

GAINESVILLE FL

Latitude = 29.68 N

Longitude = 82.27 W

Period of Record = 1973 to 1996

WMO No. 722146

Elevation = 151 feet

Average Pressure = 29.86 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	78	115	8.3	W
0.4% Occurrence	94	77	112	8.1	W
1.0% Occurrence	92	77	113	8.2	W
2.0% Occurrence	91	76	113	8.2	W
Mean Daily Range	21	-	-	-	-
97.5% Occurrence	38	36	27	4.9	N
99.0% Occurrence	33	31	22	4.6	NW
99.6% Occurrence	29	27	18	4.7	N
Median of Extreme Lows	23	21	12	6.6	NW
	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	91	155	9.8	W
0.4% Occurrence	80	88	136	8.3	W
1.0% Occurrence	79	87	132	8.0	W
2.0% Occurrence	78	86	129	7.8	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	172	90	1.14	7.1	SE
0.4% Occurrence	141	83	0.94	7.4	W
1.0% Occurrence	137	82	0.90	7.0	W
2.0% Occurrence	136	82	0.90	6.9	W
Air Conditioning/ Humid Area Criteria	# of Hours	T ≥ 93°F	T ≥ 80°F	T _{wb} ≥ 73°F	T _{wb} ≥ 67°F
		77	1698	2137	4252

Other Site Data

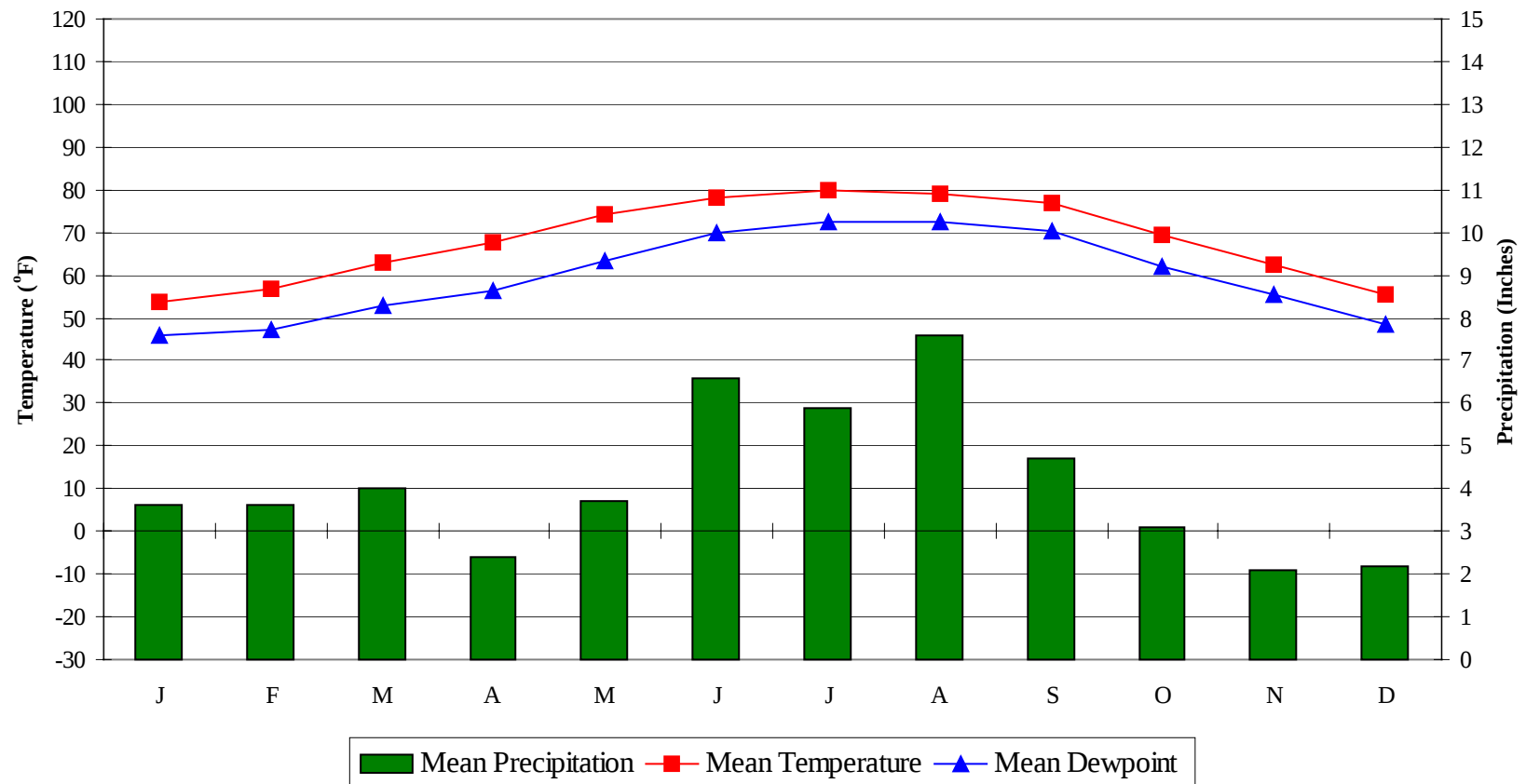
Weather Region	Rain Rate 100 Year Recurrence (in./hr)	Basic Wind Speed 3 sec gust @ 33 ft 50 Year Recurrence (mph)	Ventilation Cooling Load Index (Ton-hr/cfm/yr) Base 75°F-RH 60% Latent + Sensible
10	4.5	120	8.1 + 1.8
Ground Water Temperature (°F) 50 Foot Depth *	Frost Depth 50 Year Recurrence (in.)	Ground Snow Load 50 Year Recurrence (lb/ft ²)	Average Annual Freeze-Thaw Cycles (#)
70.6	0	0	10

