

MOBILE/BATES AL

Latitude = 30.68 N

Longitude = 88.25 W

Period of Record = 1973 to 1996

WMO No. 722230

Elevation = 220 feet

Average Pressure = 29.79 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	112	8.9	N
0.4% Occurrence	94	77	113	8.2	N
1.0% Occurrence	92	76	112	8.3	S
2.0% Occurrence	91	76	113	8.5	S
Mean Daily Range	19	-	-	-	-
97.5% Occurrence	34	31	20	8.2	N
99.0% Occurrence	30	27	16	8.6	N
99.6% Occurrence	26	23	13	8.5	N
Median of Extreme Lows	21	18	9	10.6	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	82	91	146	8.2	SSW
0.4% Occurrence	79	88	132	8.5	S
1.0% Occurrence	79	88	132	8.5	S
2.0% Occurrence	78	86	129	8.2	S
	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	152	85	1.00	7.1	SSW
0.4% Occurrence	141	83	0.94	7.3	S
1.0% Occurrence	137	82	0.90	7.1	S
2.0% Occurrence	136	82	0.90	7.0	S
Air Conditioning/ Humid Area Criteria	# of Hours	T ≥ 93°F	T ≥ 80°F	T _{wb} ≥ 73°F	T _{wb} ≥ 67°F
		70	1539	1957	3780

Other Site Data

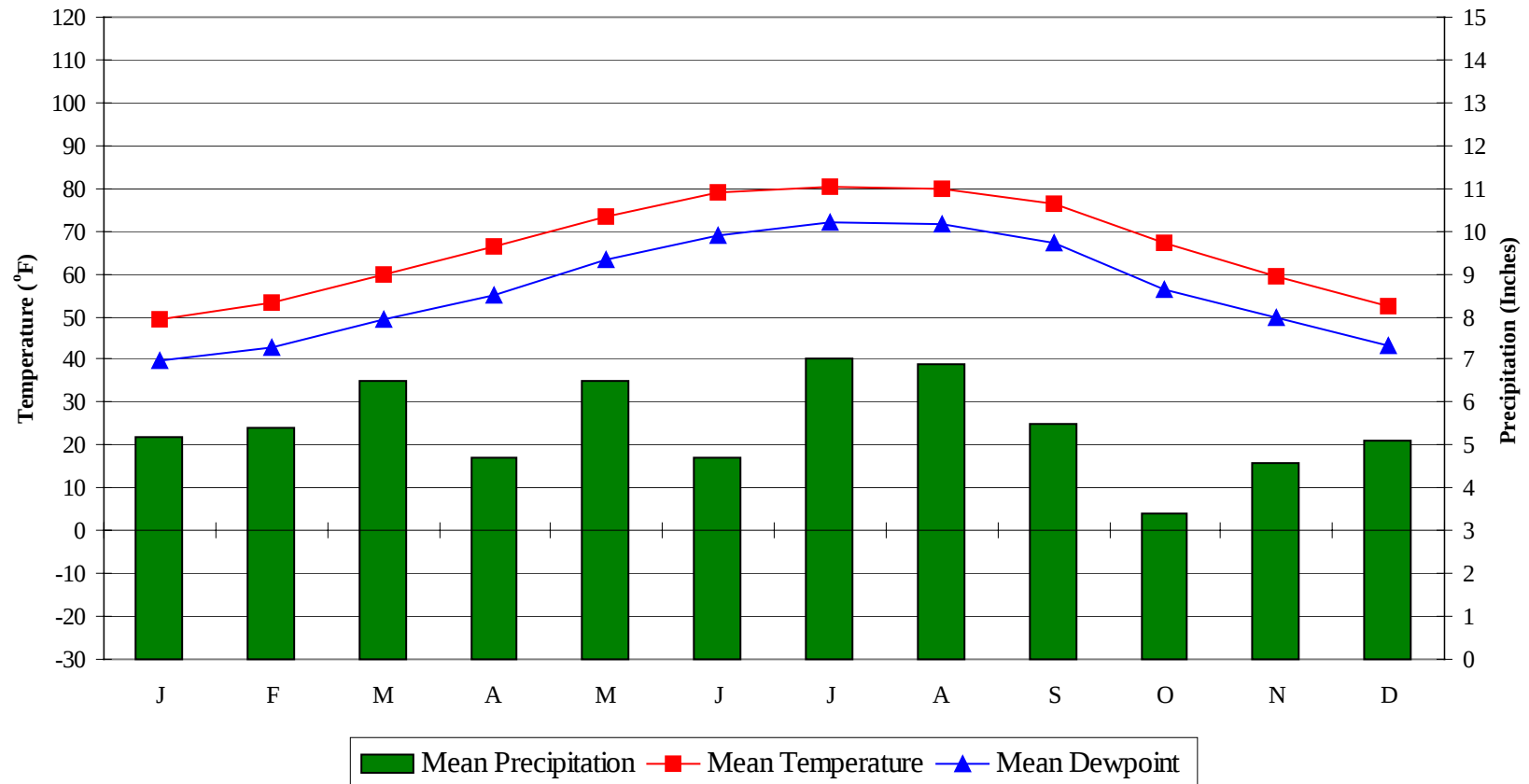
Weather Region	Rain Rate 100 Year Recurrence (in./hr)	Basic Wind Speed 3 sec gust @ 33 ft 50 Year Recurrence (mph)	Ventilation Cooling Load Index (Ton-hr/cfm/yr) Base 75°F-RH 60% Latent + Sensible
10	4.6	130	7.2 + 1.6
Ground Water Temperature (°F) 50 Foot Depth *	Frost Depth 50 Year Recurrence (in.)	Ground Snow Load 50 Year Recurrence (lb/ft ²)	Average Annual Freeze-Thaw Cycles (#)
68.9	0	0	16

