NEW ORLEANS/INTERNATIONAL LA	
Latitude = 29.98 N	WMO No. 722310
Longitude = 90.25 W	Elevation = 30 feet
Period of Record = 1973 to 1996	Average Pressure = 29.99 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	96	80	127	7.5	N
0.4% Occurrence	94	79	127	7.4	N
1.0% Occurrence	92	79	126	7.6	N
2.0% Occurrence	91	78	126	7.8	S
Mean Daily Range	17	-	-	-	-
97.5% Occurrence	38	35	24	8.2	N
99.0% Occurrence	34	31	21	8.0	N
99.6% Occurrence	30	27	16	8.0	N
Median of Extreme Lows	26	23	13	9.2	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	83	91	152	7.6	N
0.4% Occurrence	82	90	148	7.6	S
1.0% Occurrence	81	89	143	7.6	S
2.0% Occurrence	80	87	139	7.6	S
		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	157	89	1.04	7.2	W
0.4% Occurrence	151	86	1.00	6.9	S
1.0% Occurrence	146	85	0.97	6.9	S
2.0% Occurrence	141	83	0.94	6.9	S
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	71	1907	2650	4336

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
10	4.8	130	9.3 + 1.9
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 (#)
70.8	0	0	8

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

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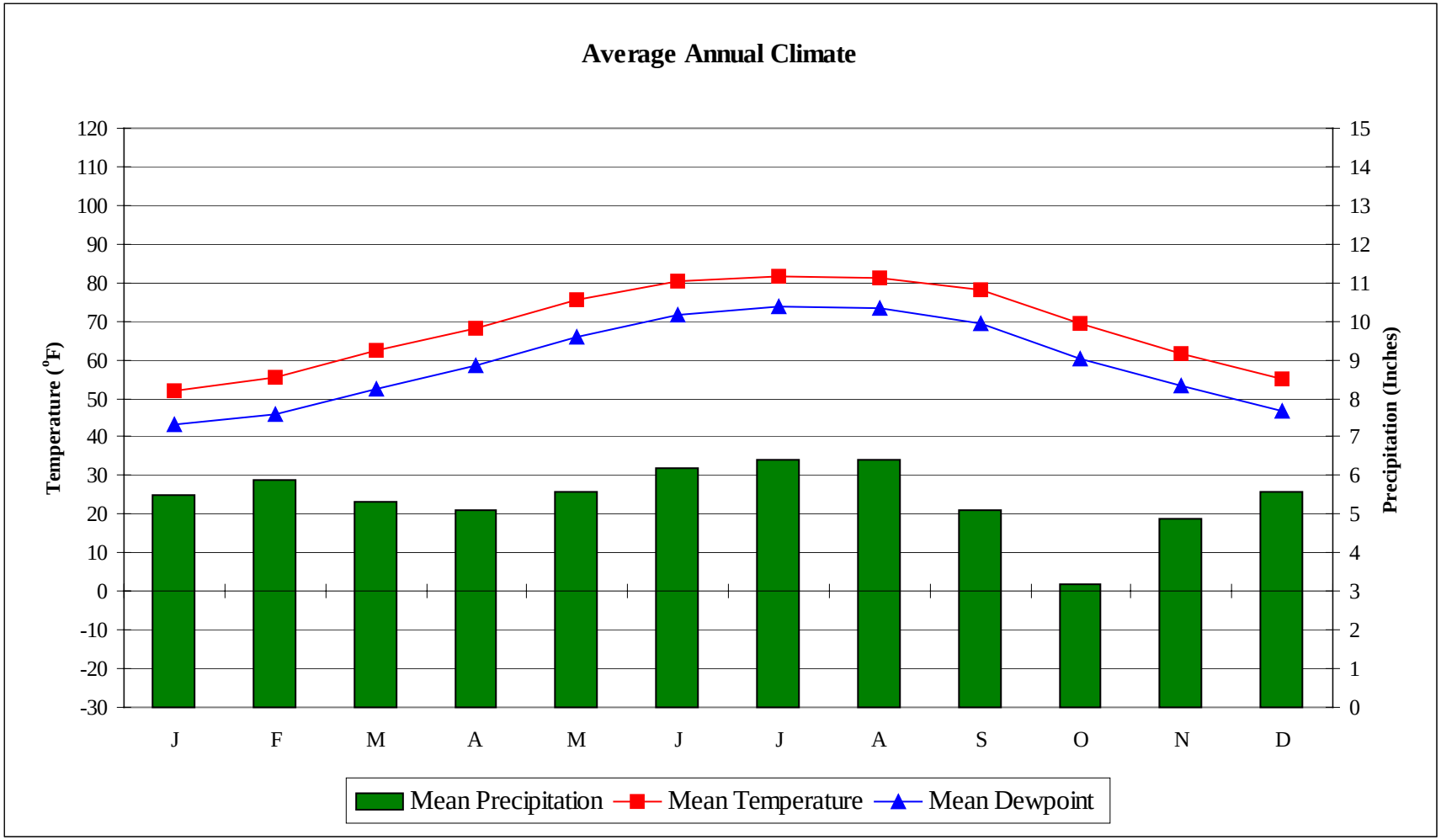

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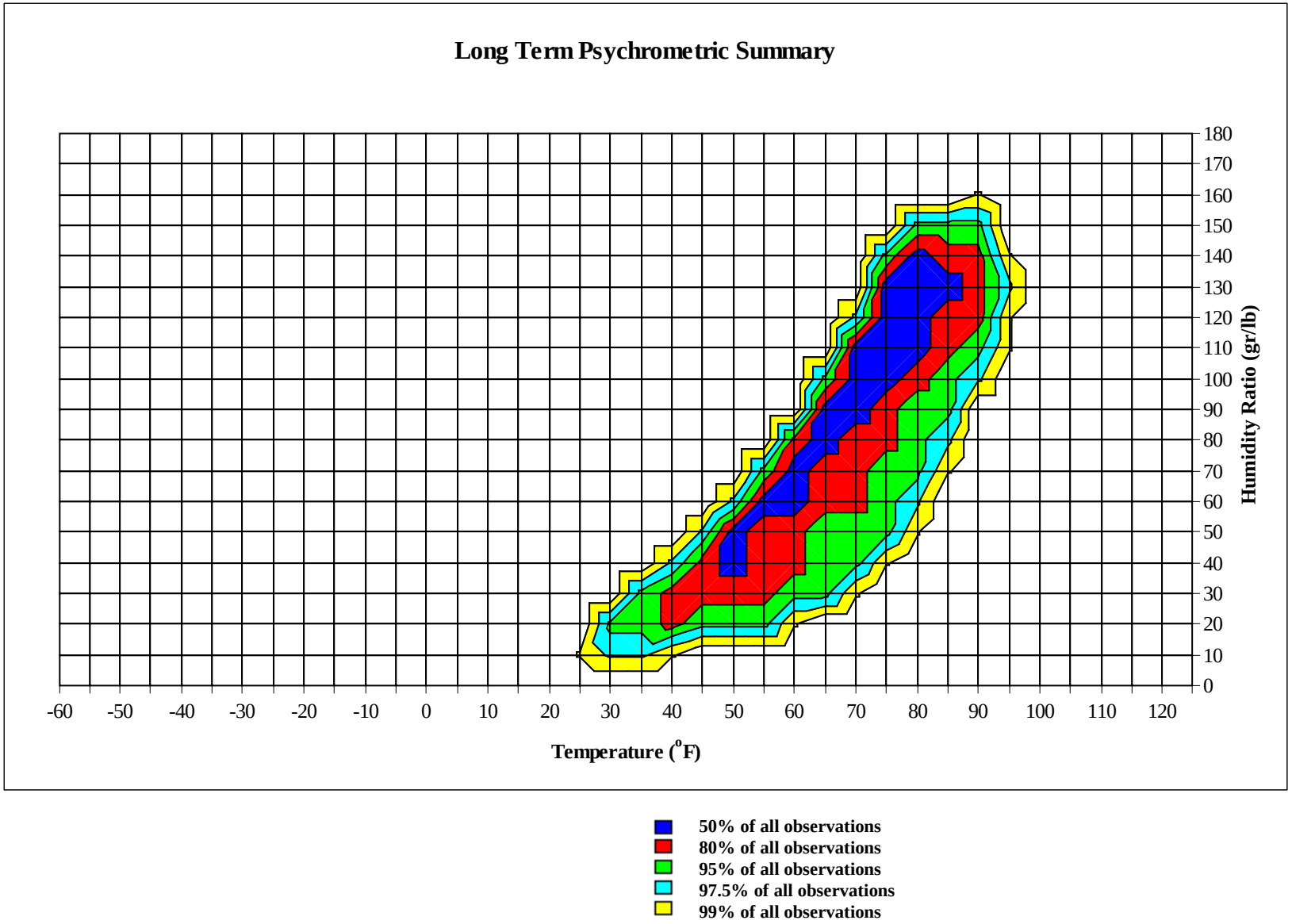

