

TYNDALL AFB	FL	
Latitude = 30.07 N		WMO No. 747750
Longitude = 85.58 W		Elevation = 16 feet
Period of Record = 1967 to 1996		Average Pressure = 30.01 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	94	79	123	7.0	WSW
0.4% Occurrence	91	78	128	7.6	WSW
1.0% Occurrence	90	78	128	7.5	WSW
2.0% Occurrence	88	78	128	7.3	WSW
Mean Daily Range	15	-	-	-	-
97.5% Occurrence	39	35	23	6.9	N
99.0% Occurrence	35	31	18	7.8	N
99.6% Occurrence	32	28	15	8.7	N
Median of Extreme Lows	26	22	9	10.0	N
	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	83	88	159	7.3	WSW
0.4% Occurrence	82	87	154	7.0	WSW
1.0% Occurrence	81	86	148	6.8	WSW
2.0% Occurrence	80	86	143	6.6	WSW
	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	162	86	1.07	6.7	W
0.4% Occurrence	157	85	1.04	5.8	WSW
1.0% Occurrence	151	85	1.00	6.2	WSW
2.0% Occurrence	146	84	0.97	5.6	W
Air Conditioning/ Humid Area Criteria	# of Hours	T ≥ 93°F	T ≥ 80°F	T _{wb} ≥ 73°F	T _{wb} ≥ 67°F
		11	1923	2531	4146

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
10	4.8	130	8.4 + 1.8
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 (#)
70.7	0	0	5

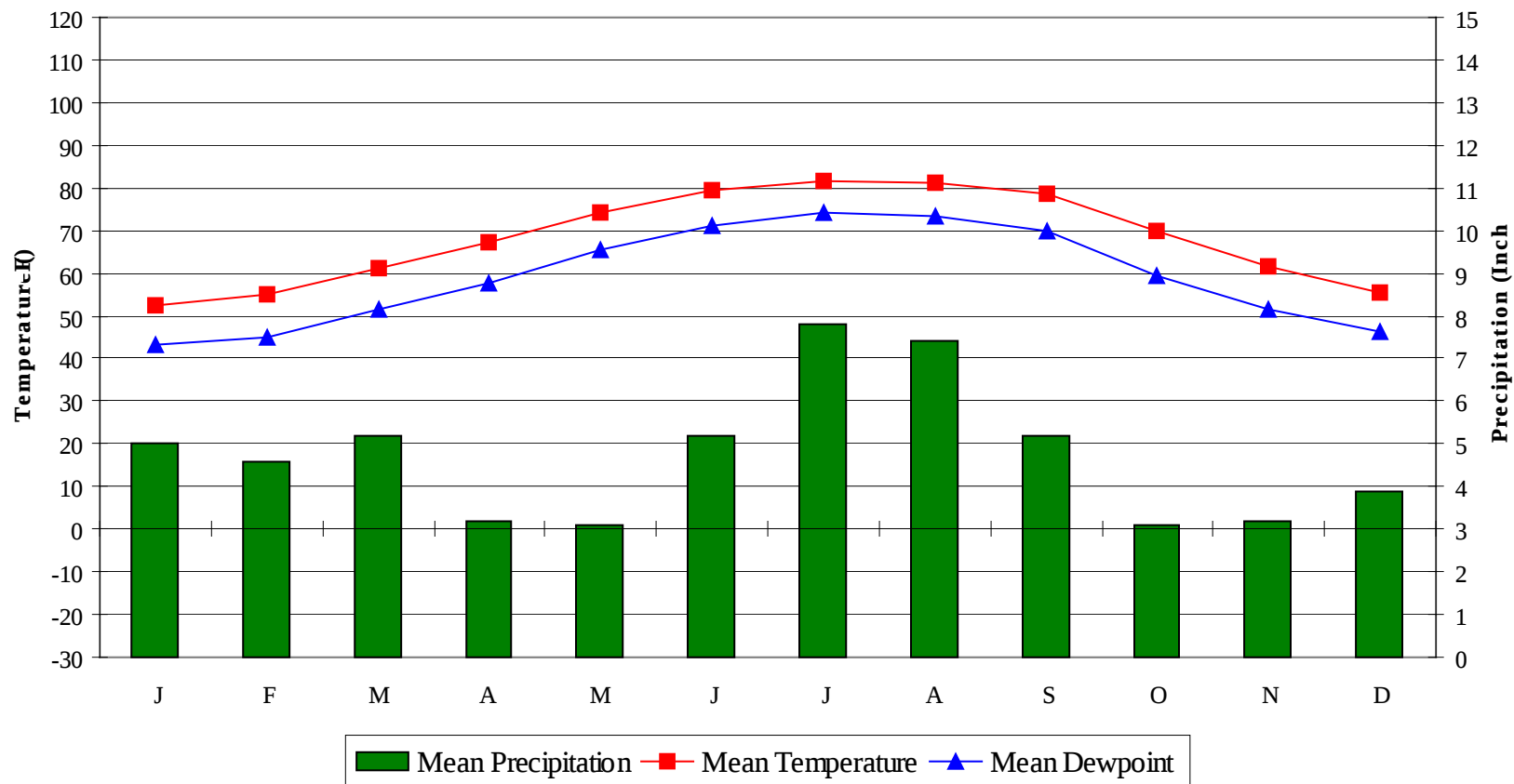
*Note: Temperatures at greater depths can be estimated by adding 1.5°F per 100 feet additional depth.