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

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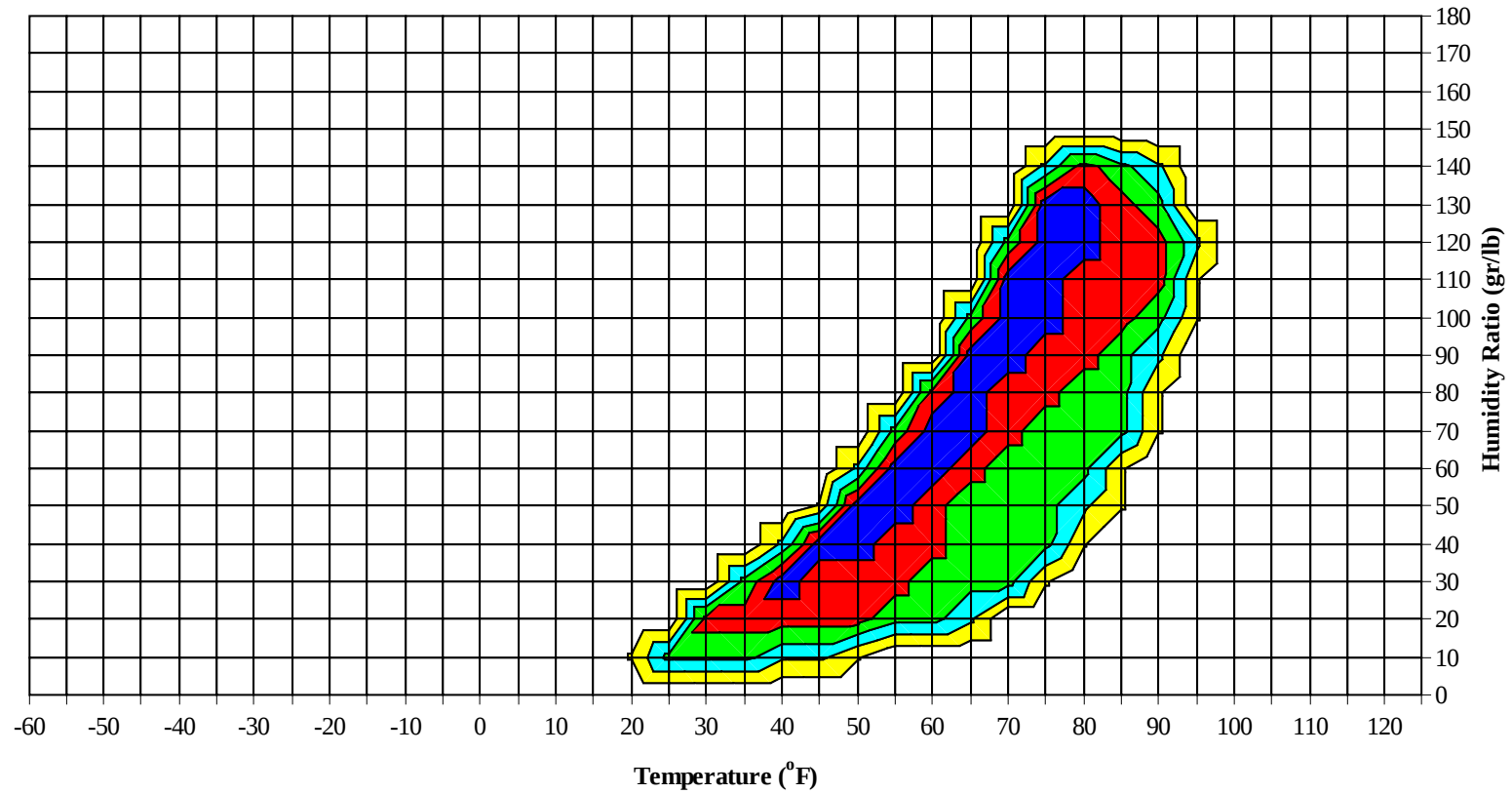
Average Annual Climate



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Long Term Psychrometric Summary

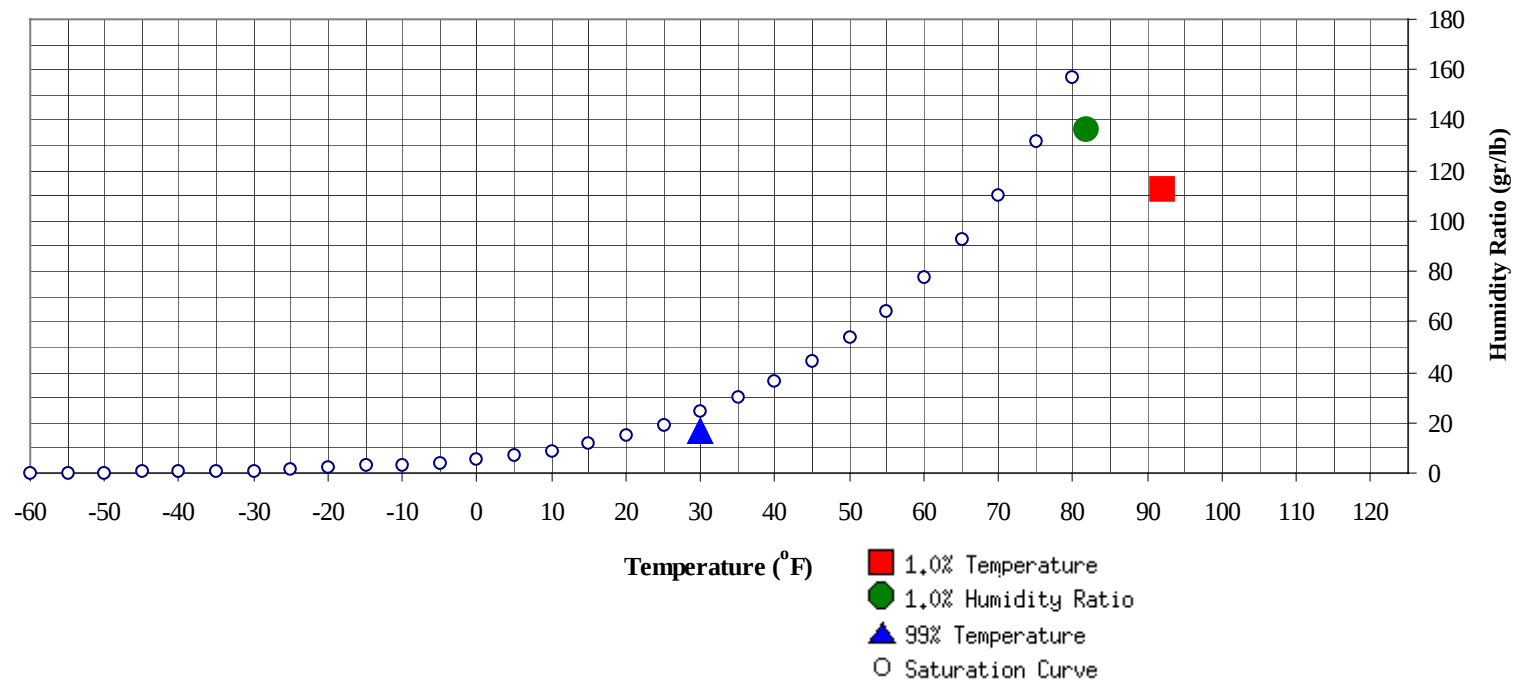


- 50% of all observations
- 80% of all observations
- 95% of all observations
- 97.5% of all observations
- 99% of all observations