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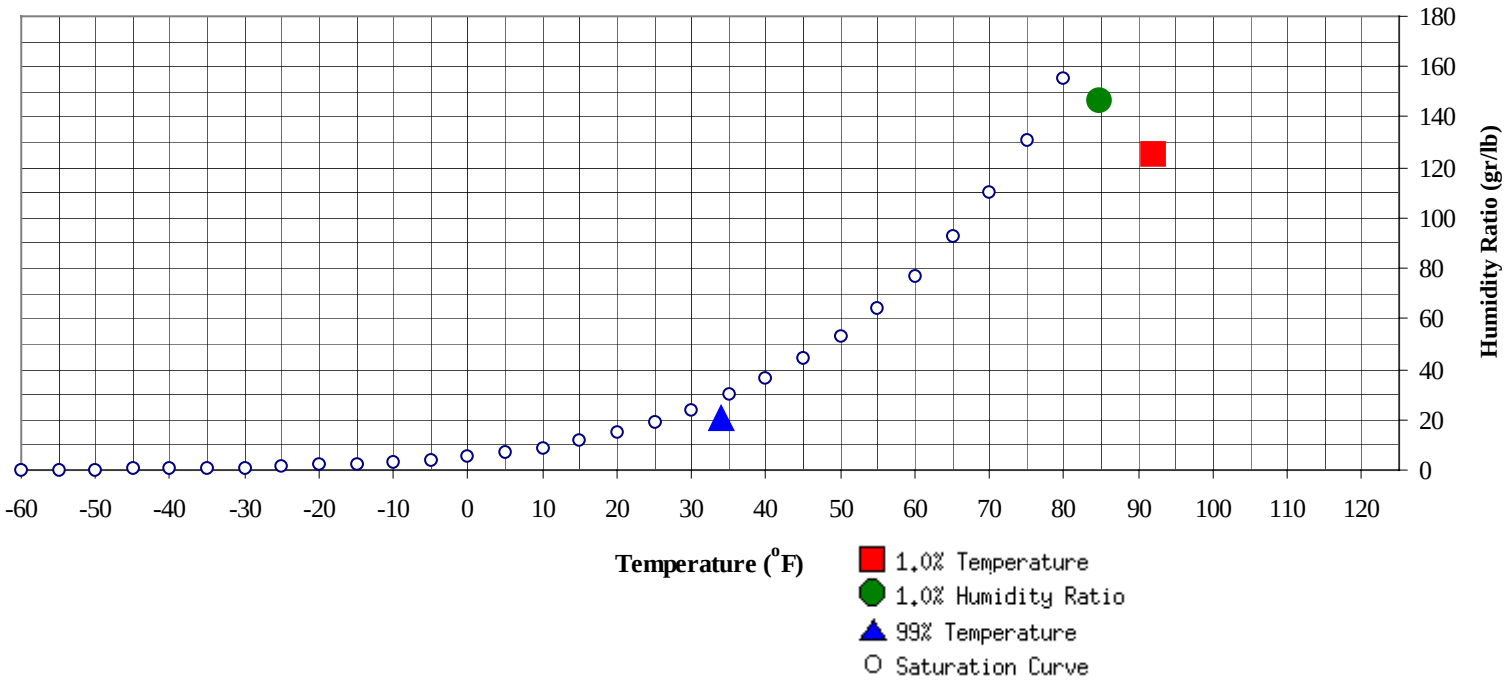
Psychrometric Summary of Peak Design Values



	(°F)	MCHR (gr/lb)	Enthalpy (btu/lb)
99% Dry Bulb	34	20.7	11.3

	(gr/lb)	MCDB (°F)	MCWB (°F)	MC Dewpt (°F)	Enthalpy (btu/lb)
1.0% Humidity Ratio	146.3	84.7	79.8	78.1	43.3

	(°F)	MCHR (gr/lb)	MCWB (°F)	Enthalpy (btu/lb)
1.0% Dry Bulb	92	125.6	78.7	41.9

NEW ORLEANS/INTERNATIONAL LA WMO No. 722310

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	71.8
80 / 84		1		1	71.7		1		1	70.8		14	1	15	69.9
75 / 79	0	8	0	8	68.9	0	16	2	18	67.7	2	49	15	66	68.4
70 / 74	3	25	9	37	66.1	4	33	15	52	65.2	22	54	40	115	65.7
65 / 69	17	29	23	69	63.0	22	35	31	88	62.0	38	44	52	133	61.7
60 / 64	23	34	28	85	57.9	26	34	36	96	57.3	47	39	53	139	57.3
55 / 59	26	38	40	104	53.1	32	33	38	103	52.5	44	23	40	107	52.5
50 / 54	38	39	42	119	47.8	36	29	38	103	47.7	41	14	28	83	47.8
45 / 49	38	32	40	110	43.0	36	19	29	84	43.0	28	7	12	47	43.3
40 / 44	40	21	35	96	38.3	32	14	20	66	38.4	16	2	6	24	38.7
35 / 39	32	14	22	68	33.9	23	6	12	41	33.5	7	1	2	10	33.9
30 / 34	20	4	7	31	29.4	10	3	3	16	29.1	2	0	0	2	29.0
25 / 29	8	1	2	11	24.9	3	0	1	4	25.2	1	0	0	1	24.0
20 / 24	1	1	0	2	20.0	1	0	0	1	19.7					
15 / 19	0	0	0	0	14.3	0			0	17.7					
10 / 14	0			0	11.6										

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.

