

CECIL FIELD NAS FL

Latitude = 30.22 N

Longitude = 81.88 W

Period of Record = 1973 to 1996

WMO No. 722067

Elevation = 82 feet

Average Pressure = 29.94 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	100	79	114	7.3	W
0.4% Occurrence	96	77	106	6.4	W
1.0% Occurrence	94	76	107	6.6	W
2.0% Occurrence	92	76	108	6.9	W
Mean Daily Range	21	-	-	-	-
97.5% Occurrence	37	34	23	3.8	N
99.0% Occurrence	33	30	20	3.6	N
99.6% Occurrence	29	26	16	4.3	N
Median of Extreme Lows	24	22	12	4.7	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	82	92	146	7.1	W
0.4% Occurrence	80	90	134	6.4	W
1.0% Occurrence	79	89	129	6.5	W
2.0% Occurrence	78	88	125	6.5	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	159	82	1.06	4.3	SW
0.4% Occurrence	141	84	0.94	5.1	WSW
1.0% Occurrence	135	83	0.90	5.3	W
2.0% Occurrence	131	82	0.88	4.9	W
Air Conditioning/ Humid Area Criteria	# of Hours	T ≥ 93°F	T ≥ 80°F	T _{wb} ≥ 73°F	T _{wb} ≥ 67°F
		168	1856	1902	3934

Other Site Data

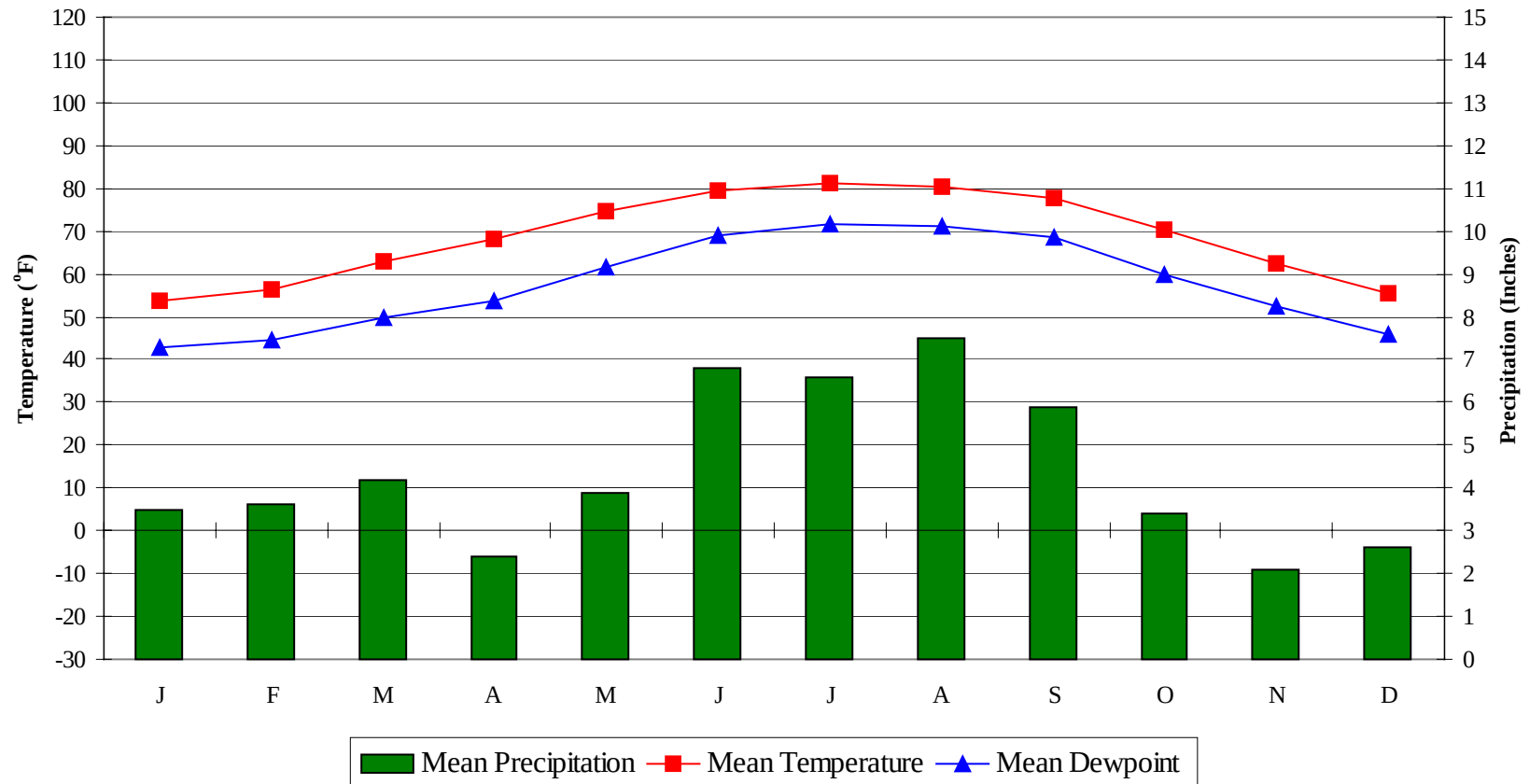
Weather Region	Rain Rate 100 Year Recurrence (in./hr)	Basic Wind Speed 3 sec gust @ 33 ft 50 Year Recurrence (mph)	Ventilation Cooling Load Index (Ton-hr/cfm/yr) Base 75°F-RH 60% Latent + Sensible
10	4.5	120	6.7 + 2.0
Ground Water Temperature (°F) 50 Foot Depth *	Frost Depth 50 Year Recurrence (in.)	Ground Snow Load 50 Year Recurrence (lb/ft ²)	Average Annual Freeze-Thaw Cycles (#)
71.1	0	0	11