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

GAINESVILLE FL

WMO No. 722146

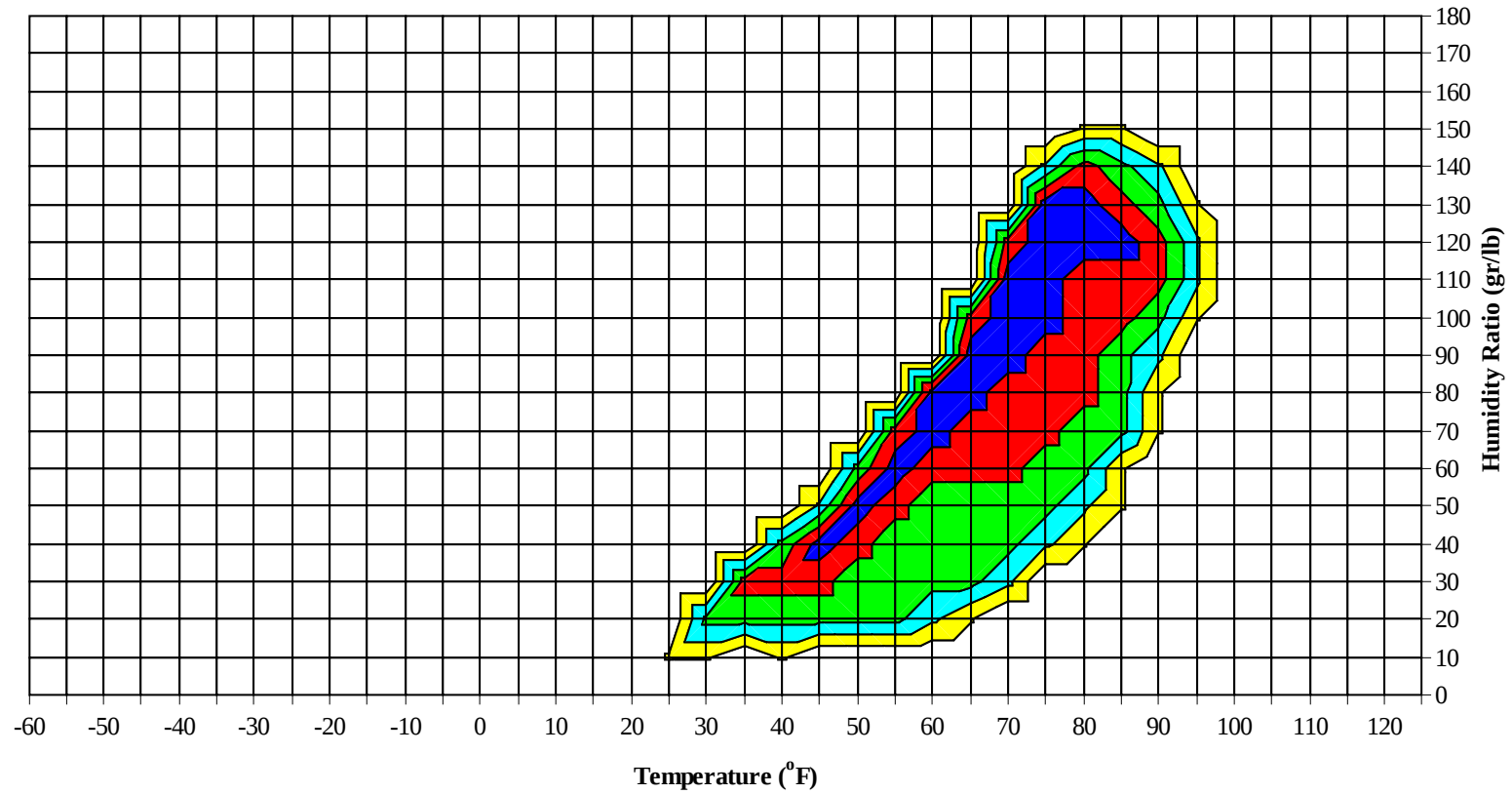
Average Annual Climate



GAINESVILLE FL

WMO No. 722146

Long Term Psychrometric Summary

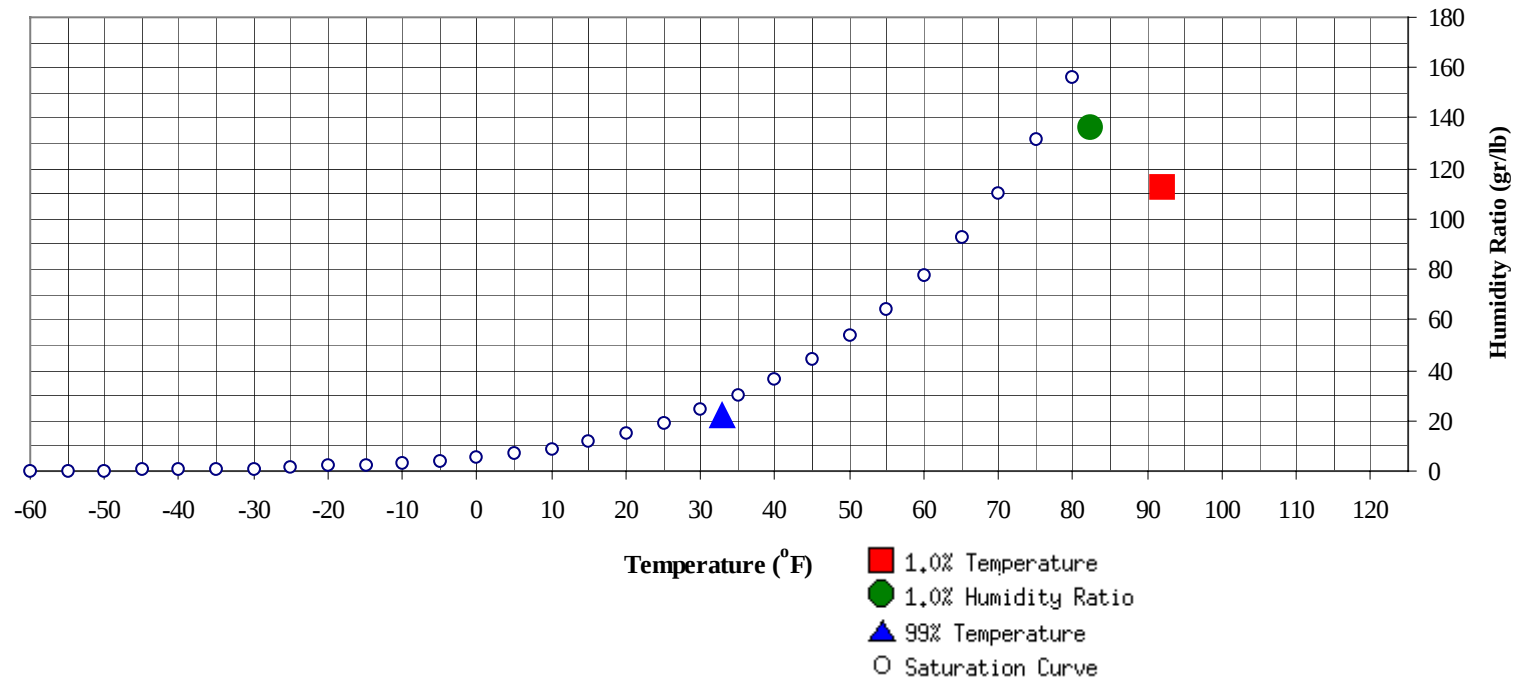


- 50% of all observations
- 80% of all observations
- 95% of all observations
- 97.5% of all observations
- 99% of all observations

