

ISLIP/MACARTHUR NY

Latitude = 40.80 N

Longitude = 73.10 W

Period of Record = 1973 to 1995

WMO No. 725035

Elevation = 98 feet

Average Pressure = 29.89 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	95	75	100	11.2	W
0.4% Occurrence	88	73	99	10.9	SW
1.0% Occurrence	85	72	96	10.8	SW
2.0% Occurrence	83	71	94	10.7	SW
Mean Daily Range	16	-	-	-	-
97.5% Occurrence	19	16	8	10.2	W
99.0% Occurrence	14	12	7	10.1	W
99.6% Occurrence	9	7	5	10.6	NNW
Median of Extreme Lows	3	1	3	12.5	W
	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	80	88	138	11.4	SSW
0.4% Occurrence	76	82	123	10.3	SW
1.0% Occurrence	75	81	120	10.1	SW
2.0% Occurrence	74	79	117	9.5	SW
	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	142	82	0.94	10.6	SW
0.4% Occurrence	128	79	0.85	9.2	SW
1.0% Occurrence	123	78	0.82	9.1	SW
2.0% Occurrence	119	77	0.79	8.7	SW
Air Conditioning/ Humid Area Criteria	# of Hours	T ≥ 93°F	T ≥ 80°F	T _{wb} ≥ 73°F	T _{wb} ≥ 67°F
		5	353	306	1249

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
7	2.8	120	2.0 + 0.3
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 (#)
54.9	N/A	N/A	61

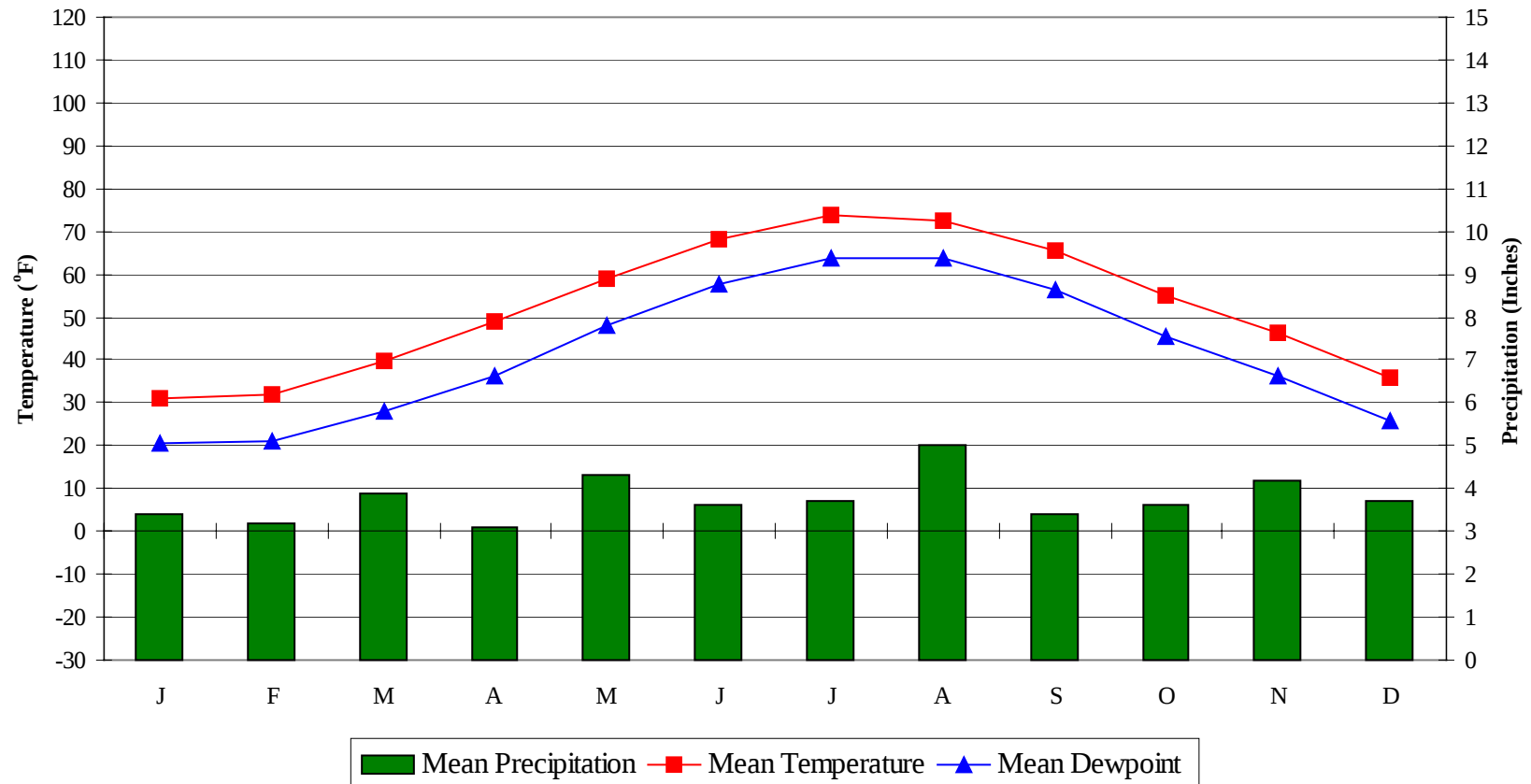
*Note: Temperatures at greater depths can be estimated by adding 1.5°F per 100 feet additional depth.