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

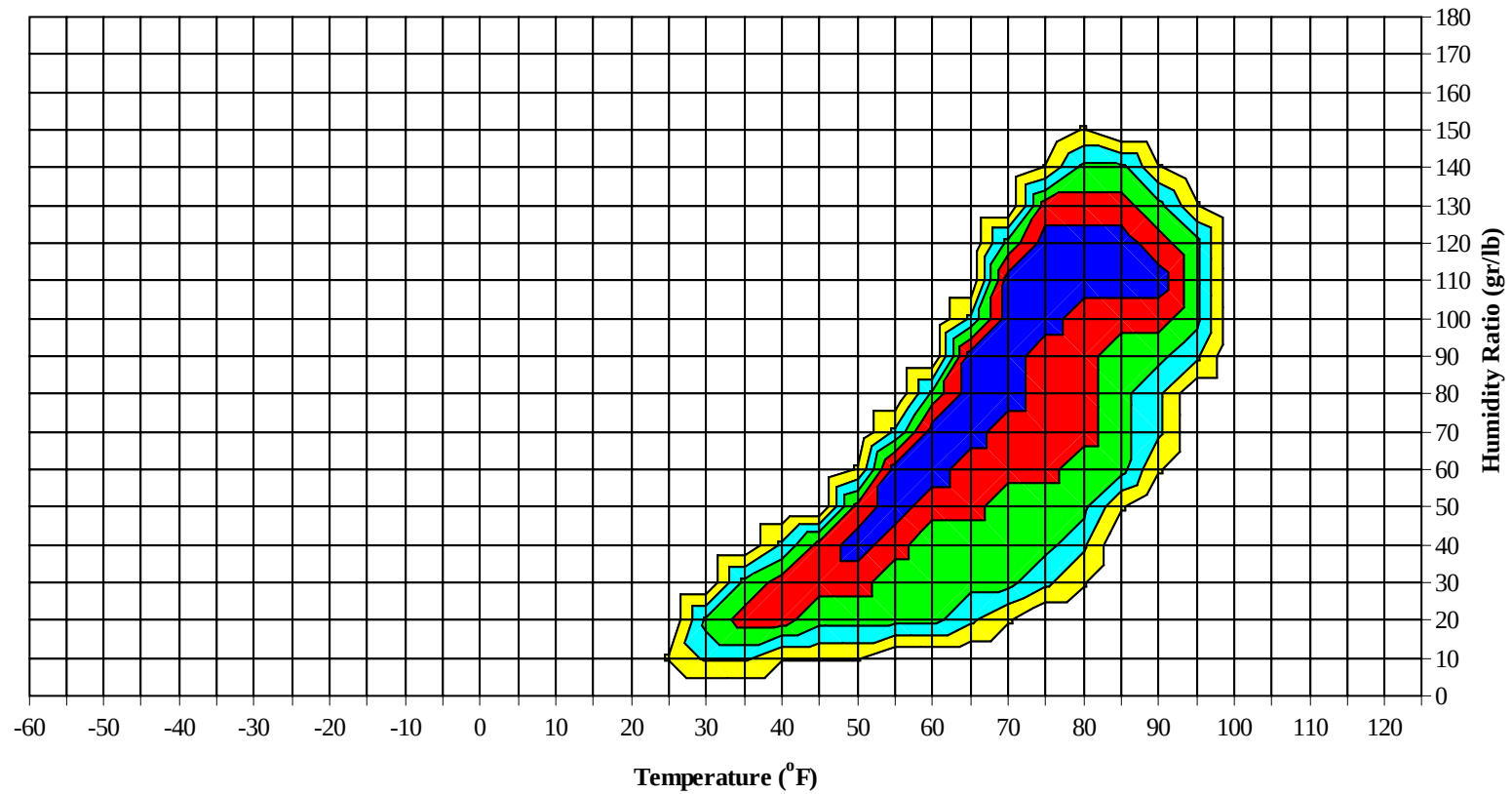
CECIL FIELD NAS FL

WMO No. 722067

Average Annual Climate



Long Term Psychrometric Summary

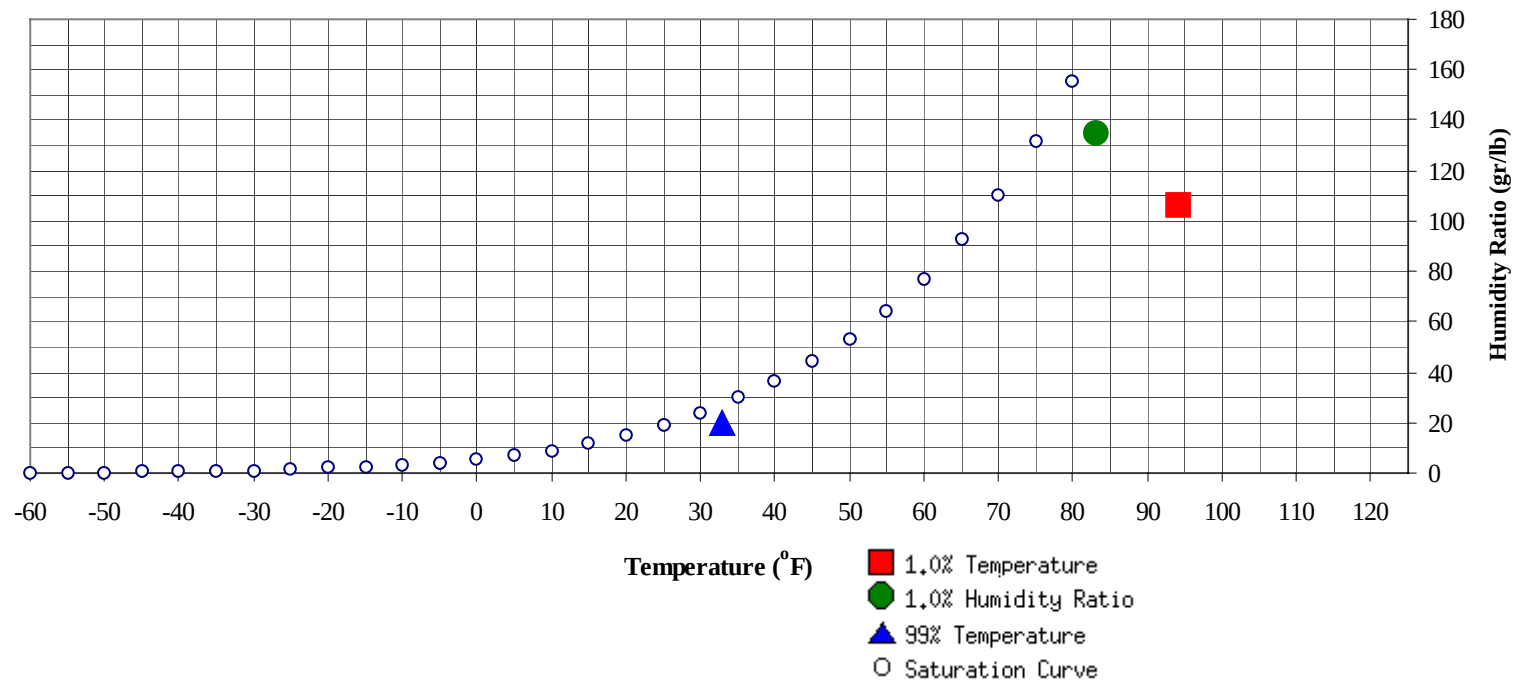


- 50% of all observations
- 80% of all observations
- 95% of all observations
- 97.5% of all observations
- 99% of all observations

CECIL FIELD NAS FL

WMO No. 722067

Psychrometric Summary of Peak Design Values



	(°F)	MCHR	Enthalpy	1.0% Humidity Ratio	(gr/lb)	MCDB	MCWB	MC Dewpt	Enthalpy
		(gr/lb)	(btu/lb)			(°F)	(°F)	(°F)	(btu/lb)
99% Dry Bulb	33	20	11.0		135.1	83.1	77.9	75.9	41.1

1.0% Dry Bulb	(°F)	MCHR	MCWB	Enthalpy
		(gr/lb)	(°F)	(btu/lb)
	94	106.6	76.1	39.4

CECIL FIELD NAS FL

WMO No. 722067

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		
105 / 109															
100 / 104															
95 / 99															
90 / 94															
85 / 89		0		0	68.5		1	0	1	68.7		1	0	1	69.9
80 / 84		7	1	8	67.4		13	3	16	66.5		10	2	12	68.5
75 / 79			4	19	65.6							31	8	39	66.4
70 / 74	2	30	13	45	62.8	0	24	7	31	64.1	0	47	20	67	63.9
65 / 69	14	37	29	80	60.3	2	32	17	51	61.7	8	47	36	91	62.3
60 / 64	24	38	37	99	56.4	15	34	34	83	60.1	35	44	52	131	60.4
55 / 59	36	36	38	110	52.2	28	34	38	100	56.3	50	31	51	132	56.8
50 / 54	35	34	40	109	47.2	36	31	39	106	51.8	46	19	35	100	52.3
45 / 49	33	24	33	90	42.8	35	24	31	90	47.1	38	10	23	71	47.5
40 / 44	32	15	28	75	38.1	34	16	25	75	42.7	32	6	12	50	43.1
35 / 39	34	7	17	58	33.8	31	9	17	57	37.9	21	2	6	29	38.7
30 / 34	26	3	7	36	29.2	20	3	9	32	33.5	12	1	2	15	34.3
25 / 29	10	1	1	12	24.6	19	2	3	24	29.1	3	0	1	4	29.6
20 / 24	2	0	0	2	19.2	4	0	1	5	25.1	1	0	0	1	25.7
15 / 19	1	0		1	14.8	1	0	0	1	21.0	0			0	22.0
10 / 14	0	0		0	10.6	0			0	16.7					
5 / 9	0			0	7.0										

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.

CECIL FIELD NAS FL