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Psychrometric Summary of Peak Design Values



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)
	30	16.5	9.7		136.5	81.9	77.6	75.9	41.1

1.0% Dry Bulb	(°F)	MCHR (gr/lb)	MCWB (°F)	Enthalpy (btu/lb)
	92	112.5	76.4	39.8

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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												0	0	0	66.0
80 / 84							1		1	66.1		12	0	12	66.0
75 / 79		4	0	4	67.4		9	0	9	65.1	0	38	7	45	65.4
70 / 74	2	19	3	24	65.2	2	30	8	40	63.7	15	53	27	95	64.3
65 / 69	14	31	18	63	62.0	14	42	23	79	60.8	26	49	45	120	60.7
60 / 64	19	36	30	85	57.6	22	37	34	93	56.7	44	39	56	139	57.2
55 / 59	20	38	31	89	52.2	28	31	39	98	52.2	42	25	44	111	52.6
50 / 54	33	40	41	114	47.5	35	28	38	101	47.5	41	17	36	94	47.9
45 / 49	34	29	39	102	42.6	32	20	33	85	42.6	35	8	19	62	43.2
40 / 44	37	24	36	97	38.2	33	14	25	72	38.0	23	4	9	36	38.6
35 / 39	33	15	27	75	33.5	26	7	15	48	33.4	12	2	4	18	34.3
30 / 34	33	7	16	56	29.0	19	3	7	29	28.9	6	0	2	8	29.4
25 / 29	16	2	5	23	24.3	10	1	2	13	24.7	2	0	0	2	24.5
20 / 24	5	1	1	7	19.7	2	0	0	2	20.0	1			1	21.2
15 / 19	1	0	1	2	15.1	1	0	0	1	15.6					
10 / 14	0	0	0	0	9.6	0			0	12.0					
5 / 9	0	0	0	0	5.5										
0 / 4	0			0	2.3										

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 = 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															
95 / 99							0		0	75.7		3	0	3	76.5
90 / 94		0		0	69.4		5	0	5	73.7		47	4	51	75.3
85 / 89		5	0	5	68.0	0	51	4	55	71.8	1	97	20	118	74.4
80 / 84		41	3	44	66.9	3	92	24	119	70.2	25	58	51	134	73.6
75 / 79	3	70	19	92	66.0	28	62	59	149	69.4	75	25	96	197	72.6
70 / 74	27	59	55	141	64.5	73	26	87	186	67.8	105	9	60	174	69.6
65 / 69	49	35	64	148	61.9	81	9	52	142	64.1	27	0	7	34	64.4
60 / 64	51	19	51	121	57.6	38	2	15	55	58.6	6		1	7	58.6
55 / 59	48	7	28	83	53.1	18	0	5	23	53.8	1		0	1	54.5
50 / 54	33	3	14	50	48.2	7		1	8	49.5	0			0	48.0
45 / 49	20	1	5	26	43.8	1		0	1	44.6					
40 / 44	6	0	1	7	39.6										
35 / 39	2	0	0	2	35.4										
30 / 34	0			0	31.2										
25 / 29															
20 / 24															
15 / 19															
10 / 14															
5 / 9															
0 / 4															

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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		1	0	1	79.6										
95 / 99		10	1	11	77.9		5	0	5	78.3		2	0	2	76.0
90 / 94	0	72	7	79	77.1	0	61	4	65	76.9		28	1	29	75.4
85 / 89	4	91	24	119	76.4	2	100	22	124	76.3	0	73	9	82	74.6
80 / 84	33	45	65	143	75.6	23	53	62	138	75.5	10	70	39	118	73.5
75 / 79	117	22	110	249	73.8	110	21	122	253	73.9	57	41	94	193	72.3
70 / 74	91	7	40	138	70.8	104	6	38	148	70.9	101	18	62	182	69.3
65 / 69	4	0	0	4	65.4	8	1	1	10	65.1	39	6	21	66	63.4
60 / 64	0			0	59.0	1	0		1	61.5	19	2	10	31	58.7
55 / 59											9	0	4	13	53.6
50 / 54											4		0	4	49.4
45 / 49											0			0	44.4
40 / 44															
35 / 39															
30 / 34															
25 / 29															
20 / 24															
15 / 19															
10 / 14															
5 / 9															
0 / 4															

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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		1		1	74.1										
85 / 89		18	0	18	71.7		0		0	69.7					
80 / 84	0	54	5	59	69.3		11		11	69.2					
75 / 79	7	64	27	98	67.7	2	38	4	44	68.2	0	10	1	11	69.1
70 / 74	36	55	62	153	65.7	19	49	29	97	66.2	9	31	11	51	66.7
65 / 69	49	32	55	136	62.0	33	44	41	118	62.4	16	36	27	79	62.4
60 / 64	50	16	42	108	57.7	29	37	41	107	56.9	27	42	33	102	57.5
55 / 59	39	6	33	78	53.0	35	27	38	100	52.2	26	36	31	93	52.2
50 / 54	38	1	18	57	48.6	34	20	35	89	47.7	29	37	38	104	47.2
45 / 49	20	0	6	26	44.1	33	9	28	70	42.8	32	25	39	96	42.7
40 / 44	7	0	1	8	40.1	27	3	17	47	38.6	34	17	33	84	38.3
35 / 39	1	0	1	2	35.1	20	0	6	26	34.5	35	9	21	65	34.0
30 / 34	0		0	0	31.6	7	0	1	8	30.2	22	4	10	36	29.3
25 / 29						1		0	1	25.2	14	1	3	18	24.8
20 / 24						0			0	22.0	2	1	1	4	19.0
15 / 19											1	0	1	2	14.5
10 / 14											1	0	0	1	10.0
5 / 9											0			0	7.1
0 / 4															