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Average Annual Climate

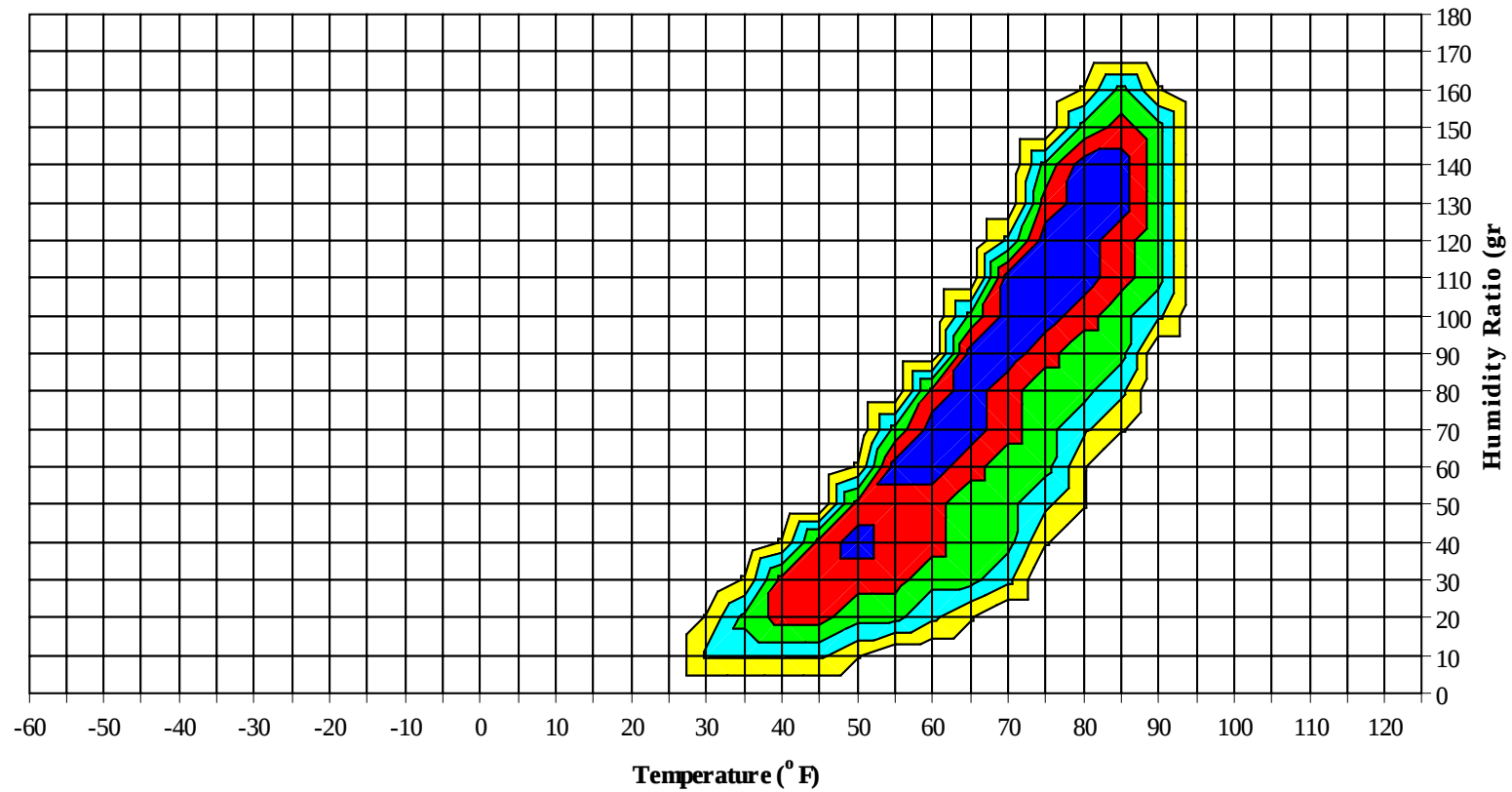


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Long Term Psychrometric Summary

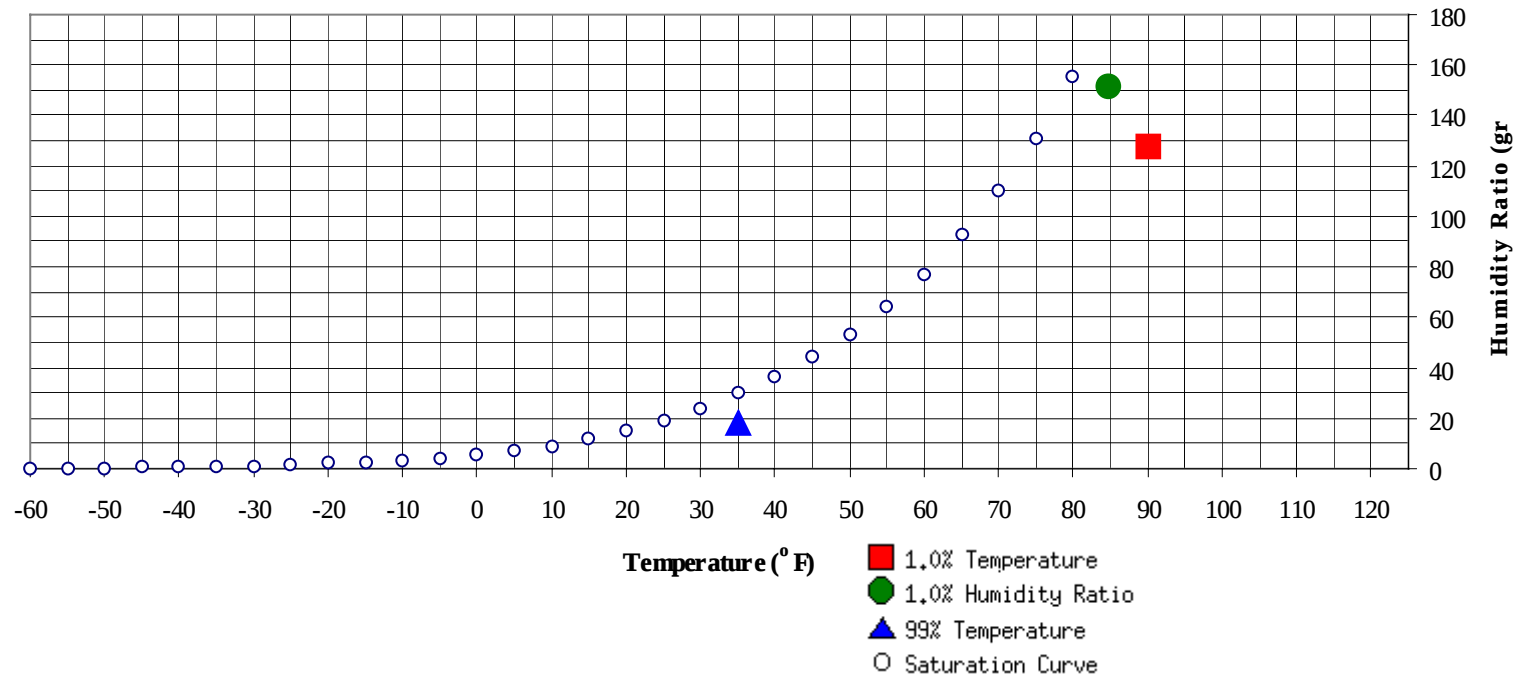


- 50% of all observations
- 80% of all observations
- 95% of all observations
- 97.5% of all observations
- 99% of all observations

