ALEXANDRIA/ESLER LA	
Latitude = 31.40 N	WMO No. 722487
Longitude = 92.30 W	Elevation = 112 feet
Period of Record = 1973 to 1996	Average Pressure = 29.90 inches Hg

Design Criteria Data

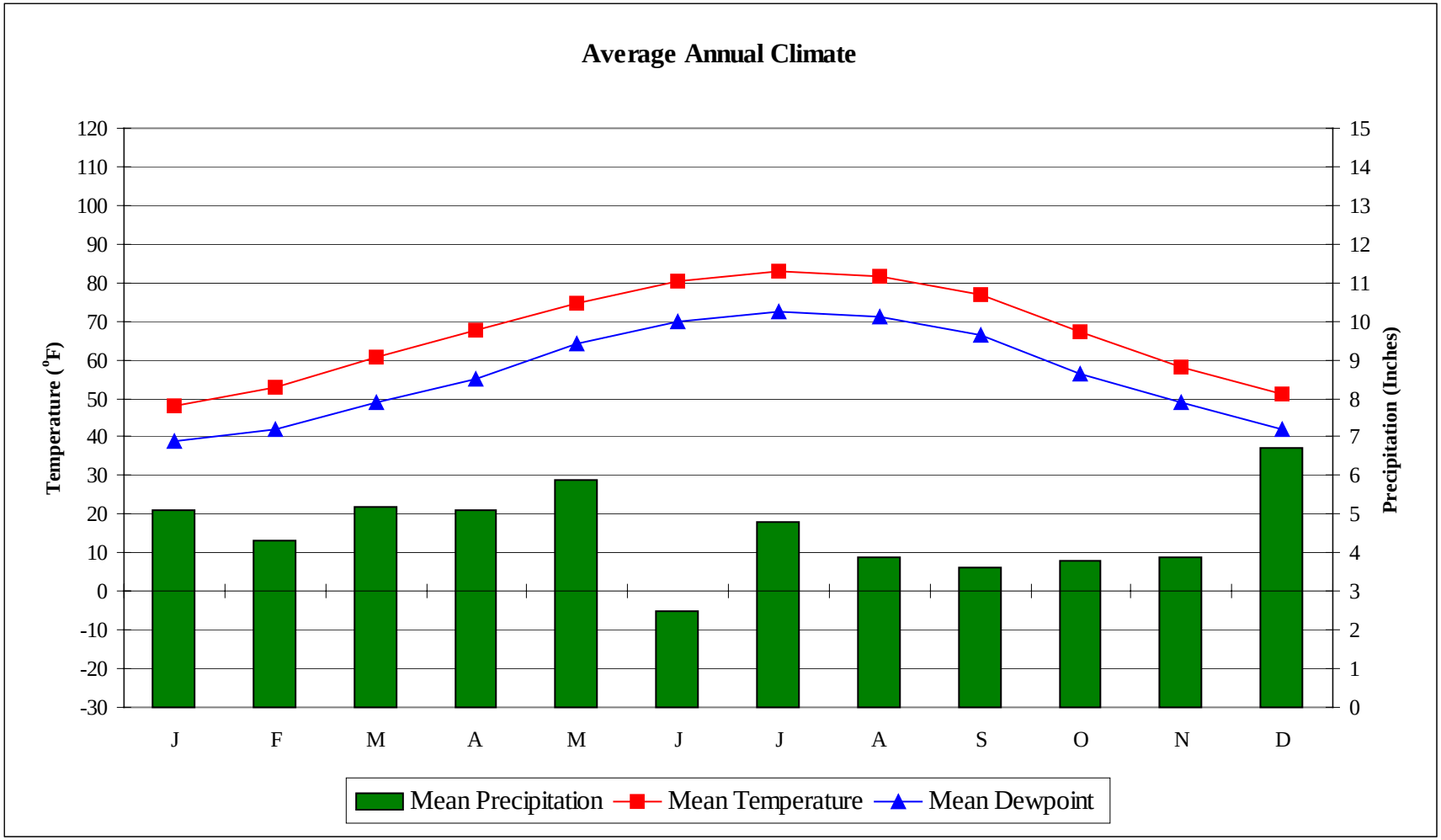
		Mean Coincident (Average) Values			
Dry Bulb Temperature (T)	**Design Value (^oF)**	Wet Bulb Temperature (^oF)	Humidity Ratio (gr/lb)	Wind Speed (mph)	Prevailing Direction (NSEW)
Median of Extreme Highs	99	78	112	7.7	S
0.4% Occurrence	96	78	114	8.0	S
1.0% Occurrence	94	77	114	8.1	S
2.0% Occurrence	93	77	114	8.1	S
Mean Daily Range	20	-	-	-	-
97.5% Occurrence	33	31	22	5.6	N
99.0% Occurrence	29	27	18	5.5	N
99.6% Occurrence	25	23	14	5.7	N
Median of Extreme Lows	20	18	10	5.7	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	90	147	7.8	S
0.4% Occurrence	80	89	135	7.6	S
1.0% Occurrence	80	89	135	7.6	S
2.0% Occurrence	79	89	131	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	160	84	1.06	0.0	CALM
0.4% Occurrence	146	84	0.97	6.7	S
1.0% Occurrence	141	84	0.94	6.6	S
2.0% Occurrence	136	83	0.90	6.5	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	205	2021	2112	3723

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	4.5	90	5.4 + 2.1
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 (#)
69.4	N/A	2	22

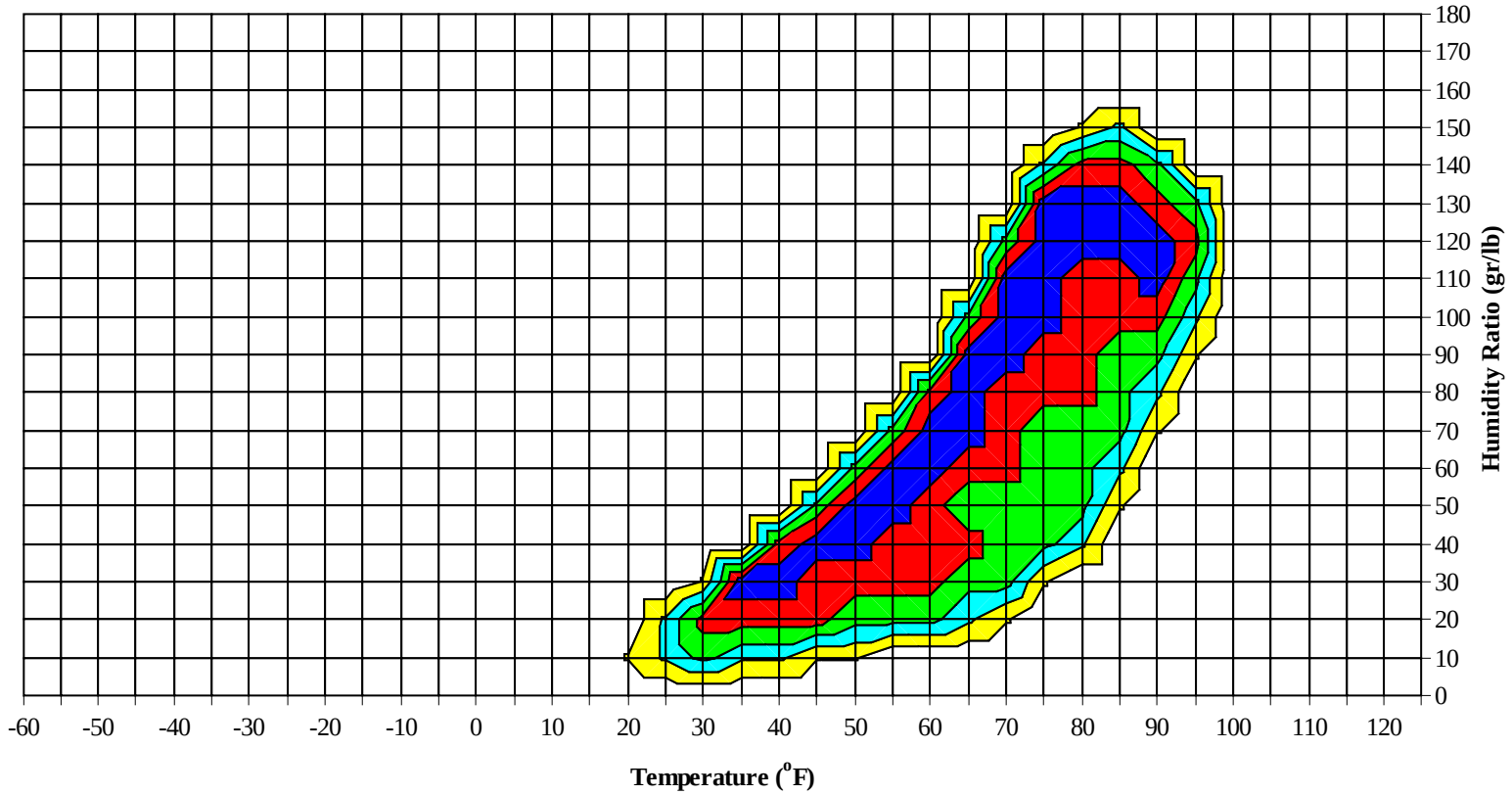
*Note: Temperatures at greater depths can be estimated by adding 1.5^oF per 100 feet additional depth.

