ENGLAND AFB/ALEXANDRIA LA	
Latitude = 31.33 N	WMO No. 747540
Longitude = 92.55 W	Elevation = 89 feet
Period of Record = 1967 to 1996	Average Pressure = 29.92 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	98	78	112	3.7	S
0.4% Occurrence	95	78	114	4.1	S
1.0% Occurrence	94	78	115	4.1	S
2.0% Occurrence	92	77	116	4.1	S
Mean Daily Range	20	-	-	-	-
97.5% Occurrence	34	31	20	4.0	N
99.0% Occurrence	29	26	15	4.7	N
99.6% Occurrence	26	24	13	4.7	N
Median of Extreme Lows	20	17	9	5.6	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	151	3.5	S
0.4% Occurrence	81	91	143	3.7	S
1.0% Occurrence	80	90	137	3.9	S
2.0% Occurrence	79	89	133	4.0	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	152	85	1.00	5.6	ESE
0.4% Occurrence	146	86	0.97	2.8	W
1.0% Occurrence	141	86	0.94	3.0	S
2.0% Occurrence	136	85	0.90	3.0	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	142	1745	1927	3649

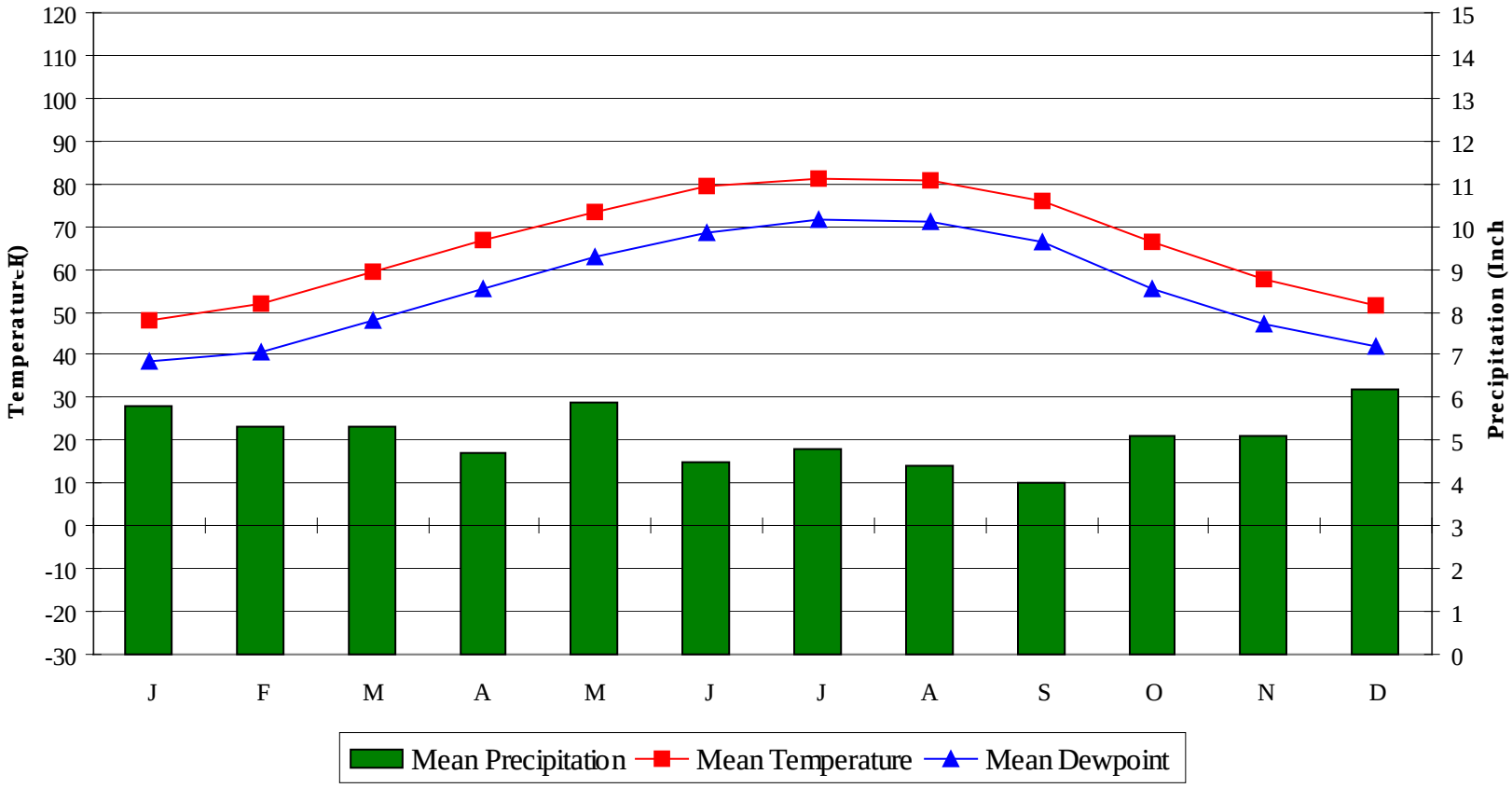
Other Site Data

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	5.8 + 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 (#)**
68.7	0	2	17