WMO No. 722067

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		
105 / 109															
100 / 104												2	0	2	78.1
95 / 99		0		0	70.0		2	0	2	72.9		14	3	17	76.1
90 / 94		6	1	7	68.9		24	6	30	71.8	0	61	12	73	75.3
85 / 89		29	8	37	68.0		72	16	88	70.8	1	80	24	105	74.5
80 / 84	0	53	17	70	66.1	2	79	36	116	69.2	14	52	51	117	73.5
75 / 79	2	57	32	91	64.3	16	45	58	119	68.2	66	23	86	175	72.4
70 / 74	19	48	53	120	62.8	70	19	78	167	67.2	121	7	56	184	69.8
65 / 69	52	29	58	139	61.1	87	6	40	133	63.6	33	1	7	41	65.3
60 / 64	60	12	38	110	57.0	44	1	12	57	58.5	4		1	5	60.4
55 / 59	49	5	20	74	52.5	21	0	3	24	53.8	1		0	1	55.5
50 / 54	32	2	9	43	48.1	7		0	7	49.6	0			0	49.2
45 / 49	17	1	3	21	43.8	1		0	1	46.5					
40 / 44	6		1	7	39.6										
35 / 39	2		0	2	36.1										
30 / 34	0			0	32.6										
25 / 29															
20 / 24															
15 / 19															
10 / 14															
5 / 9															

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CECIL FIELD NAS FL

WMO No. 722067

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		
105 / 109		0		0	86.0										
100 / 104		1	0	1	80.7		0	0	0	77.7					
95 / 99		24	5	29	77.5		14	2	16	77.1		2	0	2	76.1
90 / 94	0	85	16	101	76.8		74	10	84	76.7		43	4	47	75.4
85 / 89	2	81	29	112	76.3	1	85	26	112	76.2	0	81	17	98	74.7
80 / 84	24	37	61	122	75.3	14	52	60	125	75.2	4	64	44	112	73.8
75 / 79	107	15	100	222	73.4	104	19	108	231	73.3	58	35	98	191	72.2
70 / 74	108	5	35	148	70.9	120	4	41	165	70.8	132	12	63	207	69.6
65 / 69	8		1	9	66.3	9	0	2	11	66.6	33	3	11	47	64.1
60 / 64	0			0	61.5	0			0	63.4	9	0	3	12	59.3
55 / 59											4		1	5	54.3
50 / 54											0			0	51.1
45 / 49															
40 / 44															
35 / 39															
30 / 34															
25 / 29															
20 / 24															
15 / 19															
10 / 14															
5 / 9															

