

BEAUFORT SC

Latitude = 32.48 N

Longitude = 80.72 W

Period of Record = 1973 to 1996

WMO No. 722085

Elevation = 39 feet

Average Pressure = 29.98 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	99	78	113	6.5	W
0.4% Occurrence	95	78	119	6.5	W
1.0% Occurrence	93	78	118	6.4	W
2.0% Occurrence	91	77	118	6.6	S
Mean Daily Range	18	-	-	-	-
97.5% Occurrence	34	31	20	4.9	W
99.0% Occurrence	30	27	16	4.3	N
99.6% Occurrence	26	23	13	4.7	WNW
Median of Extreme Lows	21	19	9	6.7	WNW
	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	92	152	6.8	S
0.4% Occurrence	81	90	141	6.4	S
1.0% Occurrence	80	89	137	6.4	S
2.0% Occurrence	79	87	133	6.3	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	167	87	1.11	6.0	SSE
0.4% Occurrence	146	85	0.97	6.0	S
1.0% Occurrence	141	84	0.94	5.8	S
2.0% Occurrence	136	83	0.90	5.4	S
Air Conditioning/ Humid Area Criteria	# of Hours	T ≥ 93°F	T ≥ 80°F	T _{wb} ≥ 73°F	T _{wb} ≥ 67°F
		95	1636	1966	3464

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
11	4.3	120	6.7 + 1.7
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 (#)
68.4	N/A	N/A	17

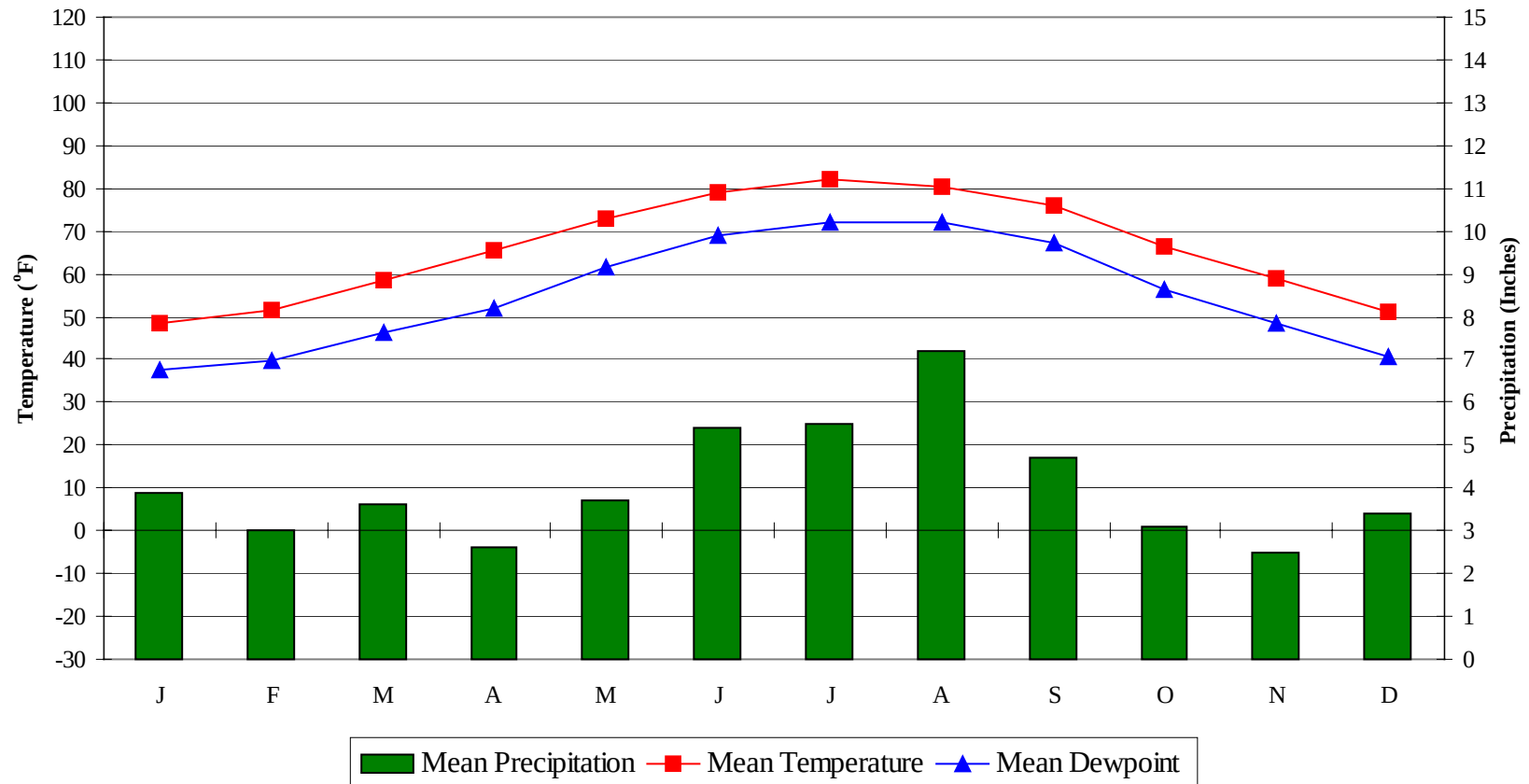
*Note: Temperatures at greater depths can be estimated by adding 1.5°F per 100 feet additional depth.