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

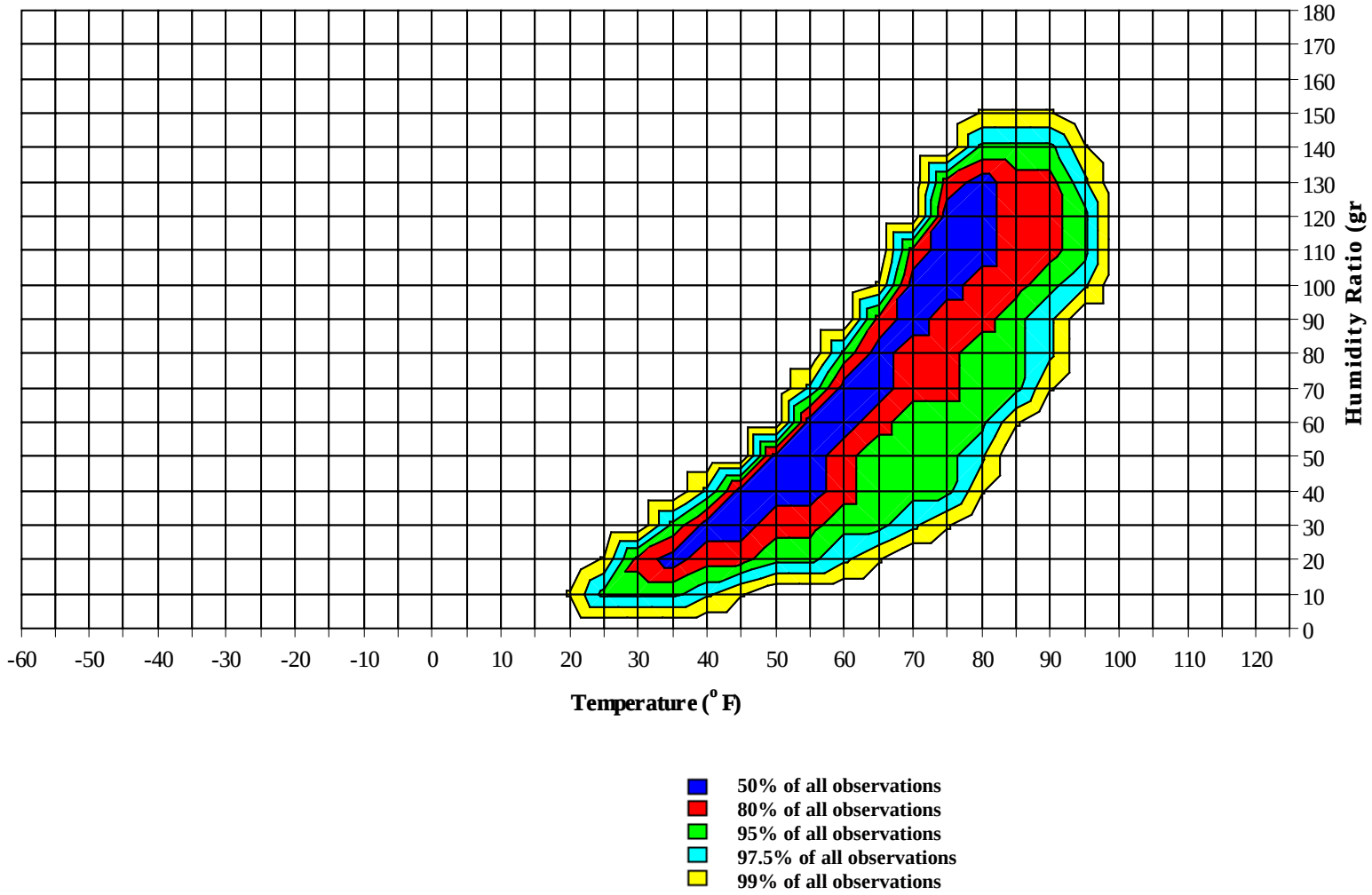
ENGLAND AFB/ALEXANDRIA LA WMO No. 747540

Average Annual Climate



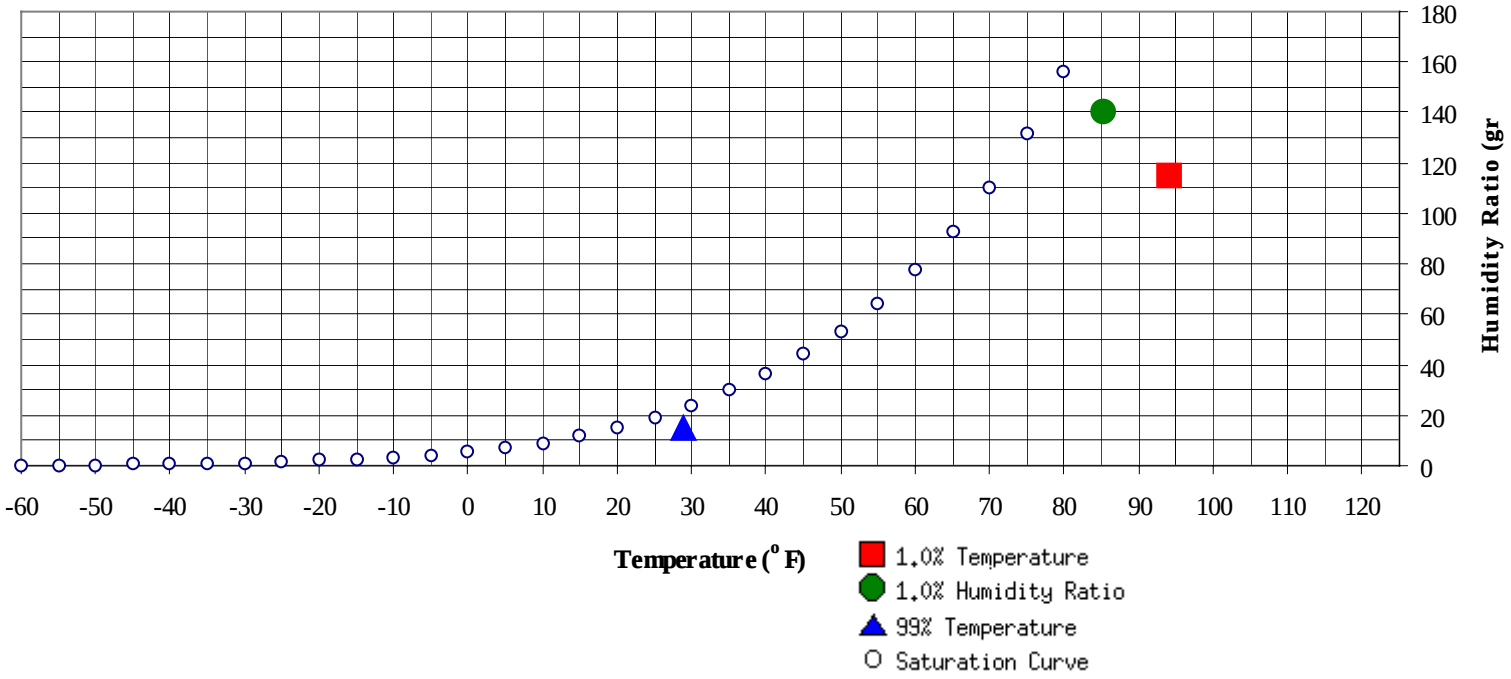
ENGLAND AFB/ALEXANDRIA LA WMO No. 747540

Long Term Psychrometric Summary



ENGLAND AFB/ALEXANDRIA LA WMO No. 747540

Psychrometric Summary of Peak Design Values



	(°F)	MCHR (gr/lb)	Enthalpy (btu/lb)
99% Dry Bulb	29	15.4	9.3

	(gr/lb)	MCDB (°F)	MCWB (°F)	MC Dewpt (°F)	Enthalpy (btu/lb)
1.0% Humidity Ratio	140.7	85.3	79.2	77	42.6