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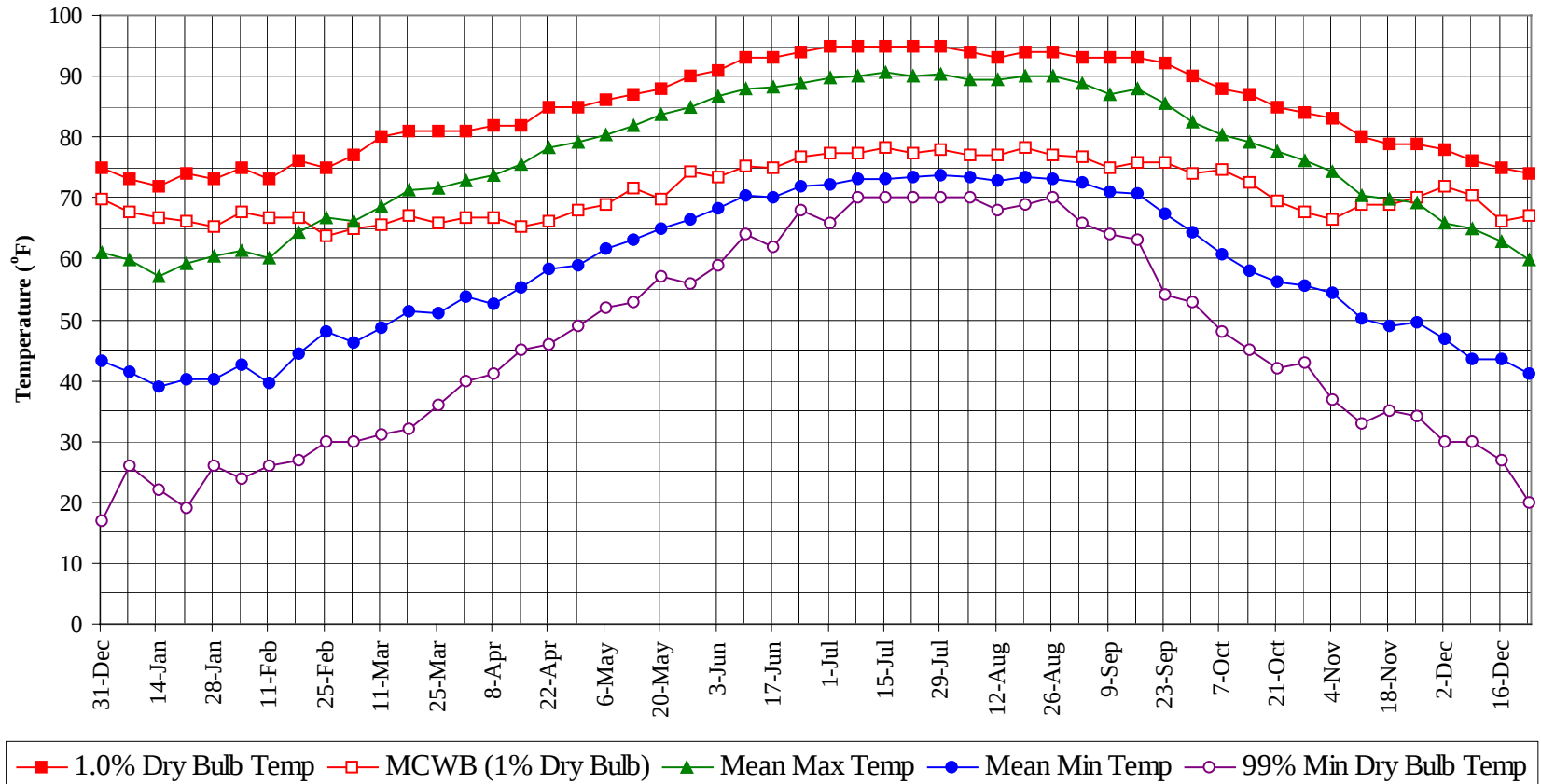
Dry-Bulb Temperature Hours For An Average Year (Sheet 5 of 5)

Period of Record = 1973 to 1996

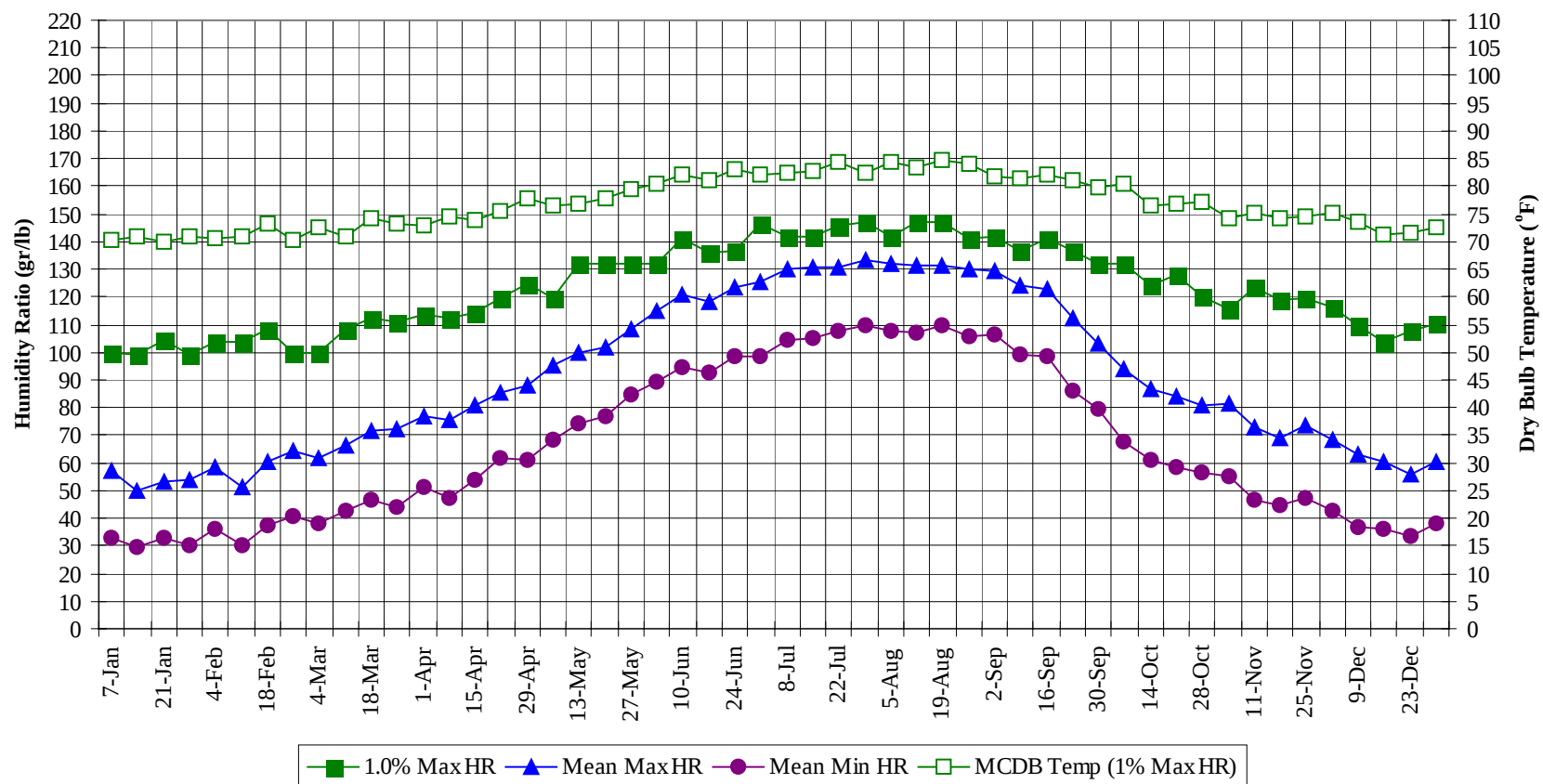
Annual Totals					
Temperature Range (°F)	Hour Group (LST)			Total Obs	M C W B (°F)
	01 To 08	09 To 16	17 To 00		
100 / 104		1	0	1	79.6
95 / 99		20	1	21	77.6
90 / 94	0	213	16	229	76.3
85 / 89	7	433	80	520	74.9
80 / 84	92	437	248	777	72.9
75 / 79	397	406	536	1338	71.4
70 / 74	582	366	481	1428	67.7
65 / 69	361	286	355	1002	62.3
60 / 64	306	231	314	851	57.5
55 / 59	267	172	252	691	52.5
50 / 54	255	146	222	623	47.7
45 / 49	209	93	169	471	42.9
40 / 44	169	62	122	353	38.3
35 / 39	129	33	74	236	33.8
30 / 34	88	14	36	138	29.2
25 / 29	42	4	11	57	24.6
20 / 24	11	2	2	15	19.7
15 / 19	3	1	1	5	14.9
10 / 14	2	0	1	3	10.1
5 / 9	1	0	0	1	6.2
0 / 4	0			0	2.3
					</

