036	-319
MAY	1907	-1530	4509	-6
JUN	4062	-156	10438	0
JUL	5255	-6	17032	0
AUG	4671	-30	16243	0
SEP	2657	-699	9781	-2
OCT	651	-4815	2327	-120
NOV	87	-9636	941	-886
DEC	9	-15832	311	-2179
ANN	20192	-78331	63358	-9664

Average Annual Solar Radiation – Nearest Available Site

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

City: COLUMBUS
State: GA
WBAN No: 93842
Lat(N): 32.52
Long(W): 84.95
Elev(ft): 446

Stn Type: Secondary
SHADING GEOMETRY IN DIMENSIONLESS UNITS
Window: 1
Overhang: 0.978
Vert Gap: 0.659

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	860	1120	1450	1820	1970	2010	1900	1790	1550	1320	970	800	1460
	Std Dev	59	99	115	114	121	129	151	98	107	110	80	64	37
	Minimum	760	960	1220	1610	1730	1770	1510	1590	1350	1090	750	670	1360
	Maximum	1020	1340	1620	2040	2330	2210	2140	1960	1740	1540	1110	910	1520
	Diffuse	380	460	590	690	830	900	920	850	710	500	400	350	630
Clear Day	Global	1220	1540	1950	2320	2520	2570	2500	2310	1990	1590	1240	1100	1910
NORTH	Global	250	300	380	460	570	630	590	510	420	340	270	230	410
	Diffuse	250	300	380	450	510	540	530	490	420	340	270	230	390
Clear Day	Global	220	270	350	440	590	680	630	490	400	320	240	210	400
EAST	Global	530	680	830	1000	1060	1070	1020	990	870	790	600	500	830
	Diffuse	290	360	460	550	610	640	640	600	520	420	320	270	470
Clear Day	Global	850	1020	1210	1330	1360	1350	1320	1260	1150	990	830	760	1120
SOUTH	Global	1140	1190	1120	940	730	650	670	820	1020	1280	1230	1150	990
	Diffuse	390	440	510	540	550	550	560	570	560	500	420	370	500
Clear Day	Global	2040	1950	1640	1180	830	700	750	1010	1400	1740	1910	1960	1420
WEST	Global	560	710	880	1040	1060	1040	980	960	880	800	620	530	840
	Diffuse	300	370	470	560	620	650	640	610	530	420	330	280	480
Clear Day	Global	850	1020	1210	1330	1360	1350	1320	1260	1150	990	830	760	1120

Average Annual Solar Heat and Illumination – Nearest Available Site

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

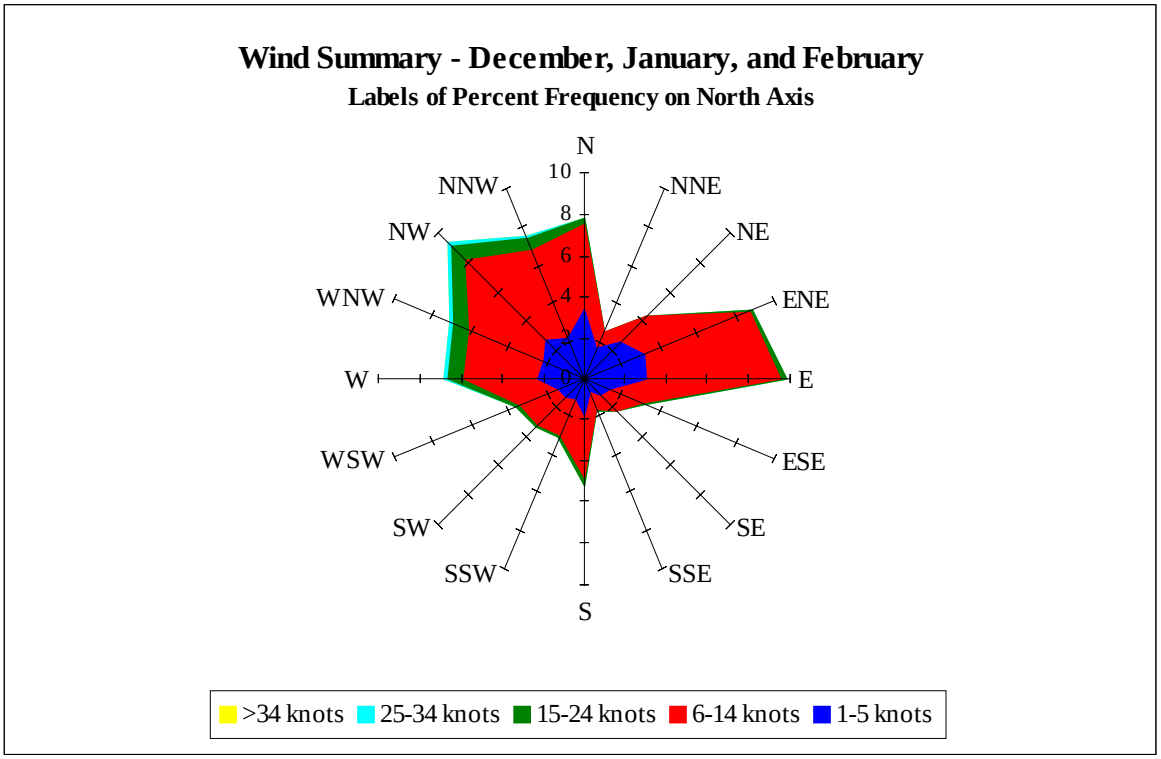
AVERAGE TRANSMITTED SOLAR RADIATION (Btu/sq.ft./day) FOR DOUBLE GLAZING, Percentage Uncertainty = 9