	(°F)	MCHR (gr/lb)	MCWB (°F)	Enthalpy (btu/lb)
1.0% Dry Bulb	94	115.1	77.5	40.7

ENGLAND AFB/ALEXANDRIA LA WMO No. 747540

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

Period of Record = 1967 to 1996

Temperature Range (°F)	January					February					March				
	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															
85 / 89							0		0	62.0		1	0	1	70.1
80 / 84							3	0	3	66.2		12	2	14	68.0
75 / 79		7	1	8	67.0	0	11	3	14	65.0	1	33	14	48	66.1
70 / 74	3	15	8	26	64.9	2	24	12	38	62.7	14	45	34	93	63.7
65 / 69	10	24	19	53	61.6	10	28	22	60	59.7	22	44	40	105	59.8
60 / 64	14	28	24	67	56.8	19	32	30	80	55.9	36	39	47	122	56.0
55 / 59	19	31	27	77	51.9	22	31	35	88	51.3	36	32	41	109	51.4
50 / 54	25	33	33	91	47.2	33	29	36	98	46.9	42	21	34	97	47.2
45 / 49	31	35	37	103	42.7	34	25	30	89	42.3	43	13	21	77	43.1
40 / 44	37	32	39	108	38.1	31	20	28	79	37.8	30	7	12	49	38.9
35 / 39	43	24	34	101	33.6	33	11	16	60	33.8	14	2	4	20	34.1
30 / 34	38	13	19	70	29.3	25	7	10	42	29.4	6	0	1	7	29.6
25 / 29	20	5	7	32	25.0	10	2	3	15	24.9	2	0	0	2	24.5
20 / 24	6	1	1	8	19.8	2	1	1	4	20.7	0			0	21.7
15 / 19	1	0	0	1	15.3	1	0		1	16.1					
10 / 14	0			0	10.2										
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.

ENGLAND AFB/ALEXANDRIA LA WMO No. 747540

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

Period of Record = 1967 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	77.5
95 / 99							0	0	0	75.2		8	2	10	77.1
90 / 94		0		0	68.7		10	2	12	74.3		60	17	77	76.3
85 / 89		8	1	9	71.7		55	14	69	73.0	1	82	33	116	75.0
80 / 84		44	11	55	69.4	2	74	33	109	70.8	19	57	55	131	73.6
75 / 79	7	61	35	103	67.2	25	57	60	142	69.1	80	25	77	182	72.3
70 / 74	33	53	56	142	64.8	70	33	71	173	67.1	97	8	43	148	69.2
65 / 69	46	37	54	136	61.3	79	14	44	136	63.4	28	1	10	39	64.1
60 / 64	48	23	40	110	57.1	39	4	17	60	58.7	14	0	2	16	59.5
55 / 59	42	10	23	74	52.5	21	1	7	29	54.2	2		0	2	55.1
50 / 54	33	4	15	52	48.0	10		1	11	50.0	0			0	49.7
45 / 49	21	1	5	27	44.2	2		0	2	46.3					
40 / 44	8	0	2	10	39.8	0			0	43.0					
35 / 39	2		0	2	35.5										
30 / 34	0			0	31.3										
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.

ENGLAND AFB/ALEXANDRIA LA WMO No. 747540

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

Period of Record = 1967 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	77.9		1	0	1	75.9		0		0	78.5
95 / 99		17	4	21	78.3		14	2	16	78.3		5	1	6	76.7
90 / 94	0	82	22	104	77.7	0	81	18	99	77.6		37	5	42	76.6
85 / 89	2	81	33	116	76.9	0	82	32	114	76.5		70	17	87	74.9
80 / 84	29	47	70	145	75.4	20	47	66	133	75.2	6	60	37	103	73.2
75 / 79	123	18	89	230	73.3	117	19	95	231	73.3	58	39	78	175	71.8
70 / 74	83	4	28	115	70.2	95	4	32	131	70.0	83	19	54	156	68.5
65 / 69	9	0	2	11	65.4	13		2	15	64.4	37	8	25	70	63.3
60 / 64	1		0	1	60.2	3		0	3	59.1	27	2	14	43	58.9
55 / 59						0			0	54.5	18	1	6	25	54.4
50 / 54											8		2	10	49.8
45 / 49											3		0	3	45.6
40 / 44											0		0	0	41.8
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.

ENGLAND AFB/ALEXANDRIA LA WMO No. 747540

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

Period of Record = 1967 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	74.0										
90 / 94		4	0	4	73.8										
85 / 89		25	3	28	71.9		1		1	72.4					
80 / 84	1	50	12	63	69.3		16	0	16	69.4		1		1	70.0
75 / 79	8	54	30	93	67.0	1	30	9	40	67.6	1	12	3	16	68.6
70 / 74	31	47	48	127	65.1	16	37	24	76	64.9	8	24	14	46	65.8
65 / 69	39	35	48	122	61.4	22	37	36	95	60.7	16	28	22	66	61.8
60 / 64	42	17	39	98	57.5	28	36	36	100	56.3	19	32	28	79	56.8
55 / 59	38	10	35	83	53.3	30	33	37	100	51.6	22	37	31	91	51.7
50 / 54	40	4	21	65	48.8	34	25	36	96	47.3	29	37	36	103	47.2
45 / 49	29	1	10	40	44.7	38	16	31	84	43.1	36	33	42	112	42.7
40 / 44	16		2	18	40.2	32	8	20	60	39.0	37	24	35	96	38.4
35 / 39	3		0	3	35.7	22	2	9	33	34.7	34	12	21	67	33.8
30 / 34	0		0	0	30.8	13	0	3	16	30.4	29	6	11	46	29.4
25 / 29	0			0	26.8	4	0	0	4	25.6	11	1	3	15	24.7
20 / 24						0			0	22.0	3	1	1	5	19.1
15 / 19											1	0	1	2	14.4
10 / 14											1	0	0	1	10.2
5 / 9											0			0	7.0

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.