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Average Annual Climate

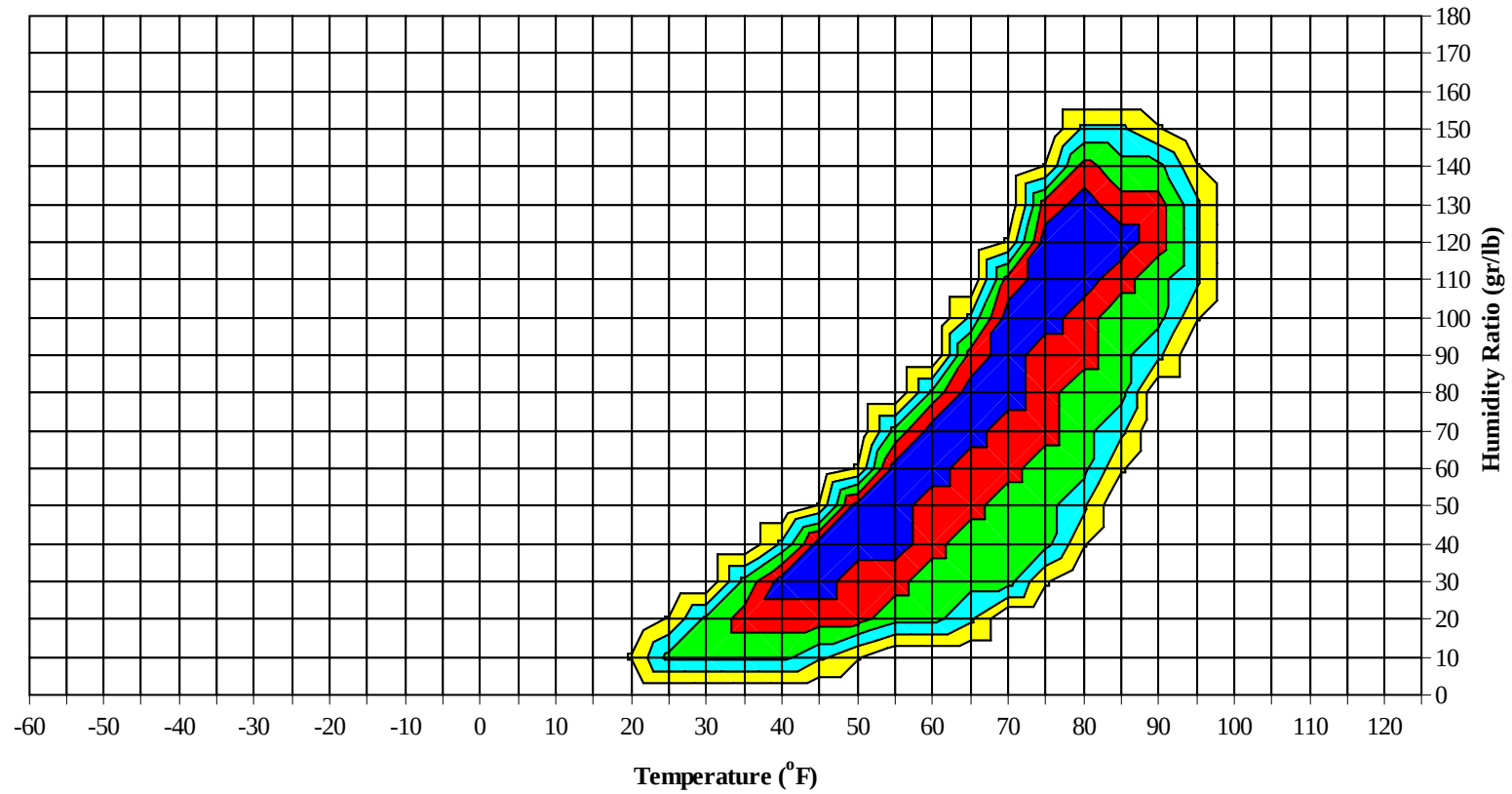


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Long Term Psychrometric Summary



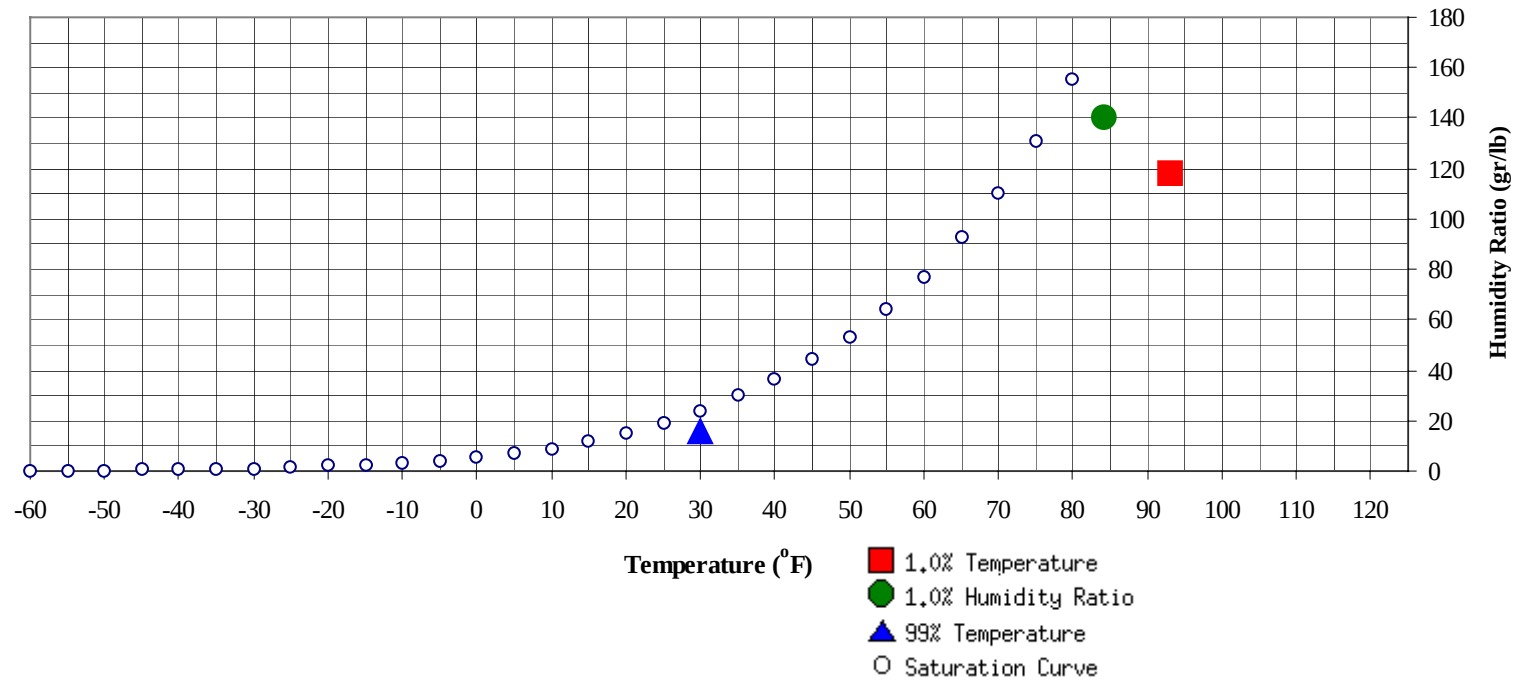
- 50% of all observations
- 80% of all observations
- 95% of all observations
- 97.5% of all observations
- 99% of all observations

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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	15.9	9.6		140.7	84.2	78.9	77	42.3