NEW ORLEANS/INTERNATIONAL LA WMO No. 722310

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															
95 / 99							0		0	77.0		2	0	2	79.7
90 / 94		0		0	69.9		5	0	5	76.4		50	7	57	77.8
85 / 89		6	0	6	71.4	0	59	9	68	74.1	5	101	29	135	76.6
80 / 84	0	53	7	60	70.7	10	100	40	150	72.4	43	57	76	176	75.3
75 / 79	12	71	38	121	68.7	53	53	80	186	71.0	102	22	92	216	73.6
70 / 74	45	53	65	163	65.9	83	24	79	187	68.2	71	7	33	111	70.2
65 / 69	54	31	58	143	62.0	64	7	30	101	64.2	15	0	3	18	65.6
60 / 64	50	16	40	106	57.7	27	0	8	35	59.4	2		1	3	61.7
55 / 59	39	6	19	64	53.0	8		2	10	55.5	1		0	1	55.9
50 / 54	25	2	9	36	48.9	2		0	2	50.9	0		0	0	51.0
45 / 49	11	1	3	15	45.1	0			0	48.0					
40 / 44	3	0	0	3	40.8										
35 / 39	1			1	38.1										
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.

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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 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		0		0	83.3		0	0	0	78.8					
95 / 99		9	1	10	80.3		8	1	9	79.6		2	0	2	78.0
90 / 94	0	71	12	83	79.2		63	8	71	78.7	0	26	1	27	77.7
85 / 89	11	99	33	143	78.1	9	103	30	142	77.8	2	87	14	103	76.5
80 / 84	58	44	94	197	76.8	48	50	86	185	76.4	25	67	60	152	74.9
75 / 79	123	21	86	230	74.6	123	19	101	243	74.4	95	39	102	236	73.0
70 / 74	54	4	21	79	71.3	65	4	21	89	71.2	78	14	42	134	68.9
65 / 69	3		0	3	66.6	3		1	4	66.0	24	4	13	41	63.1
60 / 64						0		0	0	62.9	11	1	6	18	58.6
55 / 59											4		2	6	55.1
50 / 54											1		0	1	53.3
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.

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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 Hour Group (LST) 01 To 08	09 To 16	17 To 00	Total Obs	MCWB (°F)	November Hour Group (LST) 01 To 08	09 To 16	17 To 00	Total Obs	MCWB (°F)	December Hour Group (LST) 01 To 08	09 To 16	17 To 00	Total Obs	MCWB (°F)
100 / 104															
95 / 99		0		0	81.0										
90 / 94		2		2	78.0										
85 / 89	0	21	1	22	74.5		0		0	75.6					
80 / 84	3	63	10	76	71.8		21	0	21	72.0		3		3	73.0
75 / 79	21	66	44	131	69.8	5	44	13	62	70.3	2	22	3	27	70.0
70 / 74	53	51	65	169	66.6	27	44	41	112	67.5	9	31	16	56	67.3
65 / 69	51	28	54	133	62.1	38	40	42	120	62.7	23	32	30	85	63.4
60 / 64	52	12	39	103	57.8	38	34	41	113	57.4	33	39	36	108	58.0
55 / 59	33	4	22	59	53.7	36	28	37	101	52.4	30	40	37	107	52.7
50 / 54	23	1	10	34	50.1	34	18	32	84	47.6	35	35	42	112	47.6
45 / 49	8	0	3	11	45.8	31	7	21	59	43.6	35	22	35	92	43.1
40 / 44	2	0	1	3	40.6	18	3	10	31	39.6	33	14	28	75	38.8
35 / 39	0			0	34.2	8	0	4	12	35.7	26	6	15	47	34.2
30 / 34						4	0	1	5	31.1	14	1	4	19	29.7
25 / 29						0			0	29.0	4	1	1	6	24.6
20 / 24											1	1	1	3	18.8
15 / 19											1	0	1	2	14.2
10 / 14											0	0		0	11.0

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.

NEW ORLEANS/INTERNATIONAL LA WMO No. 722310

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		0	0	0	81.0
95 / 99		20	2	22	79.8
90 / 94	0	217	29	246	78.5
85 / 89	27	474	117	617	76.8
80 / 84	185	473	372	1029	74.6
75 / 79	535	429	575	1540	72.3
70 / 74	512	346	444	1303	67.8
65 / 69	352	251	338	941	62.7
60 / 64	310	212	288	810	57.7
55 / 59	255	174	236	665	52.8
50 / 54	237	139	201	578	48.0
45 / 49	189	88	144	422	43.3
40 / 44	145	56	99	300	38.7
35 / 39	98	29	55	182	34.0
30 / 34	51	9	15	75	29.5
25 / 29	17	2	4	23	24.8
20 / 24	3	1	1	5	19.4
15 / 19	1	0	1	2	14.4
10 / 14	1	0		1	11.2

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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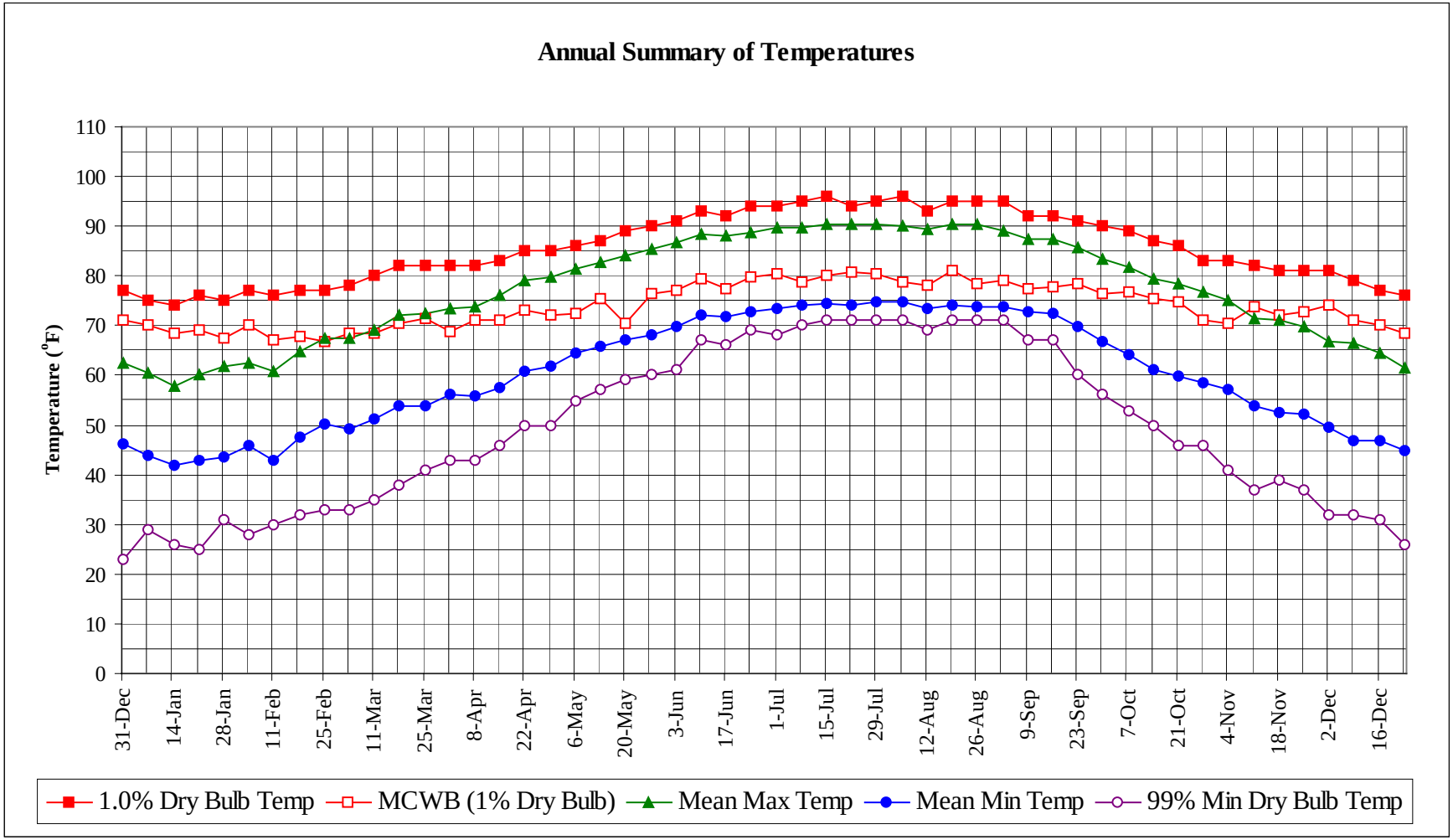