ENGLAND AFB/ALEXANDRIA LA WMO No. 747540

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

Period of Record = 1967 to 1996

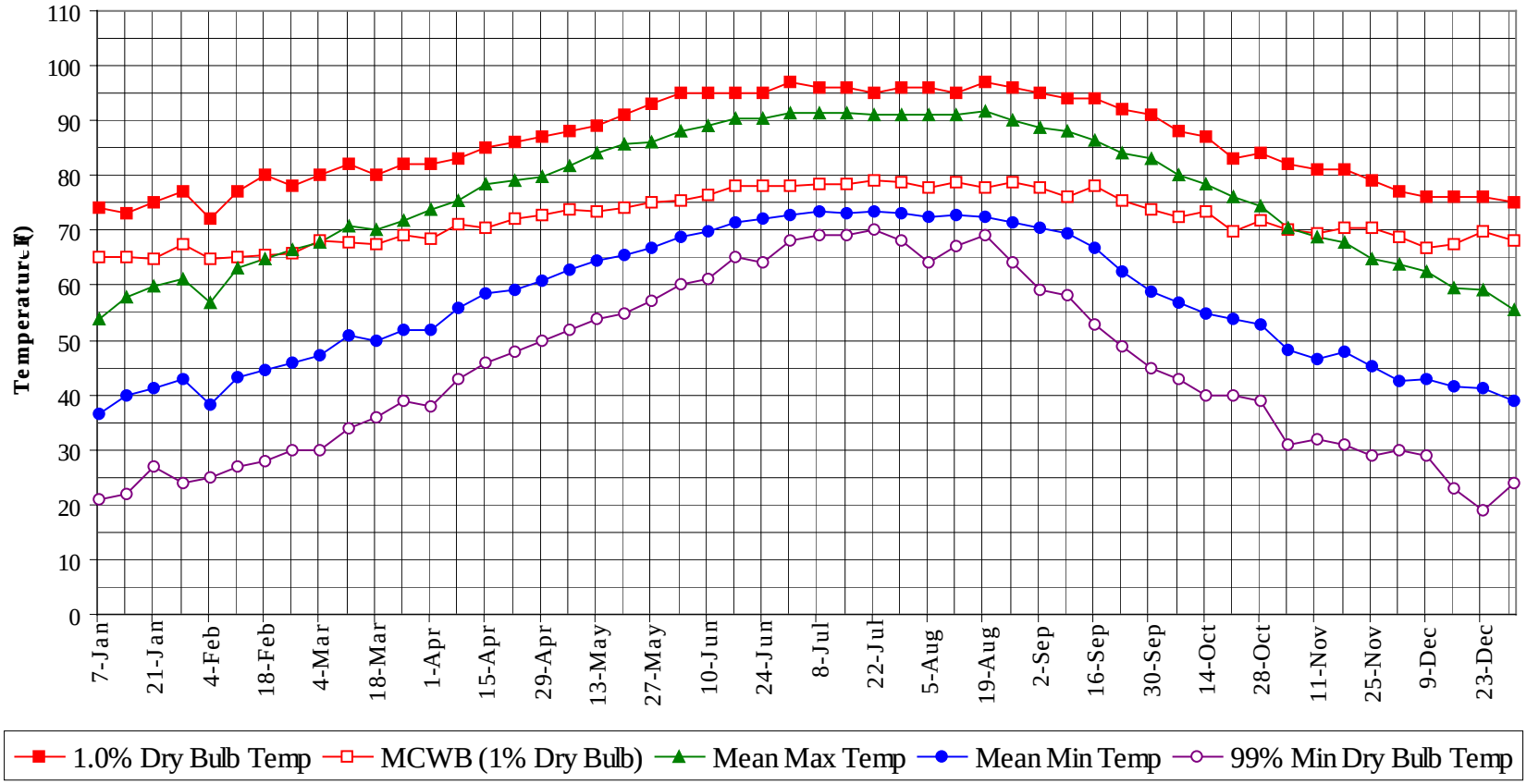
Annual Totals

Temperature Range (°F)	Hour Group (LST) 01 To 08	09 To 16	17 To 00	Total Obs	MCWB (°F)
100 / 104		2	0	2	77.2
95 / 99		44	9	53	77.9
90 / 94	0	275	64	339	77.1
85 / 89	4	407	133	545	75.2
80 / 84	77	412	287	775	72.9
75 / 79	422	366	491	1279	70.9
70 / 74	536	312	423	1271	67.0
65 / 69	333	254	322	908	61.7
60 / 64	289	212	276	776	57.0
55 / 59	250	185	243	678	52.1
50 / 54	256	154	213	622	47.5
45 / 49	235	121	177	534	43.0
40 / 44	191	90	137	419	38.5
35 / 39	152	51	84	286	33.9
30 / 34	112	25	44	181	29.5
25 / 29	47	8	14	68	24.9
20 / 24	12	2	3	17	19.8
15 / 19	2	1	1	4	15.0
10 / 14	1	0	0	1	10.2
5 / 9	0			0	7.0

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.