1.0% Dry Bulb	(°F)	MCHR (gr/lb)	MCWB (°F)	Enthalpy (btu/lb)
	93	118.1	77.7	40.9

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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		
105 / 109															
100 / 104															
95 / 99															
90 / 94															
85 / 89							0		0	68.0		0		0	70.0
80 / 84		0		0	66.3		1	0	1	64.3		1	0	1	69.1
75 / 79		5	0	5	65.6		9	1	10	64.9		9	1	10	65.4
70 / 74	0	10	2	12	62.8		22	6	28	60.4		28	6	34	64.0
65 / 69	5	23	12	40	60.6	7	31	19	57	59.3	3	43	19	65	61.8
60 / 64	20	33	25	78	56.6	22	33	37	92	56.1	21	49	43	113	59.7
55 / 59	19	38	34	92	51.5	26	34	35	95	51.1	48	46	59	153	56.6
50 / 54	28	42	45	116	46.8	29	30	37	96	46.4	43	31	48	122	51.6
45 / 49	43	39	46	129	42.5	35	27	35	97	42.1	45	18	33	96	47.0
40 / 44	39	27	33	99	37.8	35	27	35	97	42.1	35	14	21	70	42.6
35 / 39	37	17	27	81	33.1	37	19	27	83	37.8	29	6	12	47	38.1
30 / 34	31	8	15	54	28.7	30	11	16	57	33.4	15	2	4	21	33.4
25 / 29	19	3	6	28	24.3	20	4	8	32	28.8	5	0	1	6	28.8
20 / 24	5	1	1	7	19.9	14	1	3	18	24.8	2	0	1	3	24.7
15 / 19	2	0	0	2	14.9	3	0		3	20.7	1	0		1	21.8
10 / 14	0	0	0	0	10.0										
5 / 9	0	0	0	0	4.8										

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		
105 / 109												0	0	0	77.0
100 / 104												1	0	1	78.2
95 / 99							1	0	1	75.6		8	1	9	77.7
90 / 94		1	0	1	68.8	0	10	1	11	73.3		34	7	41	76.4
85 / 89		8	1	9	68.0	0	38	6	44	71.9	1	77	23	101	75.2
80 / 84		29	4	33	66.8	3	78	26	107	70.2	21	75	63	159	73.8
75 / 79	1	56	18	75	64.9	26	69	66	161	68.7	90	30	90	210	72.2
70 / 74	17	55	50	123	62.9	76	36	83	195	66.4	87	11	47	145	69.1
65 / 69	49	45	69	164	60.3	71	12	43	126	62.8	32	2	8	42	64.5
60 / 64	54	27	46	128	56.1	39	4	15	58	57.8	8	1	2	11	59.2
55 / 59	48	12	30	90	51.7	22	1	6	29	53.1	1	0	0	1	55.3
50 / 54	38	5	15	58	47.4	11	0	1	12	49.1	0			0	50.6
45 / 49	20	1	5	26	42.9	1		0	1	46.0					
40 / 44	10	0	1	11	38.2	0			0	39.5					
35 / 39	2		0	2	34.0										
30 / 34	0			0	29.7										
25 / 29															
20 / 24															
15 / 19															
10 / 14															
5 / 9															

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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		
105 / 109		0		0	80.0										
100 / 104		1	0	1	78.6		0		0	80.5					
95 / 99		18	2	20	78.9		7	1	8	78.6		2		2	77.5
90 / 94	0	68	14	82	78.0		52	6	58	77.9		19	1	20	77.2
85 / 89	3	89	46	138	76.9		93	33	127	76.7	0	59	11	70	75.4
80 / 84	54	51	96	201	75.5	32	63	92	188	75.6	6	75	50	131	73.8
75 / 79	137	17	73	227	73.4	133	26	88	247	73.6	64	50	90	203	72.0
70 / 74	50	3	16	69	70.7	71	6	25	102	70.3	101	24	57	182	68.8
65 / 69	4	0	1	5	66.0	10	1	2	13	64.7	42	9	22	73	63.4
60 / 64						1	0	0	1	57.5	18	2	7	27	58.0
55 / 59						0	0	0	0	53.1	8	1	2	11	53.8
50 / 54											1			1	49.1
45 / 49											0			0	
40 / 44															
35 / 39															
30 / 34															
25 / 29															
20 / 24															
15 / 19															
10 / 14															
5 / 9															

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 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															
90 / 94		1	0	1	77.0										
85 / 89		9	1	10	72.7		0		0	70.0					
80 / 84	1	44	7	52	71.1		7	0	7	69.7		0		0	70.0
75 / 79	10	58	31	99	68.8	1	36	4	41	67.2		10	0	10	67.0
70 / 74	32	58	58	148	65.6	12	44	27	83	64.9	2	19	6	27	64.3
65 / 69	50	37	56	143	61.6	28	44	43	115	61.5	10	29	18	57	60.8
60 / 64	50	25	44	119	57.2	36	36	44	116	56.8	18	37	31	86	56.5
55 / 59	45	11	28	84	52.6	36	34	39	109	51.5	27	41	39	107	51.9
50 / 54	31	3	16	50	48.1	34	21	33	88	47.0	36	43	44	123	47.0
45 / 49	21	1	7	29	43.9	34	12	26	72	42.6	40	33	44	117	42.4
40 / 44	8	0	1	9	39.8	30	5	17	52	38.6	39	20	31	90	37.8
35 / 39	1	0	0	1	36.0	23	1	6	30	34.2	31	11	21	63	33.5
30 / 34	0			0	31.0	6	0	1	7	30.3	29	4	10	43	29.0
25 / 29						1			1	26.3	10	1	3	14	24.8
20 / 24											2	0	1	3	19.5
15 / 19											1	0	1	2	15.8
10 / 14											1	0		1	10.2
5 / 9											0			0	

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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		
105 / 109		0	0	0	77.8
100 / 104		3	0	3	78.5
95 / 99		36	4	40	78.5
90 / 94	0	185	30	215	77.3
85 / 89	5	374	121	500	75.6
80 / 84	116	432	338	886	73.6
75 / 79	459	392	466	1317	71.0
70 / 74	449	332	395	1176	66.6
65 / 69	332	283	337	952	61.4
60 / 64	314	245	312	871	56.7
55 / 59	276	204	260	740	51.8
50 / 54	254	163	225	642	47.0
45 / 49	231	127	184	542	42.5
40 / 44	192	77	122	391	38.0
35 / 39	140	41	75	256	33.5
30 / 34	93	16	36	145	28.9
25 / 29	46	6	12	64	24.6
20 / 24	11	2	2	15	20.1
15 / 19	3	1	1	5	15.3
10 / 14	1	0	0	1	10.2
5 / 9	0	0	0	0	4.8