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Psychrometric Summary of Peak Design Values

	(°F)	MCHR	Enthalpy	1.0% Humidity	(gr/lb)	MCDB	MCWB	MC Dewpt	Enthalpy
		(gr/lb)	(btu/lb)			(°F)	(°F)	(°F)	(btu/lb)
99% Dry Bulb	35	18.1	11.2	Ratio	151.2	84.7	80.6	79	44.1

1.0% Dry Bulb	(°F)	MCHR	MCWB	Enthalpy
		(gr/lb)	(°F)	(btu/lb)
90	127.9	78.4	41.7	

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

Period of Record = 1967 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		
95 / 99															
90 / 94															
85 / 89															
80 / 84							0		0	62.8		2		2	68.6
75 / 79		2		2	69.5		2	0	2	66.9	0	24	2	26	67.5
70 / 74	2	20	2	24	66.5	1	26	3	31	65.9	10	67	19	96	65.4
65 / 69	16	40	20	76	63.2	18	47	26	91	62.3	44	63	62	169	62.3
60 / 64	30	49	43	122	58.4	30	49	47	127	57.6	47	42	68	158	57.4
55 / 59	32	44	43	120	52.8	35	37	45	116	52.3	48	28	47	123	52.3
50 / 54	33	36	42	111	47.4	34	28	40	102	47.0	43	13	28	84	47.5
45 / 49	40	28	41	109	42.5	38	19	31	88	42.1	29	6	15	50	42.6
40 / 44	38	15	34	87	37.7	31	10	21	61	37.6	18	2	6	26	37.9
35 / 39	36	9	16	61	33.1	24	4	8	37	33.2	5	1	1	7	32.7
30 / 34	15	2	5	22	28.0	10	1	2	13	28.2	2	0	1	2	28.4
25 / 29	5	1	2	8	23.2	2	0	0	3	23.5	1	0		1	24.3
20 / 24	1	0	0	1	19.1	0	0	0	1	19.5					
15 / 19	1	0		1	13.6	0			0	16.1					
10 / 14	0			0	10.0										

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.

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

Period of Record = 1967 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		
95 / 99												1		1	77.4
90 / 94							1		1	75.5		10	0	10	77.1
85 / 89		0	0	1	70.5	0	19	1	19	74.3	5	107	12	124	76.9
80 / 84	0	21	0	21	71.0	7	108	17	132	72.7	58	96	99	253	75.5
75 / 79	6	84	14	104	68.8	43	87	84	214	70.7	87	20	92	199	73.1
70 / 74	42	76	69	187	66.2	87	27	97	212	67.9	75	5	32	113	69.5
65 / 69	61	36	80	177	61.9	69	4	38	111	63.7	15	0	3	18	63.7
60 / 64	57	15	47	120	57.4	32	1	10	42	58.4	1	0	0	1	58.7
55 / 59	42	6	20	68	52.4	9	0	1	11	53.6	0		0	0	52.1
50 / 54	23	2	7	32	47.9	1		0	1	49.2	0			0	47.7
45 / 49	8	0	1	9	43.5	0		0	0	46.3					
40 / 44	2	0	0	2	38.9										
35 / 39	0			0	39.0										
30 / 34															
25 / 29															
20 / 24															
15 / 19															
10 / 14															

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

Period of Record = 1967 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		
95 / 99		1		1	78.8		1		1	78.9		0		0	78.0
90 / 94	0	32	1	34	79.2		40	1	41	79.0		16	0	16	77.1
85 / 89	17	136	44	197	78.4	12	131	43	186	77.9	2	109	14	125	76.7
80 / 84	89	57	117	262	76.8	65	55	102	223	76.4	28	72	73	173	75.0
75 / 79	99	20	72	190	74.3	124	20	89	233	74.0	90	32	98	219	72.7
70 / 74	39	5	15	59	71.6	42	3	12	58	71.1	83	10	43	135	69.1
65 / 69	1	0	0	1	67.2	2	0	1	2	65.8	23	3	10	36	62.8
60 / 64						0		0	0	60.8	9	1	3	12	57.5
55 / 59											2	0	1	3	53.3
50 / 54											0		0	0	50.3
45 / 49															
40 / 44															
35 / 39															
30 / 34															
25 / 29															
20 / 24															
15 / 19															
10 / 14															

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Dry-Bulb Temperature Hours For An Average Year (Sheet 4 of 5)

Period of Record = 1967 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		
95 / 99															
90 / 94		1		1	74.8										
85 / 89	0	17	0	18	74.0		0		0	71.0					
80 / 84	3	68	10	80	71.8		11		11	71.6		1		1	72.0
75 / 79	17	73	43	133	69.1	2	45	5	51	69.1	0	12	0	13	69.1
70 / 74	56	53	74	183	66.2	22	59	32	114	66.4	8	39	9	55	66.8
65 / 69	56	25	59	141	61.8	39	44	52	135	62.0	26	43	33	103	63.1
60 / 64	55	8	40	103	57.2	38	35	46	118	56.7	32	47	43	122	57.8
55 / 59	37	2	17	56	52.0	40	24	41	106	51.6	29	40	40	110	52.2
50 / 54	18	1	4	22	47.7	40	15	34	89	47.0	39	31	47	118	47.2
45 / 49	5	0	1	7	43.8	30	5	21	57	42.2	43	21	39	102	42.5
40 / 44	1	0	0	1	39.1	22	1	7	31	38.3	35	9	22	66	37.8
35 / 39						6	0	1	8	33.8	22	4	10	36	32.7
30 / 34						1	0	0	1	28.1	10	1	3	14	28.2
25 / 29											2	1	1	3	22.8
20 / 24											1	0	0	1	18.1
15 / 19											1			1	14.2
10 / 14															

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.