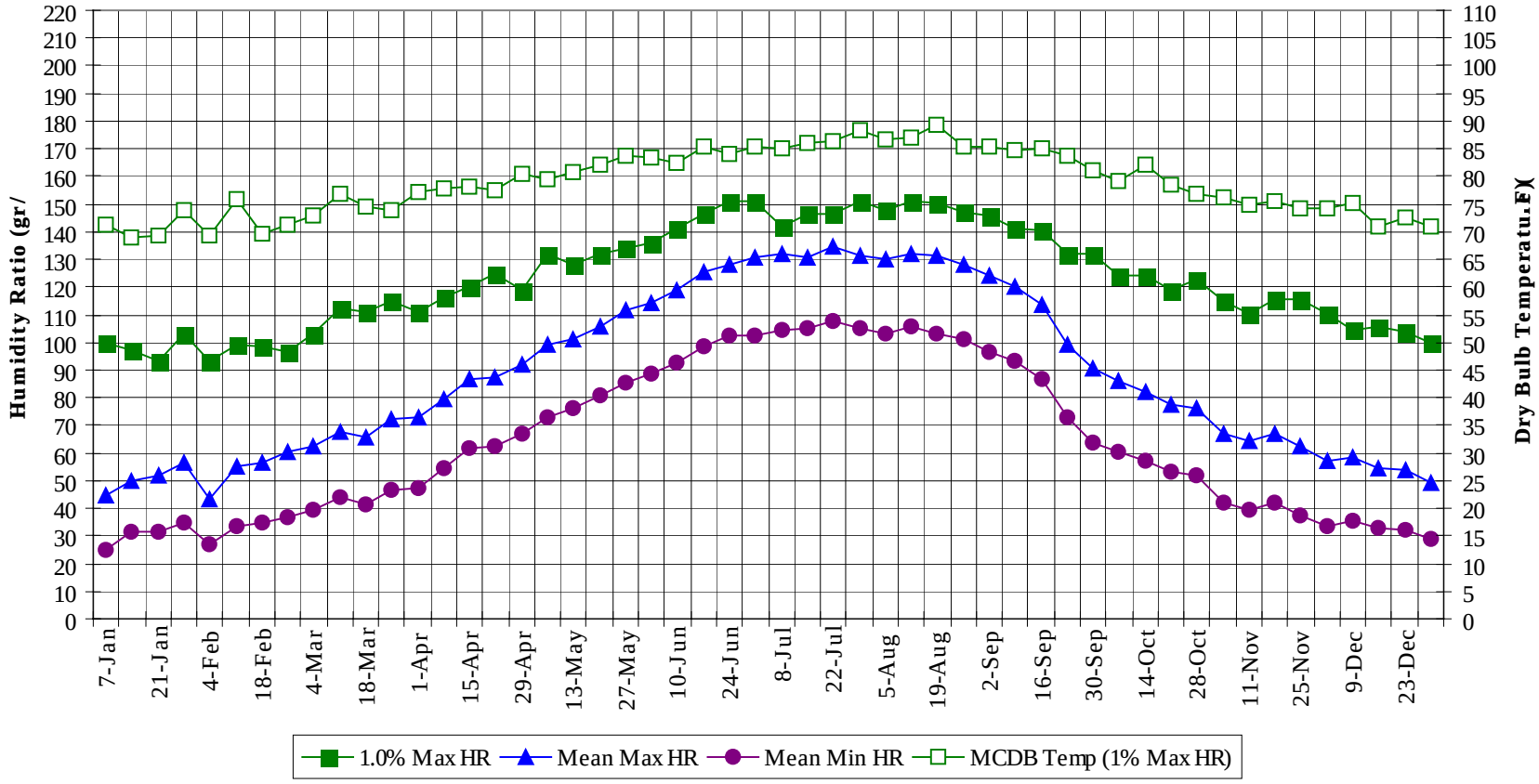
ENGLAND AFB/ALEXANDRIA LA WMO No. 747540

Annual Summary of Temperatures



ENGLAND AFB/ALEXANDRIA LA WMO No. 747540

Long Term Humidity and Dry Bulb Temperature Summary



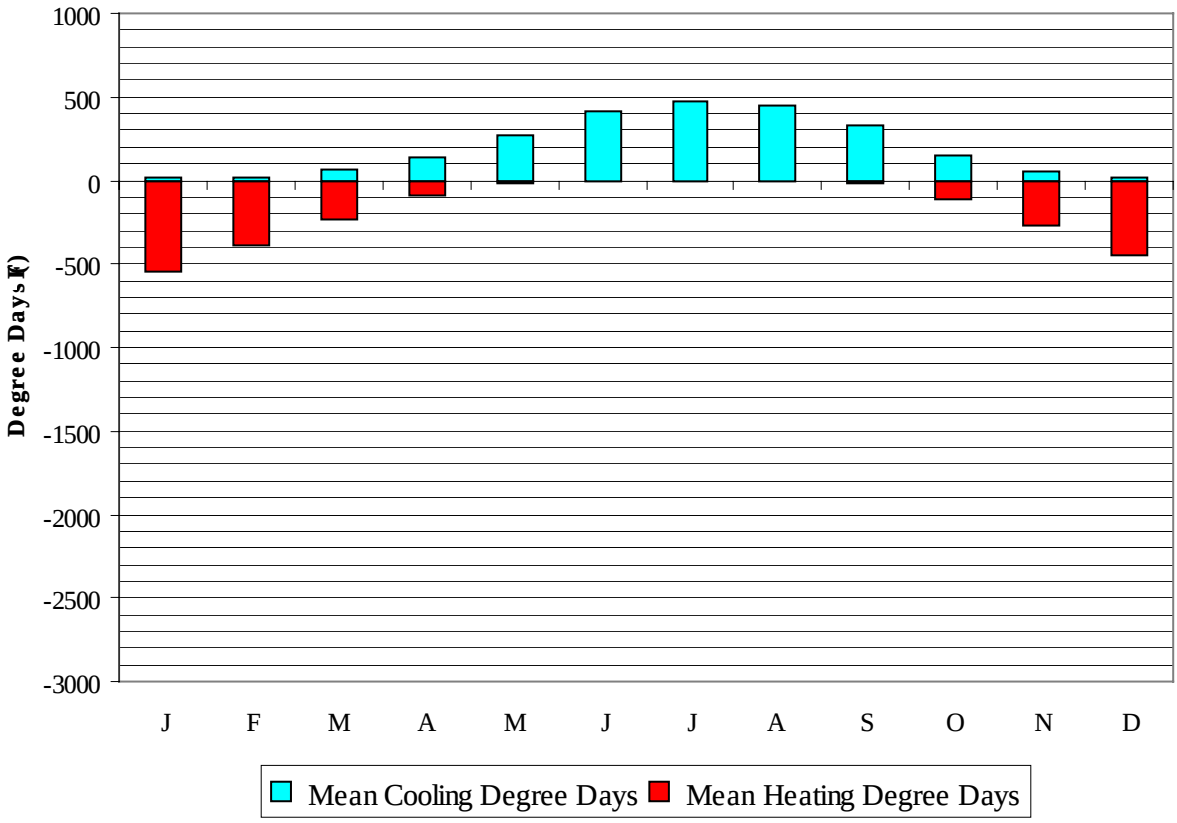
ENGLAND AFB/ALEXANDRIA LA WMO No. 747540

