MONTGOMERY/DANNELLY AL	
Latitude = 32.30 N	WMO No. 722260
Longitude = 86.40 W	Elevation = 203 feet
Period of Record = 1973 to 1996	Average Pressure = 29.82 inches Hg

Design Criteria Data

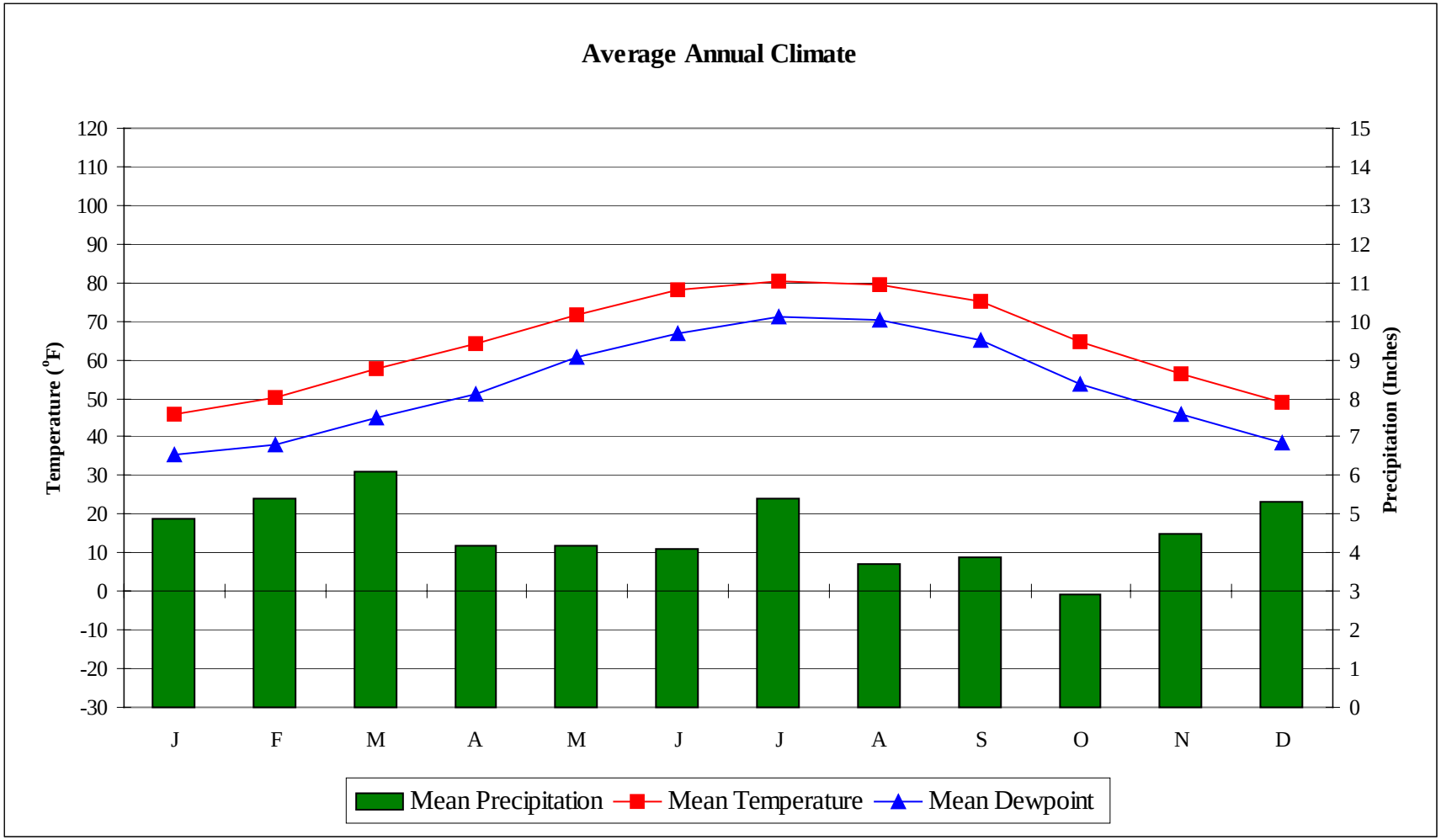
		Mean Coincident (Average) Values			
Dry Bulb Temperature (T)	**Design Value (^oF)**	Wet Bulb Temperature (^oF)	Humidity Ratio (gr/lb)	Wind Speed (mph)	Prevailing Direction (NSEW)
Median of Extreme Highs	99	77	107	7.7	W
0.4% Occurrence	96	77	108	7.3	W
1.0% Occurrence	93	76	109	7.1	W
2.0% Occurrence	92	76	110	7.1	W
Mean Daily Range	21	-	-	-	-
97.5% Occurrence	31	28	18	5.8	N
99.0% Occurrence	27	24	14	5.6	N
99.6% Occurrence	24	22	12	6.0	N
Median of Extreme Lows	18	16	8	8.0	N
		Mean Coincident (Average) Values			
Wet Bulb Temperature (T_{wb})	**Design Value (^oF)**	Dry Bulb Temperature (^oF)	Humidity Ratio (gr/lb)	Wind Speed (mph)	Prevailing Direction (NSEW)
Median of Extreme Highs	82	94	141	7.2	W
0.4% Occurrence	79	89	130	6.8	W
1.0% Occurrence	79	89	130	6.8	W
2.0% Occurrence	78	88	126	6.7	W
		Mean Coincident (Average) Values			
Humidity Ratio (HR)	**Design Value (gr/lb)**	Dry Bulb Temperature (^oF)	Vapor Pressure (in. Hg)	Wind Speed (mph)	Prevailing Direction (NSEW)
Median of Extreme Highs	151	87	1.00	5.3	SW
0.4% Occurrence	137	84	0.90	5.9	S
1.0% Occurrence	132	83	0.88	5.8	W
2.0% Occurrence	132	83	0.88	5.8	W
Air Conditioning/		$T \geq 93^oF$	$T \geq 80^oF$	$T_{wb} \geq 73^oF$	$T_{wb} \geq 67^oF$
Humid Area Criteria	# of Hours	124	1484	1477	3183

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^oF-RH 60% Latent + Sensible
11	4.2	90	5.4 + 1.6
Ground Water Temperature (^oF) 50 Foot Depth *	Frost Depth 50 Year Recurrence (in.)	Ground Snow Load 50 Year Recurrence (lb/ft^2)	Average Annual Freeze-Thaw Cycles (#)
66.9	5	4	27