ISLIP/MACARTHUR

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Average Annual Climate

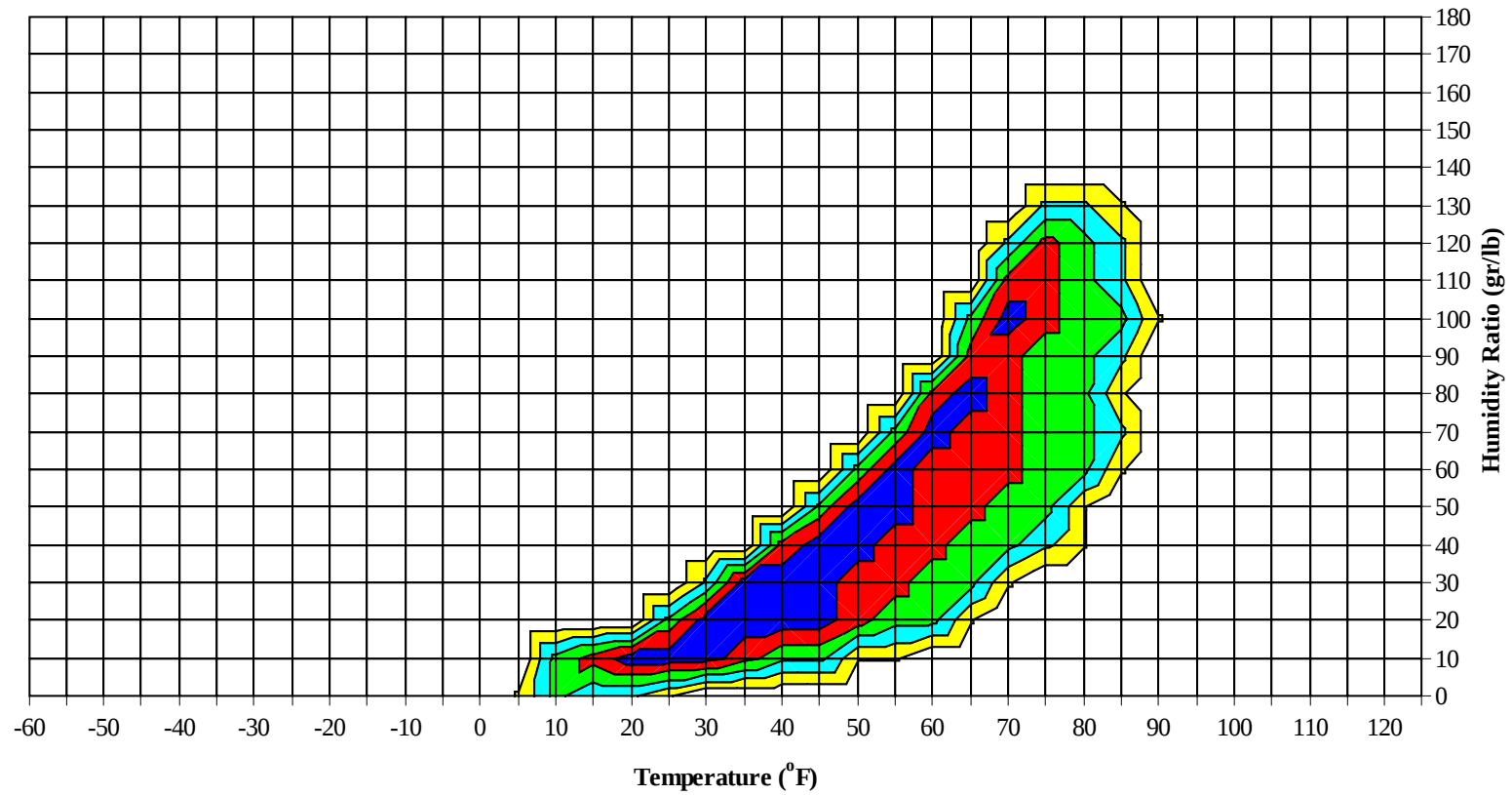


ISLIP/MACARTHUR

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WMO No. 725035

Long Term Psychrometric Summary



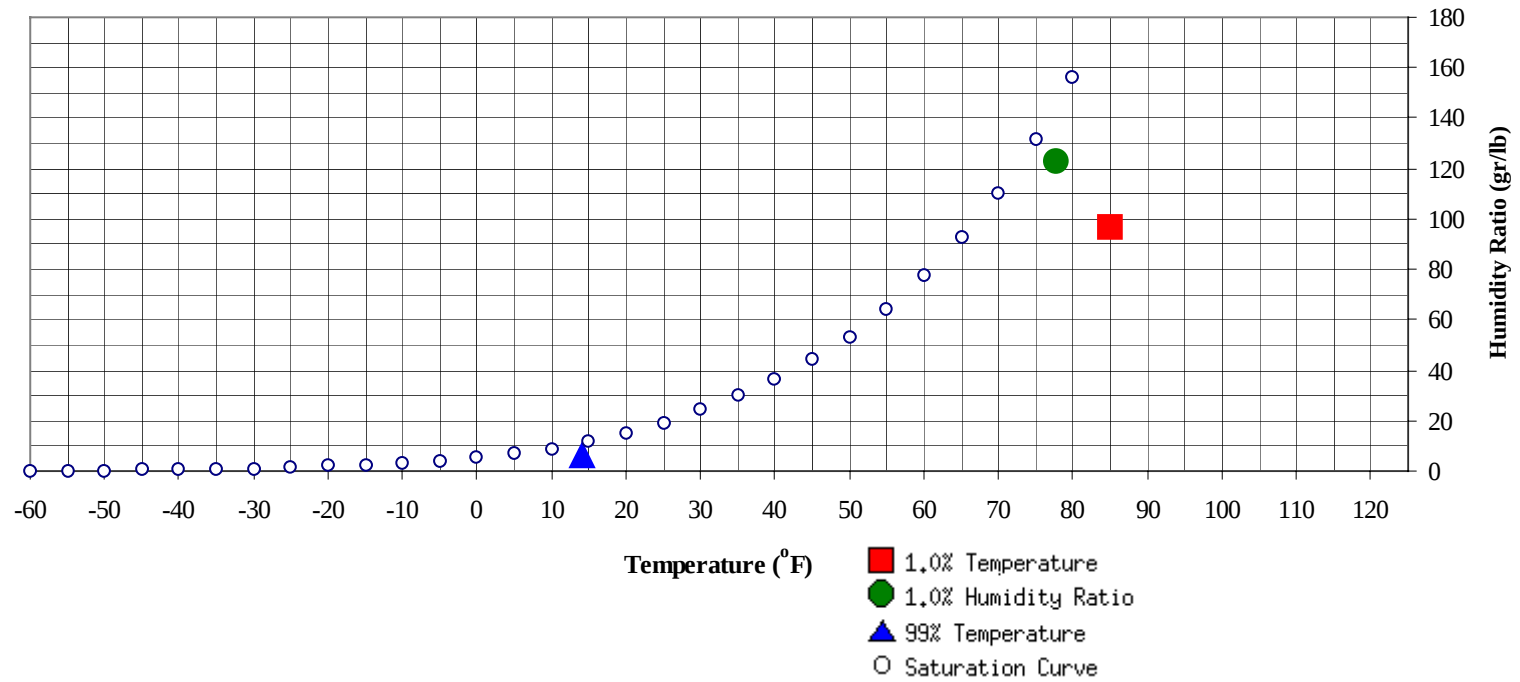
- 50% of all observations
- 80% of all observations
- 95% of all observations
- 97.5% of all observations
- 99% of all observations