ALEXANDRIA/ESLER LA WMO No. 722487



ALEXANDRIA/ESLER LA WMO No. 722487

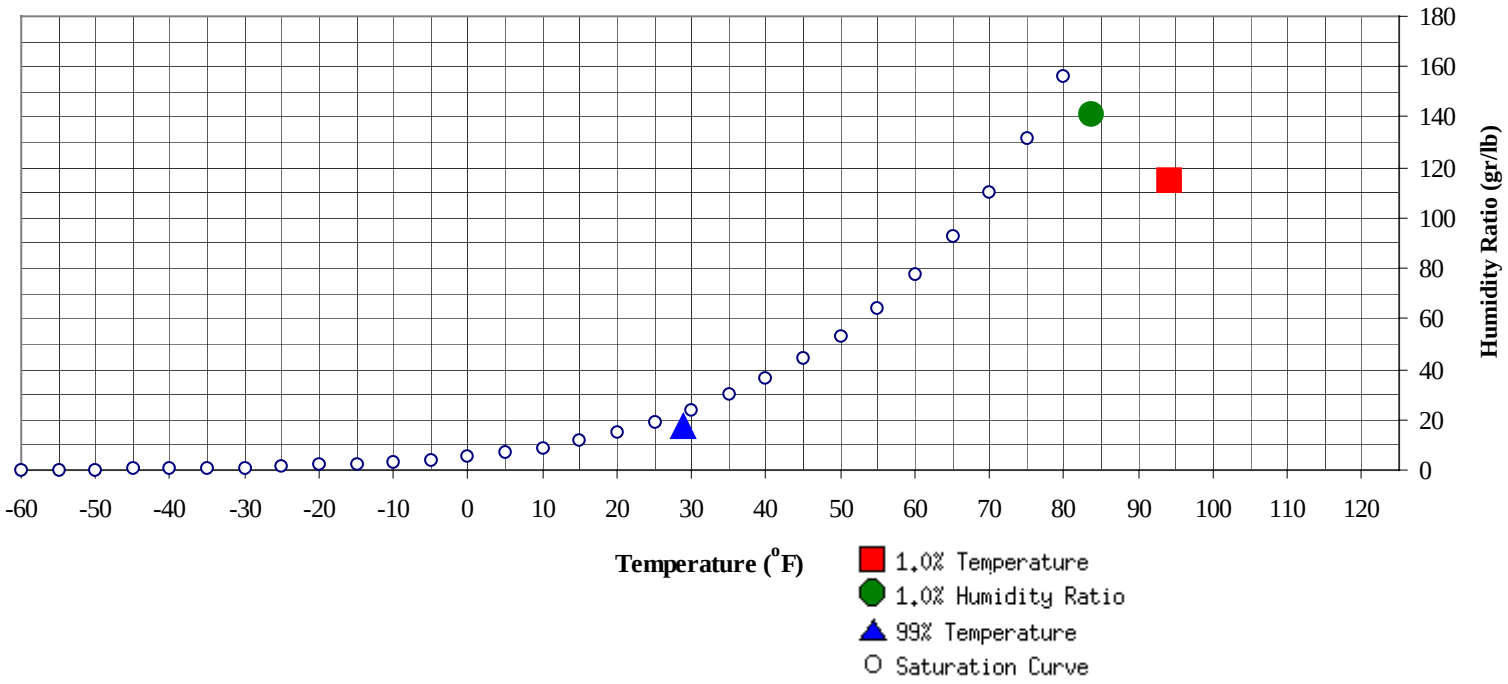
Long Term Psychrometric Summary



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

ALEXANDRIA/ESLER LA WMO No. 722487

Psychrometric Summary of Peak Design Values



	(°F)	MCHR (gr/lb)	Enthalpy (btu/lb)
99% Dry Bulb	29	17.4	9.6

	(gr/lb)	MCDB (°F)	MCWB (°F)	MC Dewpt (°F)	Enthalpy (btu/lb)
1.0% Humidity Ratio	141.4	83.6	78.8	77	42.2

	(°F)	MCHR (gr/lb)	MCWB (°F)	Enthalpy (btu/lb)
1.0% Dry Bulb	94	114.7	77.4	40.6

ALEXANDRIA/ESLER LA WMO No. 722487

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												0		0	65.0
85 / 89							0		0	61.0		1	0	1	67.8
80 / 84							2	0	2	65.2		14	4	18	66.4
75 / 79		5	0	5	66.7		9	4	13	64.5	0	33	15	49	65.3
70 / 74	1	13	7	22	64.1	1	25	16	42	62.6	14	46	41	101	63.4
65 / 69	10	21	18	50	60.9	11	29	24	65	59.8	29	43	42	114	59.9
60 / 64	13	29	22	64	56.4	19	33	31	83	55.5	36	41	45	122	55.8
55 / 59	16	30	26	71	51.6	24	28	32	85	51.4	32	30	34	95	51.7
50 / 54	24	37	35	96	47.4	27	30	33	90	47.1	39	20	32	90	47.9
45 / 49	33	37	41	110	43.3	30	25	29	84	43.0	37	11	16	65	43.9
40 / 44	35	33	38	106	38.8	30	20	24	74	38.6	30	7	14	51	39.7
35 / 39	37	24	32	92	34.2	33	13	17	63	34.4	19	2	4	25	35.3
30 / 34	41	15	20	76	29.9	30	7	8	45	30.2	9	1	2	11	30.7
25 / 29	26	5	8	38	25.4	11	2	3	16	25.7	1	0	0	1	25.7
20 / 24	10	1	1	12	20.2	4	2	1	7	21.3	1			1	21.3
15 / 19	3	0	0	3	16.4	1	0	0	1	16.3					
10 / 14	0	0		0	11.5	0			0	13.5					
5 / 9	0			0	6.0										

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.