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Annual Summary of Temperatures



Long Term Humidity and Dry Bulb Temperature Summary

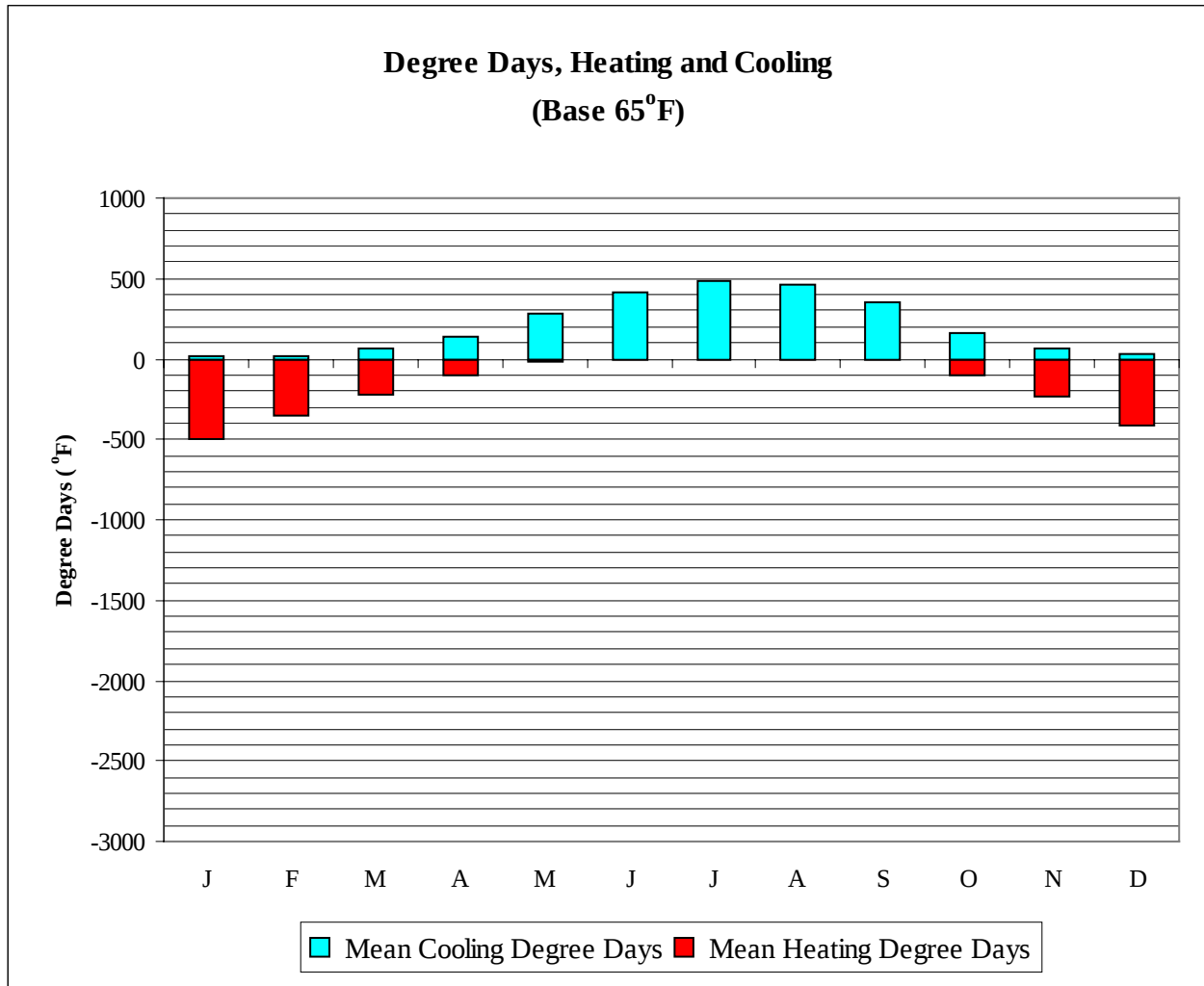


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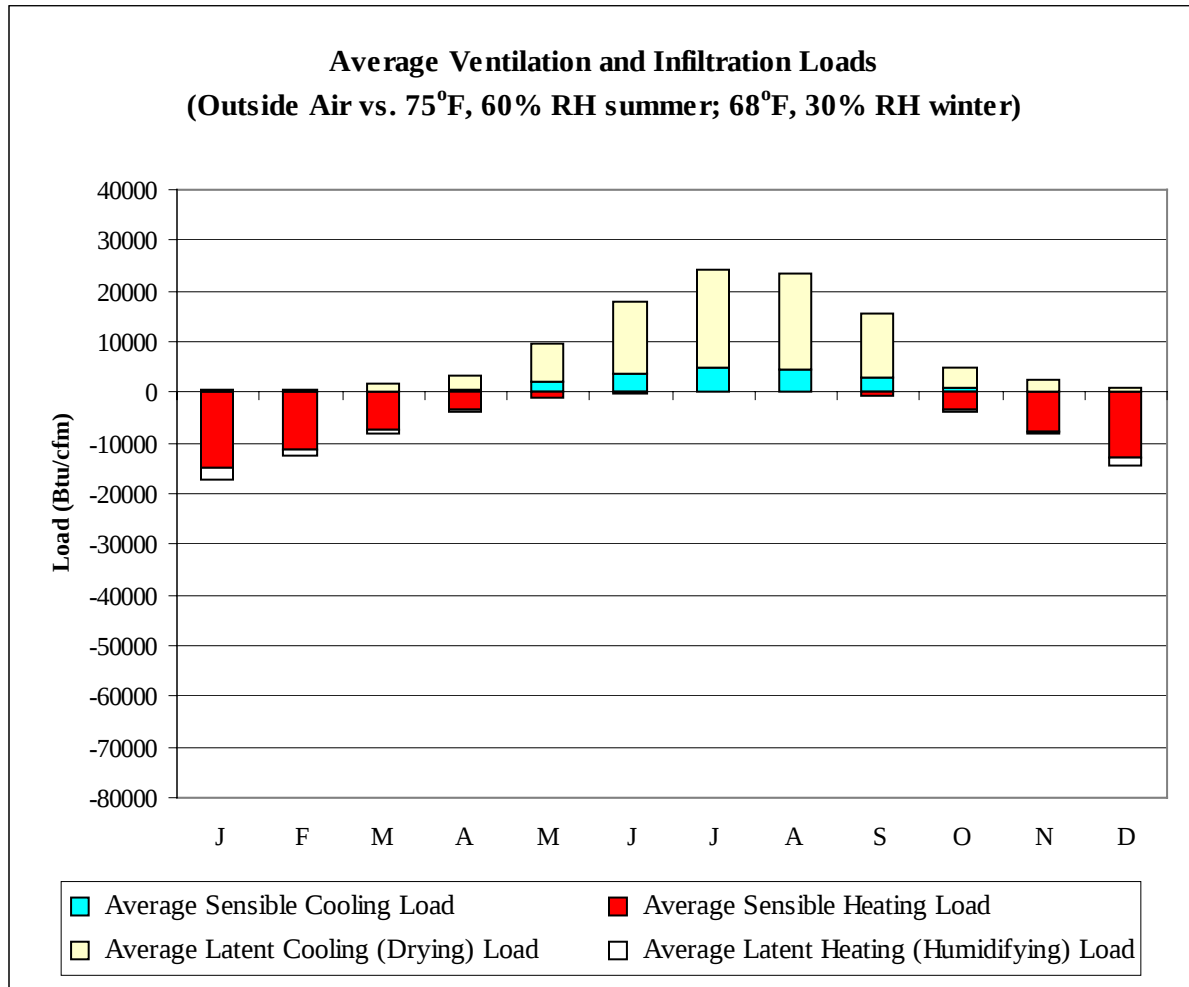
WMO No. 722230

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	67.6	59.7	41.3	26.0	100.1	70.3	57.4	32.5
14-Jan	72.0	66.7	57.2	38.9	22.0	99.4	71.0	49.8	29.3
21-Jan	74.0	66.0	59.2	40.3	19.0	104.3	70.0	53.3	32.9
28-Jan	73.0	65.4	60.5	40.3	26.0	99.4	70.9	53.7	30.2
4-Feb	75.0	67.7	61.4	42.5	24.0	103.6	70.7	58.3	35.9
11-Feb	73.0	66.8	60.0	39.5	26.0	103.6	70.8	51.0	30.2
18-Feb	76.0	66.8	64.5	44.5	27.0	108.5	73.1	60.1	37.4
25-Feb	75.0	63.7	66.7	47.9	30.0	100.1	70.2	64.4	40.4
4-Mar	77.0	64.9	66.3	46.3	30.0	100.1	72.6	62.0	37.9
11-Mar	80.0	65.5	68.5	48.5	31.0	108.5	71.1	66.2	42.9
18-Mar	81.0	67.0	71.3	51.2	32.0	112.0	74.2	71.9	46.5
25-Mar	81.0	66.0	71.7	50.9	36.0	111.3	73.1	72.1	44.3
1-Apr	81.0	66.9	72.8	53.8	40.0	113.4	72.9	77.1	50.9
8-Apr	82.0	66.9	73.6	52.7	41.0	112.0	74.4	75.3	47.4
15-Apr	82.0	65.3	75.7	55.4	45.0	114.1	74.0	80.8	54.2
22-Apr	85.0	66.3	78.2	58.3	46.0	119.7	75.5	85.2	61.9
29-Apr	85.0	67.9	79.0	58.9	49.0	124.6	77.8	87.7	60.9
6-May	86.0	68.8	80.4	61.6	52.0	119.7	76.4	95.4	68.3
13-May	87.0	71.5	81.9	63.2	53.0	132.3	77.0	100.1	74.2
20-May	88.0	69.7	83.7	64.8	57.0	132.3	77.8	101.9	77.0
27-May	90.0	74.3	85.0	66.4	56.0	132.3	79.3	108.1	84.4
3-Jun	91.0	73.6	86.7	68.2	59.0	132.3	80.4	115.1	89.1
10-Jun	93.0	75.4	87.9	70.5	64.0	141.4	82.2	120.6	94.7