ISLIP/MACARTHUR

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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)
	14	6.3	4.3			77.7	74.3	73.1	37.9

1.0% Dry Bulb	(°F)	MCHR (gr/lb)	MCWB (°F)	Enthalpy (btu/lb)
	85	96.6	71.7	35.6

ISLIP/MACARTHUR NY

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

Period of Record = 1973 to 1995

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		
100 / 104															
95 / 99															
90 / 94															
85 / 89															
80 / 84												0		0	68.0
75 / 79												0		0	57.4
70 / 74												1	0	1	57.7
65 / 69		0		0	58.0		1		1	49.6		3	0	3	54.5
60 / 64		1	0	1	55.5	0	1	0	1	48.3	0	7	1	8	51.2
55 / 59	1	2	1	4	52.5	0	3	1	4	48.5	1	18	5	24	49.5
50 / 54	6	12	7	25	48.6	3	13	5	21	47.1	13	39	22	74	46.2
45 / 49	7	21	12	40	43.0	9	25	15	49	42.9	29	48	47	124	42.2
40 / 44	19	41	27	87	38.0	19	36	30	85	38.1	44	54	57	155	37.5
35 / 39	39	45	41	125	33.3	34	43	44	121	33.1	55	42	56	153	33.1
30 / 34	46	45	52	143	28.9	42	41	48	131	28.5	49	22	36	107	28.7
25 / 29	39	36	42	117	24.0	37	29	35	101	23.5	30	9	15	54	23.8
20 / 24	36	24	29	89	19.3	37	20	27	84	19.3	17	3	7	27	19.2
15 / 19	25	12	21	58	14.8	23	8	12	43	14.8	7	2	2	11	14.5
10 / 14	18	5	9	32	10.2	13	3	5	21	10.3	2	0	0	2	10.8
5 / 9	8	3	4	15	5.8	4	1	1	6	5.9	0			0	6.7
0 / 4	4	1	1	6	1.2	2	0	0	2	0.8					
-5 / -1	1	0	0	1	-3.0	1			1	-2.5					
-10 / -6	0			0	-6.5	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.

ISLIP/MACARTHUR NY

WMO No. 725035

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

Period of Record = 1973 to 1995

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		
100 / 104															
95 / 99							0		0	73.0		0		0	74.0
90 / 94		0		0	66.0		1	0	1	70.2		3	0	3	72.4
85 / 89		1	0	1	65.0		4	1	5	69.0	0	11	1	12	70.9
80 / 84		2	0	2	64.0	0	9	1	10	66.3	1	27	6	34	68.2
75 / 79	0	3	0	3	61.1	1	15	3	19	64.0	6	58	19	83	66.1
70 / 74	1	6	1	8	57.8	4	33	11	48	60.8	32	73	56	161	64.6
65 / 69	1	16	4	21	54.7	14	51	26	91	58.4	77	40	77	194	62.3
60 / 64	3	30	13	46	51.7	43	61	54	158	56.1	65	21	54	140	58.3
55 / 59	17	49	30	96	49.5	63	48	71	182	52.6	40	5	21	66	53.9
50 / 54	39	57	59	155	46.5	64	20	56	140	48.5	16	1	6	23	49.4
45 / 49	58	46	62	166	42.4	40	5	20	65	44.2	3		0	3	45.3
40 / 44	61	24	48	133	38.4	16	1	4	21	39.7	0		0	0	42.4
35 / 39	38	5	18	61	33.5	4	0	1	5	35.4					
30 / 34	17	1	4	22	29.0	0			0	31.3					
25 / 29	4	0	1	5	23.8										
20 / 24	1	0	0	1	19.3										
15 / 19															
10 / 14															
5 / 9															
0 / 4															
-5 / -1															
-10 / -6															

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WMO No. 725035

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

Period of Record = 1973 to 1995

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		
100 / 104		0		0	76.0										
95 / 99		1	0	1	76.7		0	0	0	76.8					
90 / 94	0	8	1	9	74.8	0	4	0	4	74.8		1		1	74.0
85 / 89	1	31	6	38	72.5	0	27	3	30	73.3	0	6	1	7	73.0
80 / 84	6	70	21	97	70.5	3	62	16	81	71.4	1	15	3	19	70.2
75 / 79	34	77	62	173	69.5	31	80	60	171	70.0	8	41	15	64	68.6
70 / 74	91	45	96	233	67.7	86	52	93	231	67.7	31	69	48	147	66.0
65 / 69	72	14	44	130	63.7	67	17	47	131	63.4	49	58	60	167	61.9
60 / 64	33	3	14	50	59.3	40	5	22	67	59.0	57	36	58	151	57.5
55 / 59	9		3	12	54.7	17	1	5	23	54.3	46	11	33	90	53.2
50 / 54	1		0	1	49.8	3	0	1	4	49.9	31	2	17	50	48.7
45 / 49	0			0		1		0	1	45.4	15	0	5	20	44.8
40 / 44											3	0	1	4	40.6
35 / 39											0		0	0	37.6
30 / 34															
25 / 29															
20 / 24															
15 / 19															
10 / 14															
5 / 9															
0 / 4															
-5 / -1															
-10 / -6															