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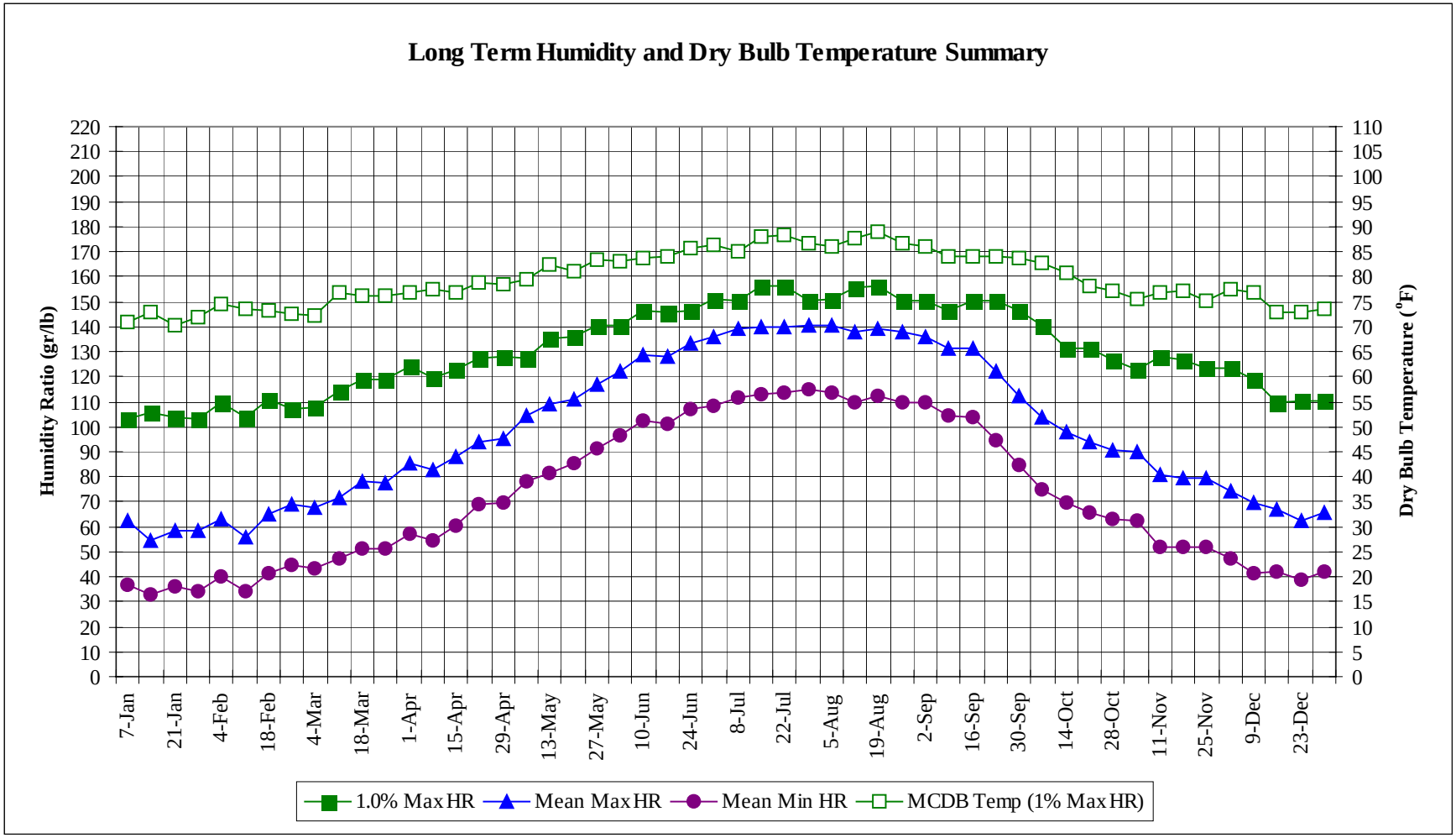