17-Jun	93.0	74.9	88.1	70.1	62.0	135.8	81.0	118.5	92.5
24-Jun	94.0	76.7	88.7	71.8	68.0	136.5	82.9	123.6	98.5
1-Jul	95.0	77.5	89.7	72.1	66.0	146.3	82.1	125.4	98.6
8-Jul	95.0	77.2	90.0	73.1	70.0	142.1	82.4	129.8	104.6
15-Jul	95.0	78.2	90.6	73.2	70.0	142.1	82.6	130.5	105.1
22-Jul	95.0	77.2	90.1	73.3	70.0	145.6	84.4	131.0	107.7
29-Jul	95.0	78.1	90.3	73.7	70.0	147.0	82.5	133.4	110.0
5-Aug	94.0	77.2	89.4	73.3	70.0	142.1	84.4	132.3	107.5
12-Aug	93.0	76.9	89.4	72.7	68.0	147.0	83.5	131.0	106.9
19-Aug	94.0	78.1	89.9	73.3	69.0	147.0	84.7	131.3	109.5
26-Aug	94.0	77.0	90.2	73.1	70.0	141.4	84.1	130.2	106.0
2-Sep	93.0	76.9	88.8	72.6	66.0	142.1	81.9	129.3	106.1
9-Sep	93.0	75.0	87.0	71.1	64.0	136.5	81.3	123.9	99.0
16-Sep	93.0	75.8	87.8	70.7	63.0	141.4	82.1	123.0	98.4
23-Sep	92.0	75.7	85.4	67.4	54.0	136.5	81.0	112.1	86.3
30-Sep	90.0	74.1	82.6	64.5	53.0	132.3	79.7	103.1	79.4
7-Oct	88.0	74.6	80.3	60.7	48.0	132.3	80.3	93.7	67.6
14-Oct	87.0	72.4	79.1	58.1	45.0	123.9	76.4	86.4	61.1
21-Oct	85.0	69.6	77.7	56.2	42.0	128.1	76.8	84.2	58.2
28-Oct	84.0	67.8	76.1	55.5	43.0	120.4	77.2	81.1	56.6
4-Nov	83.0	66.6	74.5	54.5	37.0	115.5	74.3	81.2	55.4
11-Nov	80.0	68.8	70.5	50.2	33.0	123.2	75.2	72.8	46.7
18-Nov	79.0	68.9	69.8	49.0	35.0	119.0	74.1	69.1	44.8
25-Nov	79.0	70.2	69.2	49.6	34.0	119.7	74.4	73.6	47.1
2-Dec	78.0	71.8	65.9	46.9	30.0	116.2	75.1	68.5	43.0
9-Dec	76.0	70.5	65.0	43.6	30.0	109.9	73.7	62.8	36.6
16-Dec	75.0	66.2	62.9	43.5	27.0	103.6	71.2	60.3	36.0
23-Dec	74.0	67.2	59.8	41.2	20.0	107.8	71.7	55.6	33.7
31-Dec	75.0	69.9	61.0	43.4	17.0	110.6	72.5	60.3	38.0