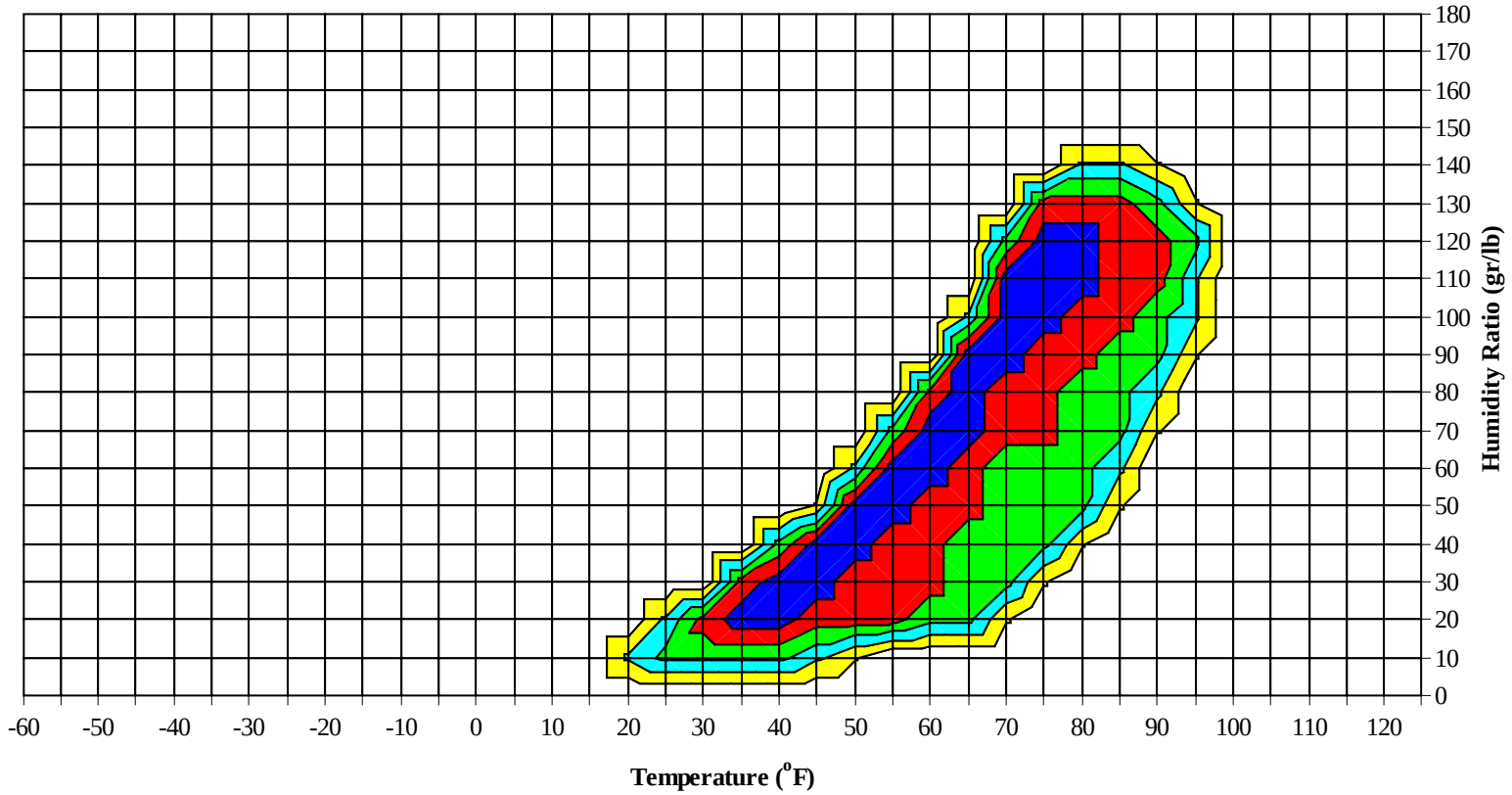
*Note: Temperatures at greater depths can be estimated by adding 1.5^oF per 100 feet additional depth.

MONTGOMERY/DANNELLY AL WMO No. 722260



MONTGOMERY/DANNELLY AL WMO No. 722260

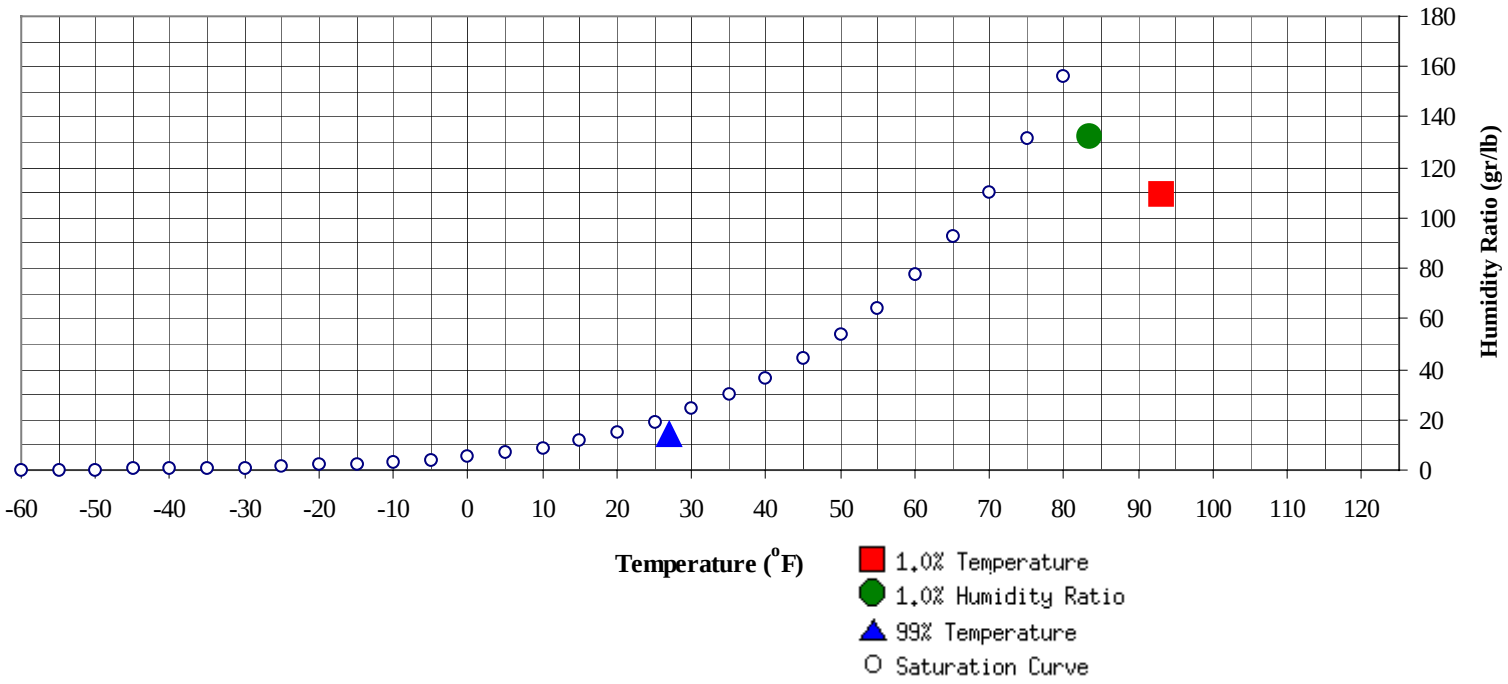
Long Term Psychrometric Summary



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

MONTGOMERY/DANNELLY AL WMO No. 722260

Psychrometric Summary of Peak Design Values



	(°F)	MCHR (gr/lb)	Enthalpy (btu/lb)
99% Dry Bulb	27	14	8.6

	(gr/lb)	MCDB (°F)	MCWB (°F)	MC Dewpt (°F)	Enthalpy (btu/lb)
1.0% Humidity Ratio	132.3	83.3	77.3	75	40.7

	(°F)	MCHR (gr/lb)	MCWB (°F)	Enthalpy (btu/lb)
1.0% Dry Bulb	93	109.2	76.2	39.5

MONTGOMERY/DANNELLY AL WMO No. 722260

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

Period of Record = 1973 to 1996

Temperature Range (°F)	January Hour Group (LST) 01 To 08	09 To 16	17 To 00	Total Obs	MCWB (°F)	February Hour Group (LST) 01 To 08	09 To 16	17 To 00	Total Obs	MCWB (°F)	March Hour Group (LST) 01 To 08	09 To 16	17 To 00	Total Obs	MCWB (°F)
100 / 104															
95 / 99															
90 / 94															
85 / 89												1	0	1	68.6
80 / 84							1	0	1	67.1		15	2	17	65.1
75 / 79		3	0	3	65.7		6	1	7	63.4	0	31	9	40	63.0
70 / 74	0	9	2	11	62.7	0	20	6	26	61.1	5	38	22	65	61.4
65 / 69	4	18	7	29	59.3	7	30	17	54	58.6	17	42	39	98	58.8
60 / 64	12	29	18	59	56.5	16	34	28	78	55.4	33	43	48	124	55.6
55 / 59	16	36	27	79	51.7	21	32	31	84	51.1	39	31	44	114	51.5
50 / 54	26	46	42	114	47.3	28	32	34	94	46.3	46	24	39	109	47.1
45 / 49	32	37	42	111	42.7	31	29	36	96	42.4	41	14	24	79	42.8
40 / 44	34	32	40	106	37.8	36	20	32	88	37.8	30	6	15	51	38.2
35 / 39	39	20	35	94	33.2	32	12	22	66	33.1	24	2	6	32	34.0
30 / 34	44	12	23	79	29.1	30	5	13	48	28.7	8	1	1	10	29.6
25 / 29	26	5	10	41	24.4	17	2	3	22	24.4	2	0	1	3	24.2
20 / 24	11	1	2	14	19.9	5	1	0	6	20.2	1	0	0	1	20.6
15 / 19	3	1	1	5	15.0	1	0	0	1	15.1	0			0	17.3
10 / 14	1	0	0	1	10.2	0			0	11.1					
5 / 9	0	0	0	0	5.2										
0 / 4	0		0	0	0.3										

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.