NEW ORLEANS/INTERNATIONAL LA WMO No. 722310

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	75.0	70.0	60.6	43.7	29.0	102.9	71.0	62.1	36.7
14-Jan	74.0	68.5	57.9	42.0	26.0	105.7	73.0	54.6	33.1
21-Jan	76.0	69.1	60.0	43.0	25.0	103.6	70.3	58.2	35.9
28-Jan	75.0	67.5	61.7	43.6	31.0	102.9	72.1	58.7	34.0
4-Feb	77.0	70.0	62.4	45.9	28.0	109.9	74.4	63.4	40.0
11-Feb	76.0	67.1	60.8	42.7	30.0	103.6	73.5	55.7	34.3
18-Feb	77.0	67.7	64.9	47.6	32.0	111.3	73.2	65.3	41.7
25-Feb	77.0	66.9	67.5	50.1	33.0	107.1	72.6	69.2	44.6
4-Mar	78.0	68.3	67.4	49.2	33.0	107.8	72.4	67.4	43.4
11-Mar	80.0	68.5	69.2	51.1	35.0	114.1	77.0	71.9	47.5
18-Mar	82.0	70.5	72.2	53.9	38.0	119.0	76.1	78.5	51.6
25-Mar	82.0	71.4	72.4	53.8	41.0	119.0	76.0	77.8	51.0
1-Apr	82.0	68.8	73.4	56.3	43.0	123.9	76.9	85.1	56.9
8-Apr	82.0	71.0	73.9	55.8	43.0	119.7	77.5	83.0	54.5
15-Apr	83.0	71.0	76.1	57.5	46.0	122.5	76.8	88.3	60.6
22-Apr	85.0	73.1	79.0	60.9	50.0	127.4	78.7	94.0	69.0
29-Apr	85.0	72.1	79.9	61.8	50.0	128.1	78.3	95.4	69.6
6-May	86.0	72.3	81.3	64.5	55.0	127.4	79.5	104.5	78.0
13-May	87.0	75.5	82.6	65.8	57.0	135.1	82.6	108.8	81.4
20-May	89.0	70.5	84.2	67.2	59.0	135.8	81.0	111.0	85.1
27-May	90.0	76.3	85.4	68.0	60.0	140.7	83.4	117.2	91.1
3-Jun	91.0	77.2	86.6	69.8	61.0	140.7	83.1	122.3	96.7
10-Jun	93.0	79.3	88.3	72.1	67.0	146.3	83.8	128.9	102.3
17-Jun	92.0	77.4	88.1	71.6	66.0	145.6	84.2	128.3	100.9
24-Jun	94.0	79.6	88.6	72.8	69.0	146.3	85.7	133.4	107.0
1-Jul	94.0	80.3	89.6	73.4	68.0	151.2	86.4	136.1	108.5
8-Jul	95.0	78.7	89.9	74.1	70.0	150.5	85.0	139.3	111.7
15-Jul	96.0	80.2	90.4	74.3	71.0	156.1	88.1	139.9	113.0
22-Jul	94.0	80.7	90.3	74.3	71.0	156.1	88.4	140.1	113.5
29-Jul	95.0	80.4	90.4	74.8	71.0	150.5	86.6	140.8	115.1
5-Aug	96.0	78.7	89.9	74.7	71.0	151.2	85.9	140.2	113.5
12-Aug	93.0	78.0	89.3	73.6	69.0	155.4	87.6	138.0	109.8
19-Aug	95.0	81.1	90.5	74.0	71.0	156.1	89.1	139.3	112.6
26-Aug	95.0	78.5	90.4	73.9	71.0	150.5	86.7	138.2	109.5
2-Sep	95.0	79.0	89.2	73.7	71.0	150.5	86.0	135.9	110.0
9-Sep	92.0	77.3	87.5	72.9	67.0	146.3	83.9	131.1	104.4
16-Sep	92.0	77.9	87.6	72.6	67.0	150.5	84.2	131.3	104.1
23-Sep	91.0	78.5	85.8	69.9	60.0	150.5	84.1	122.4	94.5
30-Sep	90.0	76.6	83.4	66.8	56.0	146.3	83.7	112.3	84.7
7-Oct	89.0	76.6	81.6	64.1	53.0	140.7	82.9	103.7	74.8
14-Oct	87.0	75.4	79.6	61.1	50.0	131.6	80.9	98.1	69.9
21-Oct	86.0	74.9	78.5	59.8	46.0	131.6	78.3	93.8	65.8
28-Oct	83.0	71.1	76.7	58.6	46.0	126.7	77.3	90.6	63.4
4-Nov	83.0	70.3	75.1	57.0	41.0	122.5	75.5	90.3	62.2
11-Nov	82.0	73.9	71.6	53.7	37.0	128.1	77.0	80.7	51.9
18-Nov	81.0	72.3	71.2	52.6	39.0	126.7	77.1	79.3	52.1
25-Nov	81.0	72.7	69.8	52.3	37.0	123.2	75.1	79.6	52.1
2-Dec	81.0	74.1	67.0	49.5	32.0	123.2	77.4	74.1	47.2
9-Dec	79.0	71.3	66.5	46.9	32.0	119.0	77.0	69.5	41.2
16-Dec	77.0	70.2	64.4	46.8	31.0	109.9	72.9	67.2	42.0
23-Dec	76.0	68.4	61.5	44.9	26.0	110.6	73.0	62.2	38.6
31-Dec	77.0	71.0	62.4	46.1	23.0	110.6	73.6	65.8	42.0

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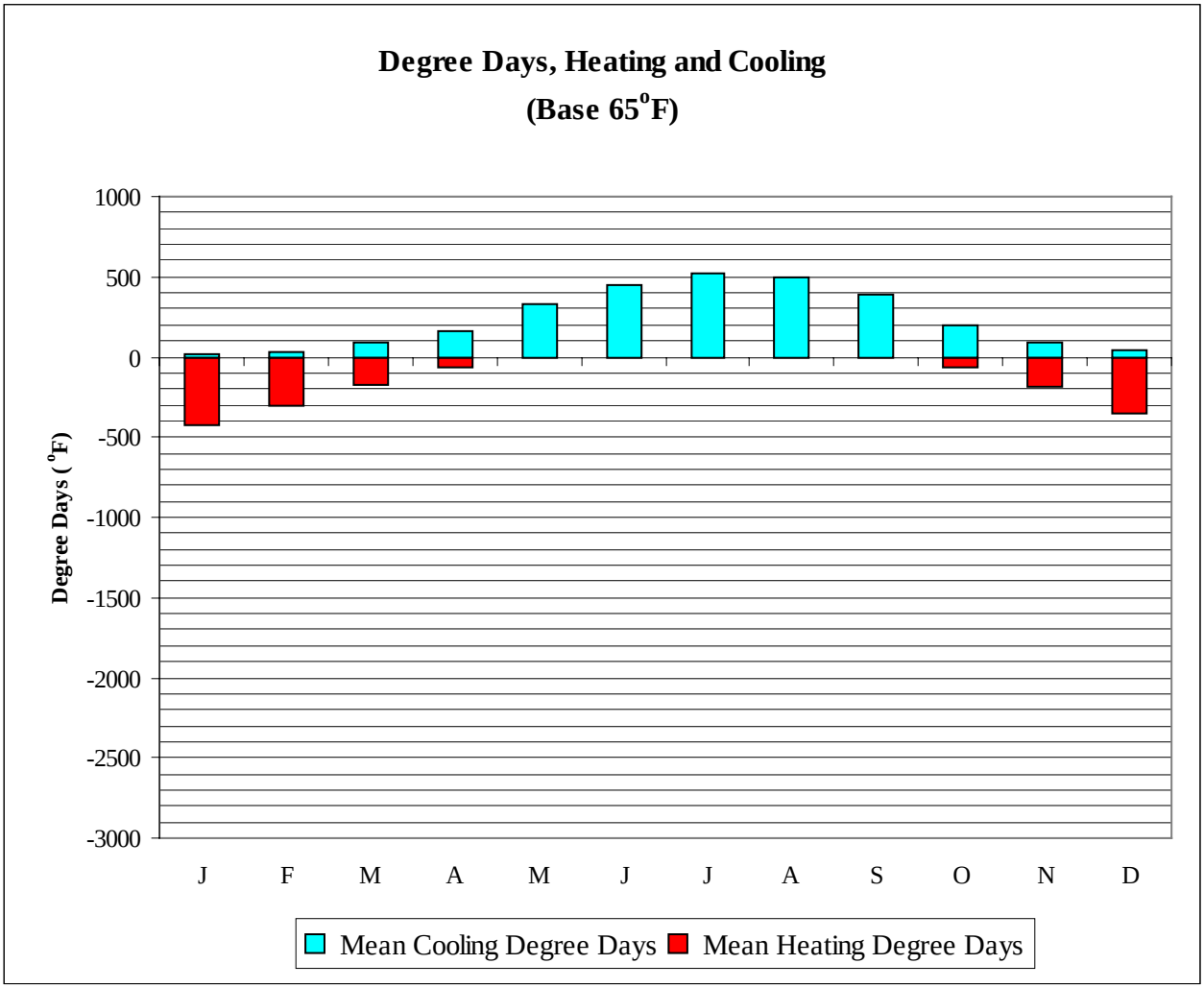