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CECIL FIELD NAS FL

WMO No. 722067

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		
105 / 109															
100 / 104															
95 / 99		1	0	1	75.4										
90 / 94		5	1	6	74.3		0		0	70.7					
85 / 89		28	3	31	72.2		3	0	3	71.6		0		0	71.6
80 / 84	1	64	15	80	70.4		33	2	35	69.5		9	1	10	69.4
75 / 79	12	63	41	116	68.7	1	50	15	66	67.2	0	26	5	31	66.3
70 / 74	54	47	78	179	66.9	20	47	42	109	65.5	5	33	18	56	64.1
65 / 69	63	25	55	144	62.5	46	38	54	138	62.2	16	38	29	83	61.0
60 / 64	53	10	31	94	57.9	43	31	40	114	57.1	32	42	43	117	57.3
55 / 59	32	3	14	49	52.8	34	19	33	86	52.2	38	35	43	116	52.5
50 / 54	20	1	7	28	48.3	30	11	25	66	47.4	37	28	36	101	47.8
45 / 49	9	0	3	12	44.2	28	5	16	49	43.0	32	19	31	82	42.8
40 / 44	4		0	4	40.2	19	2	10	31	39.0	32	9	22	63	38.4
35 / 39	1			1	36.7	15	0	4	19	34.5	29	5	12	46	34.1
30 / 34						5	0	1	6	31.0	17	2	7	26	29.7
25 / 29						0	0	0	0	27.3	7	1	1	9	25.2
20 / 24											1	1	1	3	20.4
15 / 19											1	0	0	1	15.7
10 / 14											0		0	0	
5 / 9													0	0	

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CECIL FIELD NAS FL

WMO No. 722067

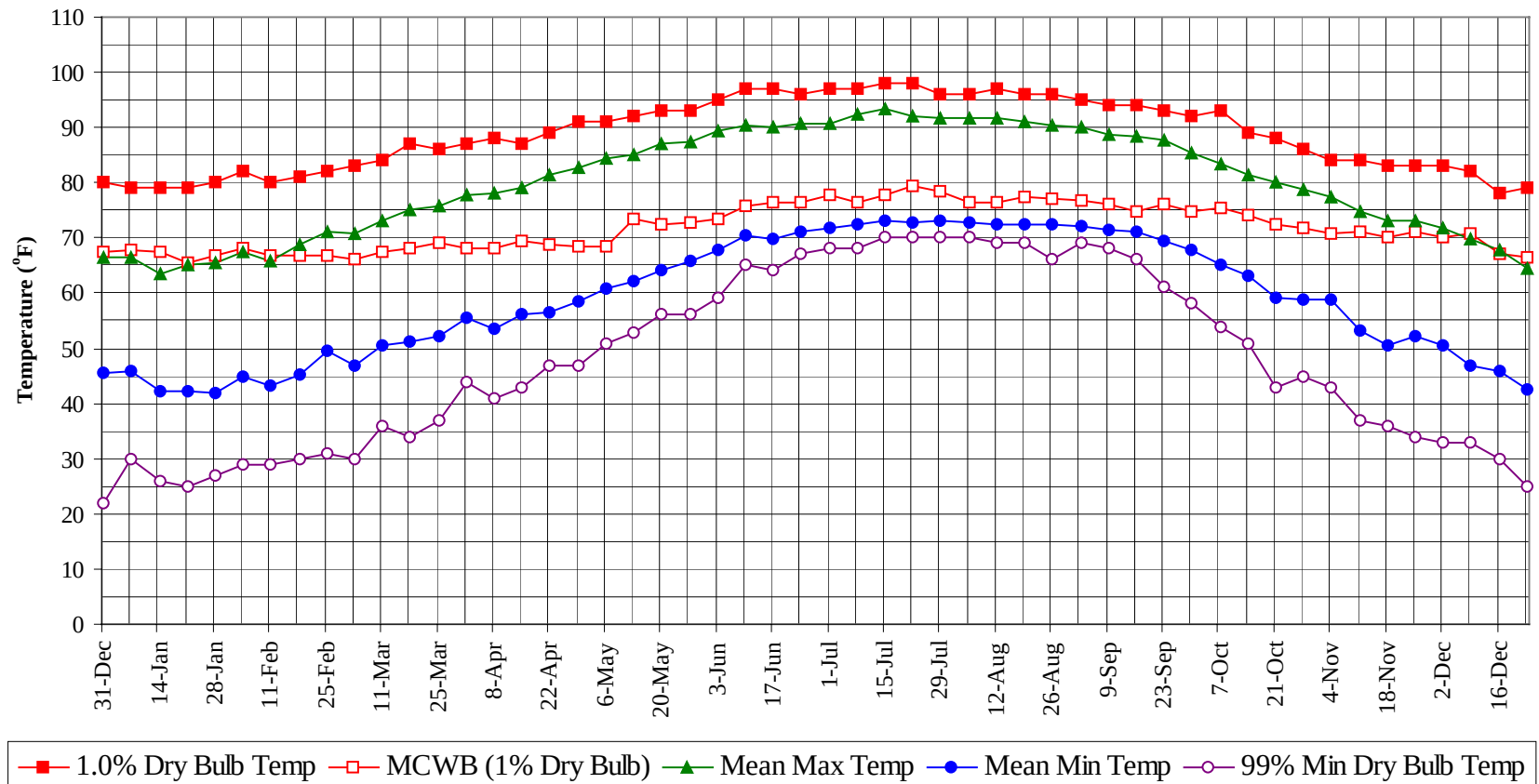
Dry-Bulb Temperature Hours For An Average Year (Sheet 5 of 5)