	Mean Cooling Degree Days (°F)	Mean Heating Degree Days (°F)
JAN	13	492
FEB	22	358
MAR	66	220
APR	133	96
MAY	281	17
JUN	416	1
JUL	481	0
AUG	463	0
SEP	348	10
OCT	161	97
NOV	64	236
DEC	25	418
ANN	2472	1945



	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	3	-14960	514	-2081
FEB	18	-11166	660	-1442
MAR	166	-7411	1501	-600
APR	550	-3616	2719	-124
MAY	1939	-867	7775	-1
JUN	3828	-76	13913	0
JUL	4772	-3	19425	0
AUG	4398	-15	19194	0
SEP	2825	-477	12791	0
OCT	835	-3583	4099	-65
NOV	145	-7751	2258	-577
DEC	11	-12910	1073	-1556
ANN	19490	-62835	85922	-6446

Average Annual Solar Radiation – Nearest Available Site

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

City: MOBILE
 State: AL
 WBAN No: 13894
 Lat(N): 30.68
 Long(W): 88.25
 Elev(ft): 220

Stn Type: Secondary
 SHADING GEOMETRY IN DIMENSIONLESS UNITS
 Window: 1
 Overhang: 0.904
 Vert Gap: 0.652

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	850	1120	1400	1720	1860	1880	1770	1660	1500	1330	980	800	1410
	Std Dev	70	93	106	134	120	140	121	131	106	116	89	68	38
	Minimum	700	910	1170	1480	1570	1600	1520	1410	1300	1110	720	690	1330
	Maximum	1020	1280	1630	2080	2200	2160	2060	1970	1750	1580	1170	940	1490
	Diffuse	410	480	610	710	830	890	910	830	700	500	410	370	640
Clear Day	Global	1270	1590	1980	2320	2500	2550	2490	2320	2010	1640	1300	1160	1930
NORTH	Global	260	310	380	450	560	620	570	490	410	340	270	240	410
	Diffuse	260	310	380	440	500	530	510	470	410	340	270	240	390
Clear Day	Global	240	290	350	440	580	690	640	490	400	320	260	220	410
EAST	Global	520	660	790	940	1000	1030	990	970	870	790	600	500	810
	Diffuse	300	370	460	540	600	630	630	590	510	420	330	280	470
Clear Day	Global	860	1020	1200	1310	1340	1340	1320	1260	1150	1000	840	780	1120
SOUTH	Global	1060	1130	1020	850	670	590	610	730	940	1230	1180	1070	920
	Diffuse	390	450	500	520	530	520	530	540	540	490	430	380	490
Clear Day	Global	1990	1900	1570	1100	760	630	690	940	1340	1700	1880	1950	1370
WEST	Global	540	690	830	970	1000	960	880	850	820	800	610	510	790
	Diffuse	310	380	470	540	610	620	610	570	510	420	340	290	470
Clear Day	Global	860	1020	1200	1310	1340	1340	1320	1260	1150	1000	840	780	1120

Average Annual Solar Heat and Illumination – Nearest Available Site

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

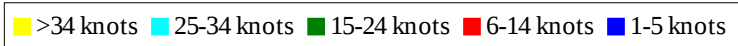
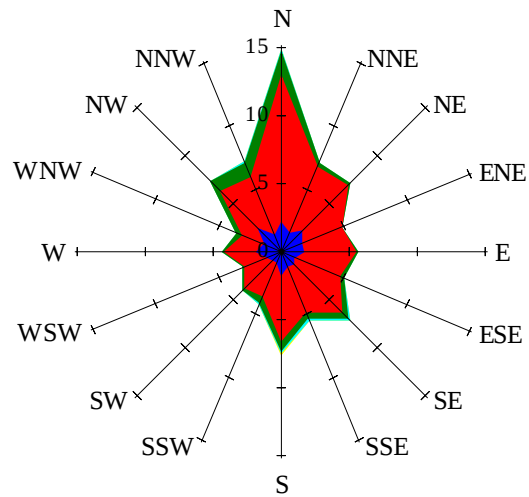
AVERAGE TRANSMITTED SOLAR RADIATION (Btu/sq.ft./day) FOR DOUBLE GLAZING, Percentage Uncertainty = 9		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
HORIZ	Unshaded	590	780	1010	1250	1360	1370	1280	1200	1080	950	680	540	1010
NORTH	Unshaded	180	210	260	310	360	400	370	330	280	230	190	160	270
	Shaded	150	190	230	270	310	340	320	290	250	210	160	140	240
EAST	Unshaded	360	460	560	660	710	730	700	690	620	560	420	340	570
	Shaded	310	390	460	550	580	590	570	560	520	480	360	290	470
SOUTH	Unshaded	780	800	680	520	400	370	380	450	610	860	860	790	630
	Shaded	730	650	380	310	320	320	320	320	330	610	780	760	490
WEST	Unshaded	370	490	590	690	710	680	620	600	580	560	430	350	550
	Shaded	320	410	490	570	580	550	500	490	480	480	370	300	460