TYNDALL AFB FL WMO No. 747750
Dry-Bulb Temperature Hours For An Average Year (Sheet 5 of 5)
Period of Record = 1967 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		
95 / 99		2		2	78.4
90 / 94	0	100	3	103	78.5
85 / 89	36	517	114	667	77.4
80 / 84	248	488	417	1153	75.2
75 / 79	466	420	496	1382	72.0
70 / 74	465	391	407	1264	67.5
65 / 69	369	309	384	1063	62.5
60 / 64	331	248	349	928	57.5
55 / 59	276	182	257	716	52.3
50 / 54	232	126	203	562	47.3
45 / 49	195	80	150	425	42.4
40 / 44	147	37	91	275	37.8
35 / 39	94	19	37	150	33.1
30 / 34	37	5	11	53	28.1
25 / 29	10	1	3	15	23.2
20 / 24	2	1	1	3	18.8
15 / 19	1	0		1	14.3
10 / 14	0			0	10.0

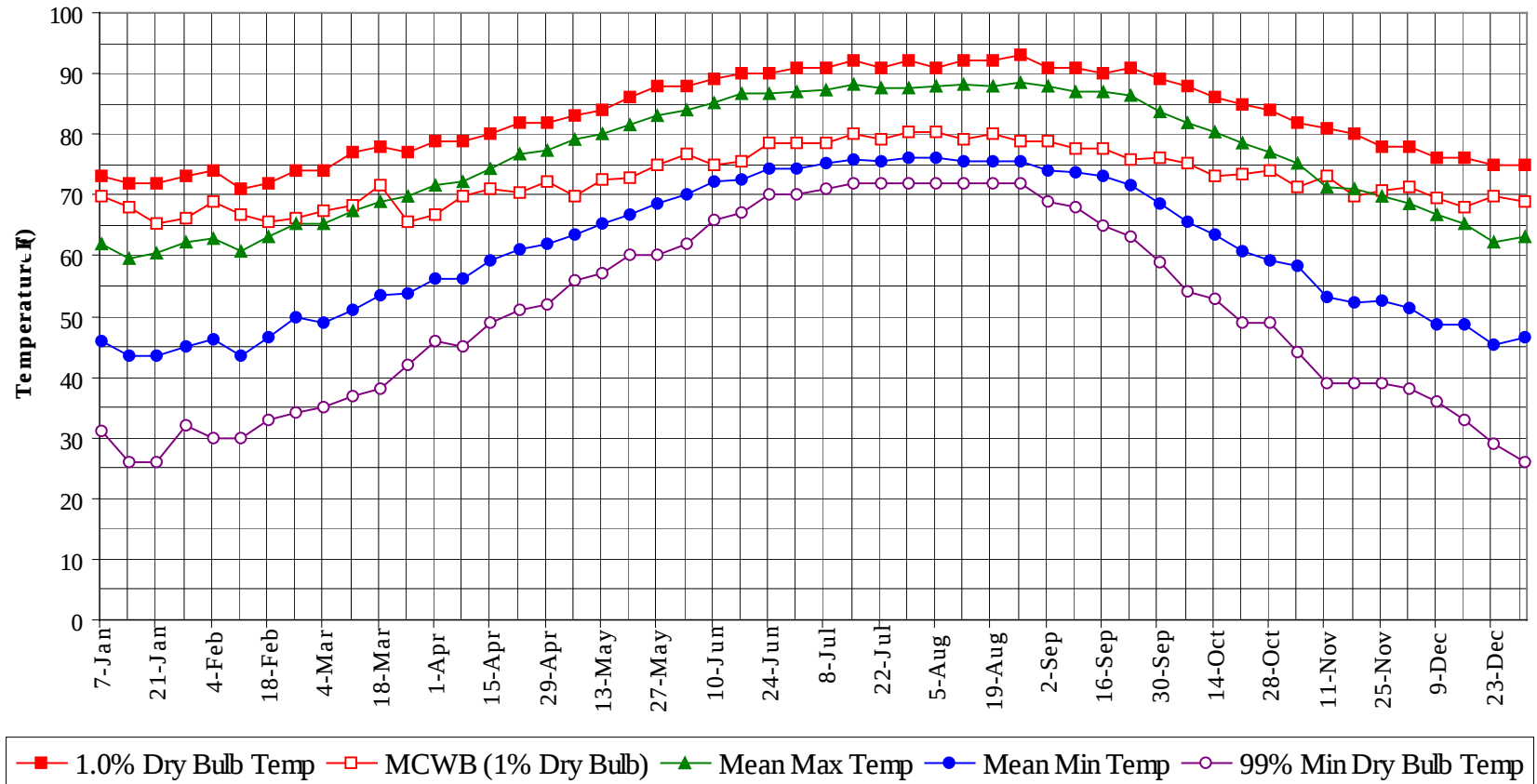
Caution: This summary reflects the typical distribution of temperature in a typical year. It does not reflect the typical moisture distribution. Because wet bulb temperatures are averaged, this summary understates the annual moisture load. For accurate moisture load data, see the long-term humidity summary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

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Annual Summary of Temperatures