GAINESVILLE FL

WMO No. 722146

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	33	22	11.3		136.5	82.4	77.7	75.9	41.2

1.0% Dry Bulb	(°F)	MCHR (gr/lb)	MCWB (°F)	Enthalpy (btu/lb)
	92	112.9	76.6	39.9

GAINESVILLE FL

WMO No. 722146

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							0		0	71.0		0		0	70.0
80 / 84		7	1	8	68.5		10	2	12	67.3		8	1	9	69.7
75 / 79	0	18	4	22	67.0	0	25	8	33	65.5		29	9	38	67.8
70 / 74	1	29	15	45	64.5	2	35	18	55	62.9	0	51	22	73	65.4
65 / 69	16	38	30	84	61.8	18	36	36	90	61.2	9	50	40	99	63.6
60 / 64	27	39	39	105	58.0	25	36	40	101	57.3	34	42	52	128	61.7
55 / 59	33	37	38	108	53.1	35	31	39	105	53.0	51	31	48	129	58.2
50 / 54	34	31	38	103	48.4	37	23	31	91	48.3	47	18	34	98	53.7
45 / 49	34	23	33	90	43.8	32	16	25	73	43.7	37	11	22	70	49.0
40 / 44	32	14	27	73	39.2	31	8	16	55	38.9	32	6	13	51	44.3
35 / 39	32	7	15	54	34.8	20	3	7	30	34.4	21	2	6	29	39.7
30 / 34	25	3	7	35	30.1	17	1	3	21	30.0	12	1	2	15	35.1
25 / 29	10	1	2	13	25.2	6	0	1	7	25.5	3	0	0	3	30.1
20 / 24	2	0	1	3	20.0	0	0		0	19.6	1	0	0	1	25.3
15 / 19	1	0	0	1	15.9						0			0	21.0
10 / 14	0	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.

GAINESVILLE FL

WMO No. 722146

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	76.9
95 / 99		0		0	78.0		1	0	1	71.6		6	1	7	76.9
90 / 94	0	2	0	2	72.6		19	3	22	72.9	0	49	9	58	75.8
85 / 89	0	23	5	28	69.5	0	70	19	90	71.5	0	84	25	110	75.0
80 / 84	0	54	18	72	67.6	1	78	35	115	70.0	7	64	46	118	74.2
75 / 79	1	58	32	91	65.7	13	52	56	121	69.0	51	25	82	158	73.1
70 / 74	14	52	51	117	64.2	65	20	75	159	68.3	127	11	69	207	70.7
65 / 69	51	31	57	139	62.5	90	6	43	139	64.8	48	0	8	56	66.4
60 / 64	60	14	41	115	58.8	48	1	13	62	60.1	6		0	6	61.2
55 / 59	48	5	23	76	54.2	23	1	3	27	55.2	1		0	1	56.5
50 / 54	36	2	10	48	49.9	7		0	7	50.8	0			0	51.0
45 / 49	20	0	3	23	45.0	1		0	1	46.9					
40 / 44	8	0	1	9	40.7										
35 / 39	2		0	2	35.5										
30 / 34															
25 / 29															
20 / 24															
15 / 19															
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.

GAINESVILLE FL

WMO No. 722146

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															
95 / 99		8	1	9	78.0		5	0	5	78.1		0	0	0	77.8
90 / 94	0	69	14	83	77.3		59	9	68	77.2		29	2	31	76.4
85 / 89	0	90	25	115	76.9	0	90	24	114	76.9	0	85	16	101	75.8
80 / 84	14	53	53	120	76.1	7	61	48	116	76.0	1	73	34	108	74.7
75 / 79	81	22	103	206	74.3	74	26	109	209	74.4	36	38	93	167	73.6
70 / 74	142	7	52	200	71.6	154	6	57	218	71.7	147	13	80	240	71.0
65 / 69	11		1	12	67.3	13	0	0	13	67.8	42	2	13	57	66.2
60 / 64	0			0	62.0	0			0	62.4	10	0	2	12	60.6
55 / 59											3	0	0	3	55.8
50 / 54											1		0	1	51.3
45 / 49															
40 / 44															
35 / 39															
30 / 34															
25 / 29															
20 / 24															
15 / 19															
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.

GAINESVILLE FL

WMO No. 722146

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		2	0	2	75.0										
85 / 89	0	28	2	30	73.6		2		2	71.8		0		0	71.5
80 / 84	0	66	13	79	71.4		32	2	34	70.7		6	1	7	70.4
75 / 79	6	67	41	114	69.8	0	52	14	66	68.4	0	28	5	33	67.6
70 / 74	52	48	77	177	68.3	14	49	42	105	66.8	4	38	17	59	65.3
65 / 69	61	24	55	140	64.3	49	41	56	146	63.8	17	41	35	93	62.4
60 / 64	53	9	33	95	59.8	44	29	42	115	58.8	30	39	44	113	58.5
55 / 59	36	3	17	56	54.8	35	18	30	83	53.8	40	34	40	114	53.9
50 / 54	23	1	7	31	50.1	29	10	26	65	49.3	34	27	34	95	48.9
45 / 49	10	0	3	13	45.4	29	5	16	50	44.7	32	18	30	80	44.3
40 / 44	5	0	1	6	41.1	20	2	9	31	40.3	33	10	23	66	39.9
35 / 39	1		0	1	37.2	14	0	3	17	35.9	28	5	13	46	35.2
30 / 34	0			0	33.5	5		1	6	31.6	19	2	5	26	30.4
25 / 29						0			0	28.0	7	1	1	9	26.1
20 / 24											1	0	1	2	20.7
15 / 19											1	0		1	15.9
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.