MONTGOMERY/DANNELLY AL WMO No. 722260

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

Period of Record = 1973 to 1996

Temperature Range (°F)	April Hour Group (LST) 01 To 08	April 09 To 16	April 17 To 00	April Total Obs	April MCWB (°F)	May Hour Group (LST) 01 To 08	May 09 To 16	May 17 To 00	May Total Obs	May MCWB (°F)	June Hour Group (LST) 01 To 08	June 09 To 16	June 17 To 00	June Total Obs	June MCWB (°F)
100 / 104												1		1	78.1
95 / 99												9	2	11	75.8
90 / 94		0		0	68.0		7	0	7	73.4		50	9	59	74.6
85 / 89		8	1	9	68.5		47	9	56	71.6	1	81	26	108	73.5
80 / 84		41	8	49	66.5	1	74	23	98	69.4	14	60	43	117	72.4
75 / 79	1	50	18	69	64.3	12	59	43	114	67.6	49	27	70	146	71.3
70 / 74	11	52	40	103	62.4	50	39	74	164	66.3	106	10	70	186	69.1
65 / 69	37	45	55	137	60.0	82	18	59	160	63.3	49	1	18	68	64.6
60 / 64	47	26	50	124	56.5	52	3	26	81	58.6	17		3	20	59.7
55 / 59	49	12	34	95	52.3	31	0	10	41	54.0	4		0	4	55.2
50 / 54	44	5	20	69	48.2	14	0	3	17	49.8	0			0	51.0
45 / 49	29	2	9	40	43.9	5		0	5	45.7					
40 / 44	16	0	3	19	39.8	0			0	42.3					
35 / 39	6	0	0	6	35.8										
30 / 34	1	0	0	1	31.5										
25 / 29	0			0	28.5										
20 / 24															
15 / 19															
10 / 14															
5 / 9															
0 / 4															

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.

MONTGOMERY/DANNELLY AL WMO No. 722260

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

Period of Record = 1973 to 1996

Temperature Range (°F)	July Hour Group (LST) 01 To 08	July 09 To 16	July 17 To 00	July Total Obs	July MCWB (°F)	August Hour Group (LST) 01 To 08	August 09 To 16	August 17 To 00	August Total Obs	August MCWB (°F)	September Hour Group (LST) 01 To 08	September 09 To 16	September 17 To 00	September Total Obs	September MCWB (°F)
100 / 104		1	0	1	78.7		2		2	77.9					
95 / 99		18	2	20	77.5		14	1	15	77.3		5	0	5	74.7
90 / 94		72	16	88	76.8	0	65	10	75	76.5		35	3	38	74.5
85 / 89	2	83	28	113	76.0	1	89	26	116	75.6	0	65	12	77	73.5
80 / 84	22	47	51	120	75.0	14	53	52	119	74.7	3	63	27	93	71.7
75 / 79	86	21	97	203	73.2	77	18	100	195	73.1	31	39	73	143	70.9
70 / 74	125	5	54	184	70.7	132	5	55	192	70.4	103	21	75	199	68.7
65 / 69	12	0	1	13	66.3	21	1	5	27	65.6	54	7	28	89	63.8
60 / 64	1			1	62.1	3	0	0	3	61.1	27	4	17	48	58.9
55 / 59						0			0	57.3	14	0	5	19	54.7
50 / 54											6		1	7	50.3
45 / 49											2		0	2	46.2
40 / 44											0			0	43.3
35 / 39															
30 / 34															
25 / 29															
20 / 24															
15 / 19															
10 / 14															
5 / 9															
0 / 4															

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.

MONTGOMERY/DANNELLY AL WMO No. 722260

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

Period of Record = 1973 to 1996

Temperature Range (°F)	October Hour Group (LST) 01 To 08	October 09 To 16	October 17 To 00	October Total Obs	October MCWB (°F)	November Hour Group (LST) 01 To 08	November 09 To 16	November 17 To 00	November Total Obs	November MCWB (°F)	December Hour Group (LST) 01 To 08	December 09 To 16	December 17 To 00	December Total Obs	December MCWB (°F)
100 / 104															
95 / 99		0		0	75.0										
90 / 94		2		2	72.6										
85 / 89		18	1	19	70.6		0		0	72.2					
80 / 84	0	43	5	48	67.8		10	0	10	68.0		1		1	69.0
75 / 79	3	53	16	72	65.5	0	30	3	33	65.6	0	8	1	9	66.8
70 / 74	19	57	44	120	64.1	5	39	16	60	63.5	4	18	5	27	64.4
65 / 69	39	38	53	130	61.1	20	41	35	96	60.9	7	24	14	45	60.1
60 / 64	48	23	47	118	57.4	35	38	37	110	56.8	17	34	27	78	56.9
55 / 59	44	9	39	92	53.3	29	36	38	103	51.6	23	37	27	87	51.6
50 / 54	36	2	28	66	48.9	31	23	38	92	47.2	25	44	37	106	46.9
45 / 49	32	1	12	45	44.8	34	14	31	79	43.0	31	36	42	109	42.5
40 / 44	18	1	3	22	40.7	33	6	25	64	39.0	36	23	38	97	38.2
35 / 39	7	0	1	8	36.3	29	1	14	44	34.7	37	13	29	79	33.7
30 / 34	1		0	1	31.5	20	0	3	23	30.8	35	6	17	58	29.5
25 / 29						5	0	0	5	26.6	22	2	8	32	24.9
20 / 24						0			0	22.6	7	1	1	9	20.6
15 / 19											2	0	1	3	15.1
10 / 14											1	0	1	2	9.9
5 / 9											1			1	6.6
0 / 4															

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.