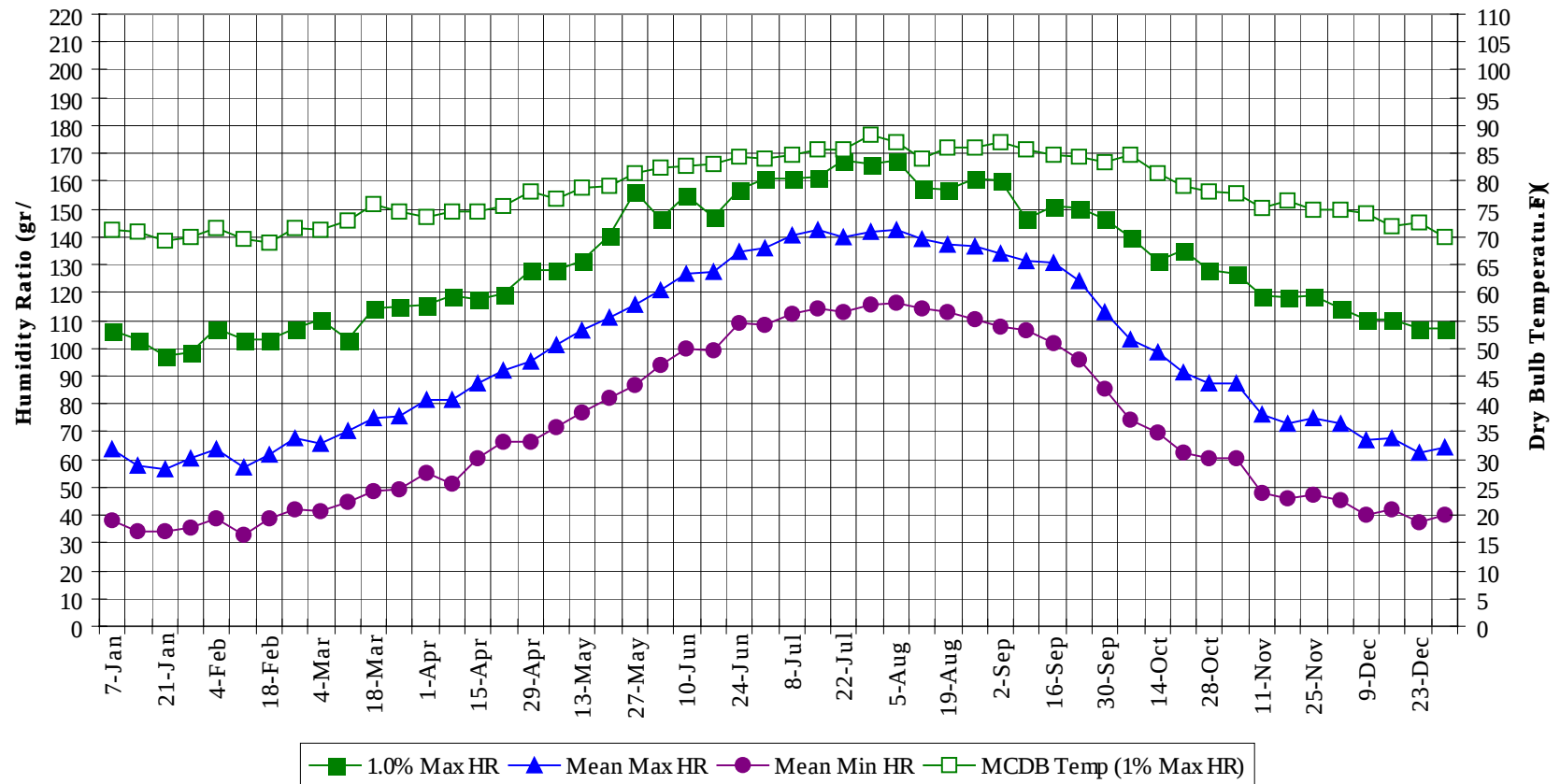


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Long Term Humidity and Dry Bulb Temperature Summary