Period of Record = 1973 to 1996

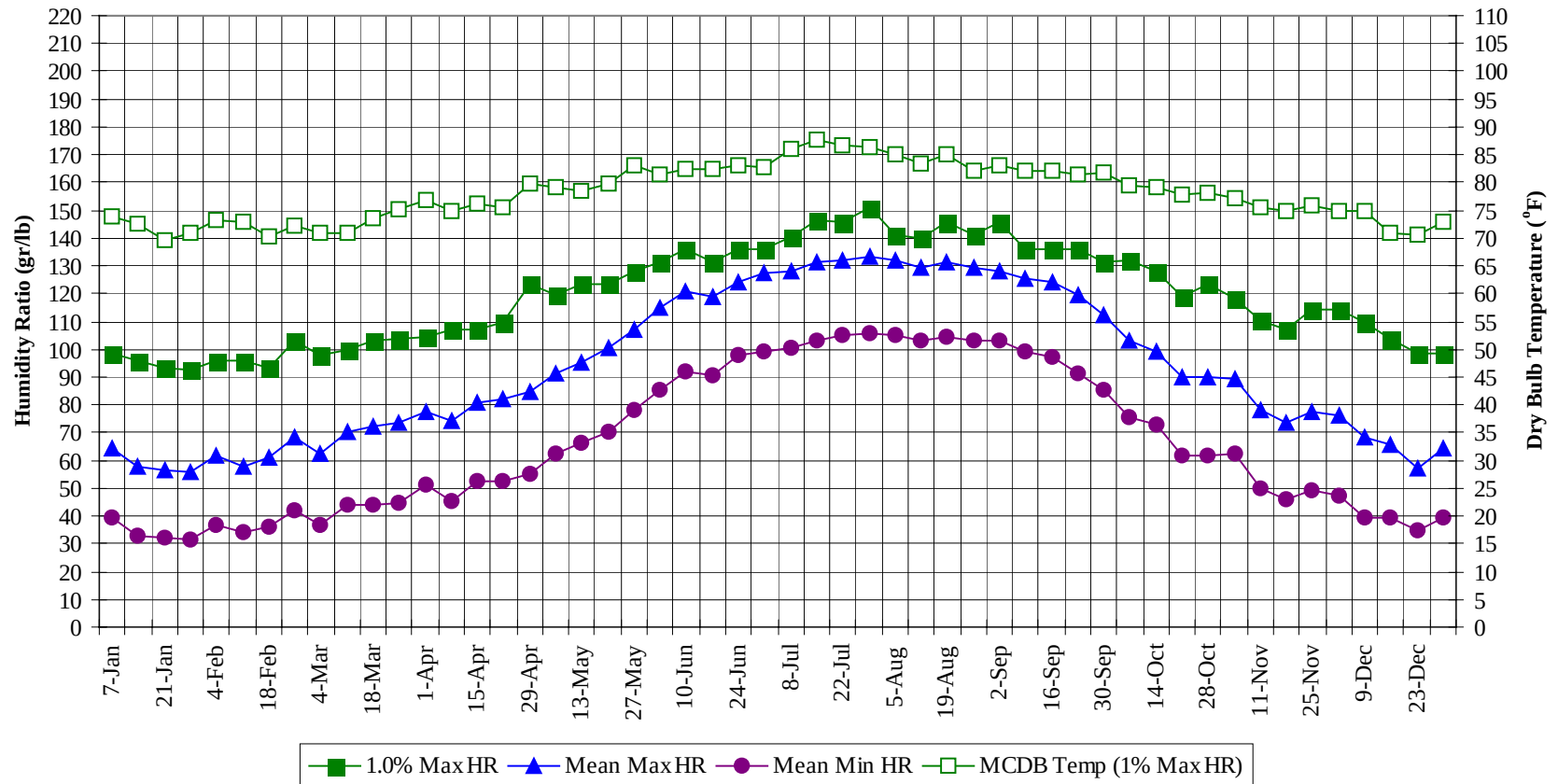
Annual Totals					
Temperature Range (°F)	Hour Group (LST)			Total Obs	M C W B (°F)
	01 To 08	09 To 16	17 To 00		
105 / 109		0		0	86.0
100 / 104		4	0	4	79.0
95 / 99		58	10	68	76.8
90 / 94	0	298	49	346	75.6
85 / 89	3	469	125	597	74.0
80 / 84	58	494	299	851	71.8
75 / 79	366	420	575	1360	70.4
70 / 74	663	332	531	1525	67.3
65 / 69	414	253	371	1038	61.9
60 / 64	348	198	293	839	57.1
55 / 59	296	149	226	671	52.4
50 / 54	234	110	171	515	47.6
45 / 49	185	71	123	379	43.0
40 / 44	146	37	84	267	38.4
35 / 39	110	17	43	170	34.0
30 / 34	71	7	18	96	29.5
25 / 29	22	2	3	27	24.9
20 / 24	4	1	1	6	19.9
15 / 19	2	0	0	2	15.3
10 / 14	0	0	0	0	10.6
5 / 9	0		0	0	7.0

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Annual Summary of Temperatures