ALEXANDRIA/ESLER LA WMO No. 722487

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												0	0	0	76.7
95 / 99							1	0	1	75.7		9	3	13	77.1
90 / 94		1	0	1	65.1		12	3	15	74.5	0	55	23	78	76.3
85 / 89		9	2	11	69.5	0	53	22	75	72.8	1	83	41	126	75.2
80 / 84	0	46	20	66	68.2	2	70	45	118	71.0	22	57	59	138	74.2
75 / 79	3	54	35	91	66.3	23	56	61	140	69.5	66	26	64	156	73.1
70 / 74	27	51	57	136	64.1	63	34	61	159	67.8	98	9	40	146	70.4
65 / 69	44	38	51	133	61.2	83	18	37	137	64.6	36	1	9	46	65.6
60 / 64	51	23	35	109	57.5	43	4	13	60	59.7	13	0	1	14	60.5
55 / 59	38	11	19	67	52.6	20	1	3	25	55.1	4			4	56.0
50 / 54	35	6	13	54	48.8	11	0	1	12	51.2	0			0	50.7
45 / 49	23	2	6	30	45.1	2		0	2	46.2					
40 / 44	13	0	2	15	41.1	0			0	42.5					
35 / 39	4	0	0	4	36.2										
30 / 34	1			1	32.2										
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.

ALEXANDRIA/ESLER LA WMO No. 722487

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		2	1	3	79.0		1	0	1	75.9					
95 / 99		20	7	27	78.3		16	5	21	77.7		4	0	4	76.6
90 / 94	0	86	33	118	77.4	0	81	27	109	77.1	0	34	7	41	75.3
85 / 89	2	80	44	126	76.9	1	80	41	122	76.1	0	70	25	95	74.5
80 / 84	34	42	67	142	76.1	20	45	61	126	75.3	4	57	44	104	72.9
75 / 79	94	15	68	176	74.4	80	19	71	171	73.9	35	39	67	141	71.7
70 / 74	107	4	28	139	71.5	119	5	40	164	71.0	96	24	61	181	69.0
65 / 69	10	0	1	11	66.7	22	0	3	25	65.8	48	9	21	77	64.0
60 / 64	1			1	62.4	5		0	5	60.7	29	3	10	42	59.2
55 / 59	0			0	58.0	1			1	56.7	18	1	5	23	54.7
50 / 54											6		1	7	50.3
45 / 49											4			4	46.6
40 / 44											0			0	41.5
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.

ALEXANDRIA/ESLER LA WMO No. 722487

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)				MCWB	Hour Group (LST)				MCWB	Hour Group (LST)				MCWB
	01 To 08	09 To 16	17 To 00	Total Obs	(°F)	01 To 08	09 To 16	17 To 00	Total Obs	(°F)	01 To 08	09 To 16	17 To 00	Total Obs	(°F)
100 / 104															
95 / 99															
90 / 94		2	0	2	73.5										
85 / 89	0	21	3	24	71.5		1		1	71.5					
80 / 84	0	50	12	63	68.8		11	1	12	69.5		1		1	71.2
75 / 79	6	51	29	86	66.7	1	28	7	36	68.3	0	9	2	11	68.2
70 / 74	26	53	53	131	64.9	15	38	25	79	65.6	4	21	13	38	65.8
65 / 69	35	35	46	116	61.7	22	37	36	95	61.4	14	27	19	60	61.7
60 / 64	45	19	43	107	58.2	24	37	36	97	56.7	20	35	27	82	56.6
55 / 59	42	12	33	86	54.0	28	36	34	98	51.9	23	37	32	92	51.9
50 / 54	42	4	19	64	49.8	32	26	38	97	48.1	26	36	35	97	47.1
45 / 49	28	1	8	37	45.6	35	15	29	79	43.8	30	33	37	99	43.2
40 / 44	17	1	2	20	40.9	32	8	21	61	39.6	34	26	37	97	39.0
35 / 39	6	0	0	6	36.9	27	2	11	40	35.6	33	13	26	72	34.4
30 / 34	1		0	1	31.4	20	1	3	23	31.3	43	7	13	62	30.0
25 / 29	0			0	28.0	3	0	0	3	25.8	16	2	5	23	25.4
20 / 24						0		0	0	20.7	4	1	1	6	19.9
15 / 19						0			0	18.0	3	1	1	5	15.1
10 / 14											0	0	0	0	10.1
5 / 9											0		0	0	6.3

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.