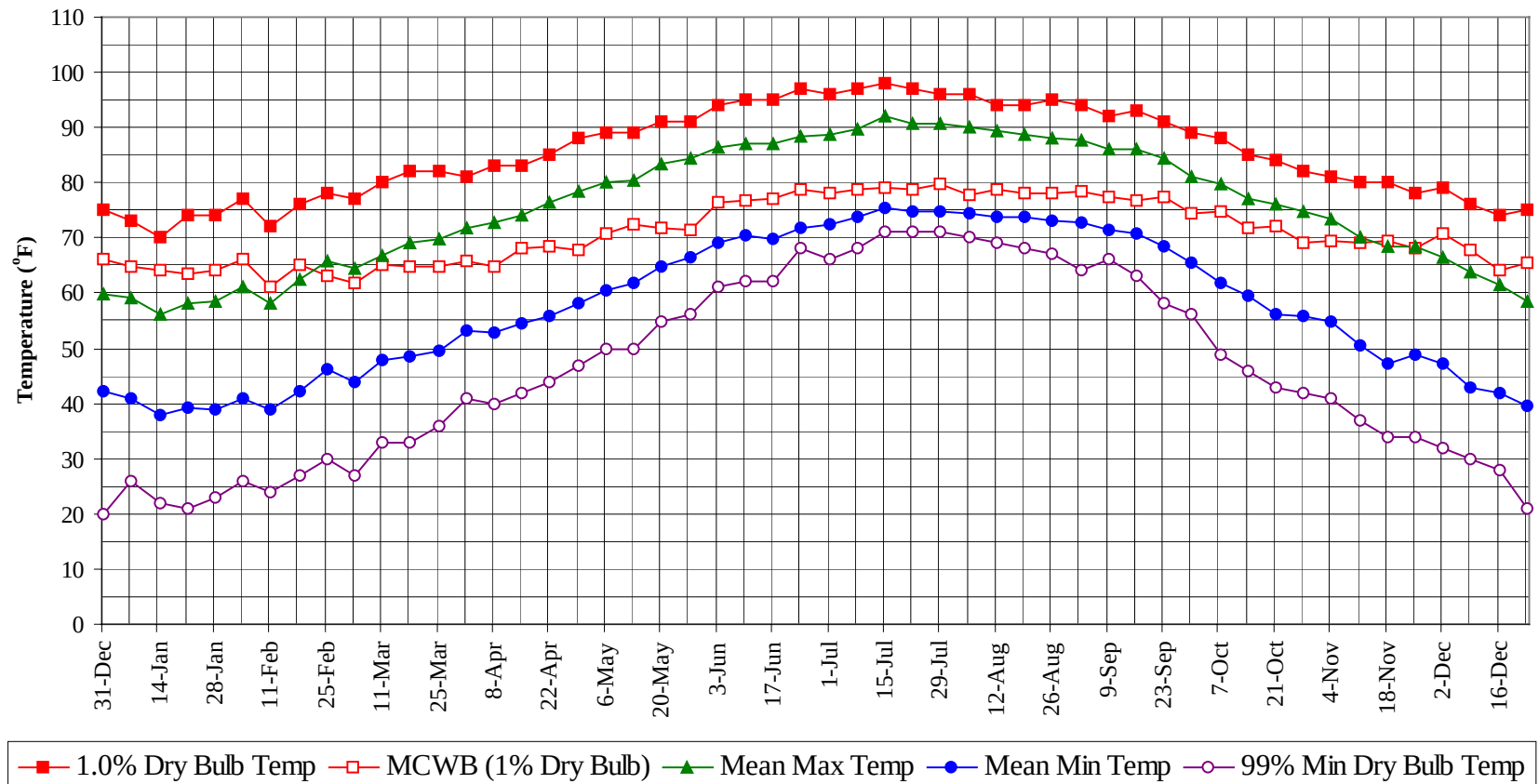
Caution: This summary reflects the typical distribution of temperature in a typical year. It does not reflect the typical moisture distribution. Because wet bulb temperatures are averaged, this summary understates the annual moisture load. For accurate moisture load data, see the long-term humidity summary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

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Annual Summary of Temperatures