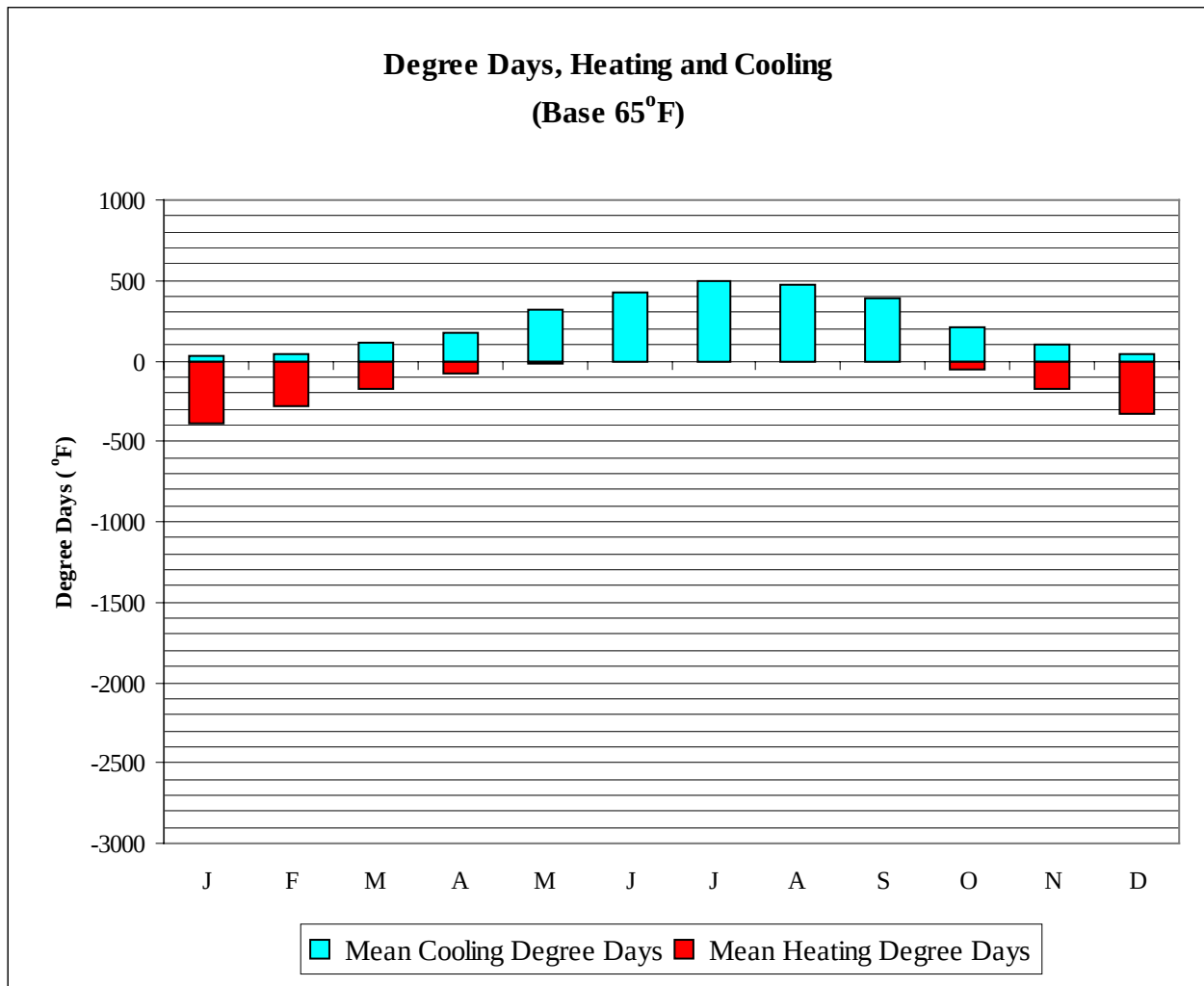


Long Term Humidity and Dry Bulb Temperature Summary

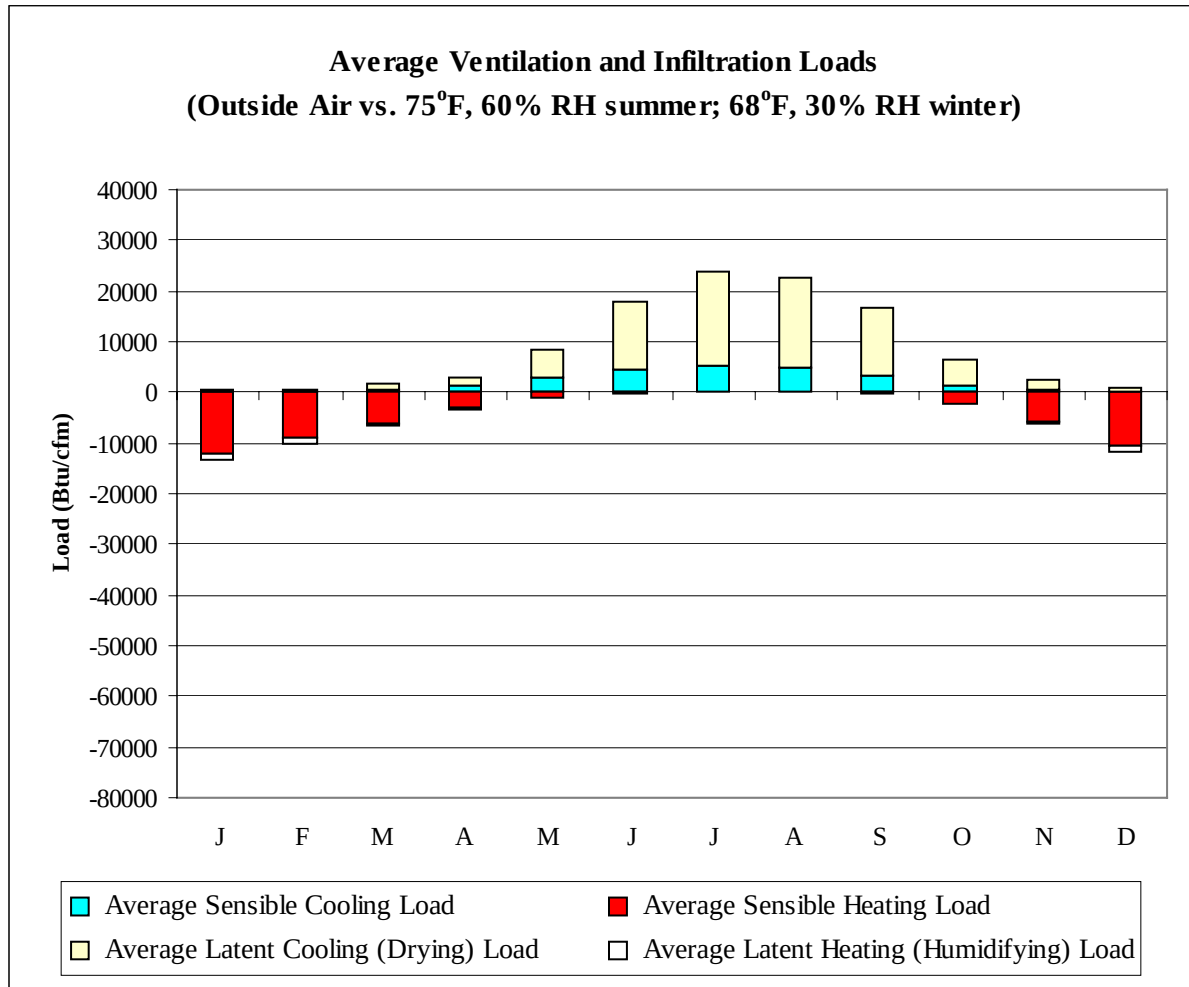


CECIL FIELD NAS FL WMO No. 722067
Long Term Dry Bulb Temperature and Humidity Summary