ALEXANDRIA/ESLER LA WMO No. 722487

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

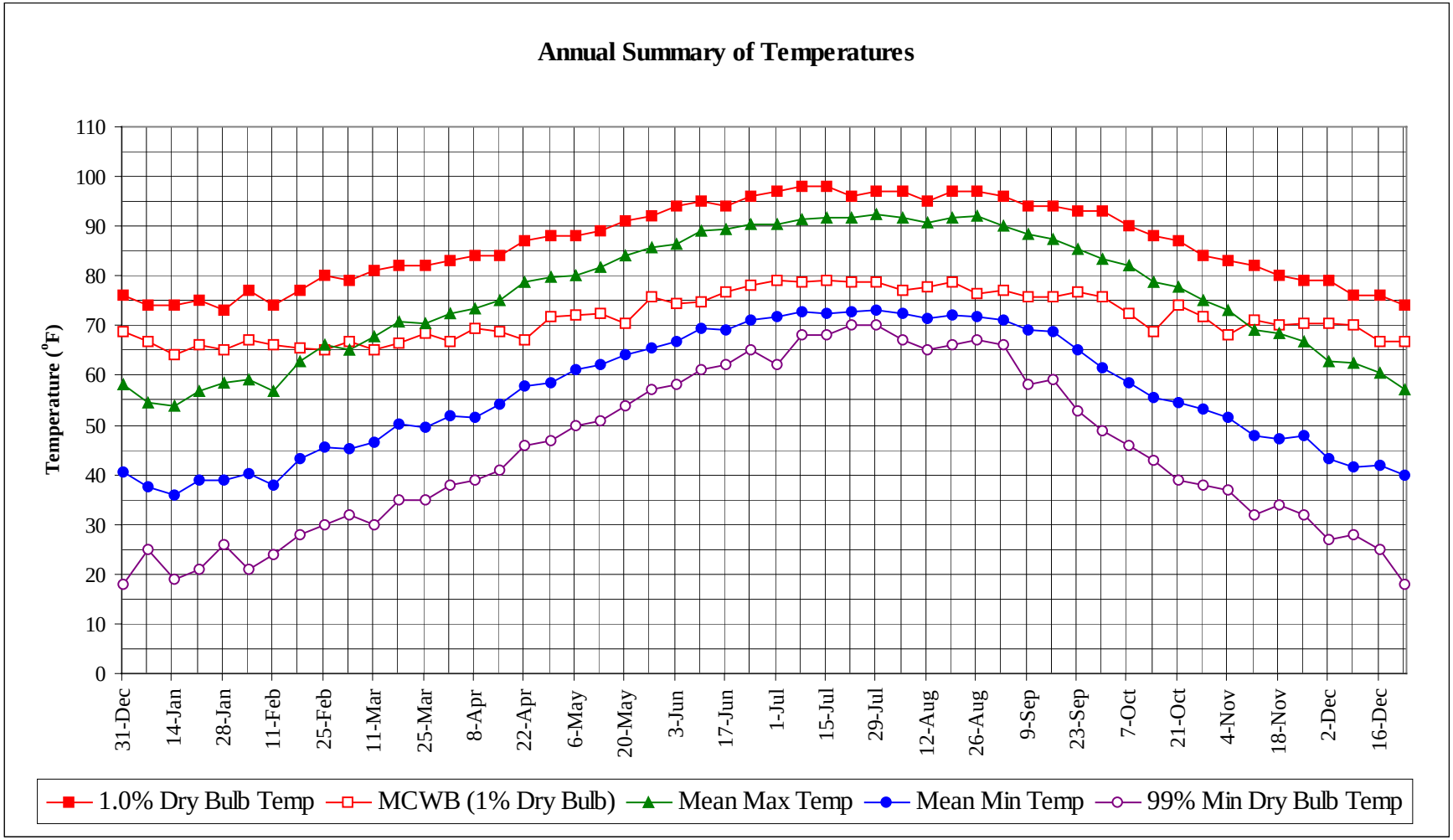
Period of Record = 1973 to 1996

Annual Totals

Temperature Range (°F)	Hour Group (LST) 01 To 08	09 To 16	17 To 00	Total Obs	MCWB (°F)
100 / 104		2	1	3	78.3
95 / 99		49	15	64	77.7
90 / 94	0	269	89	358	76.6
85 / 89	5	397	169	571	75.0
80 / 84	90	395	296	781	72.6
75 / 79	333	345	404	1082	70.7
70 / 74	609	323	432	1364	67.4
65 / 69	373	257	310	941	62.1
60 / 64	297	225	271	793	57.1
55 / 59	239	184	226	649	52.3
50 / 54	232	160	214	607	47.9
45 / 49	210	123	176	509	43.7
40 / 44	177	94	149	420	39.2
35 / 39	145	55	96	295	34.6
30 / 34	130	30	50	210	30.2
25 / 29	52	8	17	77	25.5
20 / 24	18	3	2	23	20.5
15 / 19	6	1	2	9	15.8
10 / 14	1	0	0	1	10.6
5 / 9	1		0	1	6.3

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.

ALEXANDRIA/ESLER LA WMO No. 722487



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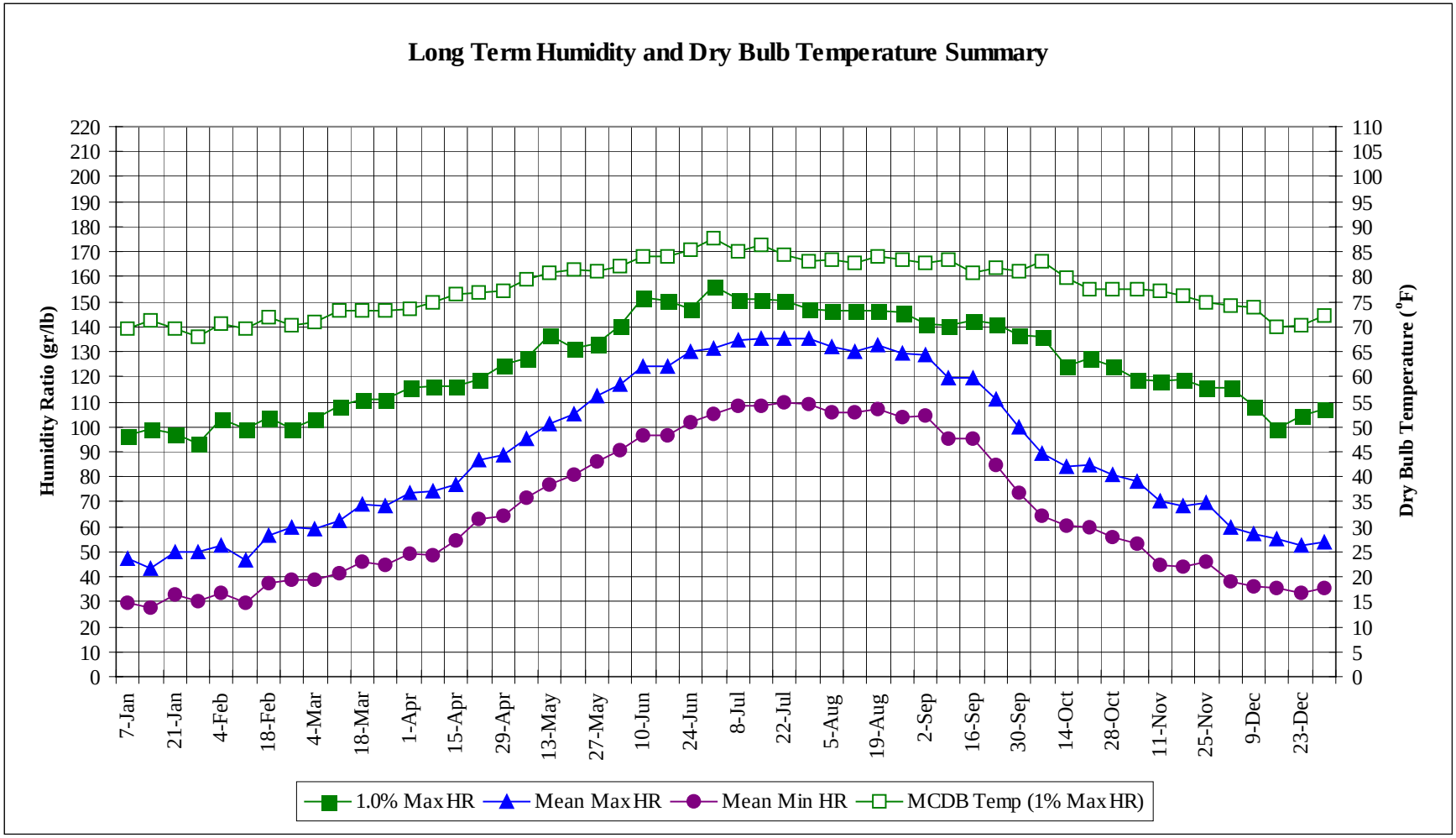
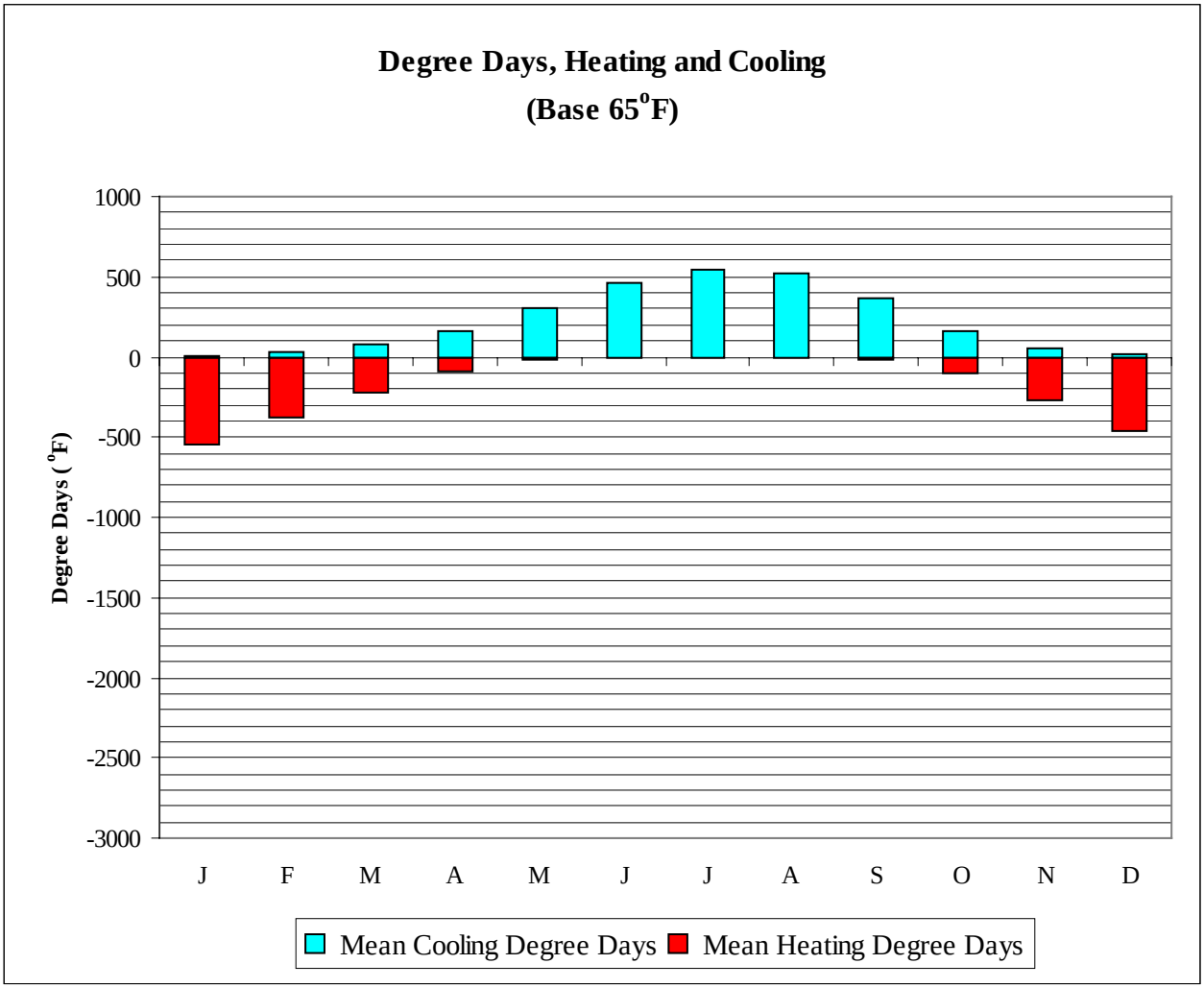