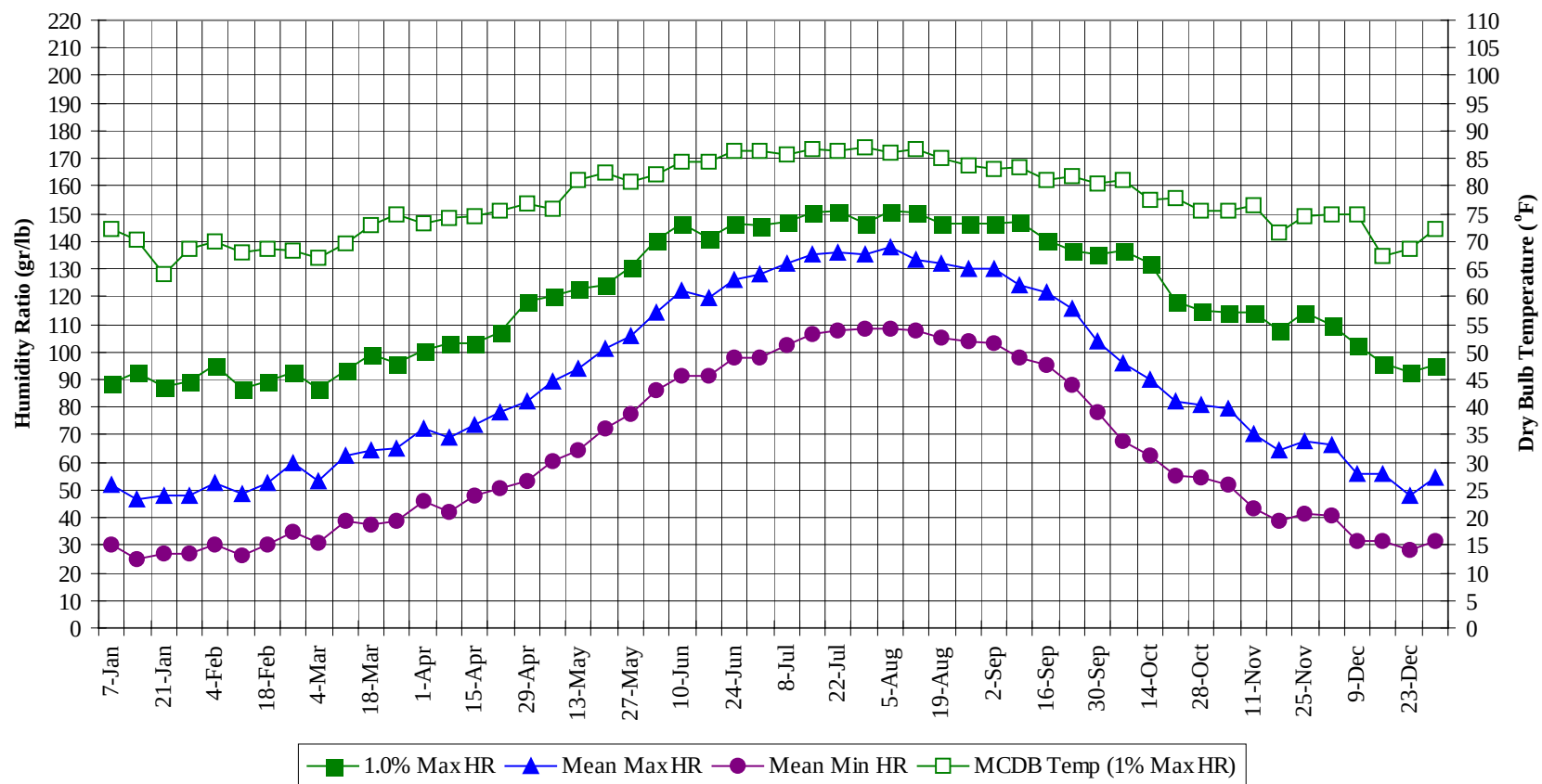


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Long Term Humidity and Dry Bulb Temperature Summary



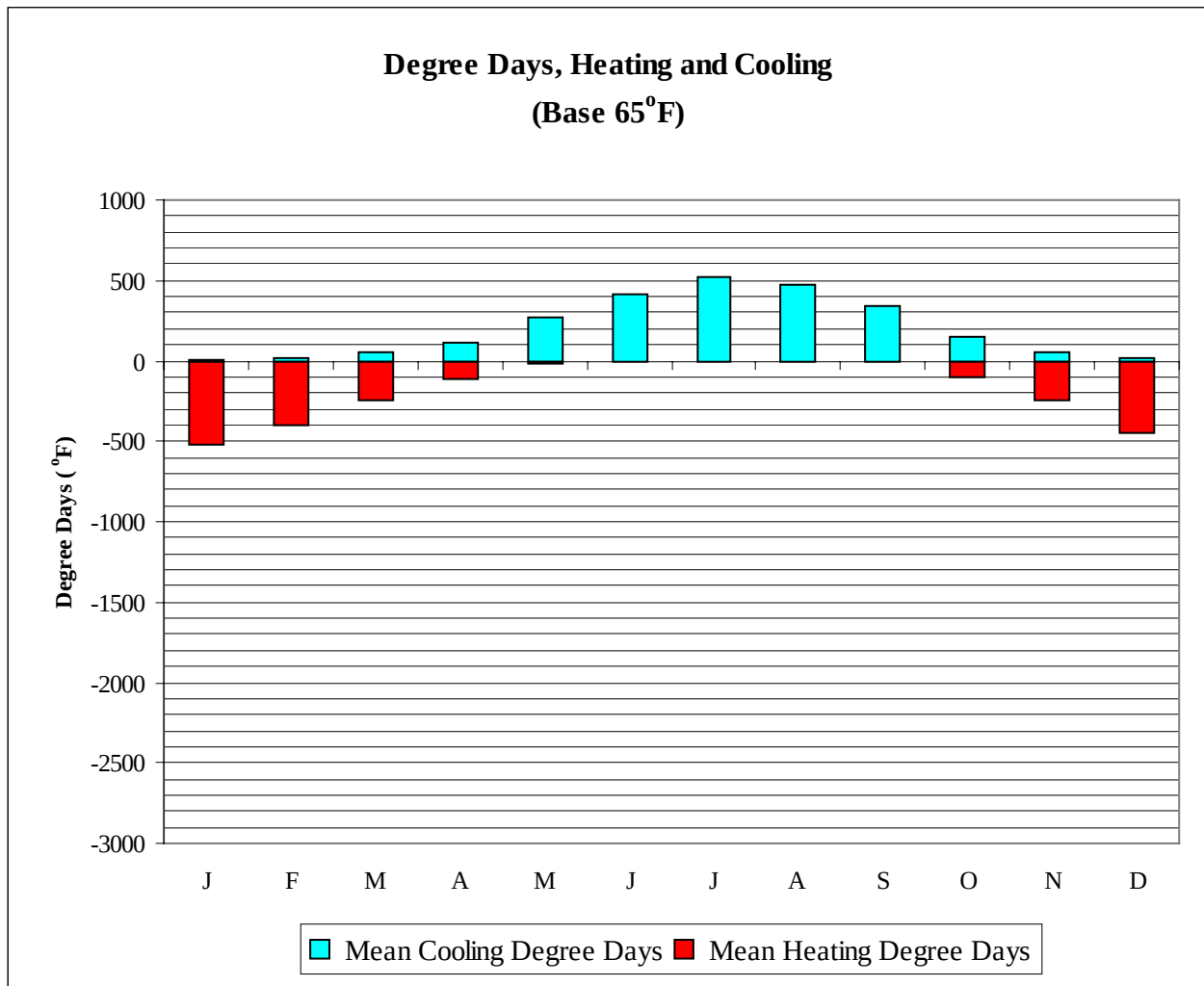
BEAUFORT**SC****WMO No. 722085****Long Term Dry Bulb Temperature and Humidity Summary**