MONTGOMERY/DANNELLY AL WMO No. 722260

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

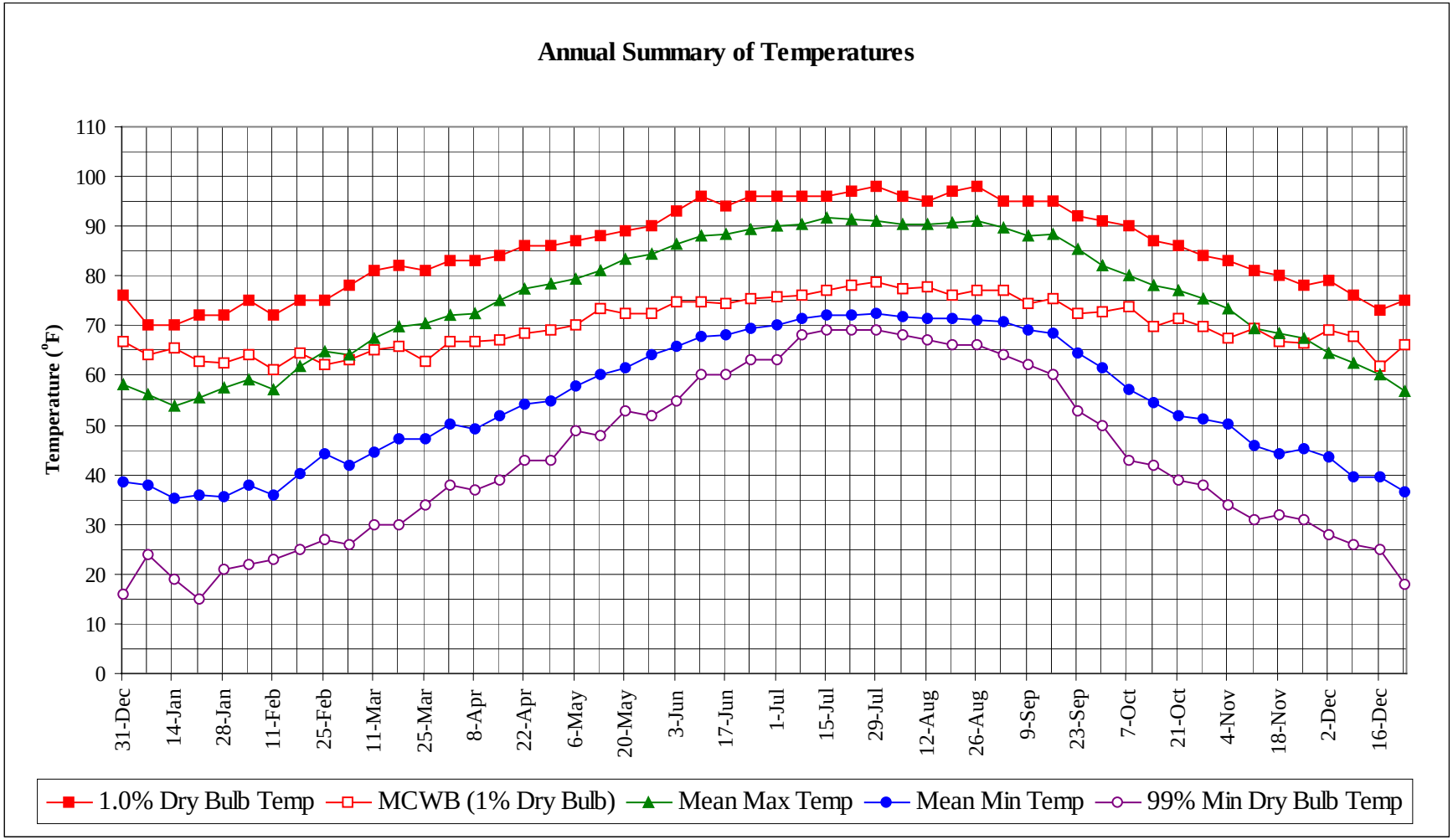
Period of Record = 1973 to 1996

Annual Totals

Temperature Range (°F)	Hour Group (LST) 01 To 08	09 To 16	17 To 00	Total Obs	MCWB (°F)
100 / 104		3	0	3	78.2
95 / 99		47	5	52	76.8
90 / 94	0	231	38	269	75.8
85 / 89	4	392	102	498	74.1
80 / 84	54	407	209	671	71.7
75 / 79	256	345	427	1029	70.1
70 / 74	558	313	459	1330	67.2
65 / 69	348	267	331	946	61.5
60 / 64	306	236	303	845	56.9
55 / 59	271	195	256	722	52.1
50 / 54	257	178	242	677	47.4
45 / 49	238	133	197	569	43.0
40 / 44	205	88	156	450	38.3
35 / 39	176	48	107	331	33.7
30 / 34	139	24	58	221	29.3
25 / 29	73	8	23	104	24.7
20 / 24	25	3	4	32	20.2
15 / 19	5	1	2	8	15.1
10 / 14	2	0	1	3	10.2
5 / 9	1	0	0	1	6.0
0 / 4	0		0	0	0.3

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.