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ISLIP/MACARTHUR NY

WMO No. 725035

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

Period of Record = 1973 to 1995

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		
100 / 104															
95 / 99															
90 / 94															
85 / 89		0		0	71.0										
80 / 84		1		1	67.5										
75 / 79	0	7	0	7	66.9		1		1	62.2					
70 / 74	3	21	5	29	64.7		2	0	2	61.8					
65 / 69	15	47	23	85	61.3	0	9	2	11	59.6		0		0	59.3
60 / 64	30	55	42	127	57.0	10	24	13	47	57.3	1	3	0	4	55.2
55 / 59	40	55	50	145	51.8	24	42	30	96	52.8	6	9	5	20	53.3
50 / 54	49	40	53	142	47.2	32	49	37	118	47.3	11	20	16	47	49.1
45 / 49	46	16	40	102	43.0	36	46	44	126	42.1	20	38	28	86	43.0
40 / 44	36	4	22	62	39.1	43	42	50	135	37.3	31	53	40	124	37.9
35 / 39	21	1	10	32	34.8	46	17	38	101	33.2	45	51	51	147	32.8
30 / 34	8		2	10	30.5	32	5	20	57	29.2	49	32	45	126	28.5
25 / 29	0		0	0	25.8	14	2	5	21	24.8	38	22	31	91	23.9
20 / 24						3	0	1	4	19.6	24	12	19	55	19.3
15 / 19						0		1	1	16.6	15	5	10	30	14.8
10 / 14						0		0	0	11.3	7	1	3	11	10.6
5 / 9											2	0	1	3	6.0
0 / 4											0	0		0	2.3
-5 / -1															
-10 / -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.

ISLIP/MACARTHUR NY

WMO No. 725035

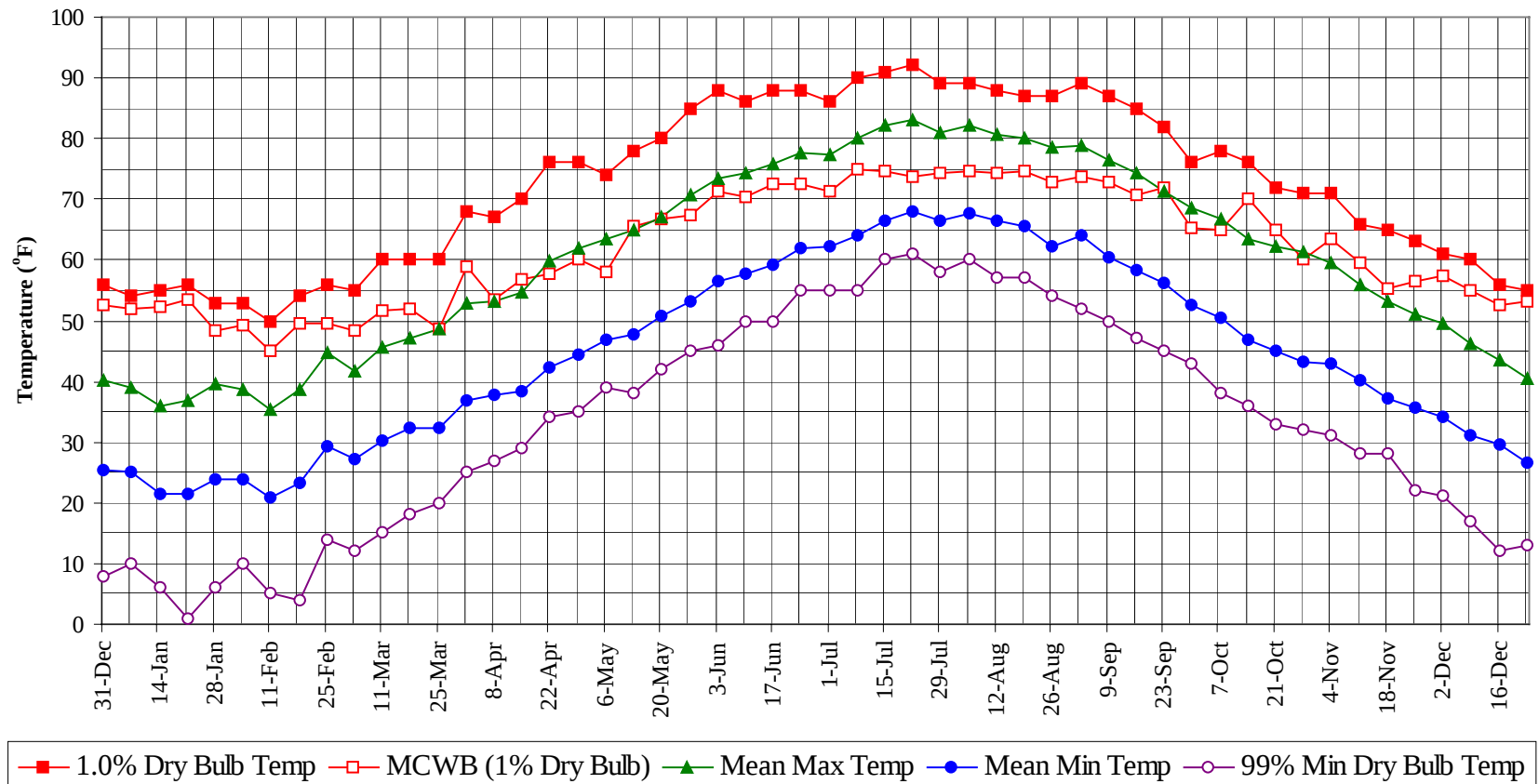
Dry-Bulb Temperature Hours For An Average Year (Sheet 5 of 5)