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WMO No. 747750

Long Term Dry Bulb Temperature and Humidity Summary

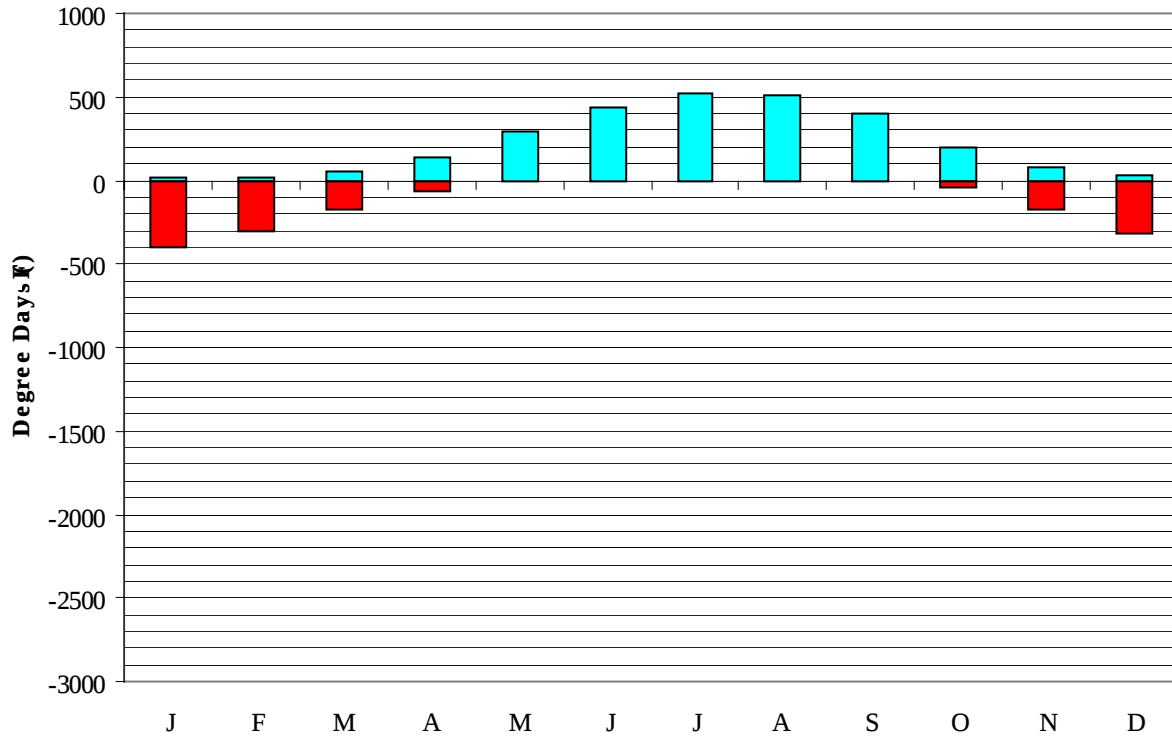
Week Ending	1.0% Temp (°F)	MCWB @ 1% Temp (°F)	Mean Max Temp (°F)	Mean Min Temp (°F)	99% Temp (°F)	1.0% HR (gr/lb)	MCDB @ 1% HR (°F)	Mean Max HR (gr/lb)	Mean Min HR (gr/lb)
7-Jan	73.0	69.9	61.9	45.8	31.0	106.4	71.4	63.6	38.1
14-Jan	72.0	68.1	59.4	43.4	26.0	102.9	71.0	57.7	34.5
21-Jan	72.0	65.2	60.5	43.6	26.0	97.3	69.3	56.7	34.2
28-Jan	73.0	66.1	62.1	44.9	32.0	98.7	69.9	60.5	35.3
4-Feb	74.0	68.8	62.8	46.1	30.0	107.1	71.6	63.9	38.7
11-Feb	71.0	66.6	60.7	43.5	30.0	102.9	69.8	56.9	33.0
18-Feb	72.0	65.7	63.1	46.5	33.0	102.9	68.9	61.4	38.6
25-Feb	74.0	66.3	65.3	49.8	34.0	107.1	71.5	67.5	42.3
4-Mar	74.0	67.5	65.4	48.8	35.0	110.6	71.3	65.8	41.2
11-Mar	77.0	68.4	67.3	51.1	37.0	102.9	73.0	70.5	44.7
18-Mar	78.0	71.6	69.0	53.5	38.0	114.1	75.7	75.1	48.9
25-Mar	77.0	65.6	69.9	53.9	42.0	114.8	74.4	75.8	49.2
1-Apr	79.0	66.6	71.6	56.3	46.0	115.5	73.6	81.8	55.3
8-Apr	79.0	69.7	72.3	56.2	45.0	119.0	74.6	81.4	51.1
15-Apr	80.0	70.9	74.4	59.1	49.0	117.6	74.7	87.5	60.2
22-Apr	82.0	70.4	76.6	61.1	51.0	119.7	75.6	91.8	66.5
29-Apr	82.0	72.2	77.2	62.0	52.0	128.1	78.2	95.0	66.6
6-May	83.0	69.7	79.0	63.4	56.0	128.1	77.0	101.0	71.6
13-May	84.0	72.6	80.0	65.1	57.0	131.6	78.8	106.3	77.0
20-May	86.0	72.8	81.7	66.7	60.0	140.7	79.1	111.2	82.0
27-May	88.0	74.9	83.0	68.5	60.0	156.1	81.5	115.5	86.4
3-Jun	88.0	76.8	84.1	70.1	62.0	146.3	82.5	121.2	93.7
10-Jun	89.0	75.0	85.2	72.2	66.0	154.7	82.9	126.6	99.6
17-Jun	90.0	75.6	86.6	72.4	67.0	147.0	83.2	127.2	99.1
24-Jun	90.0	78.7	86.6	74.4	70.0	156.8	84.2	134.7	108.9
1-Jul	91.0	78.5	87.2	74.4	70.0	161.0	84.0	135.9	108.7
8-Jul	91.0	78.4	87.4	75.1	71.0	161.0	84.9	140.3	112.4
15-Jul	92.0	80.2	88.3	75.9	72.0	161.7	85.8	142.7	114.5
22-Jul	91.0	79.3	87.6	75.4	72.0	167.3	85.8	139.9	113.0
29-Jul	92.0	80.5	87.7	76.1	72.0	165.9	88.2	142.0	115.9
5-Aug	91.0	80.4	87.8	76.1	72.0	167.3	87.0	142.4	116.0
12-Aug	92.0	79.2	88.1	75.6	72.0	157.5	83.9	139.0	114.0
19-Aug	92.0	80.0	87.9	75.4	72.0	156.8	86.1	137.0	113.2
26-Aug	93.0	79.0	88.5	75.6	72.0	161.0	85.9	136.5	110.3
2-Sep	91.0	78.9	88.0	74.1	69.0	160.3	87.0	134.0	107.7
9-Sep	91.0	77.6	87.1	73.8	68.0	146.3	85.8	131.1	106.4
16-Sep	90.0	77.8	87.1	73.0	65.0	151.2	84.8	130.4	102.1
23-Sep	91.0	75.9	86.3	71.5	63.0	150.5	84.3	124.3	95.9
30-Sep	89.0	76.2	83.8	68.6	59.0	146.3	83.4	113.3	85.4
7-Oct	88.0	75.3	81.9	65.7	54.0	140.0	84.8	102.9	74.4
14-Oct	86.0	73.2	80.5	63.5	53.0	131.6	81.4	98.6	69.8
21-Oct	85.0	73.4	78.6	60.6	49.0	135.1	79.3	91.0	62.2
28-Oct	84.0	74.0	77.1	59.2	49.0	128.1	78.1	87.6	60.7
4-Nov	82.0	71.5	75.2	58.2	44.0	126.7	77.7	87.3	60.4
11-Nov	81.0	73.1	71.3	53.3	39.0	119.0	75.2	75.9	48.0
18-Nov	80.0	69.7	71.0	52.2	39.0	118.3	76.5	73.2	45.8
25-Nov	78.0	70.7	69.9	52.5	39.0	119.0	74.9	75.0	47.4
2-Dec	78.0	71.2	68.6	51.3	38.0	114.1	75.0	73.2	45.3
9-Dec	76.0	69.4	66.7	48.5	36.0	110.6	74.1	67.1	40.0
16-Dec	76.0	67.9	65.3	48.7	33.0	110.6	72.0	67.9	41.8
23-Dec	75.0	69.9	62.4	45.5	29.0	107.1	72.6	62.5	37.7
31-Dec	75.0	69.0	63.0	46.4	26.0	107.1	69.9	64.6	39.8