MONTGOMERY/DANNELLY AL WMO No. 722260



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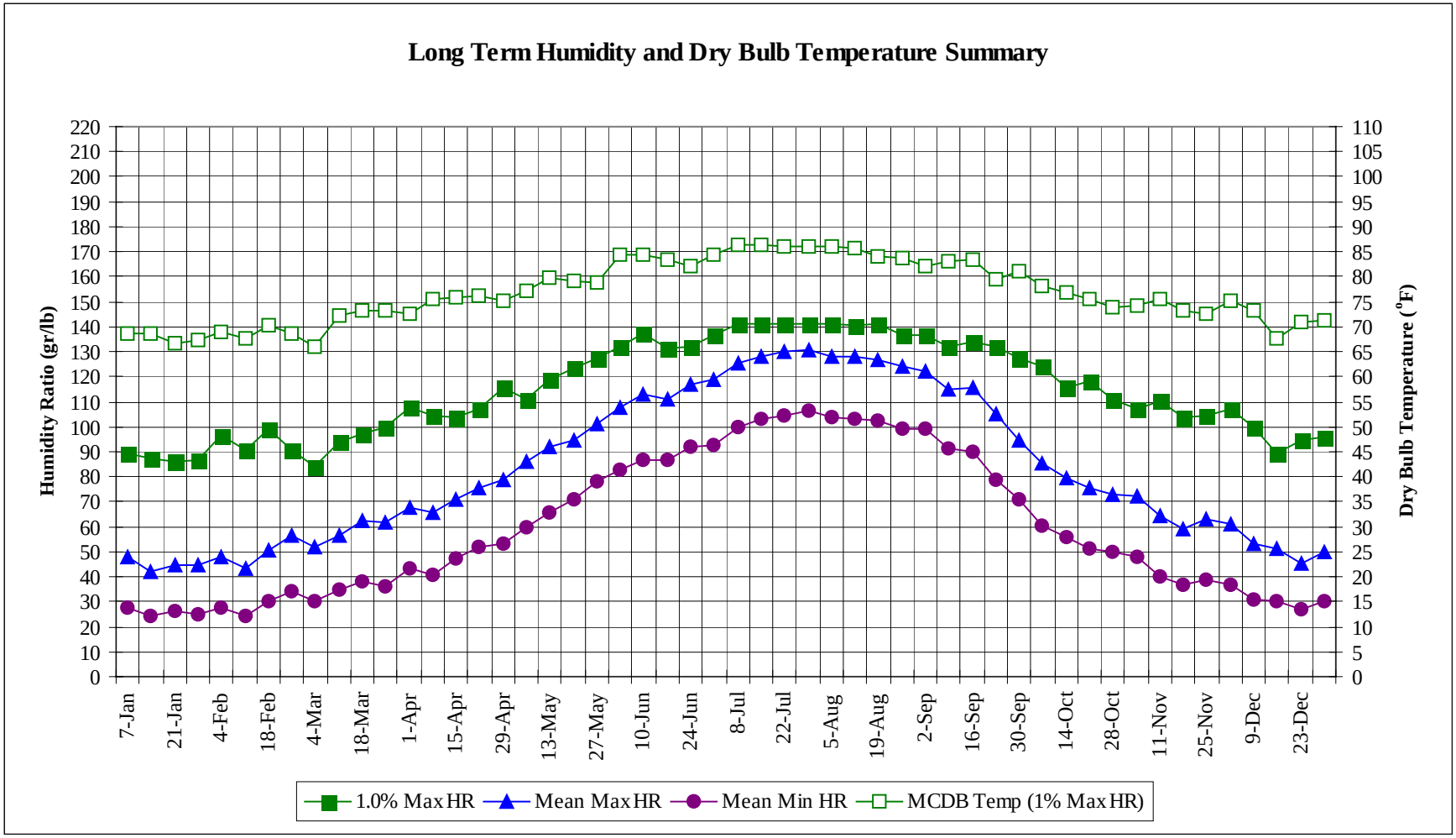
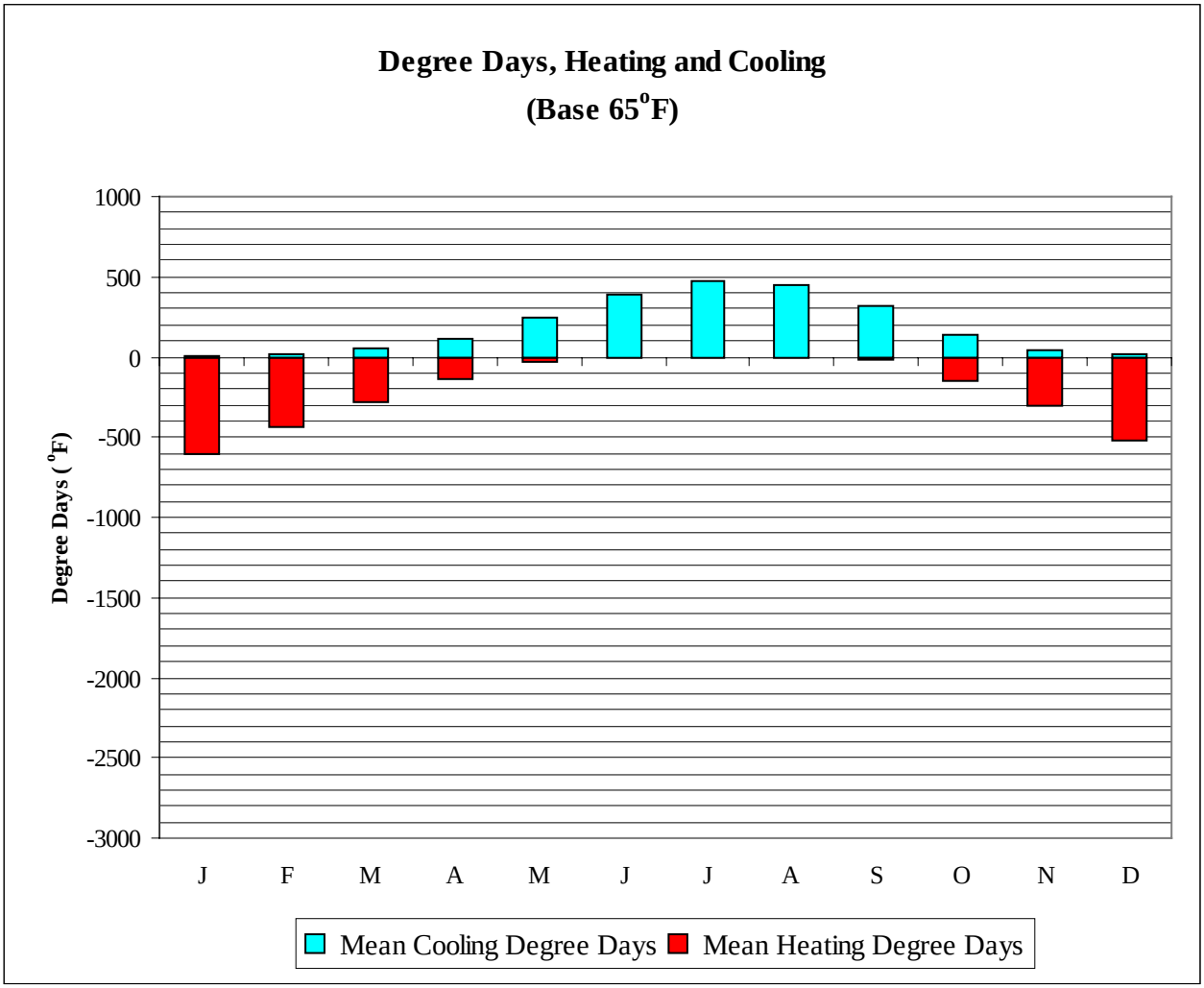