	Mean Cooling Degree Days (°F)	Mean Heating Degree Days (°F)
JAN	20	430
FEB	31	305
MAR	87	170
APR	166	66
MAY	330	8
JUN	455	1
JUL	515	0
AUG	501	0
SEP	395	4
OCT	198	60
NOV	86	186
DEC	37	350
ANN	2820	1580

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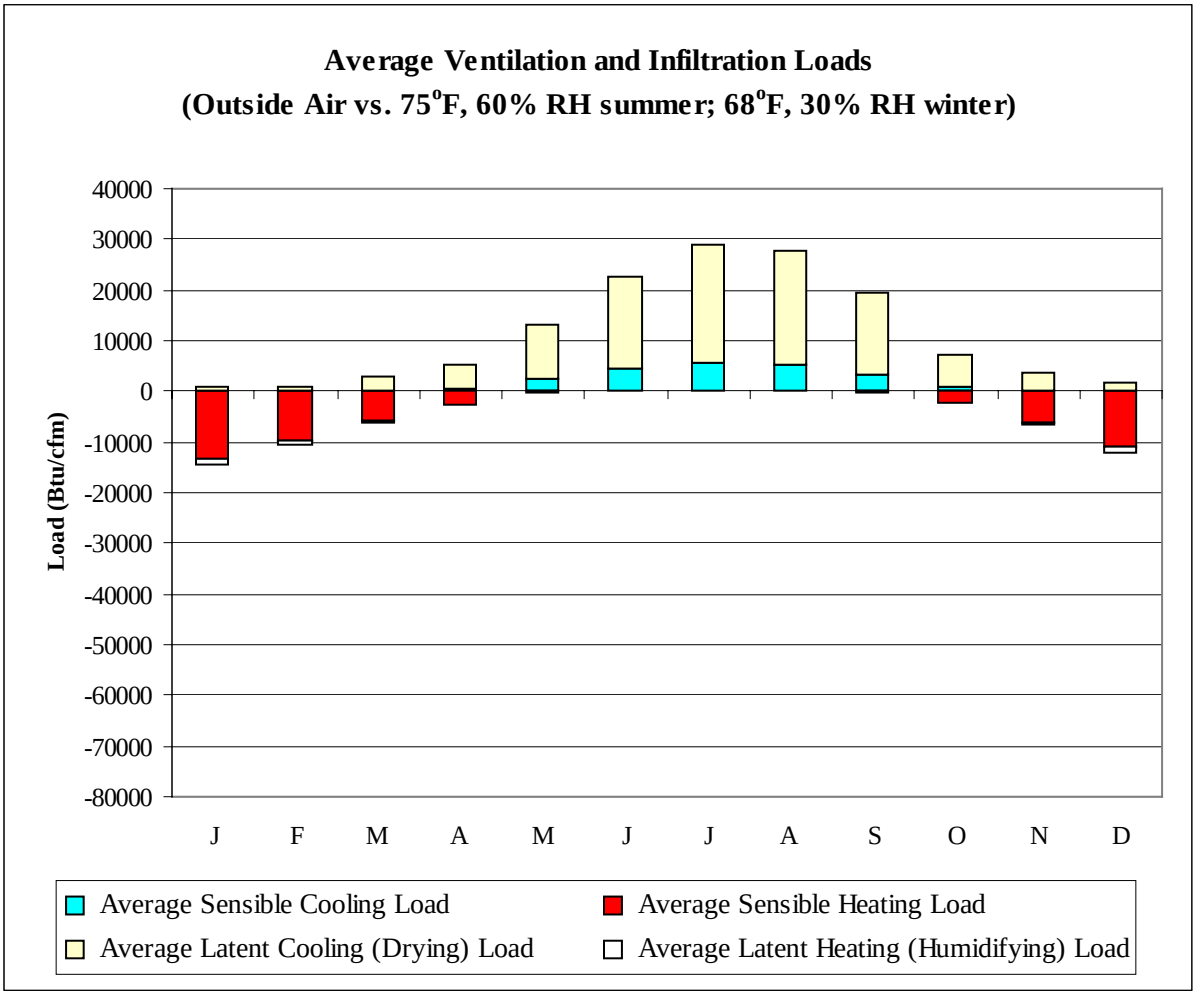


	Average Sensible Cooling Load (Btu/cfm)	Average Sensible Heating Load (Btu/cfm)	Average Latent Cooling Load (Btu/cfm)	Average Latent Heating Load (Btu/cfm)
JAN	17	-13282	850	-1328
FEB	35	-9699	1022	-850
MAR	230	-5927	2508	-318
APR	718	-2624	4455	-34
MAY	2413	-446	10621	0
JUN	4489	-40	18186	0
JUL	5511	-1	23582	0
AUG	5170	-5	22448	0
SEP	3423	-226	16147	0
OCT	1079	-2405	6308	-25
NOV	255	-6281	3469	-274
DEC	56	-11048	1644	-911
ANN	23396	-51984	111240	-3740

Average Annual Solar Radiation – Nearest Available Site

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

City: NEW ORLEANS
State: LA
WBAN No: 12916
Lat(N): 29.98
Long(W): 90.25
Elev(ft): 10

Stn Type: Secondary
SHADING GEOMETRY IN DIMENSIONLESS UNITS
Window: 1
Overhang: 0.876
Vert Gap: 0.649

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	860	1130	1410	1750	1920	1940	1820	1730	1550	1370	990	820	1440
	Std Dev	70	96	112	123	118	164	98	123	90	108	90	63	35
	Minimum	720	930	1190	1490	1690	1570	1660	1470	1360	1160	730	730	1370
	Maximum	1020	1320	1650	2090	2220	2240	2090	1940	1750	1580	1130	950	1510
	Diffuse	420	490	620	710	800	860	890	820	690	510	430	390	640
Clear Day	Global	1300	1610	1990	2320	2500	2540	2480	2320	2030	1660	1320	1180	1940
NORTH	Global	260	310	380	450	560	620	570	490	410	340	280	240	410
	Diffuse	260	310	380	440	500	520	510	470	410	340	280	240	390
Clear Day	Global	240	290	360	430	580	690	640	490	400	330	260	230	410
EAST	Global	510	660	790	950	1020	1040	1010	980	900	800	600	500	810
	Diffuse	310	370	460	550	600	630	630	590	520	430	340	290	480
Clear Day	Global	860	1020	1200	1300	1340	1330	1300	1260	1170	1010	850	790	1120
SOUTH	Global	1030	1120	1010	850	660	580	600	740	970	1240	1170	1070	920
	Diffuse	400	450	510	530	520	520	520	540	540	500	440	390	490
Clear Day	Global	1990	1880	1550	1080	730	610	670	910	1320	1690	1880	1950	1350
WEST	Global	540	690	830	980	1020	980	880	860	840	810	620	520	800
	Diffuse	310	380	470	550	600	620	610	580	510	430	340	290	480
Clear Day	Global	860	1020	1200	1300	1340	1330	1300	1260	1170	1010	850	790	1120