ALEXANDRIA/ESLER LA WMO No. 722487

Long Term Dry Bulb Temperature and Humidity Summary

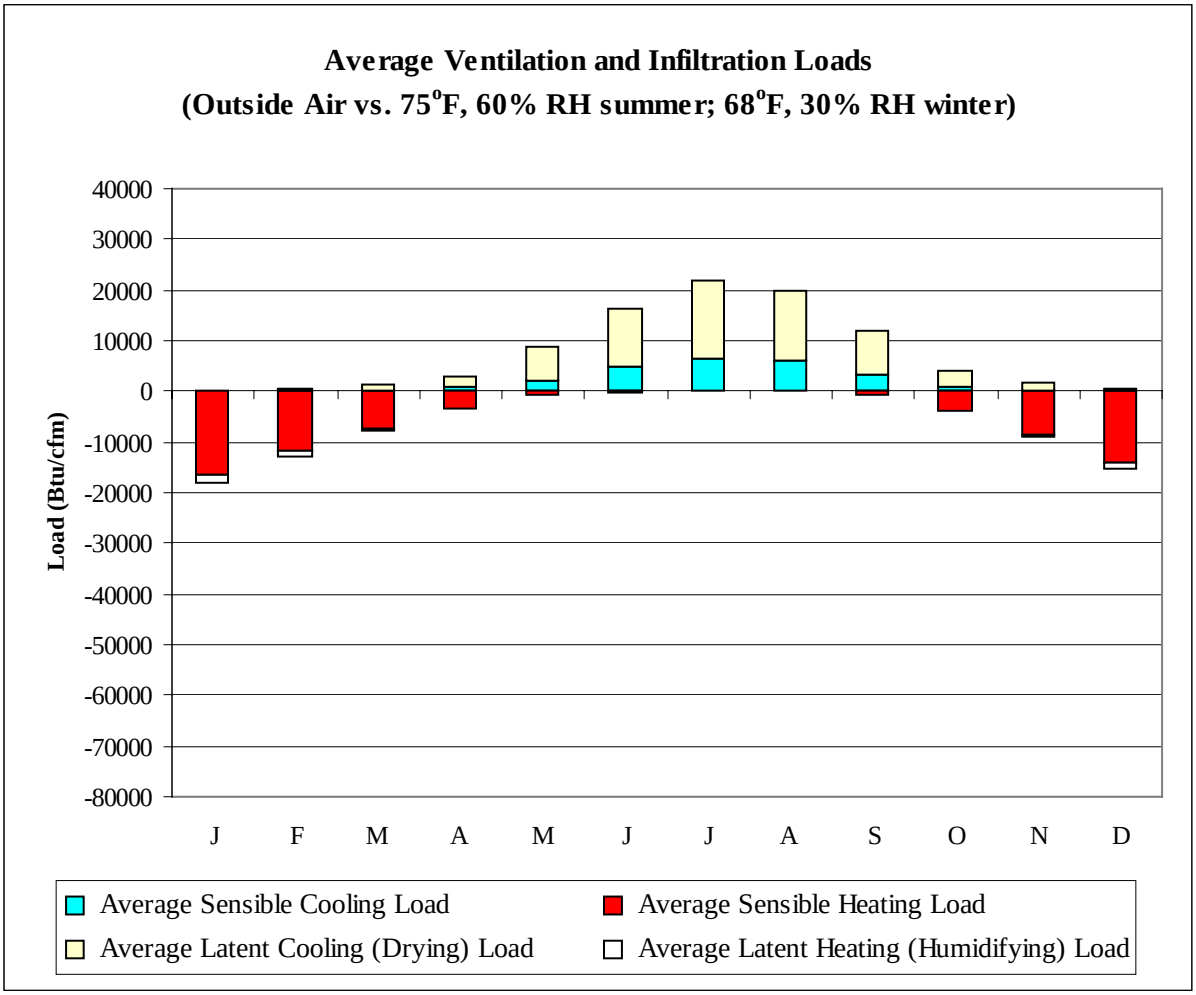
Week Ending	1.0% Temp (°F)	MCWB @ 1% Temp (°F)	Mean Max Temp (°F)	Mean Min Temp (°F)	99% Temp (°F)	1.0% HR (gr/lb)	MCDB @ 1% HR (°F)	Mean Max HR (gr/lb)	Mean Min HR (gr/lb)
7-Jan	74.0	66.8	54.4	37.6	25.0	96.6	69.7	47.2	29.3
14-Jan	74.0	64.2	53.7	35.9	19.0	99.4	71.3	43.6	27.3
21-Jan	75.0	66.0	56.7	38.9	21.0	97.3	69.7	50.0	33.0
28-Jan	73.0	65.1	58.5	38.8	26.0	93.1	67.9	50.1	30.5
4-Feb	77.0	67.0	59.0	40.1	21.0	102.9	70.8	52.3	33.4
11-Feb	74.0	66.0	56.8	37.8	24.0	99.4	69.6	46.5	29.6
18-Feb	77.0	65.5	62.7	43.2	28.0	103.6	71.8	56.7	37.2
25-Feb	80.0	65.1	66.2	45.4	30.0	99.4	70.1	59.4	38.4
4-Mar	79.0	66.9	65.3	45.2	32.0	102.9	70.8	58.8	39.0
11-Mar	81.0	65.0	67.7	46.7	30.0	108.5	73.1	62.1	41.5
18-Mar	82.0	66.5	70.9	50.1	35.0	111.3	73.2	68.8	45.7
25-Mar	82.0	68.6	70.5	49.4	35.0	111.3	73.2	68.1	44.8
1-Apr	83.0	66.7	72.6	51.8	38.0	115.5	73.4	73.6	49.5
8-Apr	84.0	69.5	73.5	51.6	39.0	116.2	74.9	74.1	48.7
15-Apr	84.0	68.9	75.2	54.3	41.0	116.2	76.4	76.8	54.7
22-Apr	87.0	67.1	78.9	57.9	46.0	119.0	76.9	86.7	62.9
29-Apr	88.0	71.9	79.8	58.4	47.0	124.6	77.1	88.6	64.5
6-May	88.0	72.3	80.0	61.0	50.0	127.4	79.4	95.5	71.3
13-May	89.0	72.6	81.8	62.1	51.0	136.5	80.7	101.3	76.6
20-May	91.0	70.5	84.2	64.1	54.0	131.6	81.5	104.9	80.7
27-May	92.0	75.8	85.6	65.5	57.0	133.0	81.0	112.0	85.8
3-Jun	94.0	74.6	86.5	66.9	58.0	140.7	82.2	117.2	90.4
10-Jun	95.0	74.9	88.9	69.6	61.0	151.9	84.0	124.0	96.3
17-Jun	94.0	76.9	89.5	69.0	62.0	150.5	83.9	124.0	96.4
24-Jun	96.0	78.0	90.3	71.0	65.0	147.0	85.3	130.1	101.7
1-Jul	97.0	79.1	90.5	71.9	62.0	156.1	87.5	131.4	105.3
8-Jul	98.0	78.8	91.4	72.7	68.0	151.2	85.2	134.7	108.4
15-Jul	98.0	79.1	91.8	72.6	68.0	151.2	86.2	135.3	108.5
22-Jul	96.0	78.7	91.9	72.7	70.0	150.5	84.5	135.2	109.6
29-Jul	97.0	78.9	92.4	73.1	70.0	147.0	83.2	135.3	109.3
5-Aug	97.0	77.1	91.7	72.6	67.0	146.3	83.5	132.2	105.5
12-Aug	95.0	77.7	90.7	71.6	65.0	146.3	82.9	130.1	105.9
19-Aug	97.0	78.6	91.7	72.2	66.0	146.3	84.2	133.0	107.2
26-Aug	97.0	76.6	92.1	71.7	67.0	145.6	83.4	129.4	103.8
2-Sep	96.0	77.3	90.1	71.1	66.0	141.4	82.7	128.8	104.4
9-Sep	94.0	75.9	88.5	69.0	58.0	140.7	83.3	119.6	95.5
16-Sep	94.0	75.9	87.4	68.9	59.0	142.8	80.6	119.7	95.0
23-Sep	93.0	76.9	85.3	65.2	53.0	141.4	81.9	111.3	85.0
30-Sep	93.0	75.7	83.3	61.4	49.0	136.5	81.0	99.9	73.7
7-Oct	90.0	72.4	82.0	58.5	46.0	135.8	83.2	89.6	64.6
14-Oct	88.0	68.9	78.8	55.4	43.0	123.9	79.7	84.2	60.2
21-Oct	87.0	74.2	77.9	54.6	39.0	127.4	77.5	84.8	59.7
28-Oct	84.0	71.8	75.2	53.1	38.0	123.9	77.5	80.9	55.5
4-Nov	83.0	68.2	73.0	51.5	37.0	119.0	77.6	78.2	53.3
11-Nov	82.0	71.0	69.3	47.8	32.0	118.3	77.1	70.3	44.7
18-Nov	80.0	70.0	68.5	47.2	34.0	119.0	76.1	68.4	43.8
25-Nov	79.0	70.4	66.8	47.8	32.0	115.5	75.0	69.5	45.9
2-Dec	79.0	70.5	62.9	43.2	27.0	115.5	74.2	59.5	38.3
9-Dec	76.0	70.3	62.6	41.6	28.0	108.5	74.0	57.2	35.8
16-Dec	76.0	66.9	60.3	41.9	25.0	99.4	69.9	55.2	35.4
23-Dec	74.0	66.9	57.1	40.0	18.0	104.3	70.4	52.6	33.6
31-Dec	76.0	68.9	58.3	40.6	18.0	107.1	72.2	54.1	35.7