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
HORIZ	Unshaded	580	780	1040	1320	1440	1470	1380	1300	1110	940	670	530	1050
NORTH	Unshaded	170	210	260	310	370	410	390	340	290	230	180	160	280
	Shaded	140	180	230	270	320	340	330	290	250	200	160	130	240
EAST	Unshaded	370	470	590	710	750	760	720	700	620	560	420	340	580
	Shaded	310	390	480	570	600	600	570	560	500	460	350	290	470
SOUTH	Unshaded	840	860	750	580	440	400	420	500	660	900	910	860	680
	Shaded	790	690	400	320	330	330	330	340	340	620	820	830	510
WEST	Unshaded	390	500	620	740	750	740	690	680	630	570	430	370	590
	Shaded	330	420	510	600	600	590	550	550	500	470	360	310	480

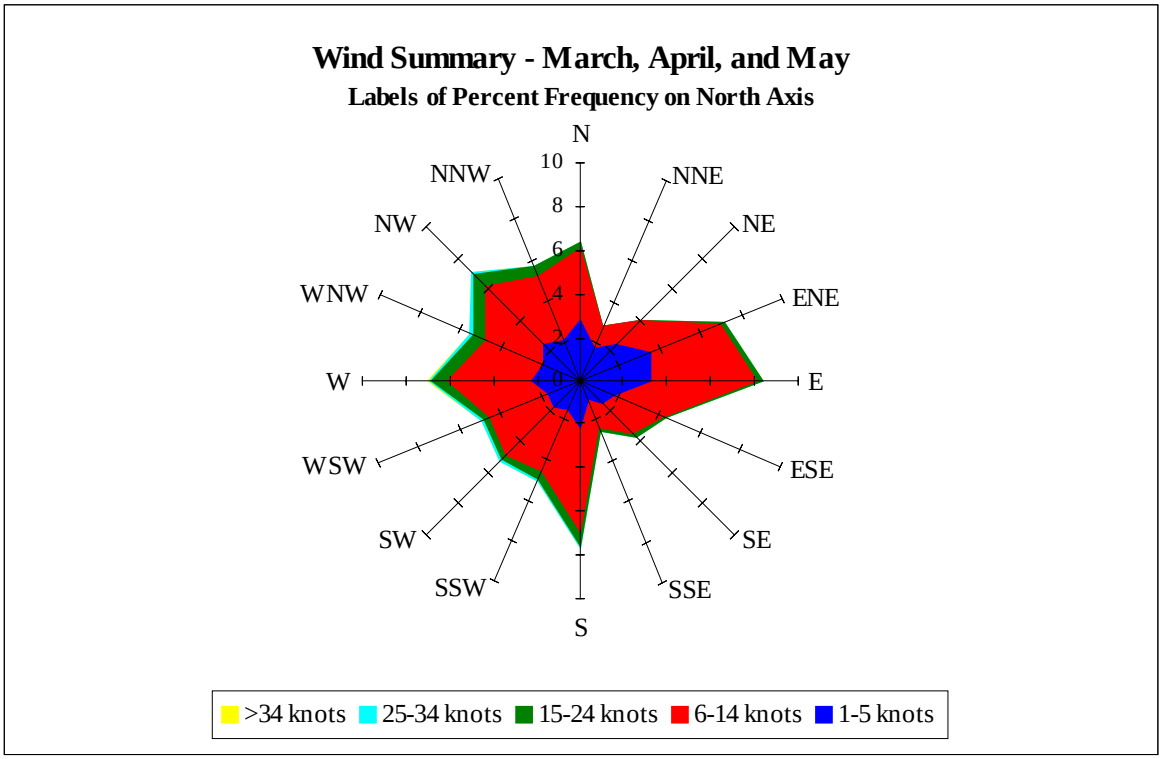
AVERAGE INCIDENT ILLUMINANCE (klux-hr) FOR MOSTLY CLEAR AND MOSTLY CLOUDY CONDITIONS, Percentage Uncertainty = 9