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



■ Mean Cooling Degree Days ■ Mean Heating Degree Days

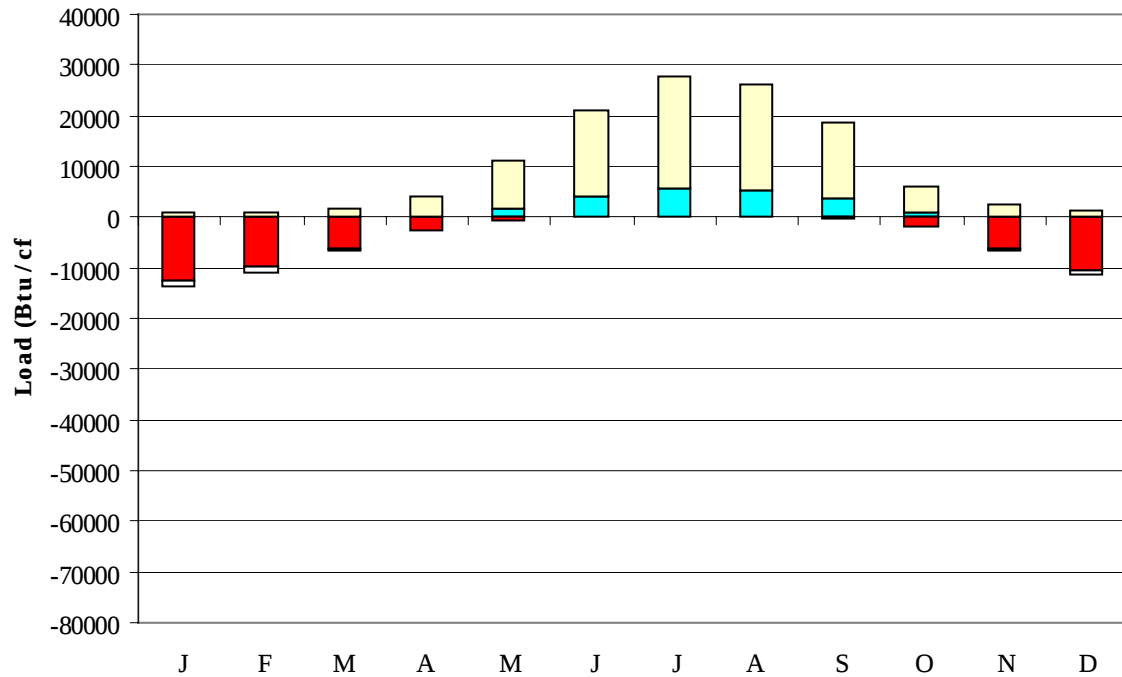
	Mean Cooling Degree Days (°F)	Mean Heating Degree Days (°F)
JAN	12	397
FEB	15	302
MAR	52	179
APR	134	61
MAY	288	9
JUN	437	0
JUL	516	0
AUG	507	0
SEP	407	2
OCT	196	46
NOV	75	179
DEC	29	323
ANN	2669	1498

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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	1	-12480	725	-1391
FEB	1	-9783	767	-995
MAR	46	-6334	1744	-395
APR	318	-2534	3576	-75
MAY	1611	-508	9553	0
JUN	4027	-27	17125	0
JUL	5470	0	22273	0
AUG	5252	-3	20987	0
SEP	3577	-139	15136	0
OCT	1034	-1945	5195	-22
NOV	158	-6140	2518	-351
DEC	19	-10375	1244	-1028
ANN	21514	-50268	100843	-4257

Average Annual Solar Radiation – Nearest Available Site

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

City: TALLAHASSEE
 State: FL
 WBAN No: 93805
 Lat(N): 30.38
 Long(W): 84.37
 Elev(ft): 69

Stn Type: Primary
 SHADING GEOMETRY IN DIMENSIONLESS UNITS

Window: 1
 Overhang: 0.892
 Vert Gap: 0.651

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	910	1170	1490	1870	1980	1940	1840	1730	1560	1370	1050	860	1480
	Std Dev	75	101	109	122	112	128	120	111	133	104	87	66	45
	Minimum	800	970	1260	1600	1710	1720	1610	1470	1090	1170	820	730	1370
	Maximum	1060	1380	1680	2130	2190	2220	2040	1960	1800	1570	1190	970	1570
	Diffuse	400	490	620	720	850	930	940	870	740	530	420	380	660
Clear Day	Global	1280	1600	1990	2330	2510	2550	2480	2310	2020	1650	1310	1170	1940
NORTH	Global	260	320	390	470	570	620	590	500	430	350	280	250	420
	Diffuse	260	320	390	450	510	540	530	480	430	350	280	250	400
Clear Day	Global	240	290	360	440	590	690	630	490	400	330	260	230	410
EAST	Global	550	680	840	1010	1050	1040	1020	990	890	810	630	520	840
	Diffuse	310	380	470	560	620	650	640	610	540	430	340	290	490
Clear Day	Global	860	1020	1200	1320	1340	1330	1300	1250	1150	1000	850	780	1120
SOUTH	Global	1160	1190	1090	910	690	600	620	760	970	1260	1270	1170	970
	Diffuse	410	460	520	540	540	540	540	560	570	520	450	400	510
Clear Day	Global	1990	1890	1570	1100	750	620	670	930	1340	1700	1880	1950	1360
WEST	Global	590	730	880	1040	1040	970	920	890	840	820	660	550	830
	Diffuse	320	390	490	580	630	640	630	600	540	440	350	300	490
Clear Day	Global	860	1020	1200	1320	1340	1330	1300	1250	1150	1000	850	780	1120

Average Annual Solar Heat and Illumination – Nearest Available Site

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

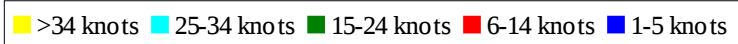
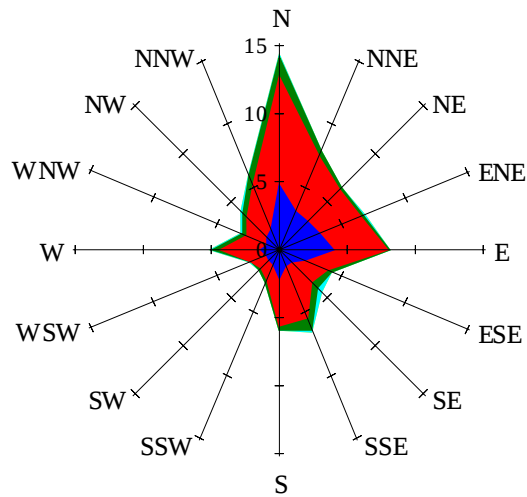
AVERAGE TRANSMITTED SOLAR RADIATION (Btu/sq.ft./day) FOR DOUBLE GLAZING, Percentage Uncertainty = 9														
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
HORIZ	Unshaded	630	820	1070	1360	1450	1410	1340	1260	1120	980	730	590	1060
NORTH	Unshaded	180	220	270	320	370	400	390	340	300	240	200	170	280
	Shaded	160	190	240	280	320	340	330	300	260	220	170	150	250
EAST	Unshaded	380	480	590	720	750	740	730	700	630	570	440	360	590
	Shaded	320	400	490	590	610	600	590	570	520	480	380	310	490
SOUTH	Unshaded	850	850	720	550	420	380	390	470	630	870	930	870	660
	Shaded	800	690	410	330	330	330	330	340	350	620	850	840	520
WEST	Unshaded	410	510	620	740	740	690	640	630	600	580	460	380	580
	Shaded	350	440	520	610	610	560	530	510	500	490	400	330	490