Period of Record = 1973 to 1995

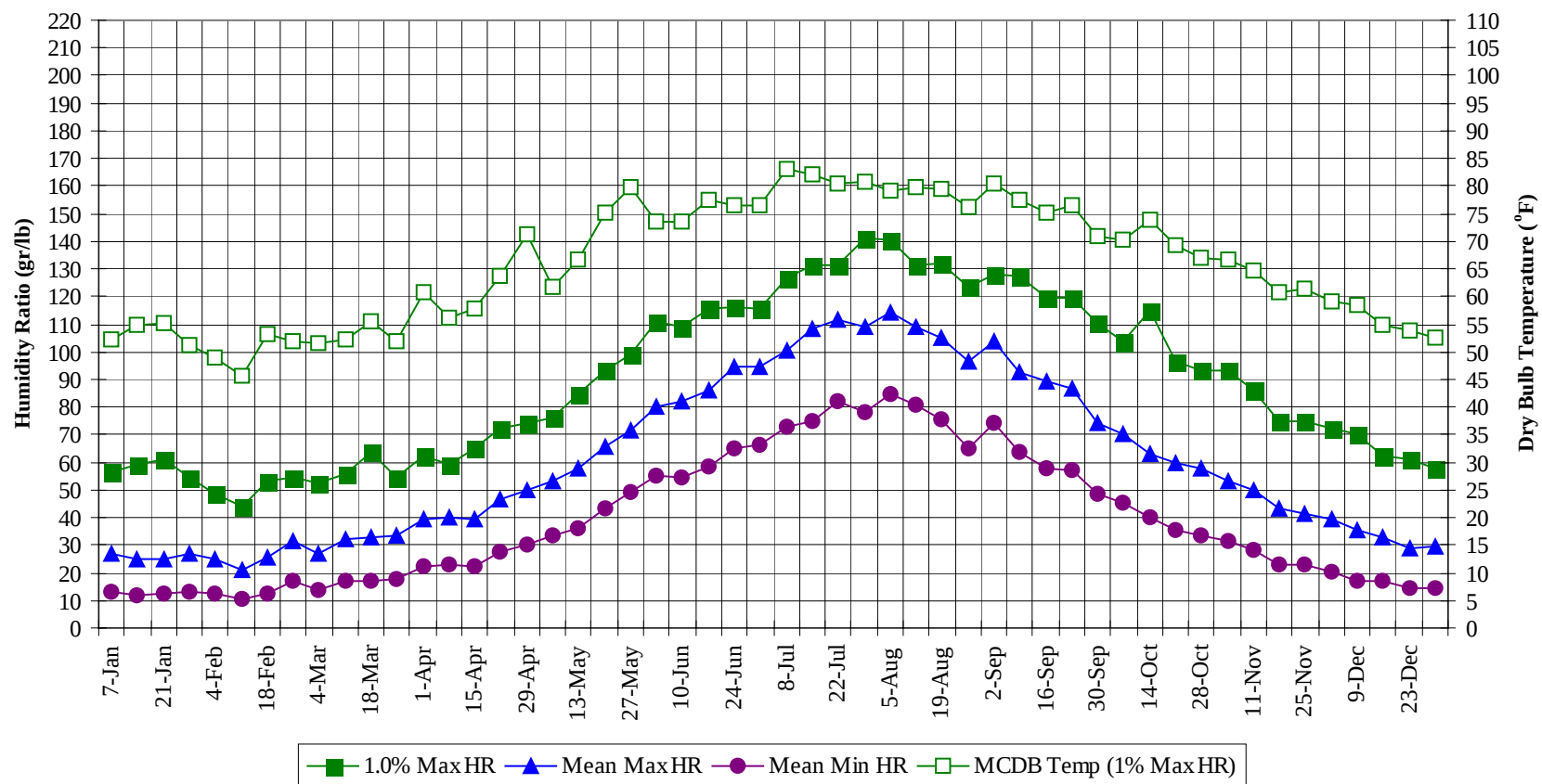
Annual Totals					
Temperature Range (°F)	Hour Group (LST)			Total Obs	M C W B (°F)
	01 To 08	09 To 16	17 To 00		
100 / 104		0		0	76.0
95 / 99		2	0	2	76.1
90 / 94	0	16	2	18	74.1
85 / 89	1	79	11	91	72.3
80 / 84	12	185	47	244	70.2
75 / 79	80	281	160	521	68.7
70 / 74	246	300	309	855	66.2
65 / 69	294	256	283	833	61.8
60 / 64	282	247	271	800	57.1
55 / 59	263	243	256	762	52.2
50 / 54	269	253	278	800	47.5
45 / 49	263	247	274	784	42.7
40 / 44	273	256	281	810	38.0
35 / 39	283	204	260	747	33.2
30 / 34	242	147	206	595	28.7
25 / 29	162	98	130	390	23.8
20 / 24	118	61	83	262	19.3
15 / 19	71	26	45	142	14.8
10 / 14	40	10	17	67	10.4
5 / 9	15	4	7	26	5.9
0 / 4	6	1	1	8	1.1
-5 / -1	1	0	0	1	-2.9
-10 / -6	0			0	-6.6

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.