Average Annual Solar Heat and Illumination – Nearest Available Site

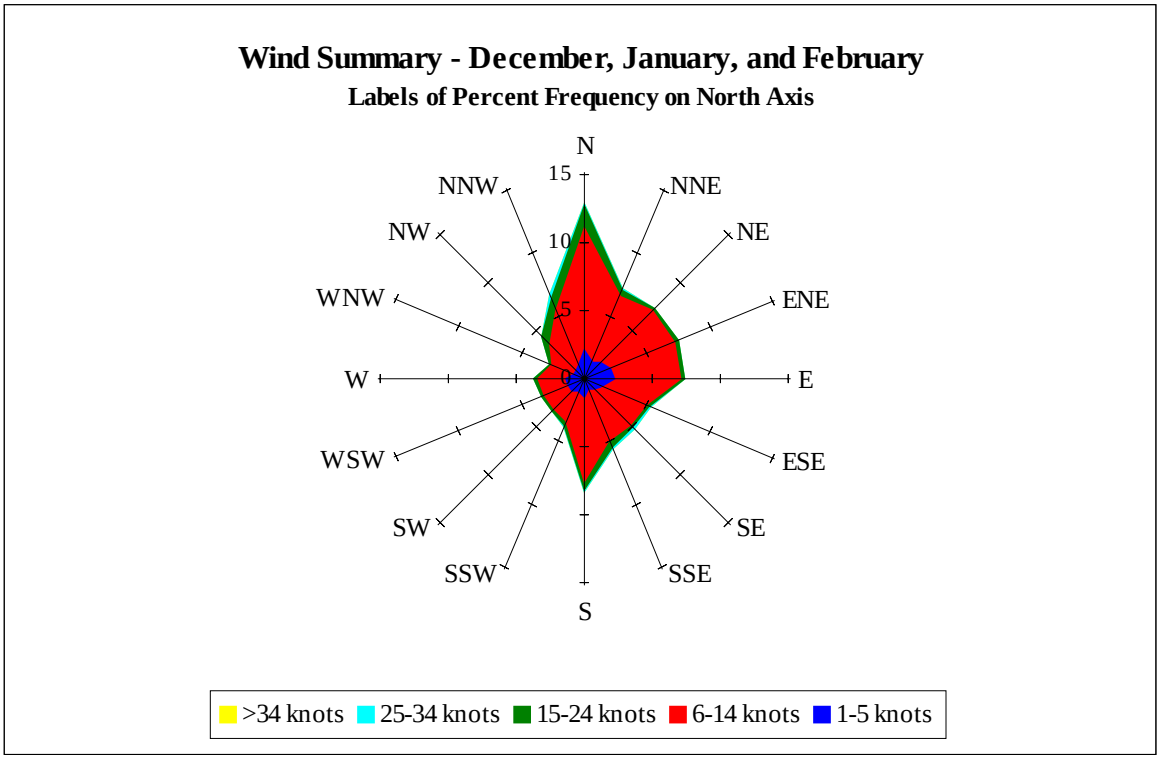
(Source: National Renewable Energy Laboratory, Golden CO, 1995)

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

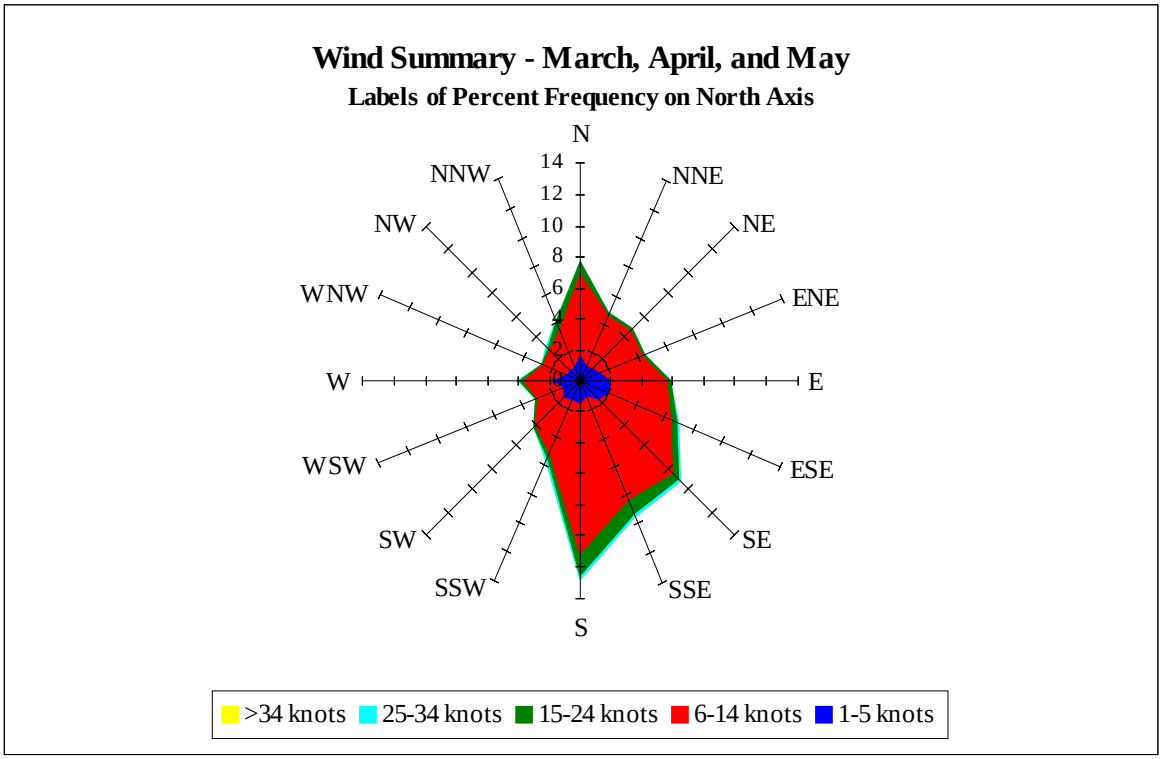
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
HORIZ	Unshaded	590	800	1010	1270	1400	1420	1320	1260	1120	980	690	560	1040
NORTH	Unshaded	180	220	260	310	360	400	370	330	290	240	190	170	280
	Shaded	160	190	230	270	320	340	320	290	250	210	170	150	240
EAST	Unshaded	360	460	560	670	720	740	710	700	640	570	420	340	570
	Shaded	310	390	460	560	590	600	580	570	530	480	360	300	480
SOUTH	Unshaded	760	800	670	520	400	370	380	450	620	860	860	800	620
	Shaded	710	650	390	320	320	320	320	330	340	610	780	760	490
WEST	Unshaded	370	490	590	690	720	690	620	610	590	570	430	360	560
	Shaded	320	410	500	580	590	570	510	500	490	480	370	310	470