		March					June				
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	31	72	91	81	45	30	74	99	101	77
	M.Cloudy	18	44	57	53	29	19	49	76	78	55
NORTH	M.Clear	8	14	16	15	11	22	17	18	18	17
	M.Cloudy	7	15	18	17	11	12	17	20	20	17
EAST	M.Clear	72	70	24	15	11	59	78	47	18	17
	M.Cloudy	23	35	22	17	11	24	44	38	20	17
SOUTH	M.Clear	26	61	76	67	38	10	17	33	34	20
	M.Cloudy	12	31	43	40	21	8	17	29	30	19
WEST	M.Clear	8	14	16	59	79	10	17	18	39	72
	M.Cloudy	7	15	18	36	35	8	17	20	33	47
M.Clear	(% hrs)	36	37	38	37	38	45	48	40	34	39

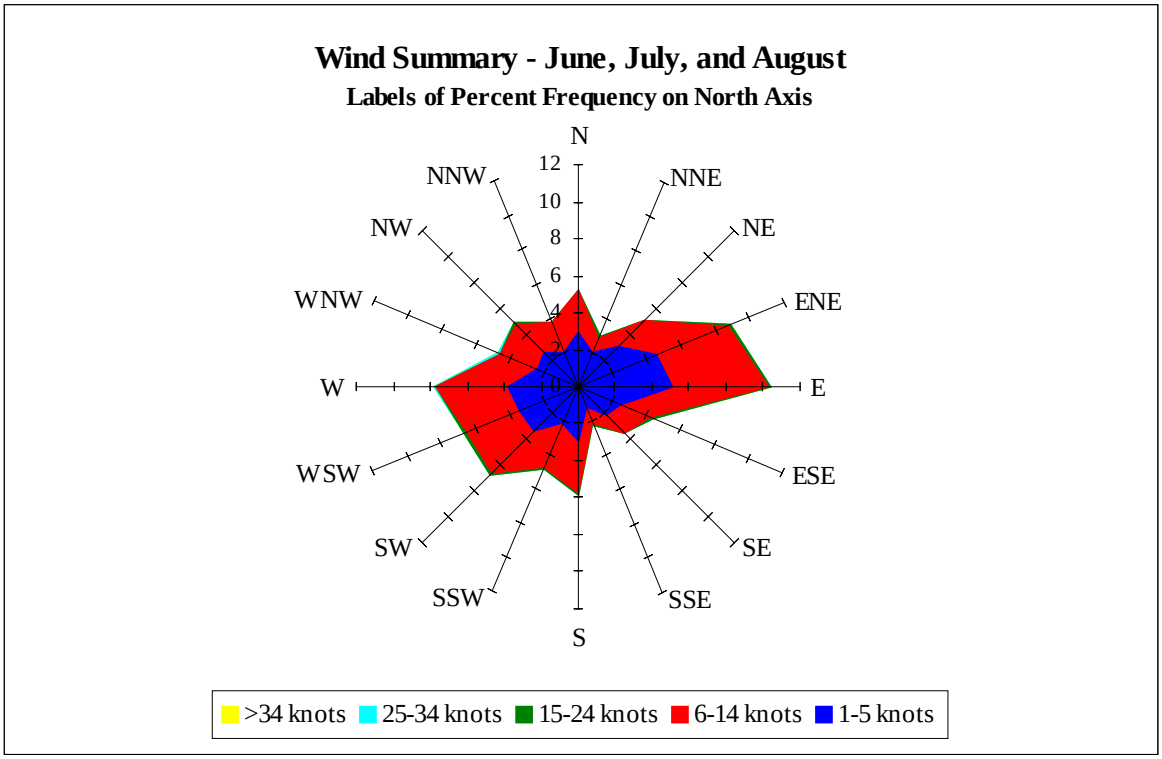
		Sept					Dec				
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	15	61	87	88	61	12	47	61	48	15
	M.Cloudy	10	37	62	64	42	7	26	35	29	10
NORTH	M.Clear	6	14	18	18	15	5	10	12	11	5
	M.Cloudy	5	14	19	19	15	3	10	13	11	5
EAST	M.Clear	40	76	45	18	15	40	53	14	11	5
	M.Cloudy	13	34	33	19	15	10	21	14	11	5
SOUTH	M.Clear	9	43	64	65	43	29	78	93	79	35
	M.Cloudy	5	23	42	45	27	8	26	36	32	12
WEST	M.Clear	6	14	18	41	71	5	10	12	51	45
	M.Cloudy	5	14	19	32	40	3	10	13	24	14
M.Clear	(% hrs)	45	45	40	36	43	37	37	39	38	39