GAINESVILLE FL

WMO No. 722146

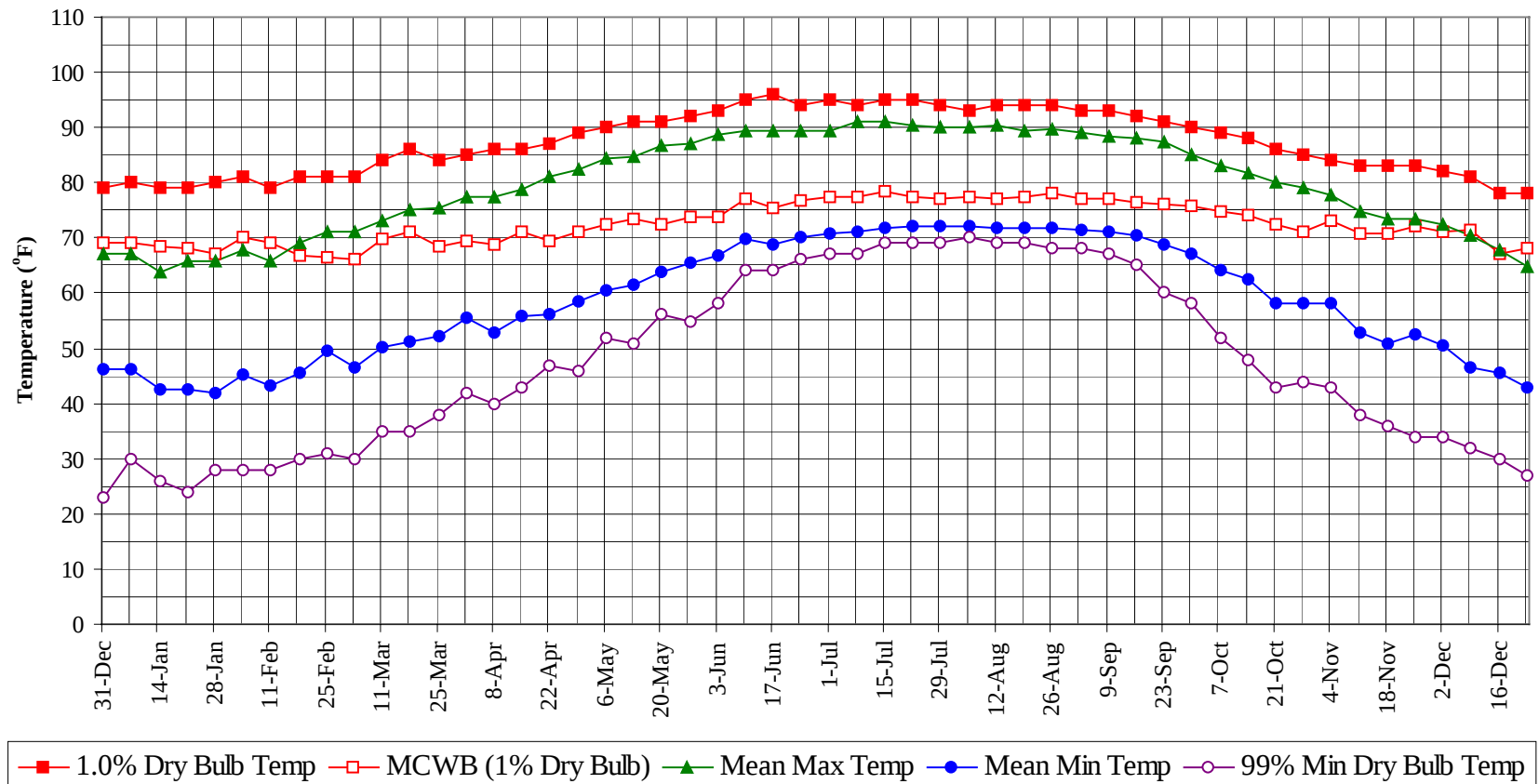
Dry-Bulb Temperature Hours For An Average Year (Sheet 5 of 5)

Period of Record = 1973 to 1996

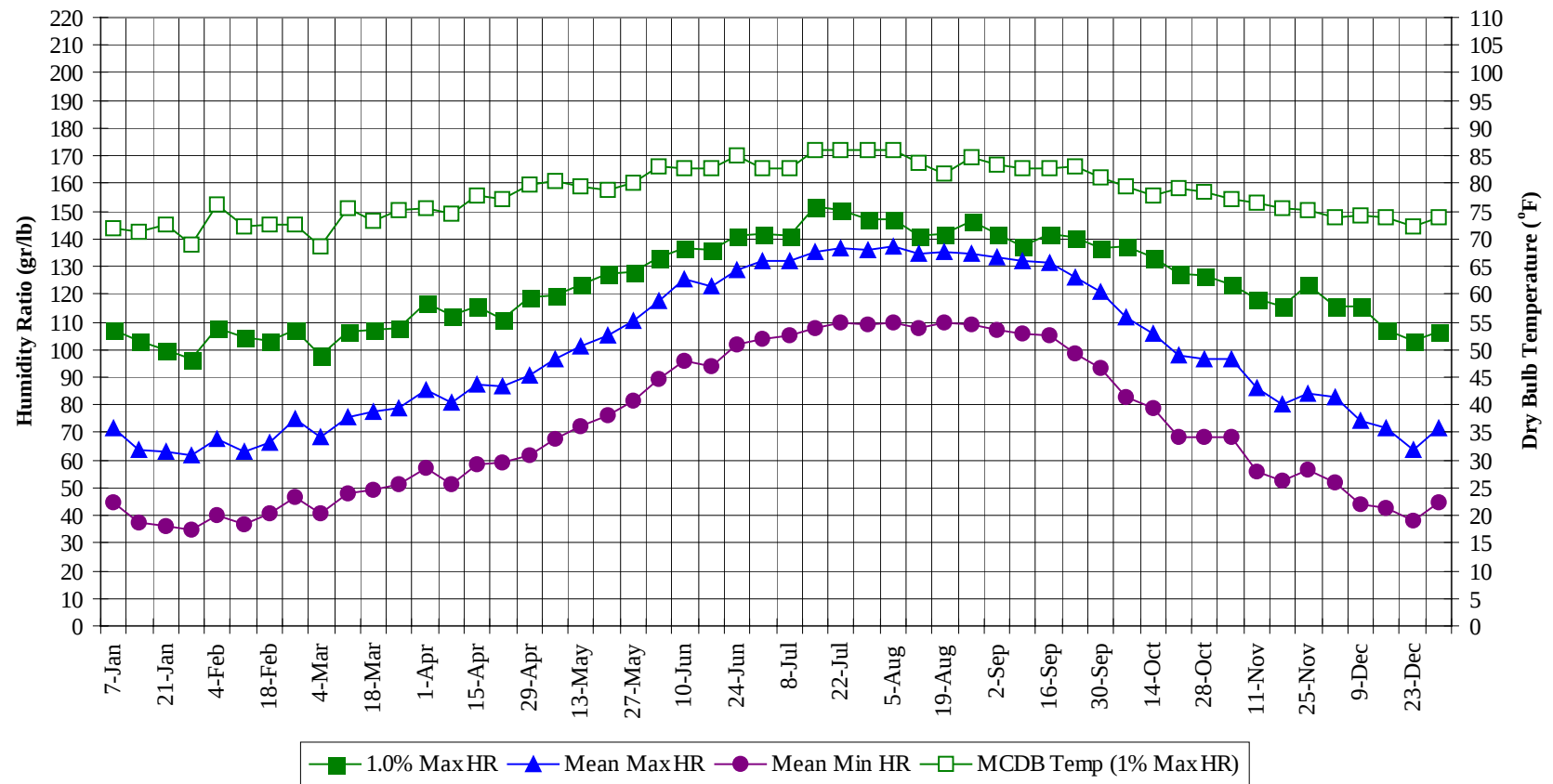
Annual Totals					
Temperature Range (°F)	Hour Group (LST)			Total Obs	M C W B (°F)
	01 To 08	09 To 16	17 To 00		
100 / 104		0	0	0	76.9
95 / 99		19	2	21	77.5
90 / 94	0	227	37	264	76.4
85 / 89	1	478	117	596	74.9
80 / 84	30	534	262	825	72.7
75 / 79	262	462	566	1290	71.2
70 / 74	731	357	591	1679	68.8
65 / 69	452	262	387	1101	63.4
60 / 64	355	196	302	853	58.7
55 / 59	301	148	224	673	53.8
50 / 54	239	104	168	511	49.0
45 / 49	190	69	123	382	44.2
40 / 44	151	36	82	269	39.6
35 / 39	109	17	40	166	35.0
30 / 34	69	6	16	91	30.2
25 / 29	25	2	4	31	25.6
20 / 24	4	1	1	6	20.3
15 / 19	2	0	0	2	15.9
10 / 14	0	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.