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	65.1	53.9	36.6	21.0	100.1	71.1	44.7	25.1
14-Jan	73.0	65.2	57.7	39.8	22.0	97.3	69.0	49.9	31.6
21-Jan	75.0	64.8	59.9	41.2	27.0	93.1	69.2	52.2	31.6
28-Jan	77.0	67.6	61.2	42.7	24.0	102.9	74.0	56.7	34.6
4-Feb	72.0	64.9	57.0	38.1	25.0	93.1	69.3	43.6	27.0
11-Feb	77.0	65.1	63.0	43.1	27.0	99.4	76.0	55.1	33.7
18-Feb	80.0	65.5	65.0	44.6	28.0	98.7	69.6	56.6	34.8
25-Feb	78.0	65.7	66.4	45.9	30.0	96.6	71.1	60.2	37.0
4-Mar	80.0	68.1	67.7	47.2	30.0	102.9	72.9	62.5	39.5
11-Mar	82.0	67.7	70.8	50.7	34.0	112.0	76.9	68.0	43.8
18-Mar	80.0	67.4	70.0	49.7	36.0	111.3	74.4	65.8	41.5
25-Mar	82.0	69.0	71.9	51.9	39.0	114.8	73.8	72.3	46.7
1-Apr	82.0	68.6	73.8	51.9	38.0	111.3	77.2	72.7	47.6
8-Apr	83.0	71.1	75.3	55.7	43.0	116.2	77.9	79.2	54.6
15-Apr	85.0	70.6	78.5	58.6	46.0	120.4	78.0	86.6	61.9
22-Apr	86.0	72.2	79.2	59.0	48.0	124.6	77.7	87.6	62.5
29-Apr	87.0	72.7	79.7	60.7	50.0	119.0	80.6	91.8	66.9
6-May	88.0	73.9	81.8	62.8	52.0	132.3	79.4	99.5	72.8
13-May	89.0	73.6	84.0	64.4	54.0	128.1	80.7	101.4	76.5
20-May	91.0	74.0	85.8	65.6	55.0	132.3	82.0	106.0	81.1
27-May	93.0	75.0	86.2	66.9	57.0	133.7	83.8	111.4	85.5
3-Jun	95.0	75.4	88.2	68.7	60.0	135.8	83.3	114.1	88.9
10-Jun	95.0	76.5	89.0	69.6	61.0	141.4	82.5	118.7	92.5
17-Jun	95.0	78.1	90.5	71.4	65.0	146.3	85.4	125.6	98.6
24-Jun	95.0	78.0	90.5	72.3	64.0	151.2	84.1	127.7	102.5
1-Jul	97.0	78.2	91.3	72.8	68.0	151.2	85.3	130.7	102.7
8-Jul	96.0	78.4	91.5	73.6	69.0	142.1	85.1	132.1	104.7
15-Jul	96.0	78.4	91.3	73.1	69.0	146.3	85.9	130.8	104.8
22-Jul	95.0	79.0	91.2	73.5	70.0	146.3	86.4	134.5	107.7
29-Jul	96.0	78.9	91.2	73.2	68.0	151.2	88.2	131.3	104.9
5-Aug	96.0	77.9	91.2	72.5	64.0	147.7	86.8	130.3	103.1
12-Aug	95.0	78.6	91.2	72.7	67.0	151.2	87.1	131.9	105.4
19-Aug	97.0	77.9	91.8	72.6	69.0	150.5	89.3	131.1	103.4
26-Aug	96.0	78.8	90.2	71.6	64.0	147.0	85.3	128.2	101.0
2-Sep	95.0	77.9	88.6	70.4	59.0	145.6	85.5	123.8	96.6
9-Sep	94.0	76.0	88.2	69.6	58.0	141.4	84.7	120.2	93.0
16-Sep	94.0	78.1	86.4	66.9	53.0	140.7	84.9	113.9	86.7
23-Sep	92.0	75.3	84.0	62.4	49.0	132.3	83.8	99.3	73.2
30-Sep	91.0	73.7	83.2	58.8	45.0	132.3	81.2	90.9	63.5
7-Oct	88.0	72.4	80.0	56.9	43.0	123.9	79.2	86.0	60.6
14-Oct	87.0	73.6	78.5	54.9	40.0	123.9	82.1	82.2	57.1
21-Oct	83.0	69.9	76.0	53.8	40.0	119.0	78.5	77.8	53.0
28-Oct	84.0	71.9	74.3	52.7	39.0	122.5	76.7	76.3	51.8
4-Nov	82.0	70.0	70.3	48.1	31.0	114.8	76.1	66.8	42.3
11-Nov	81.0	69.5	68.8	46.4	32.0	110.6	74.8	64.4	39.7
18-Nov	81.0	70.6	67.7	47.8	31.0	115.5	75.4	67.0	42.1
25-Nov	79.0	70.6	64.9	45.1	29.0	115.5	74.2	62.4	37.5
2-Dec	77.0	68.7	63.7	42.7	30.0	110.6	74.3	57.4	33.6
9-Dec	76.0	66.9	62.3	43.0	29.0	104.3	75.1	58.8	35.3
16-Dec	76.0	67.4	59.5	41.5	23.0	105.7	71.0	54.8	32.9
23-Dec	76.0	69.9	59.2	41.1	19.0	103.6	72.5	53.9	32.5
31-Dec	75.0	68.0	55.7	38.9	24.0	100.1	71.1	49.1	28.7

ENGLAND AFB/ALEXANDRIA LA WMO No. 747540

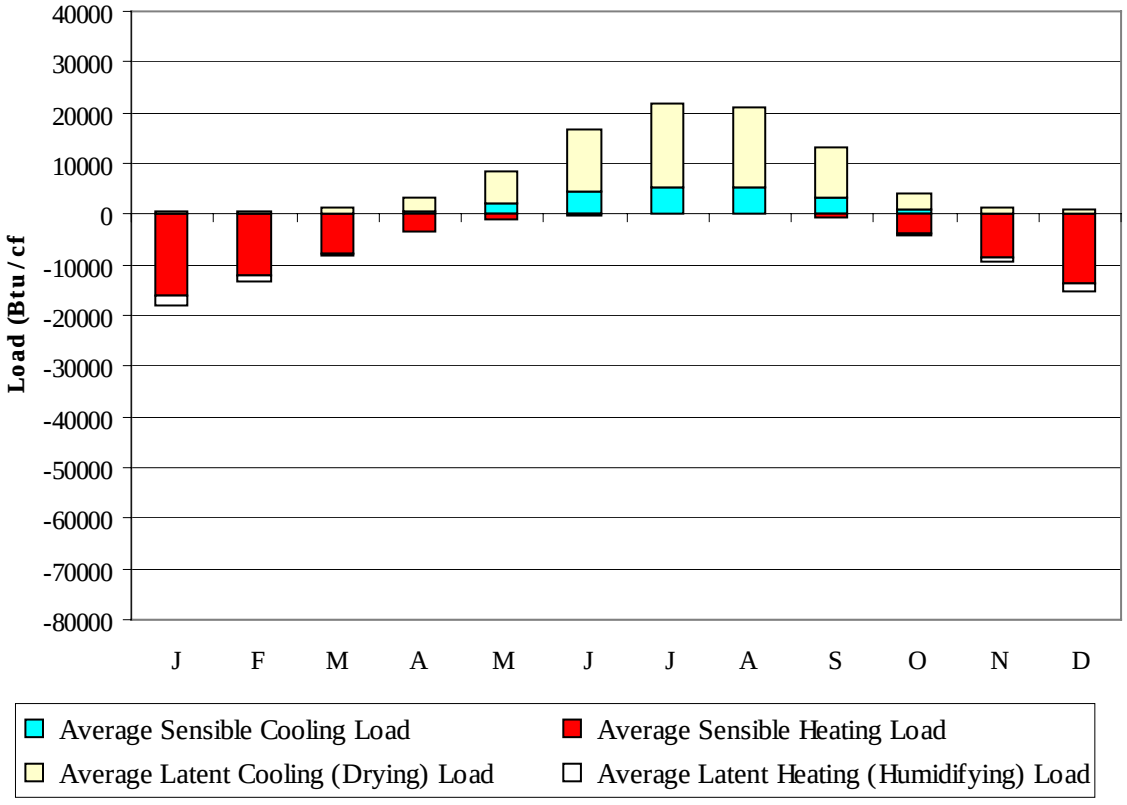
Degree Days, Heating and Cooling
(Base 65°F)