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	64.6	59.2	40.8	26.0	88.9	72.2	52.0	30.5
14-Jan	70.0	64.0	56.0	37.9	22.0	92.4	70.4	46.3	25.2
21-Jan	74.0	63.5	58.1	39.1	21.0	87.5	63.9	48.0	27.2
28-Jan	74.0	64.2	58.5	39.0	23.0	89.6	68.5	47.9	26.7
4-Feb	77.0	66.2	61.2	40.8	26.0	95.2	70.1	52.4	30.0
11-Feb	72.0	61.1	58.3	38.9	24.0	86.8	67.8	48.3	26.6
18-Feb	76.0	65.0	62.4	42.1	27.0	89.6	68.8	52.3	30.5
25-Feb	78.0	63.3	65.7	46.1	30.0	92.4	68.3	59.5	34.6
4-Mar	77.0	61.9	64.5	43.7	27.0	86.8	67.1	53.4	31.0
11-Mar	80.0	65.3	66.9	47.9	33.0	93.1	69.7	62.3	38.9
18-Mar	82.0	64.6	69.1	48.6	33.0	99.4	72.8	64.4	37.7
25-Mar	82.0	64.9	69.8	49.7	36.0	95.9	75.0	64.9	38.6
1-Apr	81.0	65.6	71.8	53.2	41.0	100.8	73.2	72.5	46.0
8-Apr	83.0	64.7	72.7	52.8	40.0	102.9	74.3	68.7	42.0
15-Apr	83.0	68.0	74.1	54.6	42.0	102.9	74.6	73.7	47.9
22-Apr	85.0	68.4	76.6	55.7	44.0	107.1	75.7	78.5	50.4
29-Apr	88.0	67.8	78.5	58.2	47.0	118.3	76.7	81.8	53.2
6-May	89.0	70.9	80.0	60.3	50.0	120.4	75.8	89.6	60.4
13-May	89.0	72.6	80.6	61.8	50.0	122.5	81.2	93.9	64.3
20-May	91.0	71.9	83.3	64.7	55.0	123.9	82.3	100.9	72.0
27-May	91.0	71.6	84.4	66.5	56.0	130.9	80.8	106.0	77.5
3-Jun	94.0	76.4	86.3	69.1	61.0	140.7	82.2	114.3	85.9
10-Jun	95.0	76.6	87.1	70.5	62.0	146.3	84.5	122.2	91.2
17-Jun	95.0	77.2	87.1	70.0	62.0	141.4	84.5	119.6	91.1
24-Jun	97.0	78.8	88.6	71.9	68.0	146.3	86.5	126.0	97.6
1-Jul	96.0	77.9	88.7	72.6	66.0	145.6	86.3	128.2	97.6
8-Jul	97.0	78.7	89.8	73.8	68.0	147.0	85.7	131.8	102.3
15-Jul	98.0	79.0	92.0	75.4	71.0	150.5	86.7	135.5	106.1
22-Jul	97.0	78.9	90.8	74.8	71.0	151.2	86.3	135.9	107.6
29-Jul	96.0	79.8	90.6	74.7	71.0	146.3	87.1	135.5	108.3
5-Aug	96.0	77.6	90.2	74.5	70.0	151.2	85.9	137.7	108.4
12-Aug	94.0	78.7	89.3	73.9	69.0	150.5	86.8	133.5	107.4
19-Aug	94.0	78.1	88.9	73.7	68.0	146.3	85.1	131.7	104.8
26-Aug	95.0	78.1	88.1	73.2	67.0	146.3	83.6	130.2	103.5
2-Sep	94.0	78.4	87.9	72.8	64.0	146.3	83.0	130.0	102.9
9-Sep	92.0	77.5	85.9	71.6	66.0	147.0	83.3	123.9	98.1
16-Sep	93.0	76.7	86.1	70.9	63.0	140.7	81.2	121.7	95.3
23-Sep	91.0	77.5	84.5	68.4	58.0	136.5	81.8	115.6	88.2
30-Sep	89.0	74.4	81.0	65.5	56.0	135.1	80.5	103.6	78.1
7-Oct	88.0	74.7	79.8	61.9	49.0	136.5	81.3	95.8	67.5
14-Oct	85.0	71.9	77.1	59.4	46.0	132.3	77.3	90.1	62.6
21-Oct	84.0	72.2	76.1	56.1	43.0	118.3	77.9	82.0	54.9
28-Oct	82.0	69.2	74.8	55.7	42.0	114.8	75.5	80.7	54.7
4-Nov	81.0	69.5	73.4	54.9	41.0	114.1	75.4	79.4	52.1
11-Nov	80.0	69.2	70.2	50.5	37.0	114.1	76.5	70.6	43.3
18-Nov	80.0	69.5	68.3	47.1	34.0	107.8	71.5	64.1	38.8
25-Nov	78.0	68.2	68.6	48.8	34.0	114.1	74.7	67.5	41.5
2-Dec	79.0	70.8	66.3	47.3	32.0	109.9	74.9	66.0	40.5
9-Dec	76.0	67.7	63.8	42.8	30.0	102.2	74.7	56.1	31.7
16-Dec	74.0	64.2	61.6	41.9	28.0	95.9	67.2	56.0	31.2
23-Dec	75.0	65.4	58.5	39.5	21.0	92.4	68.5	48.1	28.1
31-Dec	75.0	66.2	59.9	42.0	20.0	95.2	72.2	54.8	31.5

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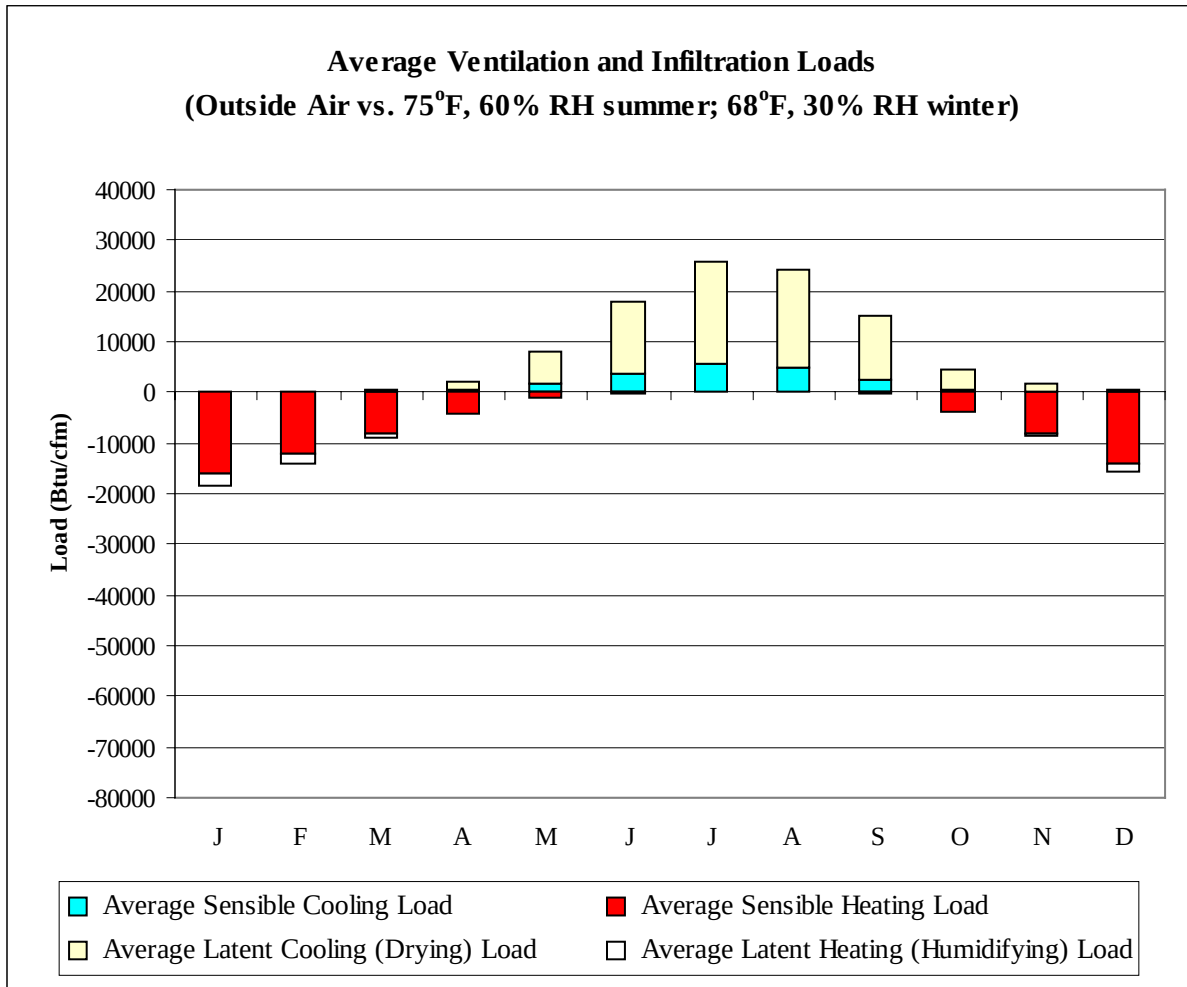