ALEXANDRIA/ESLER LA WMO No. 722487



	Mean Cooling Degree Days (°F)	Mean Heating Degree Days (°F)
JAN	11	549
FEB	25	381
MAR	73	219
APR	157	87
MAY	306	16
JUN	463	2
JUL	547	0
AUG	520	0
SEP	366	13
OCT	167	102
NOV	58	264
DEC	21	460
ANN	2715	2093

ALEXANDRIA/ESLER LA WMO No. 722487



	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	7	-16503	299	-1462
FEB	39	-11778	384	-953
MAR	204	-7339	1117	-393
APR	751	-3275	2264	-75
MAY	2298	-794	6345	0
JUN	4895	-111	11614	0
JUL	6427	-6	15401	0
AUG	5886	-36	13790	0
SEP	3328	-592	8837	0
OCT	947	-3730	2941	-49
NOV	147	-8554	1455	-428
DEC	18	-14073	597	-1153
ANN	24947	-66791	65044	-4513

Average Annual Solar Radiation – Nearest Available Site

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

City: BATON ROUGE
State: LA
WBAN No: 13970
Lat(N): 30.53
Long(W): 91.15
Elev(ft): 75

Stn Type: Secondary
SHADING GEOMETRY IN DIMENSIONLESS UNITS
Window: 1
Overhang: 0.898
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	840	1100	1390	1700	1870	1920	1810	1720	1520	1350	960	800	1420
	Std Dev	68	103	108	137	126	150	127	125	107	110	80	66	36
	Minimum	700	940	1190	1450	1670	1600	1620	1530	1280	1090	750	680	1340
	Maximum	990	1280	1650	2100	2170	2150	2120	1990	1710	1570	1090	940	1470
	Diffuse	410	490	600	710	820	870	870	800	680	500	420	370	630
Clear Day	Global	1280	1600	1990	2320	2500	2550	2490	2320	2020	1650	1310	1170	1930
NORTH	Global	250	310	380	450	550	620	570	480	410	340	270	240	410
	Diffuse	250	310	380	440	490	520	510	460	410	340	270	240	380
Clear Day	Global	230	290	350	430	580	690	630	490	400	320	250	230	410
EAST	Global	500	640	770	920	1000	1060	1020	1000	890	800	580	490	810
	Diffuse	300	360	450	530	600	630	620	580	510	420	330	280	470
Clear Day	Global	860	1020	1200	1310	1340	1340	1310	1260	1170	1010	850	790	1120
SOUTH	Global	1010	1090	1010	840	660	590	610	750	960	1250	1140	1060	910
	Diffuse	390	440	490	520	520	520	520	530	530	500	420	370	480
Clear Day	Global	2000	1900	1570	1090	750	630	680	930	1340	1710	1890	1960	1370
WEST	Global	530	680	830	960	1000	960	880	850	820	800	610	510	790
	Diffuse	300	370	460	540	600	620	600	570	510	420	330	280	470
Clear Day	Global	860	1020	1200	1310	1340	1340	1310	1260	1170	1010	850	790	1120