	Mean Cooling Degree Days (°F)	Mean Heating Degree Days (°F)
JAN	13	540
FEB	22	395
MAR	63	232
APR	139	94
MAY	270	22
JUN	408	2
JUL	470	0
AUG	455	0
SEP	325	18
OCT	153	112
NOV	55	272
DEC	23	449
ANN	2398	2136

ENGLAND AFB/ALEXANDRIA LA WMO No. 747540

Average Ventilation and Infiltration Loads
(Outside Air vs. 75°F, 60% RH summer; 68°F, 30% RH winter)



	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	12	-16216	372	-1933
FEB	42	-12140	324	-1314
MAR	188	-7647	994	-438
APR	695	-3497	2432	-70
MAY	2192	-1038	6170	0
JUN	4450	-158	12185	0
JUL	5446	-9	16392	0
AUG	5134	-37	15740	0
SEP	3135	-796	9858	0
OCT	1019	-3974	2870	-49
NOV	182	-8722	1258	-527
DEC	28	-13722	706	-1393
ANN	22523	-67956	69301	-5724

Average Annual Solar Radiation – Nearest Available Site

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

City: LAKE CHARLES
State: LA
WBAN No: 3937
Lat(N): 30.12
Long(W): 93.22
Elev(ft): 10

Stn Type: Primary
SHADING GEOMETRY IN DIMENSIONLESS UNITS
Window: 1
Overhang: 0.881
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	1420	1700	1900	2000	1900	1790	1590	1370	1010	820	1460
	Std Dev	78	97	115	136	131	148	102	113	93	104	90	58	31
	Minimum	670	970	1120	1430	1660	1700	1670	1480	1370	1090	750	740	1410
	Maximum	1020	1300	1650	2090	2230	2260	2140	2010	1780	1570	1160	930	1520
	Diffuse	420	500	640	770	880	910	920	860	720	540	430	380	660
Clear Day	Global	1300	1620	2010	2340	2520	2550	2490	2320	2030	1670	1330	1180	1950
NORTH	Global	260	310	390	470	570	640	600	510	420	350	280	240	420
	Diffuse	260	310	390	460	520	540	530	490	420	350	280	240	400
Clear Day	Global	240	290	350	430	590	690	630	490	390	320	250	230	410
EAST	Global	510	660	780	910	1000	1060	1020	1000	910	810	600	500	810
	Diffuse	310	370	470	560	620	650	640	610	540	440	330	290	490
Clear Day	Global	870	1030	1200	1320	1350	1340	1310	1260	1170	1020	860	800	1130
SOUTH	Global	1030	1110	1010	830	670	600	630	760	990	1240	1190	1070	930
	Diffuse	400	450	510	540	550	540	540	560	560	520	430	380	500
Clear Day	Global	2020	1910	1570	1080	740	620	660	920	1330	1710	1900	1970	1360
WEST	Global	540	690	830	950	1020	1040	970	930	870	810	630	510	810
	Diffuse	310	380	470	560	630	650	640	610	530	440	340	290	490
Clear Day	Global	870	1030	1200	1320	1350	1340	1310	1260	1170	1020	860	800	1130

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

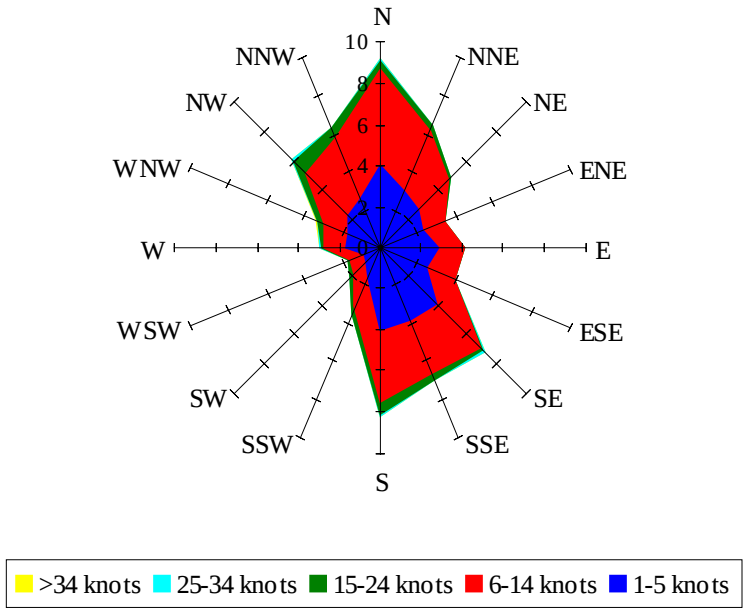
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
HORIZ	Unshaded	590	790	1020	1230	1380	1460	1380	1300	1140	980	700	560	1050
NORTH	Unshaded	180	220	270	320	370	410	390	340	290	240	190	170	280
	Shaded	150	190	230	280	320	350	330	300	260	220	170	140	250
EAST	Unshaded	350	460	550	650	710	750	720	710	650	570	420	340	570
	Shaded	300	390	460	530	580	620	590	590	540	470	360	300	480
SOUTH	Unshaded	760	790	670	510	410	380	390	470	630	860	870	790	630
	Shaded	710	640	390	320	330	330	330	340	350	610	790	760	490
WEST	Unshaded	380	480	590	670	720	740	680	660	610	570	440	360	570
	Shaded	320	410	490	560	590	600	560	540	510	480	370	300	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	43	83	95	78	35	39	81	103	99	70
	M.Cloudy	23	49	59	46	21	28	62	79	74	49
NORTH	M.Clear	10	15	16	15	10	23	18	18	19	20
	M.Cloudy	10	17	19	16	9	16	19	19	20	18
EAST	M.Clear	79	64	16	15	10	64	73	37	19	17
	M.Cloudy	24	34	19	16	9	36	52	31	20	17
SOUTH	M.Clear	34	64	73	60	28	12	19	31	29	17
	M.Cloudy	15	34	42	32	14	11	19	27	26	17
WEST	M.Clear	10	15	20	68	73	12	18	18	50	75
	M.Cloudy	10	17	20	35	26	11	19	19	39	46
M.Clear	(% hrs)	30	30	31	34	37	47	35	32	36	43
		Sept					Dec				
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	25	70	93	87	53	23	55	65	46	9
	M.Cloudy	17	49	67	62	37	12	31	37	26	6
NORTH	M.Clear	9	16	18	18	14	7	12	13	11	4
	M.Cloudy	7	17	19	19	14	5	12	14	10	3
EAST	M.Clear	54	72	35	18	14	54	47	13	11	4
	M.Cloudy	23	44	29	19	14	13	21	14	10	3
SOUTH	M.Clear	15	47	65	60	35	45	82	91	72	21
	M.Cloudy	9	31	44	41	23	12	30	38	26	6
WEST	M.Clear	9	16	18	52	72	7	12	21	57	31
	M.Cloudy	7	17	19	37	39	5	12	16	22	8
M.Clear	(% hrs)	52	44	35	37	39	32	33	33	35	36