	Mean Cooling Degree Days (°F)	Mean Heating Degree Days (°F)
JAN	9	526
FEB	18	396
MAR	51	247
APR	118	108
MAY	275	23
JUN	417	2
JUL	524	0
AUG	479	0
SEP	342	7
OCT	148	99
NOV	57	244
DEC	17	453
ANN	2455	2105

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	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	10	-15928	164	-2327
FEB	25	-12236	171	-1702
MAR	149	-8249	559	-803
APR	514	-4015	1399	-259
MAY	1853	-1056	6321	-5
JUN	3880	-114	14089	0
JUL	5745	-2	20212	0
AUG	4756	-24	19418	0
SEP	2631	-384	12653	0
OCT	686	-3687	3898	-55
NOV	114	-7998	1403	-624
DEC	16	-13929	368	-1753
ANN	20379	-67622	80655	-7528

Average Annual Solar Radiation – Nearest Available Site

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

City: SAVANNAH
 State: GA
 WBAN No: 3822
 Lat(N): 32.13
 Long(W): 81.2
 Elev(ft): 52

Stn Type: Primary
 SHADING GEOMETRY IN DIMENSIONLESS UNITS
 Window: 1
 Overhang: 0.963
 Vert Gap: 0.658

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	880	1120	1480	1850	1970	1990	1920	1740	1490	1290	980	810	1460
	Std Dev	69	98	102	122	150	130	117	129	133	117	82	69	34
	Minimum	770	870	1290	1600	1520	1720	1620	1450	1170	980	710	640	1390
	Maximum	1040	1340	1640	2160	2200	2210	2180	2000	1740	1470	1120	920	1540
	Diffuse	380	470	590	700	850	920	940	870	740	520	400	350	640
Clear Day	Global	1210	1540	1940	2310	2510	2560	2490	2300	1990	1590	1240	1100	1900
NORTH	Global	250	300	380	460	570	630	600	510	420	340	270	230	410
	Diffuse	250	300	380	450	520	540	530	490	420	340	270	230	390
Clear Day	Global	230	280	350	430	580	680	630	490	390	320	240	210	400
EAST	Global	550	680	860	1050	1070	1060	1050	980	860	780	620	510	840
	Diffuse	300	370	470	560	630	650	650	610	530	420	330	280	480
Clear Day	Global	820	1000	1170	1320	1360	1350	1320	1260	1150	990	820	750	1110
SOUTH	Global	1170	1190	1130	940	730	640	670	790	970	1220	1240	1170	990
	Diffuse	390	450	510	540	560	550	560	570	560	500	430	380	500
Clear Day	Global	1980	1910	1610	1150	810	680	730	990	1380	1720	1880	1930	1390
WEST	Global	560	690	850	1030	1040	1010	950	900	830	760	610	520	810
	Diffuse	300	370	470	560	630	650	640	600	530	420	330	280	480
Clear Day	Global	820	1000	1170	1320	1360	1350	1320	1260	1150	990	820	750	1110

Average Annual Solar Heat and Illumination – Nearest Available Site

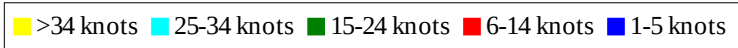
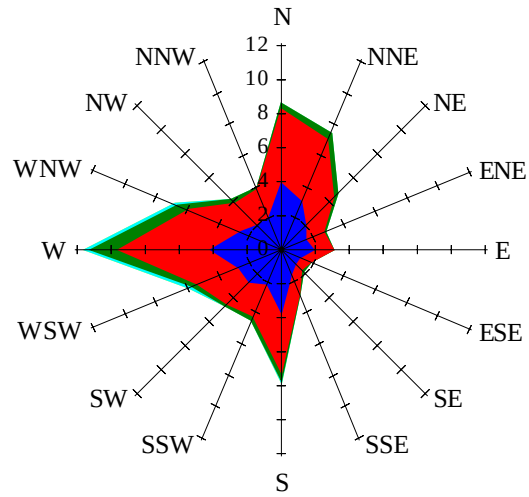
(Source: National Renewable Energy Laboratory, Golden CO, 1995)