Average Annual Solar Heat and Illumination – Nearest Available Site

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

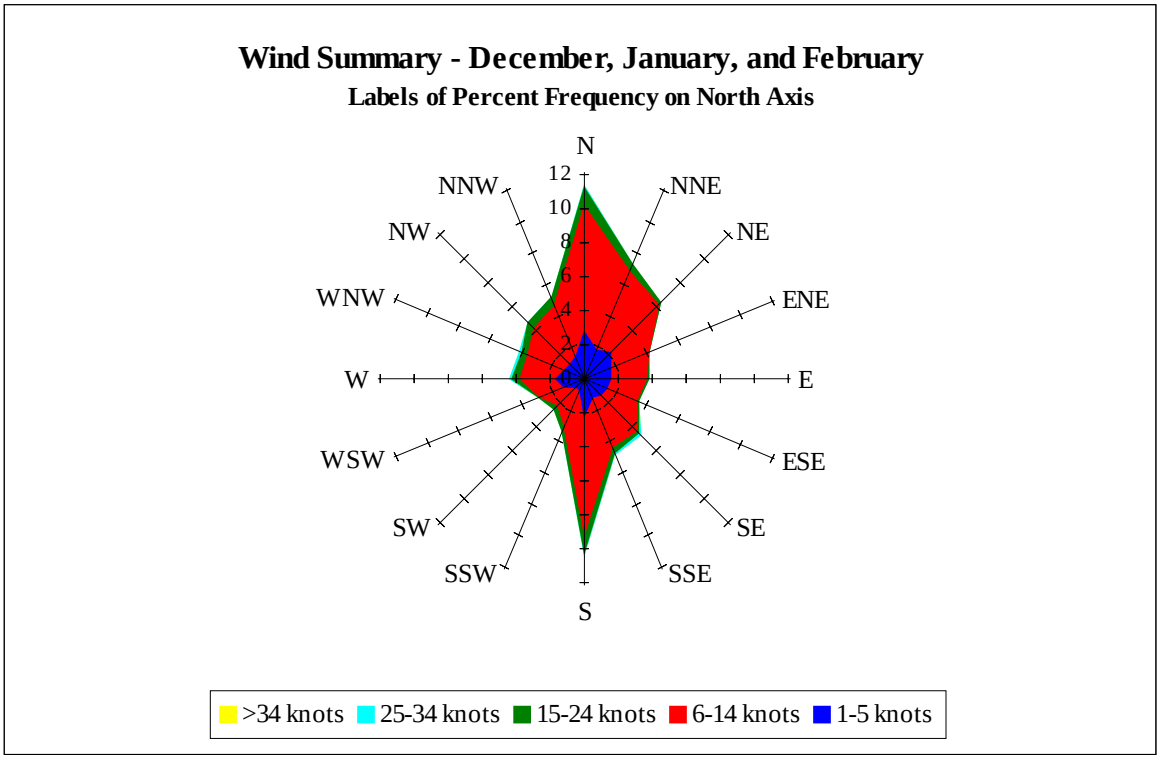
AVERAGE TRANSMITTED SOLAR RADIATION (Btu/sq.ft./day) FOR DOUBLE GLAZING, Percentage Uncertainty = 9

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
HORIZ	Unshaded	570	770	1000	1240	1370	1400	1320	1250	1100	970	670	540	1020
NORTH	Unshaded	180	210	260	310	360	400	370	330	280	230	190	160	270
	Shaded	150	180	230	270	310	340	320	290	250	210	160	140	240
EAST	Unshaded	350	450	550	650	700	750	720	710	630	560	400	340	570
	Shaded	300	380	450	530	570	610	590	590	530	470	340	290	470
SOUTH	Unshaded	750	780	670	510	400	370	380	450	620	870	830	790	620
	Shaded	700	630	380	310	320	320	320	320	330	610	750	750	480
WEST	Unshaded	370	480	590	680	710	680	620	600	580	570	420	350	550
	Shaded	310	410	490	560	580	550	500	490	480	480	360	300	460

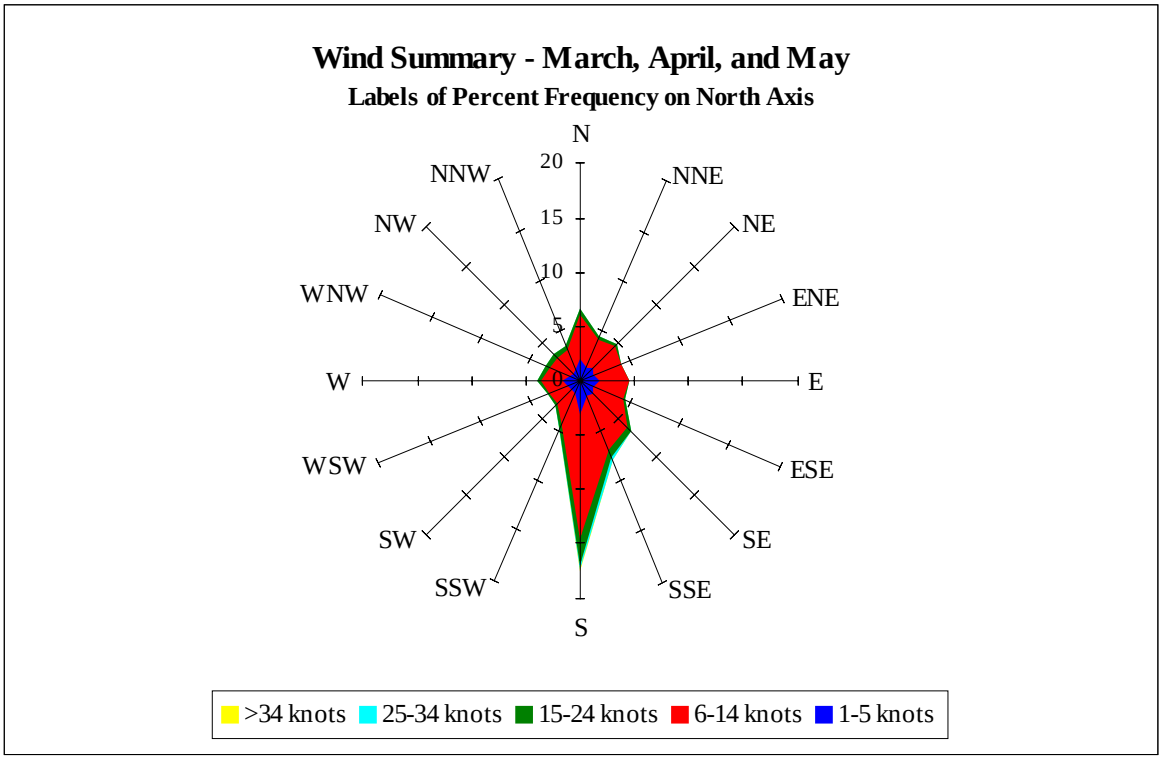
AVERAGE INCIDENT ILLUMINANCE (klux-hr) FOR MOSTLY CLEAR AND MOSTLY CLOUDY CONDITIONS, Percentage Uncertainty = 9