Wind Summary - December, January, and February

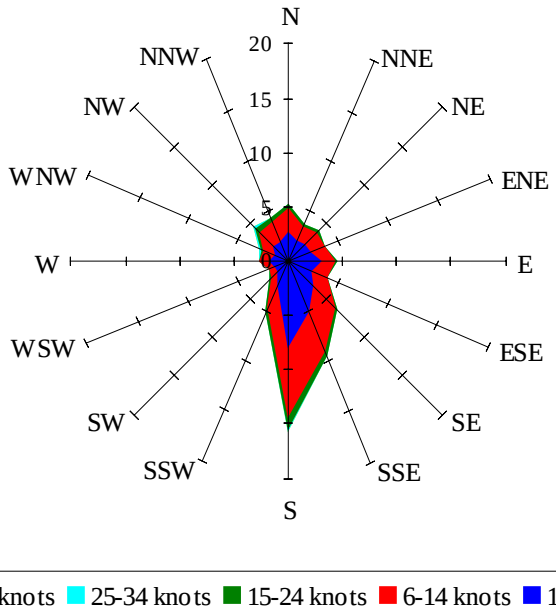
Labels of Percent Frequency on North Axis



Percent Calm = 20.39

Wind Summary - March, April, and May

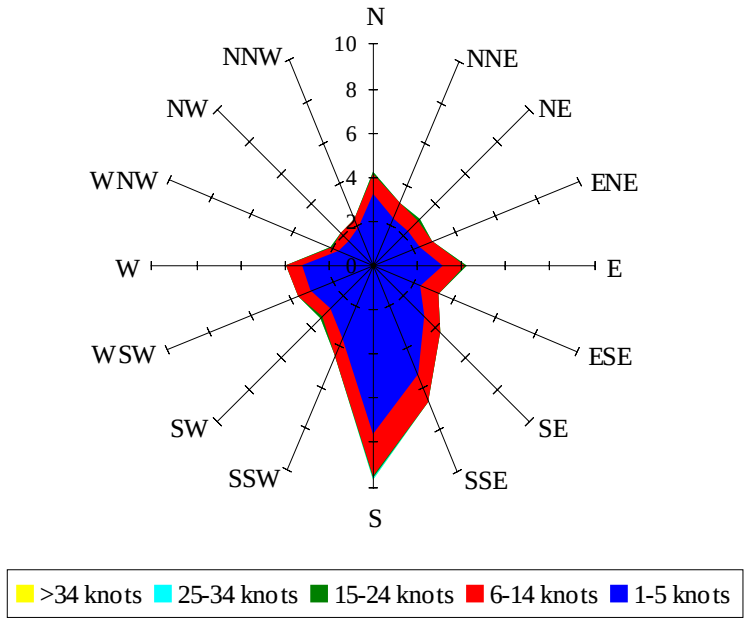
Labels of Percent Frequency on North Axis



Percent Calm = 21.58

Wind Summary - June, July, and August

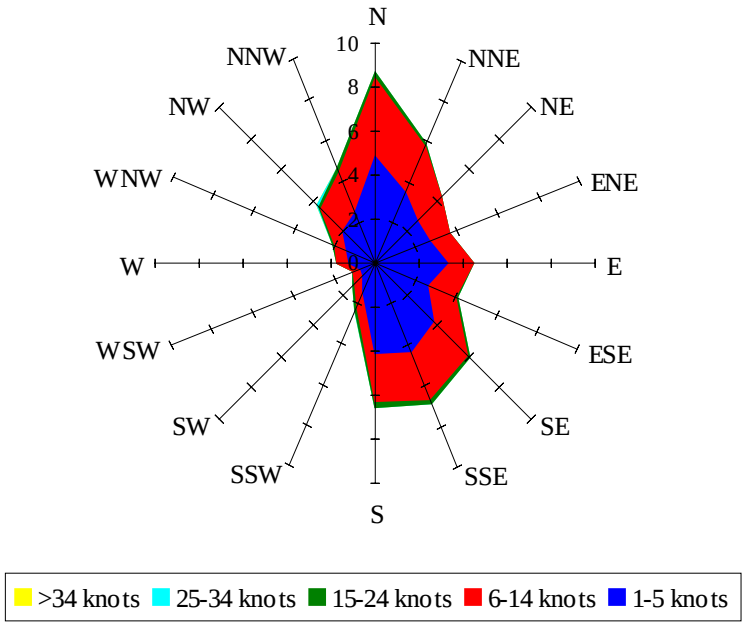
Labels of Percent Frequency on North Axis



Percent Calm = 37.98

Wind Summary - September, October, and November

Labels of Percent Frequency on North Axis



Percent Calm = 32.68