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	600	790	1060	1340	1430	1450	1390	1260	1070	920	670	540	1040
NORTH	Unshaded	170	210	260	310	370	410	390	340	290	240	180	160	280
	Shaded	150	180	230	280	320	340	330	290	250	210	160	140	240
EAST	Unshaded	380	480	610	750	760	760	740	700	610	550	430	350	590
	Shaded	320	400	500	600	610	600	590	560	490	450	360	300	480
SOUTH	Unshaded	870	850	750	580	440	400	420	490	630	850	910	870	670
	Shaded	820	680	410	320	330	330	340	340	340	590	820	840	510
WEST	Unshaded	390	490	610	730	740	710	670	640	590	540	420	360	570
	Shaded	330	410	500	590	590	570	530	510	480	450	360	300	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	76	91	78	39	36	78	102	99	73
	M.Cloudy	22	50	60	51	25	26	57	77	76	51
NORTH	M.Clear	9	14	16	15	10	23	17	18	18	17
	M.Cloudy	9	16	18	16	10	15	18	20	20	17
EAST	M.Clear	74	66	18	15	10	64	76	41	18	17
	M.Cloudy	28	38	19	16	10	33	49	35	20	17
SOUTH	M.Clear	31	63	75	64	33	11	19	33	32	18
	M.Cloudy	15	37	45	38	18	10	19	29	29	17
WEST	M.Clear	9	14	16	63	75	11	17	18	45	75
	M.Cloudy	9	16	18	38	33	10	18	20	37	45
M.Clear	(% hrs)	41	39	37	36	36	39	39	33	31	34
		Sept					Dec				
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	21	65	89	85	55	17	50	61	45	11
	M.Cloudy	14	43	64	62	38	10	30	37	28	7
NORTH	M.Clear	8	15	18	18	15	6	11	12	10	4
	M.Cloudy	6	16	19	19	14	5	11	13	11	3
EAST	M.Clear	48	73	39	18	15	46	49	12	10	4
	M.Cloudy	18	40	31	19	14	14	23	13	11	3
SOUTH	M.Clear	13	46	65	62	38	37	79	91	75	26
	M.Cloudy	8	28	44	43	24	12	33	40	32	9
WEST	M.Clear	8	15	18	46	70	6	11	16	53	36
	M.Cloudy	6	16	19	35	38	5	11	14	25	11
M.Clear	(% hrs)	39	37	30	28	33	36	38	37	37	38

Wind Summary - December, January, and February

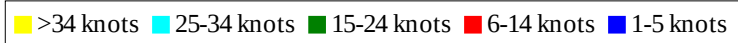
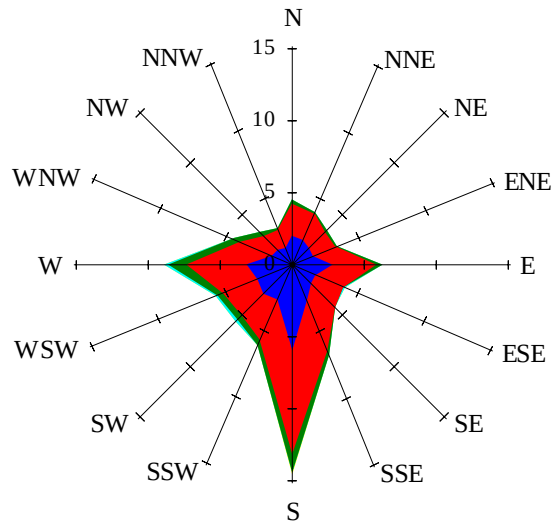
Labels of Percent Frequency on North Axis



Percent Calm = 18.62

Wind Summary - March, April, and May

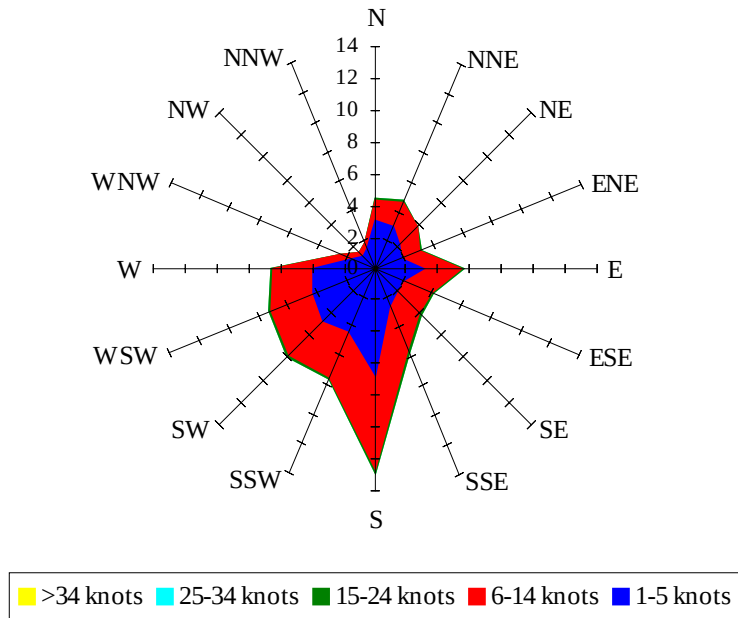
Labels of Percent Frequency on North Axis



Percent Calm = 14.81

Wind Summary - June, July, and August

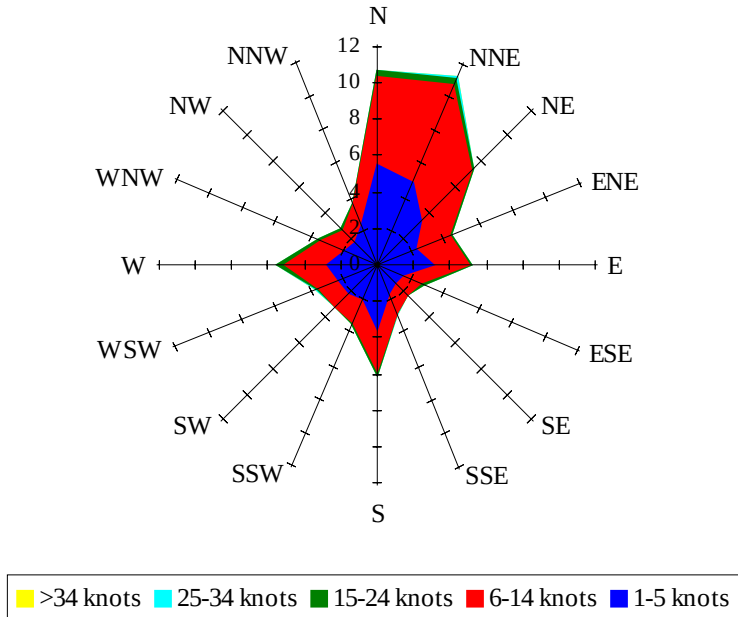
Labels of Percent Frequency on North Axis



Percent Calm = 17.33

Wind Summary - September, October, and November

Labels of Percent Frequency on North Axis



Percent Calm = 21.95