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	32	74	93	81	45	29	74	99	100	75
	M.Cloudy	18	45	61	54	29	21	54	77	78	53
NORTH	M.Clear	9	14	16	15	11	21	19	18	18	18
	M.Cloudy	8	16	18	17	11	14	19	20	19	17
EAST	M.Clear	70	69	24	15	11	54	76	46	18	18
	M.Cloudy	22	36	22	17	11	27	50	38	19	17
SOUTH	M.Clear	25	58	73	64	36	10	17	29	30	18
	M.Cloudy	12	31	44	39	20	9	18	27	27	17
WEST	M.Clear	9	14	16	59	77	10	17	18	40	71
	M.Cloudy	8	16	18	37	36	9	18	20	34	46
M.Clear	(% hrs)	38	40	36	38	39	42	39	32	26	28

		Sept					Dec				
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	16	62	89	88	60	14	50	64	50	16
	M.Cloudy	10	41	66	66	43	8	29	38	32	10
NORTH	M.Clear	7	15	18	18	16	5	11	13	11	6
	M.Cloudy	5	15	19	19	15	4	11	14	12	5
EAST	M.Clear	39	74	44	18	16	42	53	14	11	6
	M.Cloudy	15	40	35	19	15	11	24	14	12	5
SOUTH	M.Clear	9	41	62	61	41	31	76	91	77	35
	M.Cloudy	6	25	44	44	27	9	31	40	35	12
WEST	M.Clear	7	15	18	42	70	5	11	13	51	45
	M.Cloudy	5	15	19	33	41	4	11	14	26	14
M.Clear	(% hrs)	46	44	35	32	35	36	37	37	38	41

Wind Summary - December, January, and February

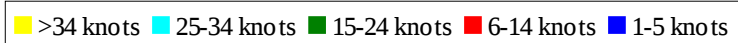
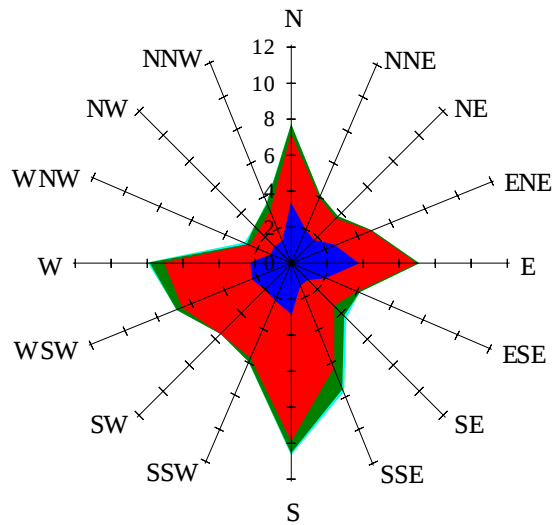
Labels of Percent Frequency on North Axis



Percent Calm = 12.21

Wind Summary - March, April, and May

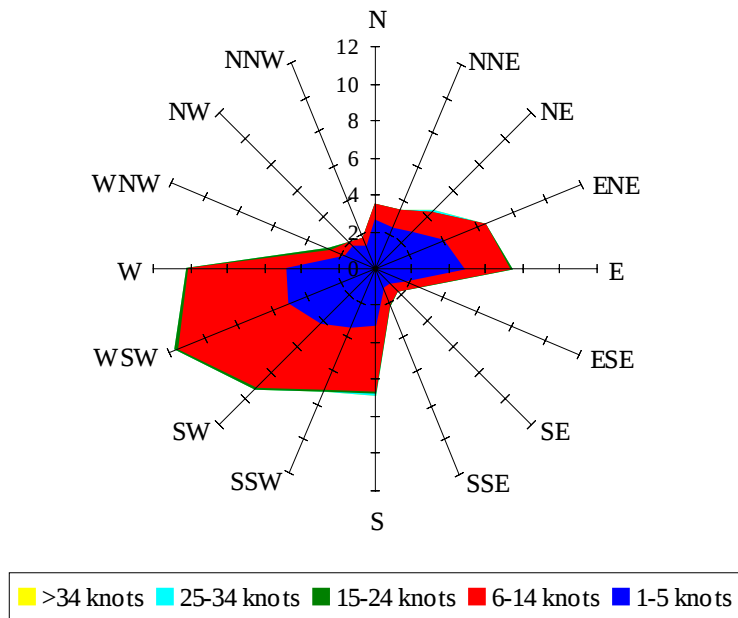
Labels of Percent Frequency on North Axis



Percent Calm = 11.99

Wind Summary - June, July, and August

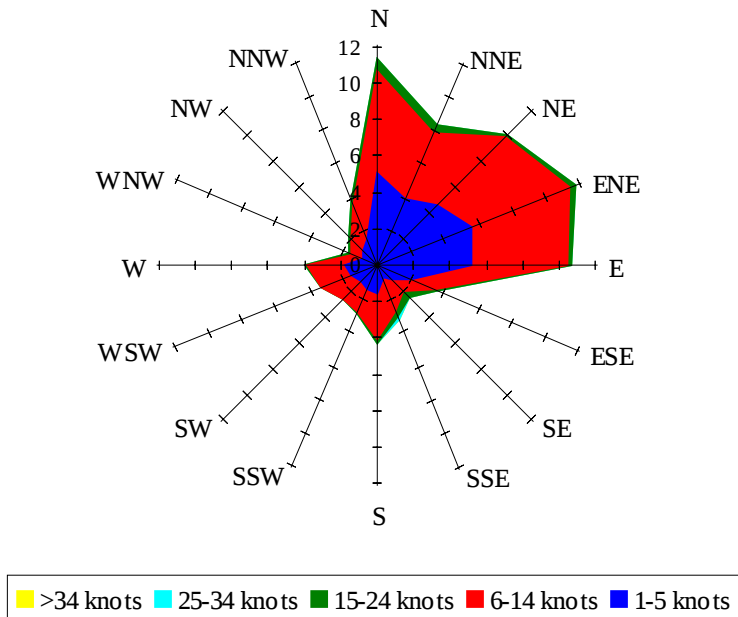
Labels of Percent Frequency on North Axis



Percent Calm = 16.98

Wind Summary - September, October, and November

Labels of Percent Frequency on North Axis



Percent Calm = 14.60