Annual Summary of Temperatures



Long Term Humidity and Dry Bulb Temperature Summary



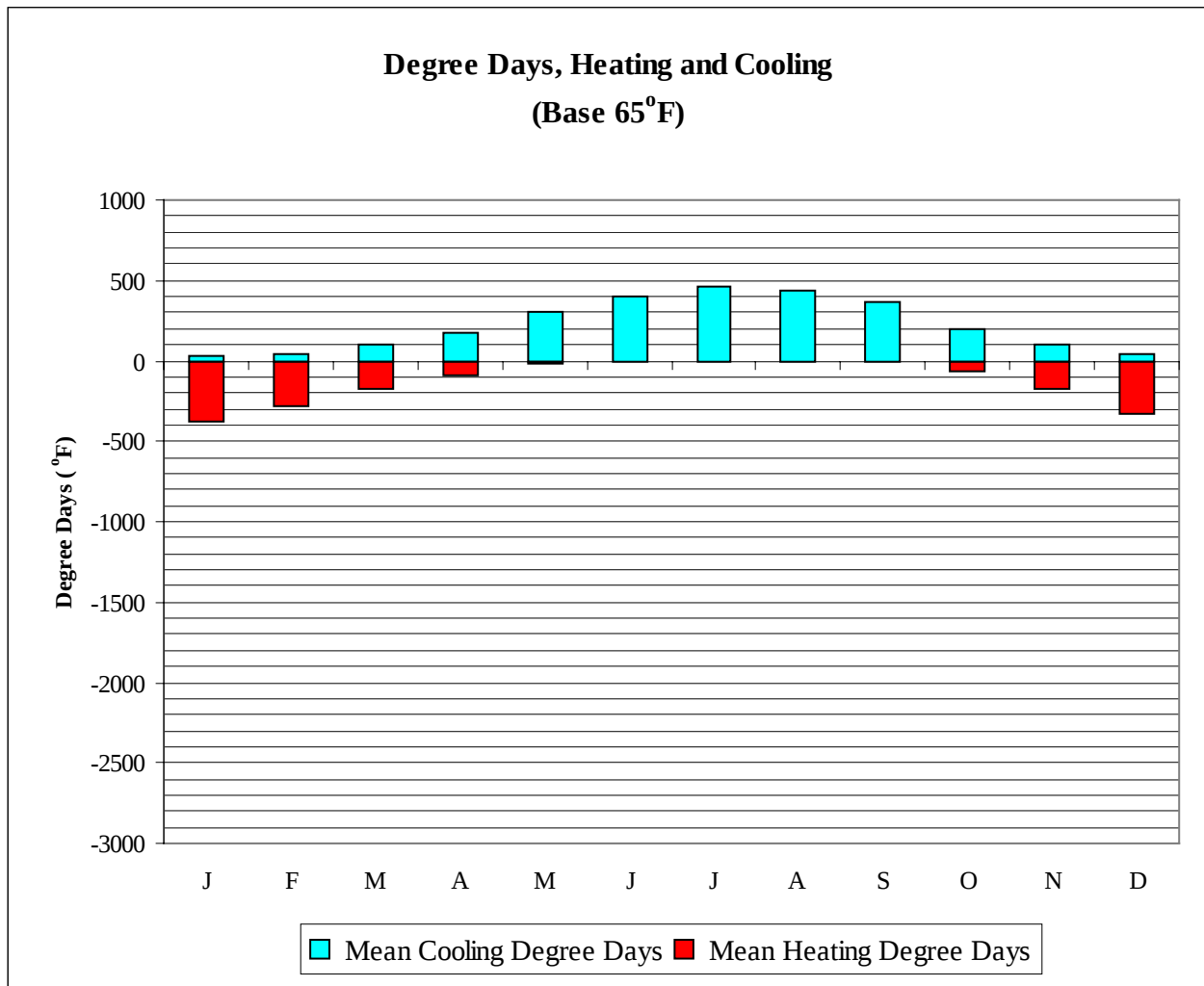
GAINESVILLE**FL****WMO No. 722146****Long Term Dry Bulb Temperature and Humidity Summary**