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	79.0	67.7	66.6	45.7	30.0	98.7	73.8	64.4	39.5
14-Jan	79.0	67.3	63.5	42.2	26.0	95.9	72.5	57.6	33.1
21-Jan	79.0	65.5	65.1	42.1	25.0	93.1	69.6	56.7	32.3
28-Jan	80.0	66.7	65.4	41.8	27.0	92.4	71.0	56.1	31.7
4-Feb	82.0	68.2	67.6	45.0	29.0	95.9	73.2	61.4	36.9
11-Feb	80.0	66.7	65.7	43.2	29.0	95.9	72.8	58.0	34.0
18-Feb	81.0	66.8	68.8	45.3	30.0	93.1	70.4	60.9	36.4
25-Feb	82.0	66.6	71.0	49.4	31.0	102.9	72.4	68.3	42.2
4-Mar	83.0	66.2	70.8	46.8	30.0	98.0	70.9	62.5	36.8
11-Mar	84.0	67.6	73.1	50.5	36.0	100.1	70.9	70.4	44.3
18-Mar	87.0	68.1	75.0	51.3	34.0	102.9	73.7	72.4	44.0
25-Mar	86.0	69.2	75.8	52.3	37.0	103.6	75.2	73.2	44.9
1-Apr	87.0	68.0	77.6	55.5	44.0	104.3	76.8	77.5	51.5
8-Apr	88.0	68.0	78.0	53.4	41.0	107.1	74.9	74.5	45.5
15-Apr	87.0	69.4	79.1	56.3	43.0	107.1	76.3	80.6	52.8
22-Apr	89.0	68.8	81.6	56.6	47.0	109.9	75.4	81.8	52.8
29-Apr	91.0	68.3	82.8	58.6	47.0	123.2	79.7	84.9	55.1
6-May	91.0	68.5	84.5	60.7	51.0	119.7	79.1	91.4	62.1
13-May	92.0	73.4	85.0	62.0	53.0	123.2	78.5	95.4	66.6
20-May	93.0	72.6	87.1	64.2	56.0	123.2	79.6	100.6	70.6
27-May	93.0	72.7	87.3	65.8	56.0	128.1	83.2	106.8	78.0
3-Jun	95.0	73.4	89.4	67.9	59.0	131.6	81.4	114.7	85.7
10-Jun	97.0	75.8	90.2	70.5	65.0	135.8	82.5	120.9	91.9
17-Jun	97.0	76.6	90.0	69.8	64.0	131.6	82.4	118.6	90.6
24-Jun	96.0	76.5	90.8	71.2	67.0	135.8	82.9	124.4	97.8
1-Jul	97.0	77.8	90.9	71.8	68.0	135.8	82.7	127.6	99.3
8-Jul	97.0	76.5	92.3	72.4	68.0	140.7	86.1	128.2	100.5
15-Jul	98.0	77.7	93.5	73.0	70.0	146.3	87.6	131.4	102.9
22-Jul	98.0	79.4	92.1	72.8	70.0	145.6	86.8	132.2	104.8
29-Jul	96.0	78.4	91.8	73.0	70.0	151.2	86.3	133.4	105.7
5-Aug	96.0	76.3	91.7	72.7	70.0	141.4	84.9	132.3	104.9
12-Aug	97.0	76.6	91.8	72.4	69.0	140.0	83.5	129.6	103.2
19-Aug	96.0	77.6	91.0	72.4	69.0	145.6	85.0	131.6	104.5
26-Aug	96.0	77.0	90.4	72.3	66.0	141.4	82.3	129.2	103.2
2-Sep	95.0	76.6	89.9	72.3	69.0	145.6	83.1	128.3	102.9
9-Sep	94.0	76.0	88.8	71.5	68.0	135.8	82.0	125.8	99.5
16-Sep	94.0	74.8	88.4	71.2	66.0	135.8	82.0	123.8	97.5
23-Sep	93.0	76.0	87.9	69.5	61.0	135.8	81.5	119.2	91.3
30-Sep	92.0	74.7	85.5	67.8	58.0	131.6	81.8	112.5	85.5
7-Oct	93.0	75.5	83.4	65.0	54.0	132.3	79.5	103.4	75.4
14-Oct	89.0	74.2	81.6	63.1	51.0	128.1	79.3	99.0	72.7
21-Oct	88.0	72.5	80.1	59.0	43.0	119.0	77.7	90.0	61.8
28-Oct	86.0	71.7	78.8	58.7	45.0	123.2	78.2	89.9	61.9
4-Nov	84.0	70.7	77.4	58.7	43.0	118.3	77.2	89.0	62.3
11-Nov	84.0	71.2	74.6	53.2	37.0	110.6	75.5	78.0	49.8
18-Nov	83.0	70.3	73.1	50.6	36.0	107.1	74.7	73.4	45.8
25-Nov	83.0	71.2	73.2	52.0	34.0	114.1	76.0	77.3	49.6
2-Dec	83.0	70.0	71.8	50.5	33.0	114.1	74.9	76.0	47.4
9-Dec	82.0	70.9	69.9	46.8	33.0	109.9	74.8	68.0	39.1
16-Dec	78.0	67.1	67.7	45.8	30.0	103.6	71.1	65.5	39.1
23-Dec	79.0	66.6	64.4	42.6	25.0	98.7	70.5	57.1	34.8
31-Dec	80.0	67.6	66.5	45.5	22.0	98.7	72.8	64.6	39.5



	Mean Cooling Degree Days (°F)	Mean Heating Degree Days (°F)
JAN	33	386
FEB	47	286
MAR	108	175
APR	179	83
MAY	317	18
JUN	431	1
JUL	499	0
AUG	472	0
SEP	385	3
OCT	213	54
NOV	101	172
DEC	44	334
ANN	2829	1512