Annual Summary of Temperatures



Long Term Humidity and Dry Bulb Temperature Summary



ISLIP/MACARTHUR

NY

WMO No. 725035

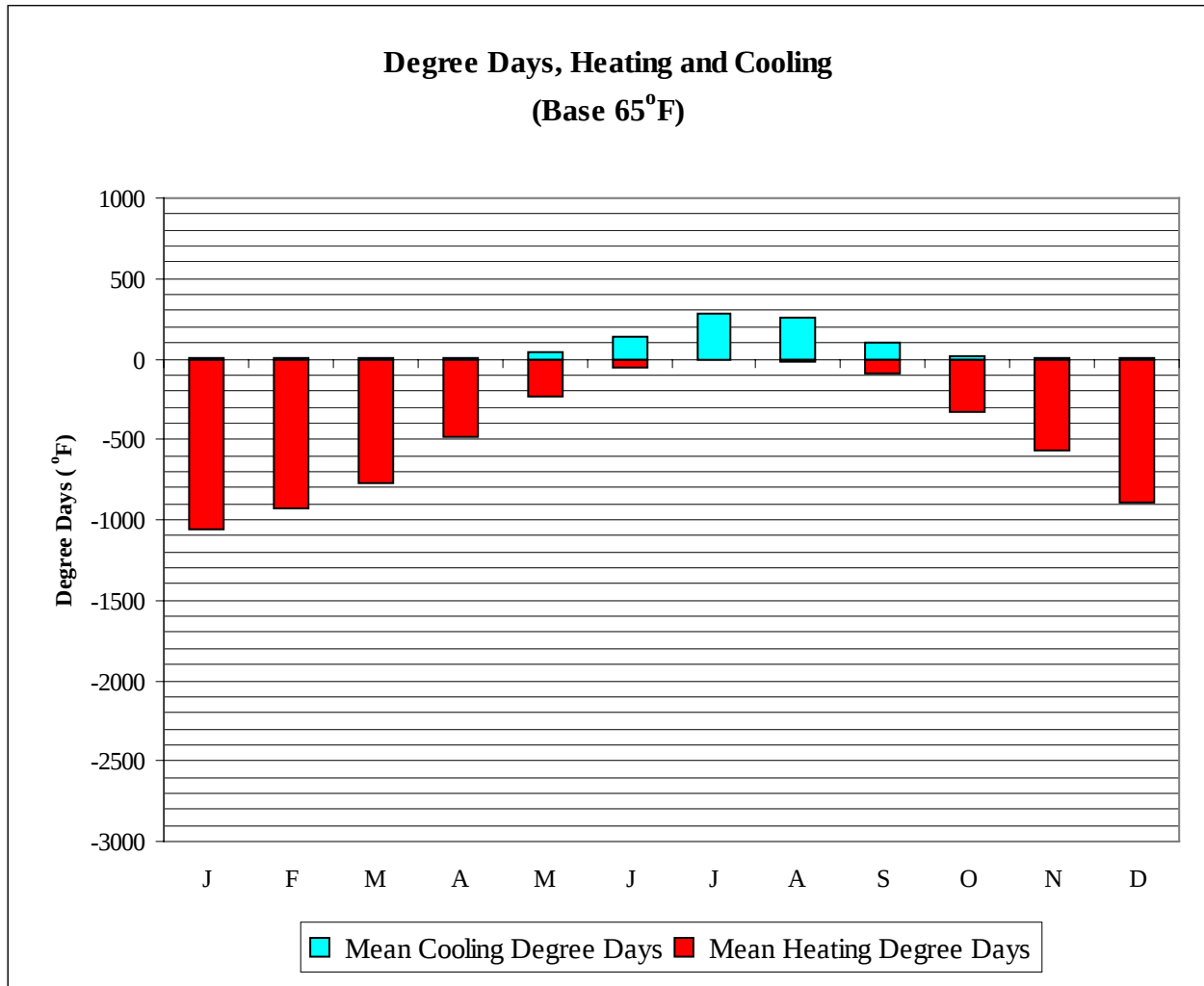
Long Term Dry Bulb Temperature and Humidity Summary

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	54.0	52.0	39.0	25.0	10.0	56.7	52.2	26.8	13.3
14-Jan	55.0	52.4	35.8	21.6	6.0	58.8	54.8	24.8	11.7
21-Jan	56.0	53.5	36.8	21.4	1.0	60.9	55.1	25.1	12.5
28-Jan	53.0	48.3	39.6	24.0	6.0	54.6	51.4	27.0	12.9
4-Feb	53.0	49.2	38.7	23.7	10.0	48.3	49.1	25.2	12.4
11-Feb	50.0	44.9	35.2	20.8	5.0	44.1	45.5	20.8	10.3
18-Feb	54.0	49.6	38.8	23.3	4.0	53.2	53.2	25.9	12.7
25-Feb	56.0	49.4	44.6	29.4	14.0	54.6	51.9	31.8	17.1
4-Mar	55.0	48.4	41.7	27.1	12.0	52.5	51.4	27.1	14.0
11-Mar	60.0	51.7	45.5	30.1	15.0	56.0	52.2	32.0	17.1
18-Mar	60.0	52.1	47.2	32.4	18.0	63.7	55.4	33.1	17.3
25-Mar	60.0	48.8	48.5	32.4	20.0	54.6	51.9	33.3	17.7
1-Apr	68.0	58.9	52.9	36.8	25.0	62.3	60.9	39.3	22.3
8-Apr	67.0	53.4	53.1	37.9	27.0	58.8	56.1	40.1	22.7
15-Apr	70.0	56.7	54.8	38.4	29.0	65.1	57.8	39.7	22.4
22-Apr	76.0	57.8	59.9	42.4	34.0	72.1	63.6	46.8	27.9
29-Apr	76.0	60.0	62.0	44.3	35.0	74.2	71.3	49.9	30.3
6-May	74.0	58.1	63.5	46.8	39.0	76.3	61.6	53.2	33.4
13-May	78.0	65.6	65.0	47.8	38.0	84.7	66.8	57.9	36.2
20-May	80.0	66.8	67.2	50.9	42.0	93.1	75.1	66.0	43.4
27-May	85.0	67.3	70.8	53.3	45.0	99.4	79.9	71.5	49.1
3-Jun	88.0	71.3	73.4	56.4	46.0	111.3	73.4	80.3	55.3
10-Jun	86.0	70.4	74.3	57.8	50.0	109.2	73.6	81.9	54.8
17-Jun	88.0	72.6	76.0	59.4	50.0	115.5	77.5	85.8	58.6
24-Jun	88.0	72.4	77.7	62.0	55.0	116.2	76.7	94.3	65.3
1-Jul	86.0	71.4	77.4	62.4	55.0	115.5	76.4	94.5	66.2
8-Jul	90.0	74.9	79.9	64.2	55.0	126.7	83.1	100.7	72.6
15-Jul	91.0	74.5	82.2	66.6	60.0	131.6	82.2	108.1	75.2
22-Jul	92.0	73.7	83.2	67.9	61.0	131.6	80.4	111.7	82.4
29-Jul	89.0	74.3	81.1	66.5	58.0	141.4	80.7	109.2	78.0
5-Aug	89.0	74.6	82.2	67.7	60.0	140.7	79.1	114.0	84.7
12-Aug	88.0	74.2	80.7	66.4	57.0	131.6	79.9	109.2	80.6
19-Aug	87.0	74.5	80.0	65.6	57.0	132.3	79.5	105.1	75.8
26-Aug	87.0	72.8	78.7	62.4	54.0	123.2	76.3	96.3	64.9
2-Sep	89.0	73.9	79.0	64.0	52.0	128.1	80.5	103.6	74.1
9-Sep	87.0	72.9	76.5	60.5	50.0	127.4	77.4	92.7	63.7
16-Sep	85.0	70.6	74.5	58.2	47.0	119.7	75.3	89.6	58.0
23-Sep	82.0	71.9	71.2	56.1	45.0	119.7	76.5	86.6	57.0
30-Sep	76.0	65.3	68.7	52.7	43.0	110.6	70.8	74.5	48.3
7-Oct	78.0	65.1	66.7	50.5	38.0	103.6	70.4	70.2	45.6
14-Oct	76.0	70.2	63.6	47.0	36.0	114.8	74.0	63.2	39.8
21-Oct	72.0	65.0	62.3	45.0	33.0	96.6	69.2	60.1	35.5
28-Oct	71.0	60.0	61.2	43.3	32.0	93.1	67.1	57.8	33.4
4-Nov	71.0	63.4	59.6	43.0	31.0	93.1	66.6	53.5	31.7
11-Nov	66.0	59.6	55.8	40.2	28.0	86.1	64.5	49.6	28.3
18-Nov	65.0	55.2	53.2	37.2	28.0	74.9	60.8	43.2	22.9
25-Nov	63.0	56.4	51.0	35.6	22.0	74.9	61.4	41.4	23.0
2-Dec	61.0	57.5	49.5	34.1	21.0	72.1	59.1	39.6	20.3
9-Dec	60.0	54.9	46.2	31.0	17.0	70.0	58.4	35.4	17.1
16-Dec	56.0	52.6	43.4	29.5	12.0	62.3	55.0	32.7	17.1
23-Dec	55.0	53.1	40.6	26.6	13.0	60.9	53.9	28.9	14.5
31-Dec	56.0	52.4	40.3	25.4	8.0	58.1	52.6	29.5	14.4