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	50	83	91	70	27	47	86	103	93	62
	M.Cloudy	26	50	57	43	16	32	62	74	67	42
NORTH	M.Clear	11	15	16	14	8	23	17	17	18	21
	M.Cloudy	11	17	18	15	7	17	19	18	19	17
EAST	M.Clear	80	55	16	14	8	72	69	27	18	16
	M.Cloudy	25	31	18	15	7	38	47	25	19	15
SOUTH	M.Clear	40	66	72	56	22	13	22	31	27	16
	M.Cloudy	17	35	41	30	11	12	21	27	24	15
WEST	M.Clear	11	15	28	71	65	13	17	17	56	75
	M.Cloudy	11	17	23	36	22	12	19	18	41	42
M.Clear	(% hrs)	35	35	33	36	39	42	36	24	26	32

		Sept					Dec				
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	33	75	92	81	45	29	58	62	39	4
	M.Cloudy	21	49	62	55	30	15	31	35	22	3
NORTH	M.Clear	10	16	17	17	13	8	12	12	10	2
	M.Cloudy	9	17	19	18	12	7	12	14	9	2
EAST	M.Clear	65	68	25	17	13	58	41	12	10	2
	M.Cloudy	26	40	23	18	12	14	19	14	9	2
SOUTH	M.Clear	21	51	66	57	30	53	86	90	66	11
	M.Cloudy	12	31	41	36	18	14	29	35	22	3
WEST	M.Clear	10	16	17	58	70	8	12	29	58	17
	M.Cloudy	9	17	19	37	34	7	12	18	20	4
M.Clear	(% hrs)	47	43	33	32	35	37	36	34	34	40

Wind Summary - December, January, and February

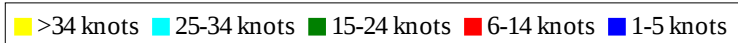
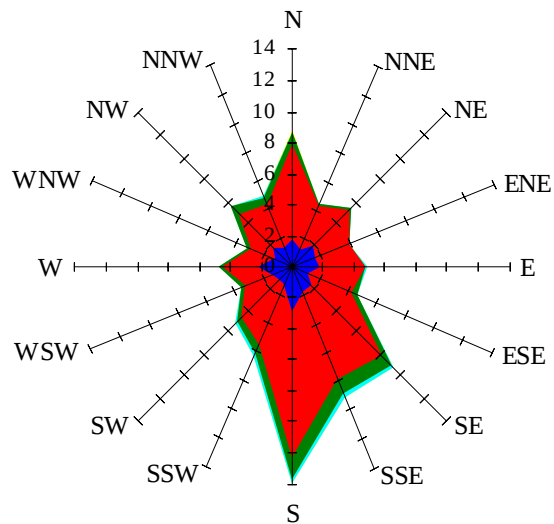
Labels of Percent Frequency on North Axis



Percent Calm = 3.57

Wind Summary - March, April, and May

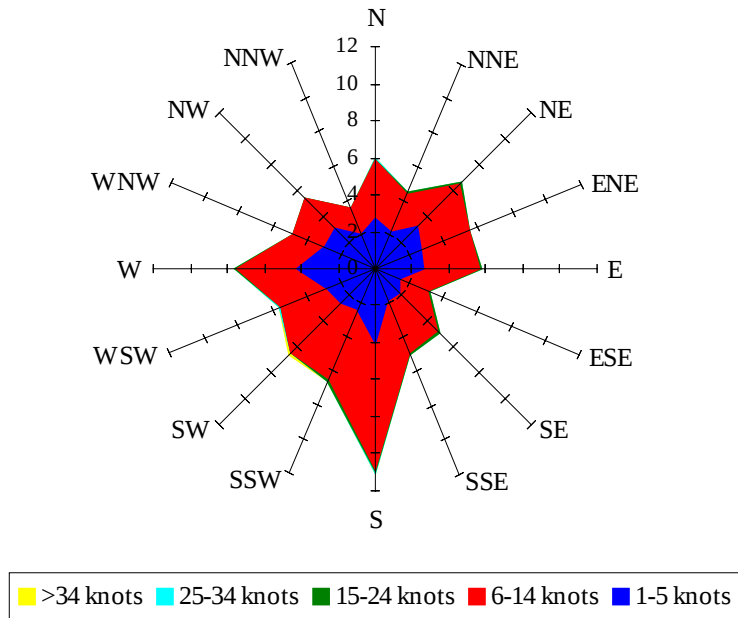
Labels of Percent Frequency on North Axis



Percent Calm = 4.17

Wind Summary - June, July, and August

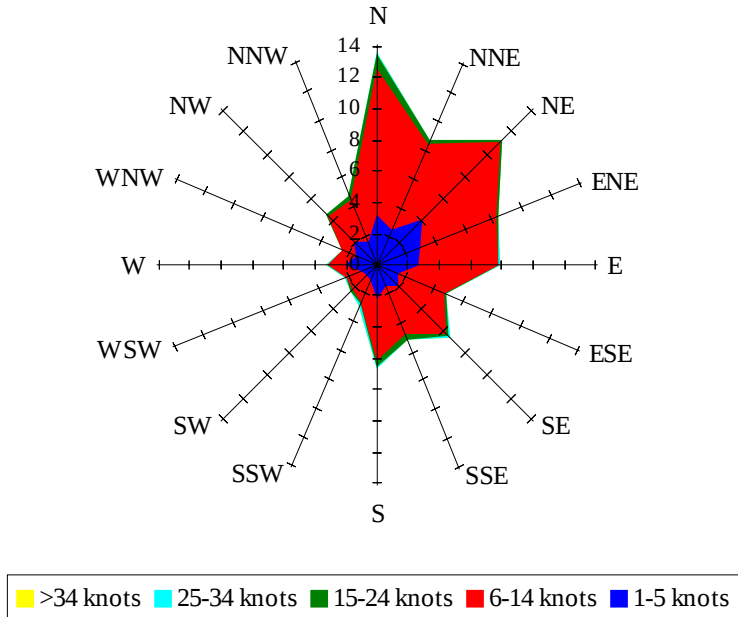
Labels of Percent Frequency on North Axis



Percent Calm = 8.04

Wind Summary - September, October, and November

Labels of Percent Frequency on North Axis



Percent Calm = 6.20