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	80.0	69.3	67.1	46.2	30.0	107.1	72.0	71.6	44.5
14-Jan	79.0	68.3	64.0	42.6	26.0	102.9	71.3	63.6	37.3
21-Jan	79.0	68.1	65.8	42.5	24.0	100.1	72.5	63.0	36.3
28-Jan	80.0	67.3	65.7	41.9	28.0	96.6	69.0	61.8	35.0
4-Feb	81.0	70.1	67.8	45.2	28.0	107.8	76.3	67.6	40.1
11-Feb	79.0	69.0	65.9	43.2	28.0	104.3	72.1	62.8	36.7
18-Feb	81.0	66.8	69.3	45.5	30.0	102.9	72.5	66.5	40.5
25-Feb	81.0	66.4	71.3	49.5	31.0	107.1	72.7	74.7	46.5
4-Mar	81.0	66.1	71.2	46.6	30.0	98.0	68.6	68.1	40.9
11-Mar	84.0	70.0	73.2	50.3	35.0	106.4	75.4	75.6	48.1
18-Mar	86.0	71.1	75.0	51.1	35.0	107.1	73.3	77.5	49.5
25-Mar	84.0	68.6	75.5	52.3	38.0	107.8	75.1	79.1	50.9
1-Apr	85.0	69.3	77.6	55.5	42.0	116.9	75.6	85.2	57.1
8-Apr	86.0	68.6	77.3	52.8	40.0	112.0	74.5	81.0	51.2
15-Apr	86.0	71.0	78.8	55.9	43.0	115.5	77.8	87.3	58.7
22-Apr	87.0	69.3	81.1	56.3	47.0	111.3	77.3	86.8	58.8
29-Apr	89.0	71.1	82.3	58.3	46.0	119.0	79.8	90.6	61.8
6-May	90.0	72.6	84.4	60.5	52.0	119.7	80.4	96.6	67.7
13-May	91.0	73.5	84.8	61.6	51.0	123.2	79.5	101.1	72.0
20-May	91.0	72.5	86.7	63.7	56.0	127.4	78.7	105.0	76.3
27-May	92.0	73.6	87.1	65.3	55.0	128.1	80.0	110.1	81.6
3-Jun	93.0	73.7	88.6	67.0	58.0	133.0	83.1	117.3	89.4
10-Jun	95.0	77.1	89.4	69.7	64.0	136.5	82.7	125.2	95.9
17-Jun	96.0	75.4	89.4	68.9	64.0	135.8	82.9	122.7	93.8
24-Jun	94.0	76.8	89.5	70.2	66.0	141.4	84.9	129.0	101.6
1-Jul	95.0	77.3	89.3	70.8	67.0	142.1	82.8	132.2	103.5
8-Jul	94.0	77.4	91.0	71.2	67.0	141.4	82.9	132.0	104.9
15-Jul	95.0	78.6	91.2	71.8	69.0	151.9	86.1	135.1	107.4
22-Jul	95.0	77.5	90.5	72.0	69.0	150.5	86.1	136.3	109.7
29-Jul	94.0	76.9	90.1	72.2	69.0	147.0	86.1	135.9	108.9
5-Aug	93.0	77.5	90.2	72.0	70.0	147.0	85.9	137.0	109.6
12-Aug	94.0	77.2	90.5	71.7	69.0	141.4	83.8	134.5	107.8
19-Aug	94.0	77.4	89.5	71.7	69.0	142.1	81.9	135.3	109.6
26-Aug	94.0	78.2	89.6	71.8	68.0	146.3	84.9	134.7	108.8
2-Sep	93.0	77.2	89.1	71.4	68.0	142.1	83.4	133.2	107.0
9-Sep	93.0	77.0	88.4	71.0	67.0	137.2	82.8	132.1	106.0
16-Sep	92.0	76.4	88.2	70.5	65.0	142.1	82.6	131.3	104.8
23-Sep	91.0	76.2	87.3	68.9	60.0	140.7	83.1	126.2	98.7
30-Sep	90.0	75.7	85.1	67.2	58.0	136.5	81.0	121.2	93.1
7-Oct	89.0	74.7	83.1	64.0	52.0	137.2	79.6	111.4	82.6
14-Oct	88.0	74.2	81.6	62.4	48.0	133.0	77.9	105.8	78.7
21-Oct	86.0	72.6	79.9	58.3	43.0	127.4	79.3	98.0	68.1
28-Oct	85.0	71.2	79.1	58.3	44.0	126.7	78.4	96.6	68.4
4-Nov	84.0	73.1	77.8	58.0	43.0	123.2	77.2	96.5	68.5
11-Nov	83.0	70.8	74.8	53.0	38.0	118.3	76.6	86.2	56.1
18-Nov	83.0	70.8	73.6	50.7	36.0	115.5	75.4	80.3	52.5
25-Nov	83.0	72.1	73.6	52.6	34.0	123.2	75.3	83.9	56.3
2-Dec	82.0	71.2	72.4	50.5	34.0	115.5	74.0	82.9	51.9
9-Dec	81.0	71.3	70.3	46.5	32.0	115.5	74.3	73.9	43.7
16-Dec	78.0	67.0	67.8	45.5	30.0	107.1	73.8	71.3	43.0
23-Dec	78.0	68.3	64.7	42.8	27.0	102.9	72.2	63.7	38.3
31-Dec	79.0	69.2	67.1	46.2	23.0	106.4	74.0	71.8	45.0