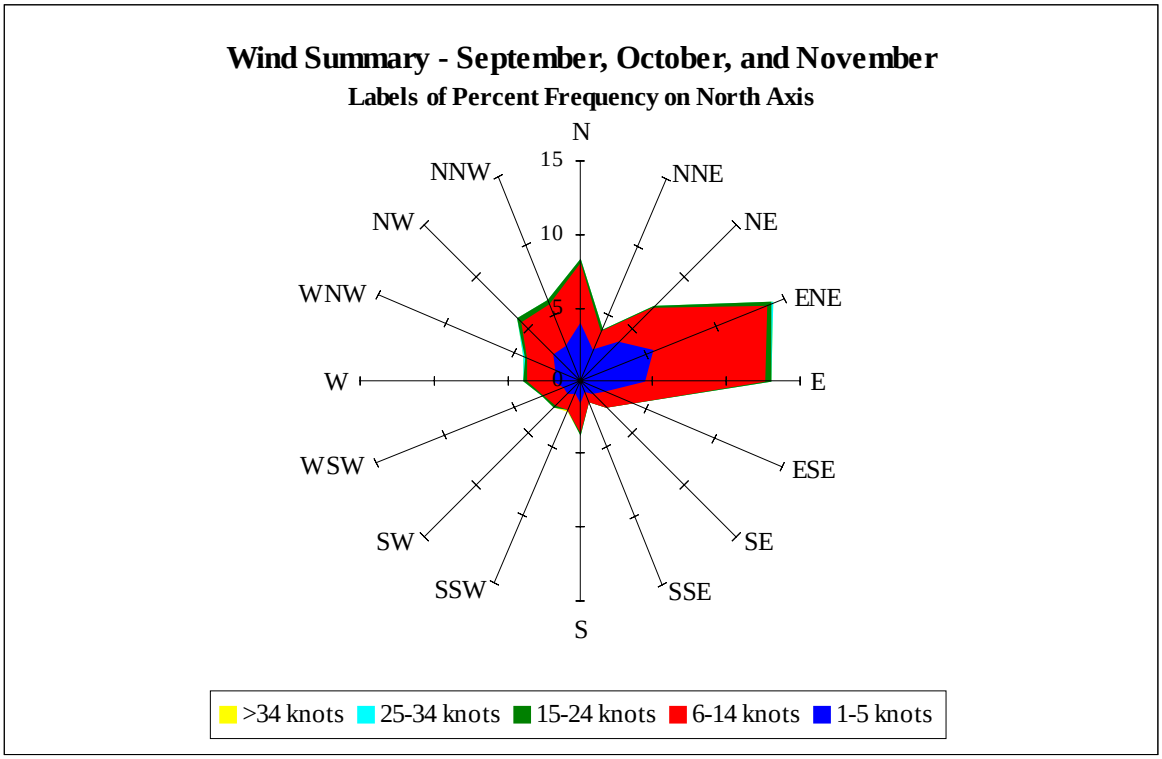
Percent Calm = 13.97



Percent Calm = 13.58



Percent Calm = 12.89



Percent Calm = 15.68