		March					June				
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	45	82	93	74	32	42	83	101	95	66
	M.Cloudy	24	48	57	44	19	30	61	75	69	45
NORTH	M.Clear	11	15	16	14	9	23	18	17	18	20
	M.Cloudy	10	17	18	15	8	17	18	18	19	17
EAST	M.Clear	79	59	16	14	9	69	72	32	18	16
	M.Cloudy	24	32	18	15	8	37	49	28	19	15
SOUTH	M.Clear	36	64	73	58	26	13	20	31	28	16
	M.Cloudy	15	34	41	31	13	11	20	27	25	15
WEST	M.Clear	11	15	23	70	70	13	18	17	52	75
	M.Cloudy	10	17	21	35	25	11	18	18	39	43
M.Clear	(% hrs)	34	33	32	34	39	50	39	33	32	31

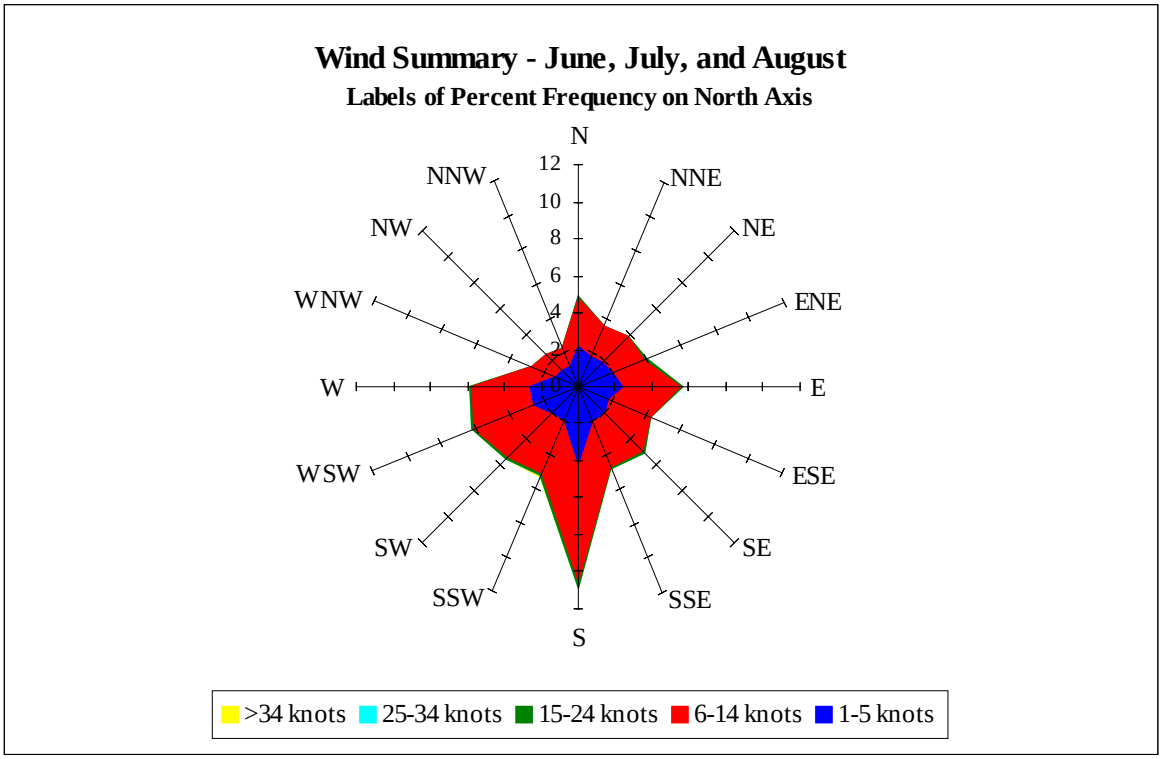
		Sept					Dec				
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	29	72	92	84	50	25	56	63	43	7
	M.Cloudy	18	47	64	57	32	13	31	36	24	4
NORTH	M.Clear	9	16	18	17	13	7	12	13	10	3
	M.Cloudy	8	16	19	18	12	6	12	13	10	2
EAST	M.Clear	62	71	30	17	13	57	44	13	10	3
	M.Cloudy	22	40	26	18	12	13	20	13	10	2
SOUTH	M.Clear	18	49	65	59	33	49	83	90	70	17
	M.Cloudy	10	30	43	37	19	12	30	36	24	5
WEST	M.Clear	9	16	18	54	72	7	12	24	58	26
	M.Cloudy	8	16	19	36	34	6	12	17	21	6
M.Clear	(% hrs)	51	46	36	34	35	32	35	33	33	35



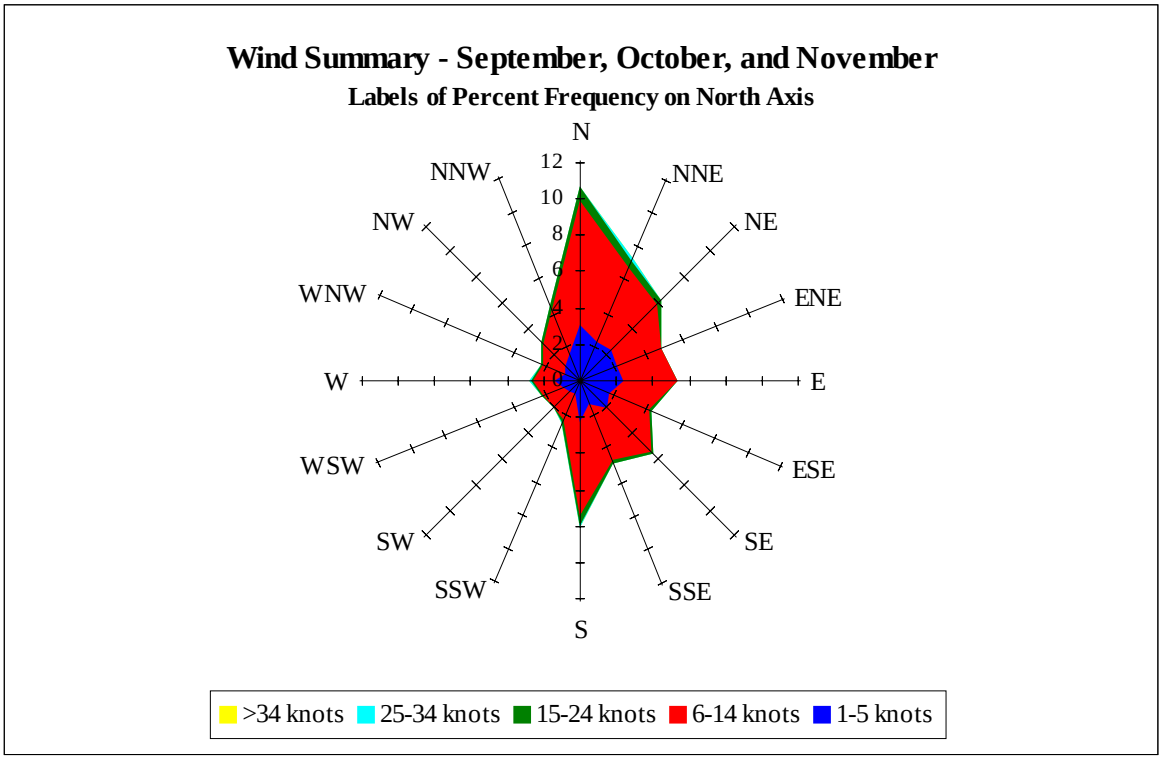
Percent Calm = 17.84



Percent Calm = 15.58



Percent Calm = 23.06



Percent Calm = 24.87