GAINESVILLE

FL

WMO No. 722146

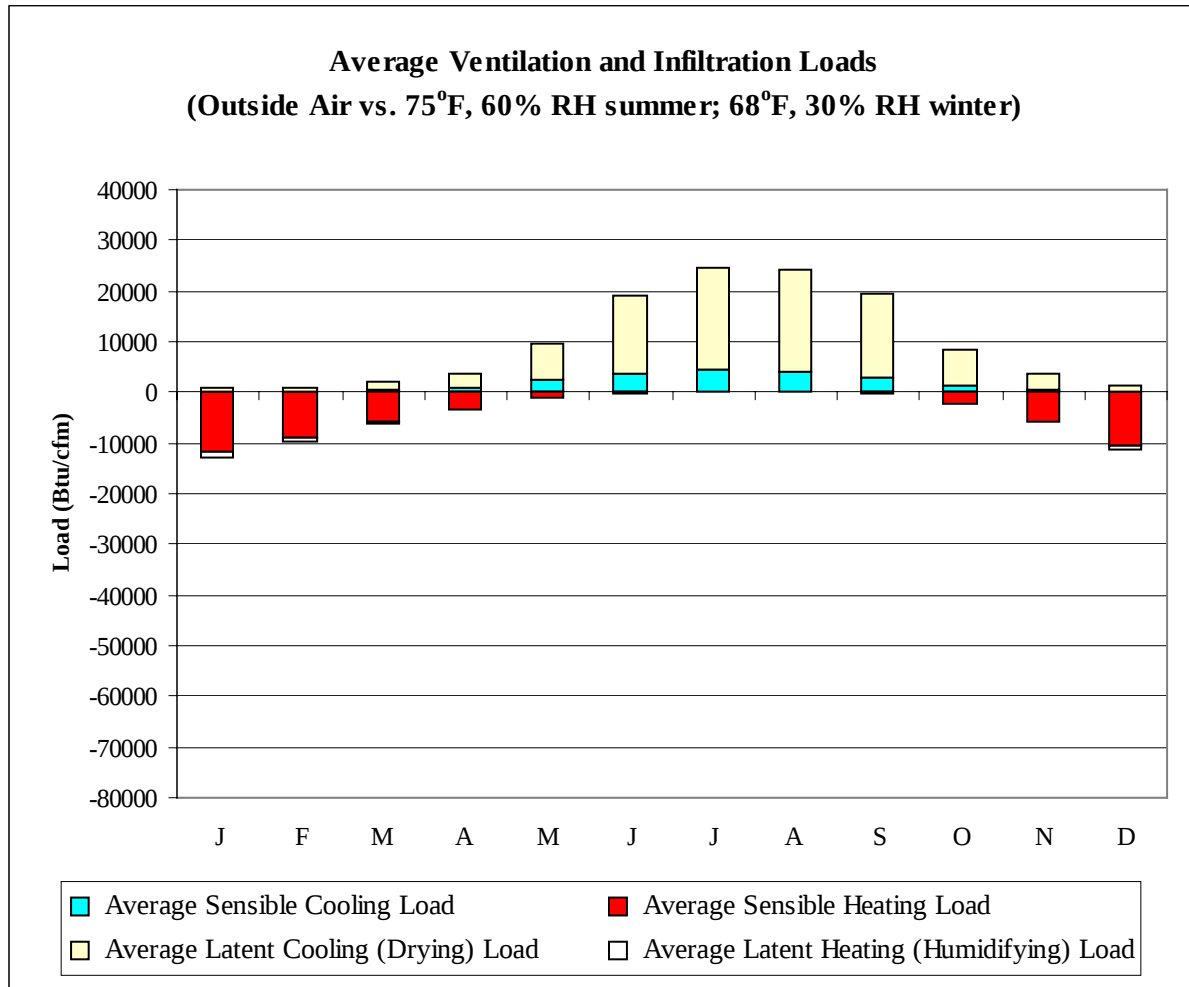


	Mean Cooling Degree Days (°F)	Mean Heating Degree Days (°F)
JAN	34	379
FEB	46	281
MAR	106	174
APR	168	90
MAY	305	20
JUN	402	1
JUL	458	0
AUG	441	0
SEP	363	3
OCT	203	60
NOV	99	169
DEC	43	331
ANN	2666	1508

GAINESVILLE

FL

WMO No. 722146



	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	86	-11855	870	-1048
FEB	138	-8999	866	-801
MAR	502	-5981	1748	-274
APR	1074	-3370	2589	-42
MAY	2590	-971	7170	0
JUN	3773	-85	15329	0
JUL	4427	-7	20259	0
AUG	4045	-4	20077	0
SEP	2933	-168	16346	0
OCT	1169	-2358	7185	-7
NOV	380	-5752	3386	-168
DEC	97	-10512	1265	-684
ANN	21214	-50062	97090	-3024

Average Annual Solar Radiation – Nearest Available Site

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

City: JACKSONVILLE
 State: FL
 WBAN No: 13889
 Lat(N): 30.5
 Long(W): 81.7
 Elev(ft): 30

Stn Type: Secondary
 SHADING GEOMETRY IN DIMENSIONLESS UNITS
 Window: 1
 Overhang: 0.897
 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	920	1160	1500	1860	1940	1900	1850	1710	1470	1250	1010	850	1450
	Std Dev	68	90	99	115	131	123	99	97	129	97	83	73	37
	Minimum	820	1020	1280	1630	1570	1670	1550	1480	1140	1060	790	690	1380
	Maximum	1100	1350	1640	2180	2250	2170	2030	1870	1710	1420	1190	1000	1530
	Diffuse	380	460	580	670	790	870	870	810	710	550	410	360	620
Clear Day	Global	1280	1600	1990	2340	2510	2550	2490	2320	2020	1650	1310	1160	1930
NORTH	Global	250	310	380	450	560	610	580	490	410	340	270	240	410
	Diffuse	250	310	380	440	490	520	510	470	410	340	270	240	390
Clear Day	Global	240	290	360	440	590	690	630	490	390	320	260	230	410
EAST	Global	570	700	870	1040	1050	1030	1030	980	860	760	620	530	840
	Diffuse	310	370	460	550	600	620	620	590	520	430	340	290	470
Clear Day	Global	850	1020	1190	1320	1350	1340	1300	1250	1150	1010	850	780	1120
SOUTH	Global	1200	1190	1110	910	670	580	610	740	920	1130	1230	1170	950
	Diffuse	410	450	510	530	520	520	520	540	540	510	440	390	490
Clear Day	Global	1990	1890	1570	1090	750	620	680	930	1340	1710	1890	1940	1360
WEST	Global	580	710	870	1030	1030	950	910	870	810	740	630	540	810
	Diffuse	310	370	470	550	600	610	600	570	510	430	340	290	470
Clear Day	Global	850	1020	1190	1320	1350	1340	1300	1250	1150	1010	850	780	1120

Average Annual Solar Heat and Illumination – Nearest Available Site

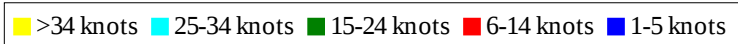
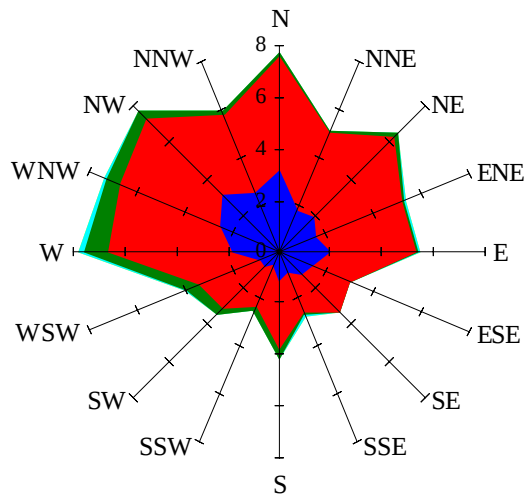
(Source: National Renewable Energy Laboratory, Golden CO, 1995)

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	1080	1360	1420	1380	1350	1240	1060	890	700	570	1040
NORTH	Unshaded	180	210	260	310	360	390	370	330	280	240	190	170	270
	Shaded	150	190	230	280	310	330	320	290	250	210	170	140	240
EAST	Unshaded	400	490	610	740	750	730	730	700	610	540	430	370	590
	Shaded	340	420	520	610	610	600	600	580	500	450	370	320	490
SOUTH	Unshaded	890	850	730	550	400	370	380	450	590	780	900	870	650
	Shaded	840	690	410	320	320	320	320	320	330	560	820	840	510
WEST	Unshaded	410	500	620	740	730	670	640	610	570	520	440	370	570
	Shaded	350	430	520	610	600	540	520	500	470	440	370	320	470