ISLIP/MACARTHUR

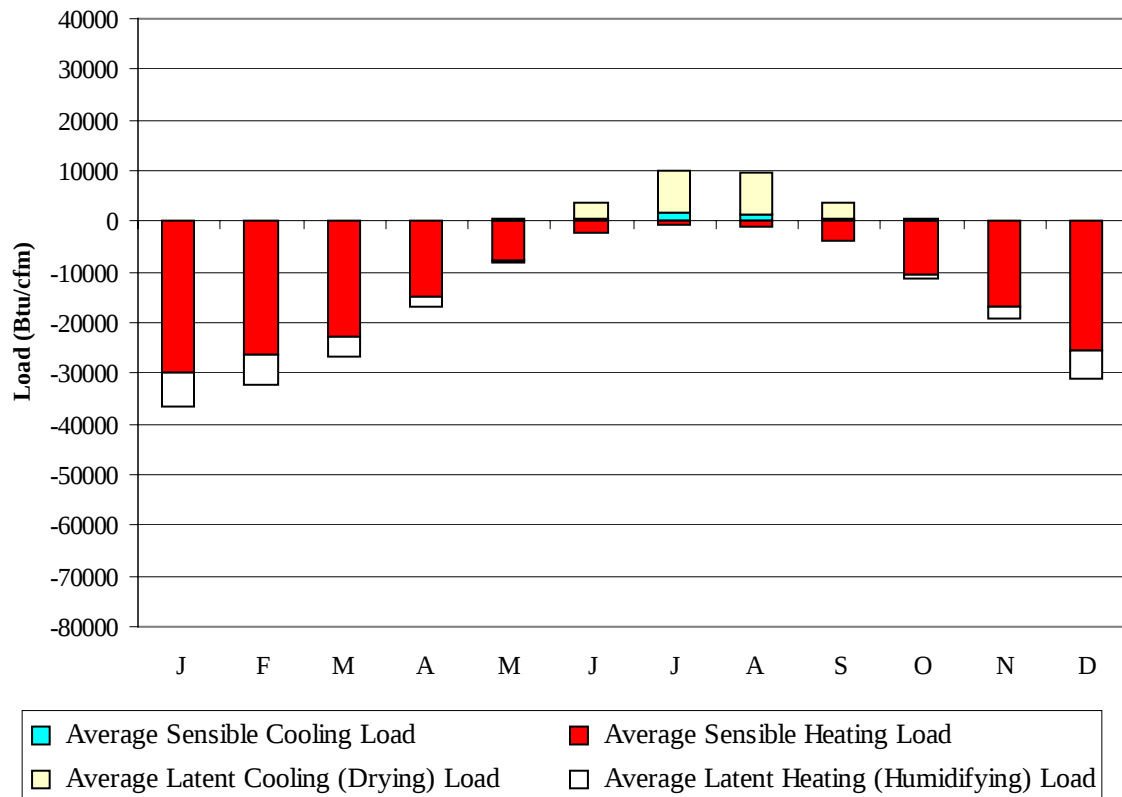
NY

WMO No. 725035



	Mean Cooling Degree Days (°F)	Mean Heating Degree Days (°F)
JAN	0	1058
FEB	0	928
MAR	1	778
APR	7	486
MAY	40	228
JUN	139	52
JUL	277	10
AUG	252	17
SEP	105	93
OCT	17	330
NOV	1	565
DEC	0	898
ANN	840	5443

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



	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	0	-29830	0	-6567
FEB	0	-26255	0	-5942
MAR	1	-22575	2	-4169
APR	26	-14853	3	-1923
MAY	174	-7895	319	-322
JUN	583	-2346	2966	-10
JUL	1651	-600	8166	0
AUG	1324	-867	8155	-1
SEP	341	-3660	3220	-37
OCT	19	-10700	620	-633
NOV	0	-16944	49	-2372
DEC	0	-25690	0	-5170
ANN	4119	-162215	23500	-27146