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

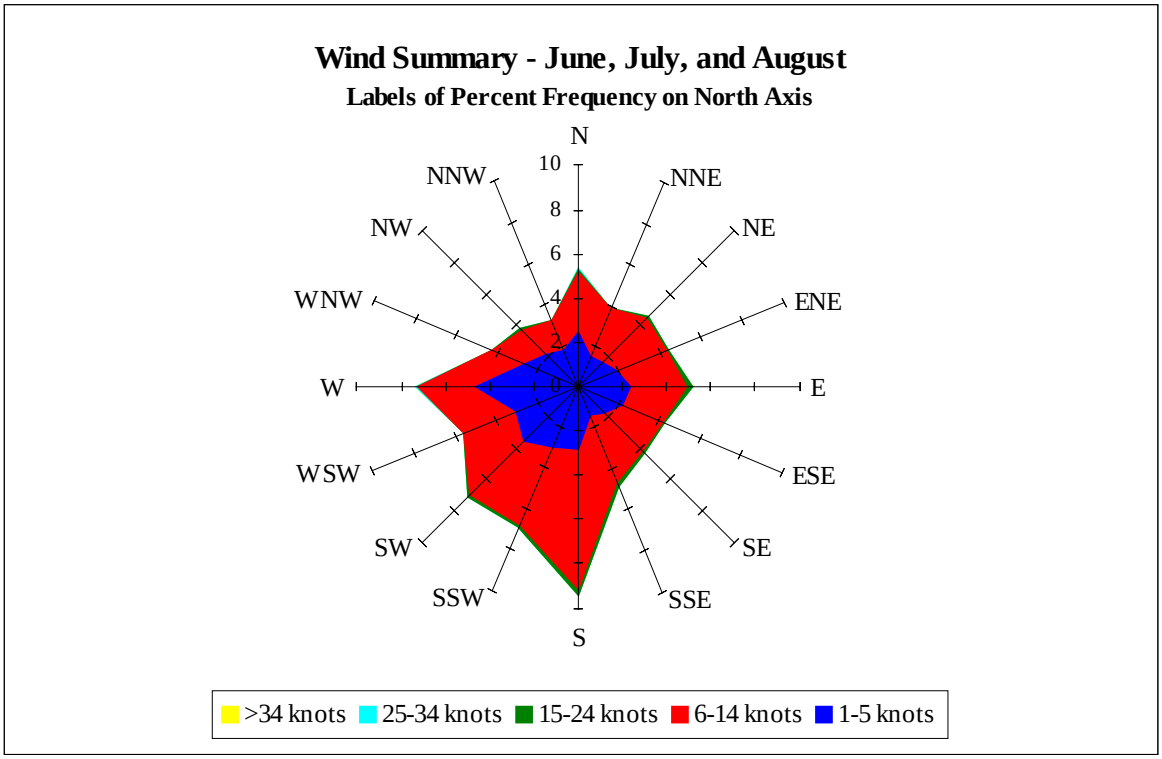
		March					June				
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	47	83	92	73	30	43	83	103	97	65
	M.Cloudy	26	51	59	45	19	31	62	74	69	45
NORTH	M.Clear	11	15	16	14	9	24	18	17	18	21
	M.Cloudy	10	17	18	15	8	17	19	19	19	18
EAST	M.Clear	79	58	16	14	9	67	71	31	18	16
	M.Cloudy	28	34	18	15	8	39	50	27	19	16
SOUTH	M.Clear	37	64	71	57	24	13	20	30	27	16
	M.Cloudy	17	36	42	32	12	12	20	26	24	16
WEST	M.Clear	11	15	25	70	69	13	18	17	54	75
	M.Cloudy	10	17	22	37	25	12	19	19	40	44
M.Clear	(% hrs)	31	31	33	34	37	45	40	40	37	35
		Sept					Dec				
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	30	73	93	84	49	26	57	63	42	6
	M.Cloudy	20	51	64	59	33	14	33	37	24	4
NORTH	M.Clear	10	16	18	17	13	8	12	13	10	3
	M.Cloudy	9	17	19	18	13	6	13	14	10	2
EAST	M.Clear	60	70	29	17	13	56	43	13	10	3
	M.Cloudy	26	43	25	18	13	15	22	14	10	2
SOUTH	M.Clear	19	49	65	58	32	49	83	88	67	15
	M.Cloudy	11	32	43	38	20	14	33	38	25	5
WEST	M.Clear	10	16	18	56	72	8	12	26	57	23
	M.Cloudy	9	17	19	38	36	6	13	18	22	6
M.Clear	(% hrs)	51	42	39	36	36	33	32	33	36	35



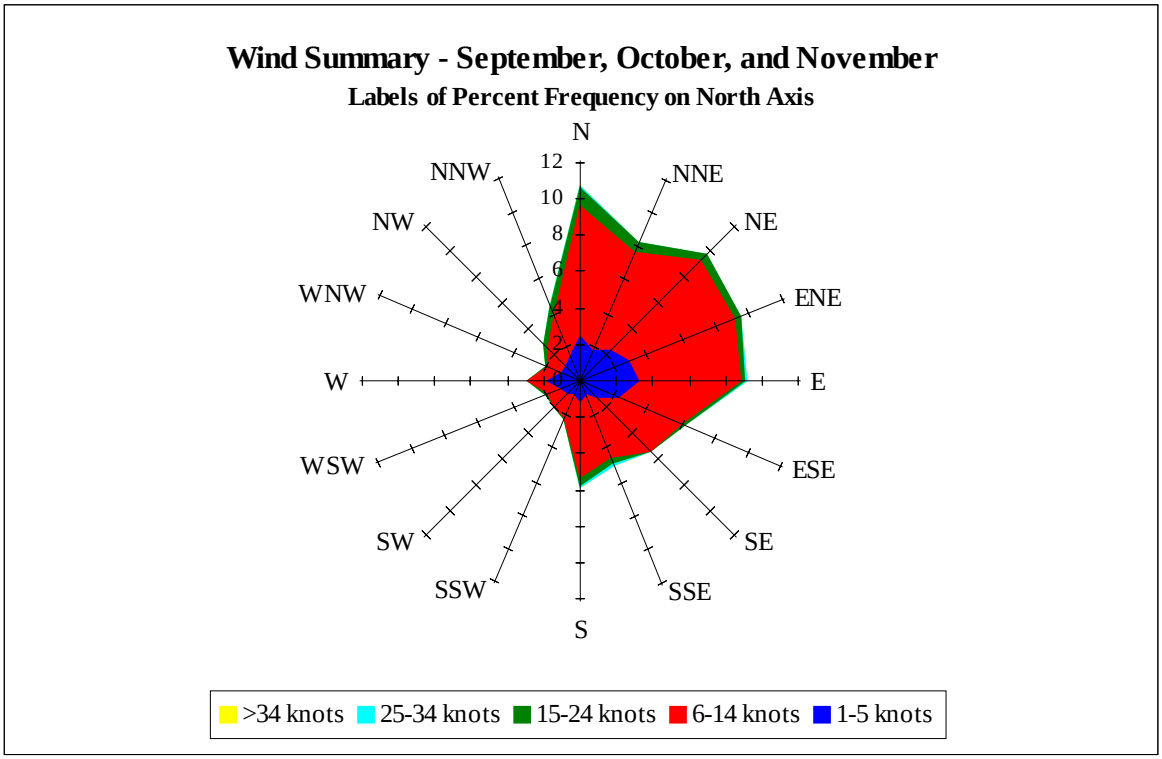
Percent Calm = 6.64



Percent Calm = 8.04



Percent Calm = 16.23



Percent Calm = 12.43