MONTGOMERY/DANNELLY AL WMO No. 722260

Long Term Dry Bulb Temperature and Humidity Summary

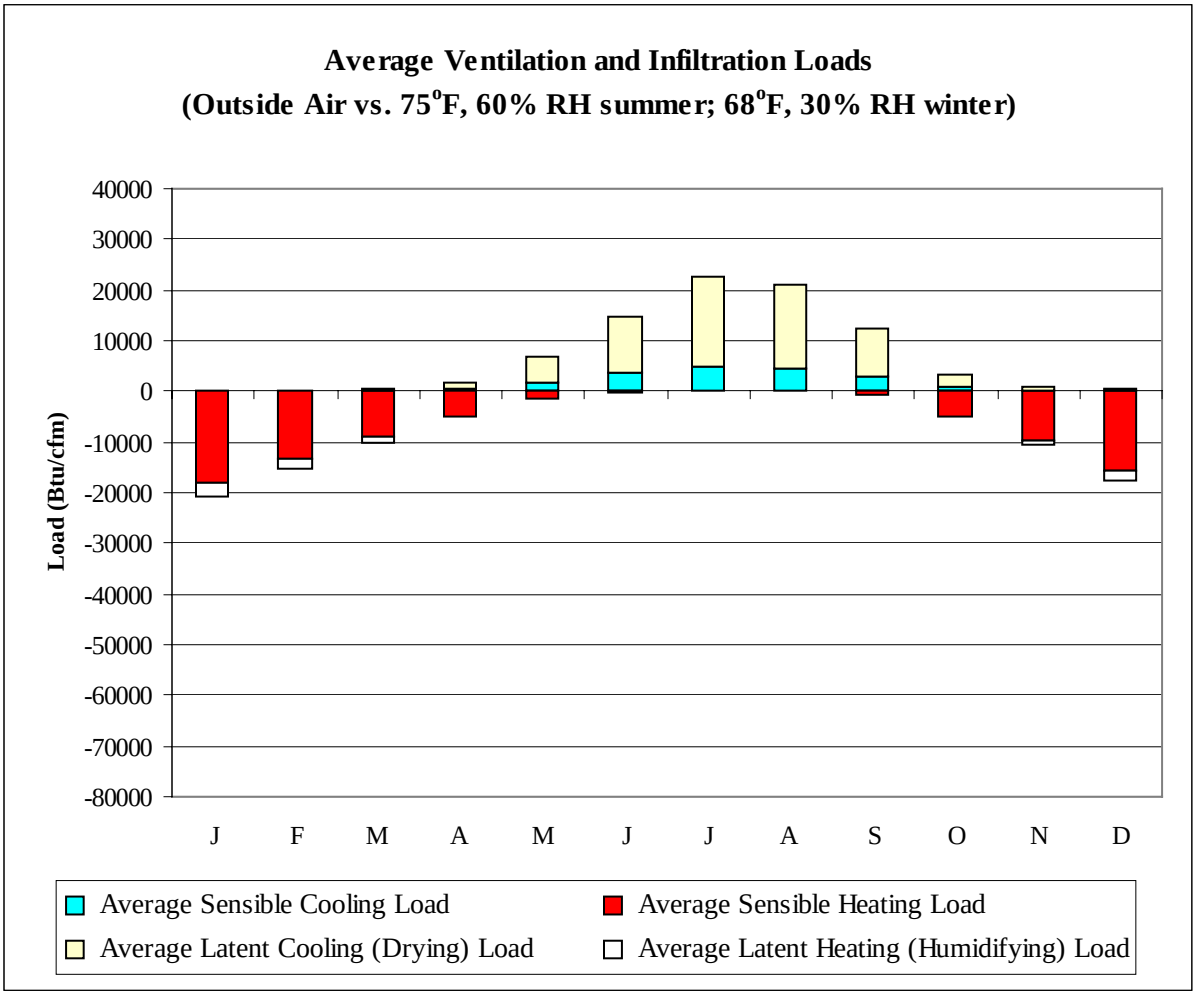
Week Ending	1.0% Temp (°F)	MCWB @ 1% Temp (°F)	Mean Max Temp (°F)	Mean Min Temp (°F)	99% Temp (°F)	1.0% HR (gr/lb)	MCDB @ 1% HR (°F)	Mean Max HR (gr/lb)	Mean Min HR (gr/lb)
7-Jan	70.0	64.1	56.3	37.8	24.0	89.6	68.6	48.0	27.9
14-Jan	70.0	65.4	53.8	35.3	19.0	87.5	68.7	42.0	24.5
21-Jan	72.0	62.9	55.5	35.9	15.0	86.1	66.6	44.6	26.4
28-Jan	72.0	62.6	57.4	35.6	21.0	86.8	67.4	44.6	24.9
4-Feb	75.0	64.1	59.2	37.8	22.0	96.6	68.9	48.0	27.5
11-Feb	72.0	61.0	57.2	35.8	23.0	90.3	67.8	43.0	24.5
18-Feb	75.0	64.5	62.0	40.2	25.0	99.4	70.4	50.6	30.3
25-Feb	75.0	62.2	64.7	44.1	27.0	90.3	68.8	56.3	34.3
4-Mar	78.0	63.3	64.3	41.8	26.0	84.0	65.9	51.6	30.4
11-Mar	81.0	65.2	67.4	44.7	30.0	93.8	72.3	56.8	35.1
18-Mar	82.0	65.8	69.7	47.2	30.0	97.3	73.1	62.2	38.3
25-Mar	81.0	63.0	70.3	47.3	34.0	100.1	73.4	61.7	36.4
1-Apr	83.0	66.7	72.1	50.1	38.0	107.8	72.6	67.4	43.1
8-Apr	83.0	66.7	72.6	49.3	37.0	104.3	75.6	65.9	41.0
15-Apr	84.0	67.1	75.0	51.9	39.0	103.6	76.0	71.1	47.2
22-Apr	86.0	68.6	77.4	54.3	43.0	107.1	76.2	75.5	52.0
29-Apr	86.0	69.3	78.4	54.7	43.0	115.5	75.3	78.6	53.4
6-May	87.0	70.2	79.6	58.0	49.0	111.3	77.0	86.1	60.0
13-May	88.0	73.4	81.2	60.0	48.0	119.0	79.9	91.8	65.7
20-May	89.0	72.6	83.3	61.6	53.0	123.2	79.3	94.7	70.8
27-May	90.0	72.5	84.3	64.2	52.0	127.4	78.7	100.9	78.0
3-Jun	93.0	74.9	86.3	65.9	55.0	132.3	84.2	107.8	83.0
10-Jun	96.0	74.9	88.1	67.8	60.0	137.2	84.3	112.8	86.7
17-Jun	94.0	74.4	88.4	68.0	60.0	131.6	83.4	111.1	86.7
24-Jun	96.0	75.6	89.3	69.6	63.0	132.3	82.2	117.2	92.1
1-Jul	96.0	75.8	90.0	70.1	63.0	136.5	84.3	118.9	92.7
8-Jul	96.0	76.1	90.5	71.4	68.0	141.4	86.2	125.5	99.7
15-Jul	96.0	77.1	91.7	72.2	69.0	141.4	86.5	128.0	102.8
22-Jul	97.0	78.0	91.4	72.2	69.0	141.4	86.0	129.7	104.2
29-Jul	98.0	78.7	90.9	72.6	69.0	141.4	86.2	130.9	106.6
5-Aug	96.0	77.5	90.3	71.8	68.0	141.4	85.9	128.2	103.7
12-Aug	95.0	77.7	90.5	71.6	67.0	140.7	85.6	127.7	103.2
19-Aug	97.0	76.0	90.6	71.5	66.0	141.4	83.9	126.5	102.4
26-Aug	98.0	77.2	90.9	71.3	66.0	136.5	83.8	124.0	99.2
2-Sep	95.0	77.2	89.7	70.9	64.0	136.5	82.0	121.8	99.3
9-Sep	95.0	74.4	87.9	69.1	62.0	132.3	83.2	115.2	91.5
16-Sep	95.0	75.4	88.5	68.6	60.0	133.7	83.4	115.9	90.0
23-Sep	92.0	72.4	85.6	64.5	53.0	132.3	79.5	105.1	78.6
30-Sep	91.0	72.7	82.1	61.6	50.0	127.4	81.3	94.3	70.9
7-Oct	90.0	73.6	80.2	57.2	43.0	123.9	78.2	85.6	60.3
14-Oct	87.0	69.7	78.2	54.6	42.0	115.5	76.9	79.6	55.6
21-Oct	86.0	71.6	77.0	51.9	39.0	118.3	75.5	75.4	51.0
28-Oct	84.0	69.9	75.5	51.3	38.0	111.3	74.0	72.9	49.6
4-Nov	83.0	67.4	73.5	50.3	34.0	107.1	74.4	72.5	48.0
11-Nov	81.0	69.5	69.3	45.9	31.0	110.6	75.6	64.7	40.2
18-Nov	80.0	66.9	68.4	44.2	32.0	103.6	73.1	58.9	36.5
25-Nov	78.0	66.4	67.6	45.3	31.0	104.3	72.6	63.3	39.0
2-Dec	79.0	69.2	64.6	43.4	28.0	107.1	75.1	61.1	36.8
9-Dec	76.0	67.9	62.5	39.7	26.0	100.1	73.2	53.2	30.6
16-Dec	73.0	61.7	60.0	39.6	25.0	89.6	67.8	51.3	30.2
23-Dec	75.0	66.3	56.9	36.6	18.0	94.5	70.8	45.6	27.2
31-Dec	76.0	66.8	58.1	38.6	16.0	95.9	71.4	50.1	30.0

MONTGOMERY/DANNELLY AL WMO No. 722260



	Mean Cooling Degree Days (°F)	Mean Heating Degree Days (°F)
JAN	6	602
FEB	16	438
MAR	58	279
APR	114	139
MAY	247	34
JUN	395	3
JUL	474	0
AUG	455	0
SEP	322	16
OCT	132	144
NOV	47	307
DEC	16	520
ANN	2281	2482

MONTGOMERY/DANNELLY AL WMO No. 722260



	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	3	-17928	100	-2822
FEB	18	-13351	202	-2096
MAR	206	-9062	454	-900
APR	582	-4933	1122	-200
MAY	1782	-1528	5046	-3
JUN	3818	-219	10827	0
JUL	4823	-8	17662	0
AUG	4524	-39	16591	0
SEP	2736	-757	9562	0
OCT	746	-5029	2353	-93
NOV	129	-9783	930	-855
DEC	22	-15691	328	-2136
ANN	19389	-78328	65177	-9105

Average Annual Solar Radiation – Nearest Available Site

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

City: MONTGOMERY
State: AL
WBAN No: 13895
Lat(N): 32.3
Long(W): 86.4
Elev(ft): 203

Stn Type: Primary
SHADING GEOMETRY IN DIMENSIONLESS UNITS
Window: 1
Overhang: 0.969
Vert Gap: 0.659