	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	90	-12049	407	-1433
FEB	167	-9129	443	-1076
MAR	560	-6000	1021	-447
APR	1249	-3153	1606	-119
MAY	2790	-900	5799	0
JUN	4305	-71	13619	0
JUL	5326	-6	18336	0
AUG	4693	-7	17986	0
SEP	3324	-156	13255	0
OCT	1313	-2177	5313	-21
NOV	407	-5826	2166	-362
DEC	128	-10576	796	-992
ANN	24352	-50050	80747	-4450

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

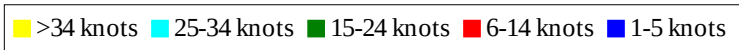
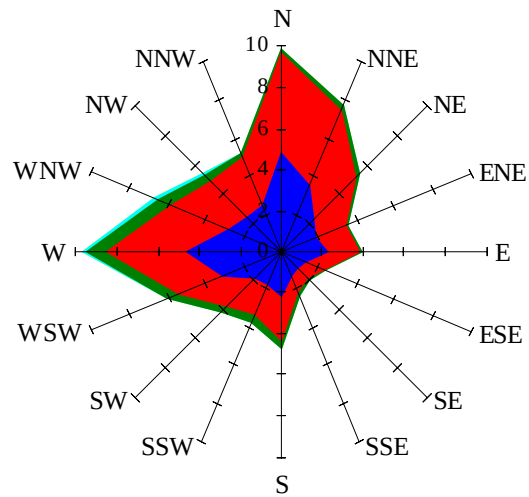
(Source: National Renewable Energy Laboratory, Golden CO, 1995)

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

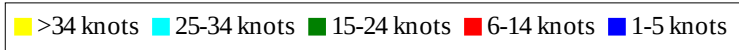
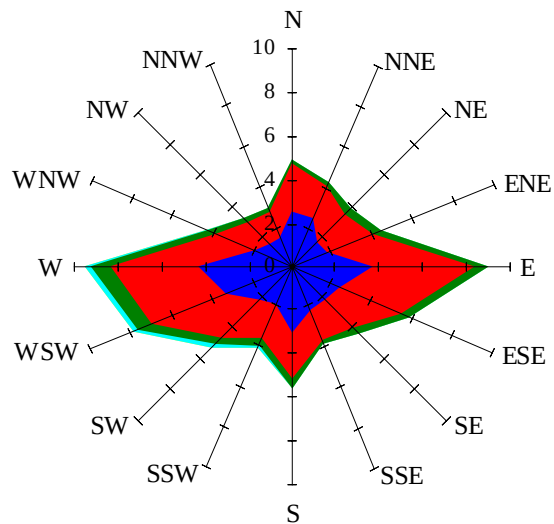
Labels of Percent Frequency on North Axis



Percent Calm = 17.98

Wind Summary - March, April, and May

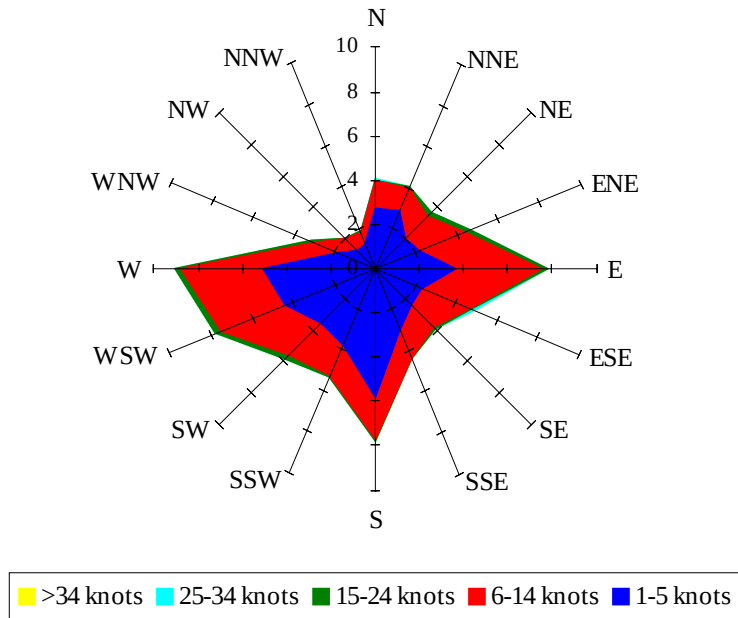
Labels of Percent Frequency on North Axis



Percent Calm = 18.07

Wind Summary - June, July, and August

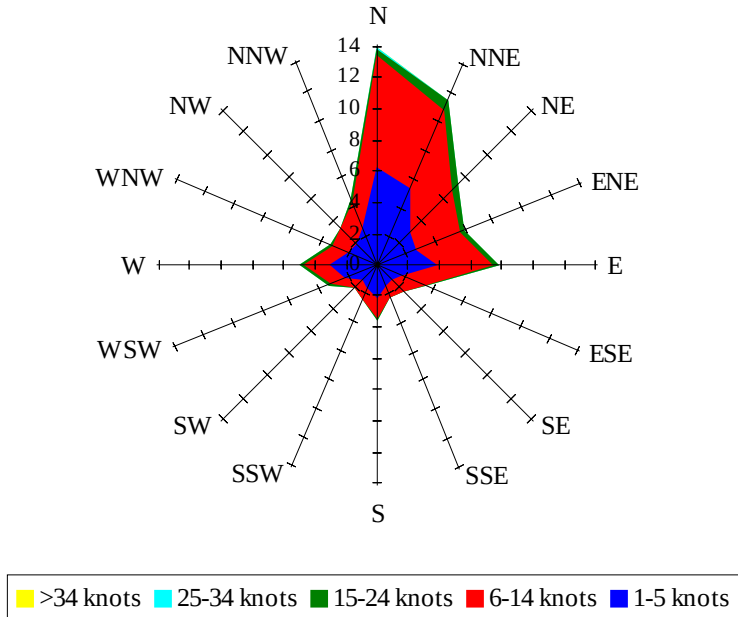
Labels of Percent Frequency on North Axis



Percent Calm = 20.54

Wind Summary - September, October, and November

Labels of Percent Frequency on North Axis



Percent Calm = 19.70