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	36	77	92	79	40	34	77	100	99	74
	M.Cloudy	21	49	60	52	26	24	55	76	74	48
NORTH	M.Clear	9	15	16	15	10	23	18	18	18	18
	M.Cloudy	9	16	18	16	10	15	18	19	19	17
EAST	M.Clear	75	67	19	15	10	62	76	42	18	17
	M.Cloudy	27	38	19	16	10	32	50	34	19	16
SOUTH	M.Clear	30	61	73	62	33	11	17	30	29	17
	M.Cloudy	14	35	44	38	18	10	17	27	26	16
WEST	M.Clear	9	15	16	62	76	11	17	18	44	75
	M.Cloudy	9	16	18	38	35	10	17	19	35	43
M.Clear	(% hrs)	41	42	39	39	38	43	35	29	25	30
		Sept					Dec				
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	20	65	90	86	58	18	52	63	48	13
	M.Cloudy	14	45	64	61	38	10	31	38	29	8
NORTH	M.Clear	8	16	18	18	15	6	11	13	11	5
	M.Cloudy	6	15	19	18	14	5	12	14	11	4
EAST	M.Clear	47	73	40	18	15	48	51	13	11	5
	M.Cloudy	20	43	31	18	14	14	24	14	11	4
SOUTH	M.Clear	12	43	62	59	38	37	80	91	75	29
	M.Cloudy	7	29	44	41	24	12	33	41	32	10
WEST	M.Clear	8	16	18	46	72	6	11	16	53	39
	M.Cloudy	6	15	19	33	38	5	12	15	25	12
M.Clear	(% hrs)	42	29	24	24	29	37	37	36	37	40

Wind Summary - December, January, and February

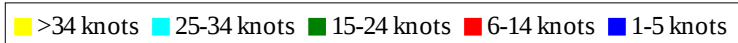
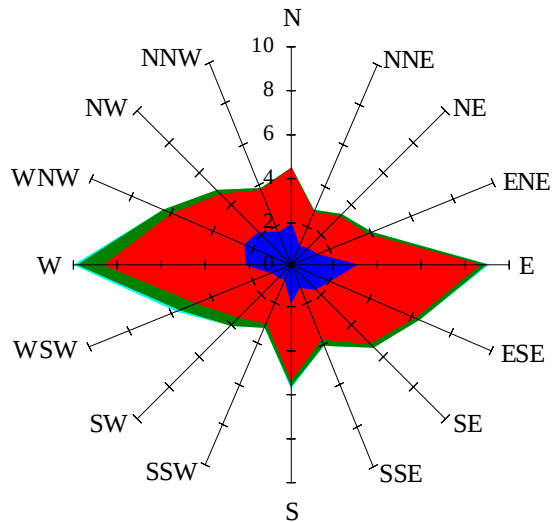
Labels of Percent Frequency on North Axis



Percent Calm = 18.50

Wind Summary - March, April, and May

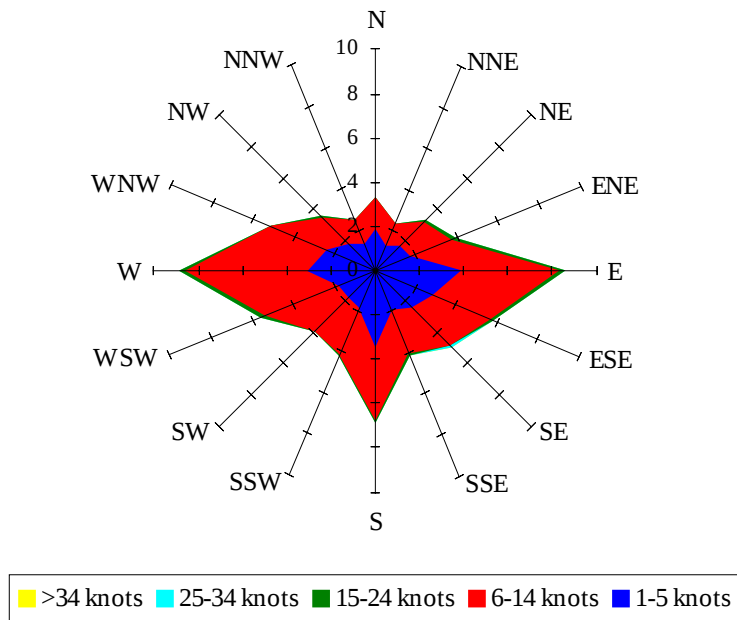
Labels of Percent Frequency on North Axis



Percent Calm = 17.83

Wind Summary - June, July, and August

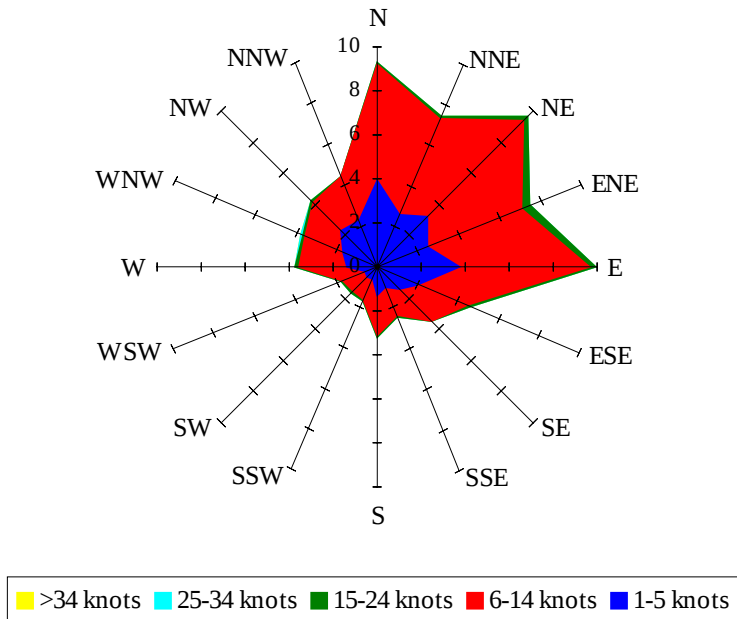
Labels of Percent Frequency on North Axis



Percent Calm = 24.38

Wind Summary - September, October, and November

Labels of Percent Frequency on North Axis



Percent Calm = 21.58