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	840	1100	1430	1790	1970	2040	1920	1810	1560	1320	960	790	1460
	Std Dev	78	120	129	133	116	141	130	124	115	121	87	61	47
	Minimum	690	820	1170	1520	1750	1630	1660	1600	1310	1120	770	670	1340
	Maximum	990	1310	1670	2040	2290	2250	2130	2090	1800	1540	1110	900	1540
	Diffuse	390	470	620	730	880	970	980	900	740	510	410	350	670
Clear Day	Global	1230	1560	1960	2320	2510	2560	2490	2300	1990	1600	1260	1110	1910
NORTH	Global	250	300	380	470	580	640	600	520	430	340	270	230	420
	Diffuse	250	300	380	450	520	560	550	500	430	340	270	230	400
Clear Day	Global	220	280	350	440	590	680	630	490	400	320	250	210	410
EAST	Global	510	660	810	980	1050	1070	1020	990	880	780	580	490	820
	Diffuse	290	360	460	560	630	670	660	630	530	420	320	270	490
Clear Day	Global	860	1030	1210	1330	1350	1340	1310	1250	1150	980	830	770	1120
SOUTH	Global	1100	1160	1080	930	740	670	690	830	1020	1260	1190	1120	980
	Diffuse	390	440	520	550	570	570	580	590	570	500	430	370	510
Clear Day	Global	2050	1960	1630	1170	820	690	750	1000	1390	1730	1920	1980	1420
WEST	Global	550	700	850	1010	1050	1050	970	950	870	790	600	520	830
	Diffuse	300	370	480	570	640	680	660	620	540	420	330	280	490
Clear Day	Global	860	1030	1210	1330	1350	1340	1310	1250	1150	980	830	770	1120

Average Annual Solar Heat and Illumination – Nearest Available Site

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

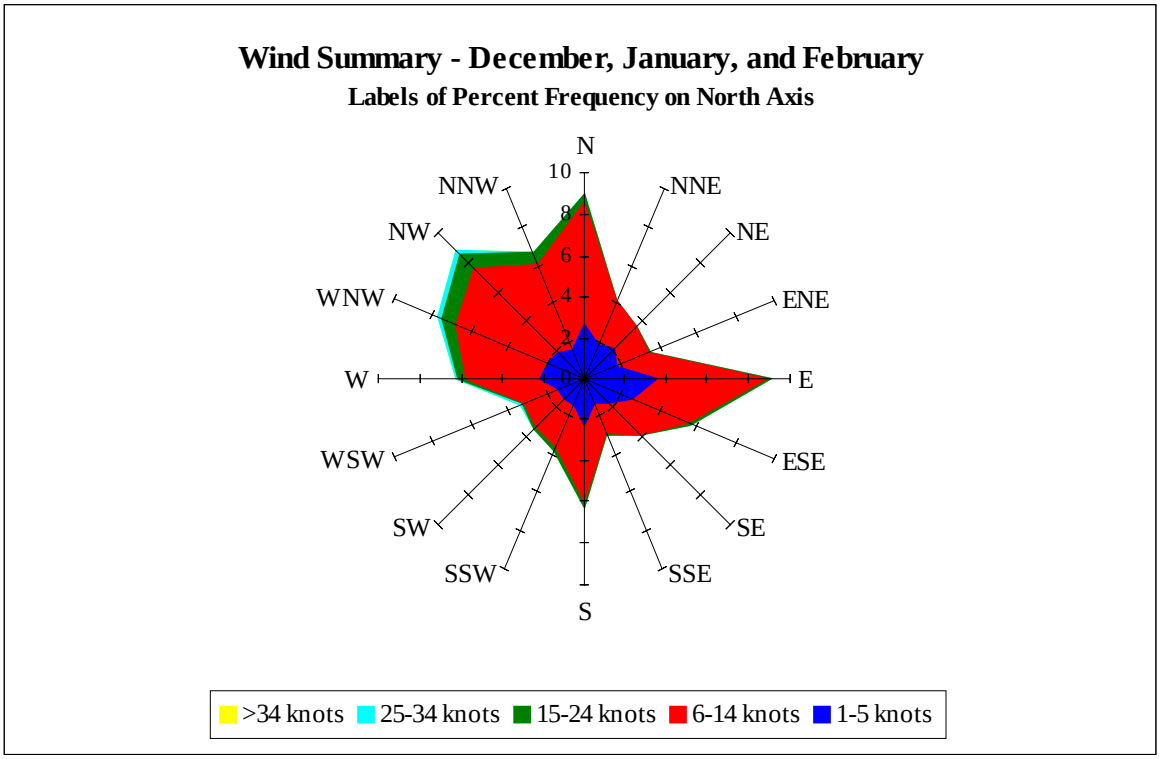
AVERAGE TRANSMITTED SOLAR RADIATION (Btu/sq.ft./day) FOR DOUBLE GLAZING, Percentage Uncertainty = 9

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
HORIZ	Unshaded	570	770	1020	1300	1430	1490	1390	1310	1120	940	660	530	1050
NORTH	Unshaded	170	210	270	320	380	420	400	350	300	230	180	160	280
	Shaded	140	180	230	280	320	350	330	300	260	210	160	130	240
EAST	Unshaded	360	460	570	690	740	760	720	700	620	550	410	340	580
	Shaded	300	380	460	550	590	590	570	560	500	460	340	280	470
SOUTH	Unshaded	810	830	720	570	450	420	430	510	660	880	880	840	670
	Shaded	760	660	390	320	340	340	340	350	340	610	790	800	500
WEST	Unshaded	380	490	600	720	750	740	690	670	620	560	420	360	580
	Shaded	330	410	500	580	600	590	540	540	500	470	360	310	480

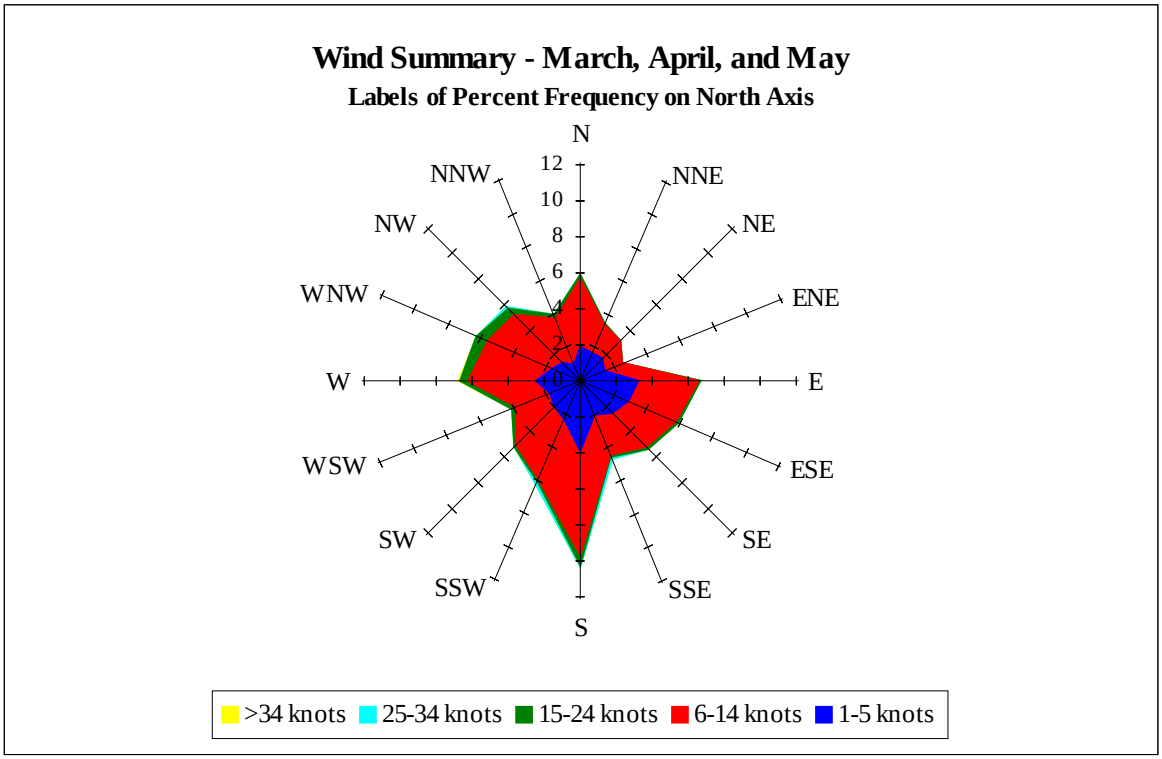
AVERAGE INCIDENT ILLUMINANCE (klux-hr) FOR MOSTLY CLEAR AND MOSTLY CLOUDY CONDITIONS, Percentage Uncertainty = 9

		March					June				
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	52	83	91	69	24	50	89	105	94	60
	M.Cloudy	29	52	57	42	15	35	66	81	73	42
NORTH	M.Clear	12	15	16	14	7	22	18	18	19	20
	M.Cloudy	11	17	18	15	7	17	20	20	20	17
EAST	M.Clear	80	52	16	14	7	73	69	25	19	16
	M.Cloudy	29	31	18	15	7	37	48	25	20	15
SOUTH	M.Clear	43	69	75	57	21	14	26	35	30	16
	M.Cloudy	19	38	42	30	10	13	24	32	27	15
WEST	M.Clear	12	15	32	75	63	14	18	18	59	73
	M.Cloudy	11	17	25	37	22	13	20	20	46	43
M.Clear	(% hrs)	34	36	37	34	38	45	44	35	33	41

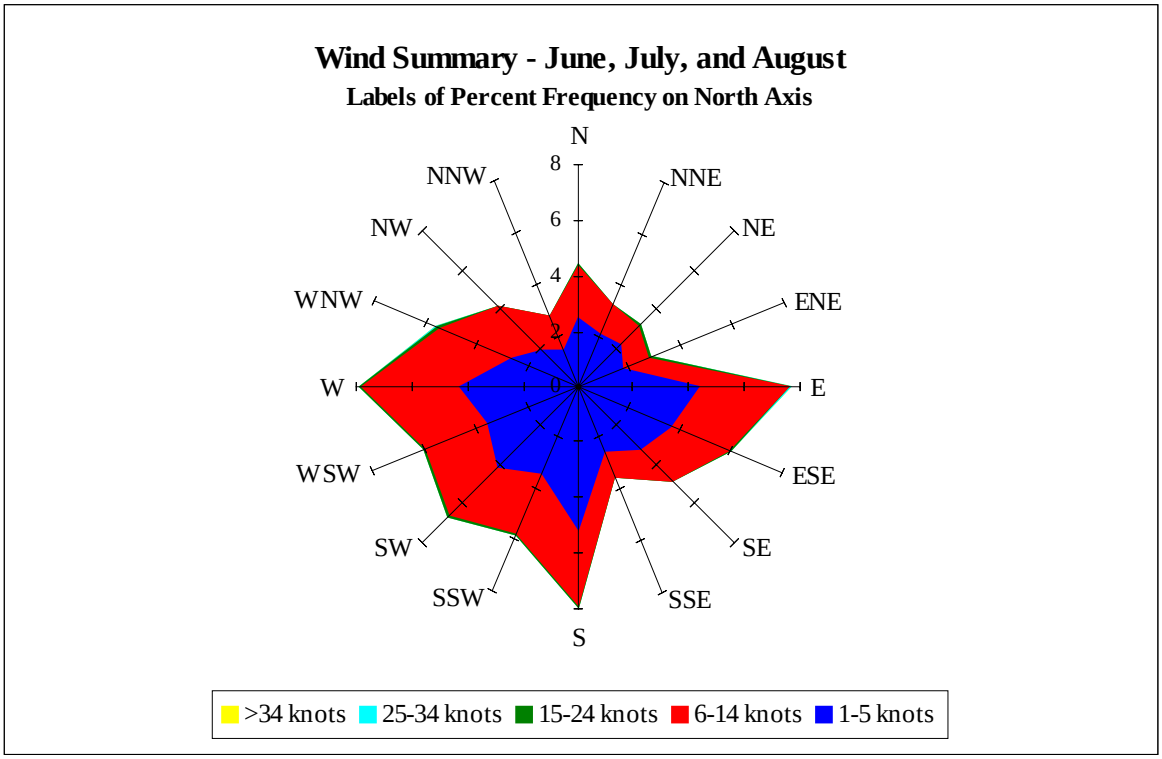
		Sept					Dec				
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	36	76	92	79	42	29	57	59	35	3
	M.Cloudy	21	50	68	59	30	15	33	34	21	2
NORTH	M.Clear	11	17	18	17	12	8	12	12	9	2
	M.Cloudy	9	18	20	19	12	7	12	13	9	1
EAST	M.Clear	66	67	23	17	12	58	38	12	9	2
	M.Cloudy	23	38	23	19	12	15	20	13	9	1
SOUTH	M.Clear	23	55	68	57	28	57	88	91	64	7
	M.Cloudy	12	32	47	40	18	15	34	36	23	2
WEST	M.Clear	11	17	18	60	67	8	12	31	58	11
	M.Cloudy	9	18	20	42	34	7	12	18	22	3
M.Clear	(% hrs)	47	45	35	35	43	35	36	36	38	41



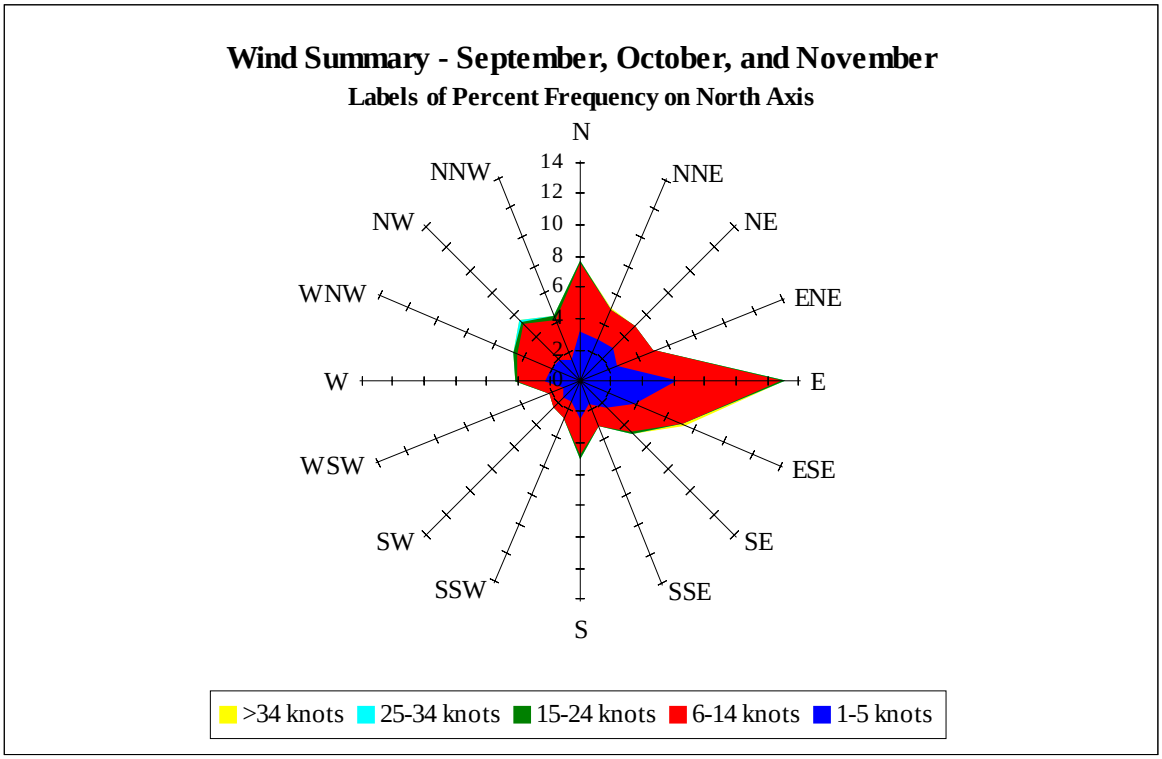
Percent Calm = 12.21



Percent Calm = 14.54



Percent Calm = 17.75



Percent Calm = 19.76