Average Annual Solar Radiation – Nearest Available Site

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

City: BRIDGEPORT
 State: CT
 WBAN No: 94702
 Lat(N): 41.17
 Long(W): 73.13
 Elev(ft): 7

Stn Type: Secondary
 SHADING GEOMETRY IN DIMENSIONLESS UNITS
 Window: 1
 Overhang: 0.567
 Vert Gap: 0.325

AVERAGE INCIDENT SOLAR RADIATION (Btu/sq.ft./day), Percentage Uncertainty = 11		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
HORIZ	Global	590	840	1160	1480	1720	1860	1850	1640	1330	970	620	490	1210
	Std Dev	35	65	75	102	121	124	104	90	83	62	48	38	21
	Minimum	540	690	1010	1290	1500	1560	1590	1390	1200	870	530	390	1170
	Maximum	680	1000	1310	1700	1940	2080	2000	1820	1490	1100	720	540	1260
	Diffuse	290	410	540	700	820	880	850	750	590	430	310	260	570
Clear Day	Global	830	1170	1650	2140	2460	2580	2490	2200	1770	1270	870	710	1680
NORTH	Global	190	250	330	430	530	590	560	470	370	280	190	160	360
	Diffuse	190	250	330	420	490	530	510	450	370	280	190	160	350
Clear Day	Global	180	240	320	430	570	670	620	470	360	260	190	160	370
EAST	Global	410	560	720	870	960	1010	1000	940	800	630	410	340	720
	Diffuse	230	310	410	510	590	620	610	560	460	340	240	200	420
Clear Day	Global	630	830	1080	1290	1410	1430	1390	1290	1110	870	640	560	1050
SOUTH	Global	990	1090	1060	950	830	790	830	940	1060	1120	930	850	950
	Diffuse	340	410	480	530	560	580	580	560	510	430	330	290	470
Clear Day	Global	1800	1890	1780	1440	1130	980	1030	1270	1590	1780	1740	1700	1510
WEST	Global	410	550	710	850	950	1020	1020	930	790	610	400	330	720
	Diffuse	230	310	410	510	590	630	620	560	460	340	240	190	430
Clear Day	Global	630	830	1080	1290	1410	1430	1390	1290	1110	870	640	560	1050

Average Annual Solar Heat and Illumination – Nearest Available Site

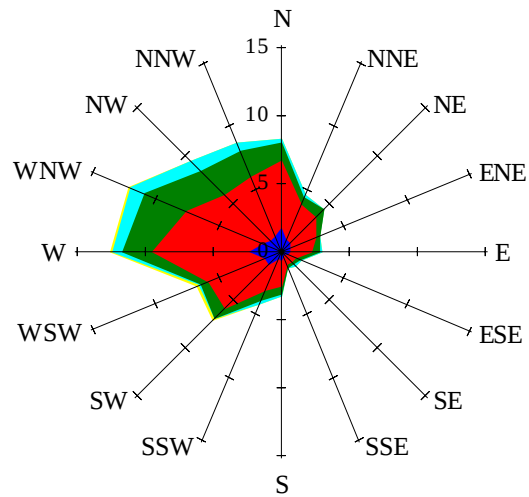
(Source: National Renewable Energy Laboratory, Golden CO, 1995)

AVERAGE TRANSMITTED SOLAR RADIATION (Btu/sq.ft./day) FOR DOUBLE GLAZING, Percentage Uncertainty = 11		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
HORIZ	Unshaded	380	570	820	1060	1240	1350	1340	1190	950	670	400	310	860
NORTH	Unshaded	130	180	230	290	350	390	370	320	250	190	140	110	250
	Shaded	110	150	200	260	310	340	330	280	230	170	120	96	220
EAST	Unshaded	280	390	510	620	680	710	700	660	560	440	290	230	510
	Shaded	250	340	440	520	570	590	590	560	480	390	250	210	430
SOUTH	Unshaded	750	800	740	630	530	490	510	600	720	810	690	650	660
	Shaded	730	740	580	400	340	350	350	380	510	710	670	630	530
WEST	Unshaded	280	380	500	600	670	720	720	660	560	430	280	230	500
	Shaded	250	330	430	510	560	600	600	550	480	380	250	200	430

AVERAGE INCIDENT ILLUMINANCE (klux-hr) FOR MOSTLY CLEAR AND MOSTLY CLOUDY CONDITIONS, Percentage Uncertainty = 11											
		March					June				
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	40	70	77	58	21	50	84	99	91	63
	M.Cloudy	22	41	45	35	13	29	51	67	62	41
NORTH	M.Clear	10	14	15	12	7	16	17	17	17	15
	M.Cloudy	9	15	16	13	6	13	17	19	19	15
EAST	M.Clear	70	51	15	12	7	75	68	26	17	15
	M.Cloudy	24	26	16	13	6	30	36	24	19	15
SOUTH	M.Clear	42	74	81	61	22	13	36	49	43	20
	M.Cloudy	17	34	39	29	9	12	24	35	31	17
WEST	M.Clear	10	14	27	66	56	13	17	17	55	77
	M.Cloudy	9	15	20	30	18	12	17	19	37	40
M.Clear	(% hrs)	37	35	33	32	35	38	37	33	32	34
		Sept					Dec				
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	29	65	80	72	41	14	37	41	22	0
	M.Cloudy	17	39	53	46	25	9	21	23	13	0
NORTH	M.Clear	9	14	16	15	11	5	9	10	7	0
	M.Cloudy	7	14	17	16	10	4	9	9	6	0
EAST	M.Clear	62	64	23	15	11	36	33	10	7	0
	M.Cloudy	20	31	20	16	10	10	15	9	6	0
SOUTH	M.Clear	23	59	75	66	34	36	76	82	51	0
	M.Cloudy	11	29	42	36	17	10	25	27	16	0
WEST	M.Clear	9	14	16	55	68	5	9	23	42	0
	M.Cloudy	7	14	17	31	29	4	9	13	14	0
M.Clear	(% hrs)	43	45	39	41	41	34	34	33	34	36

Wind Summary - December, January, and February

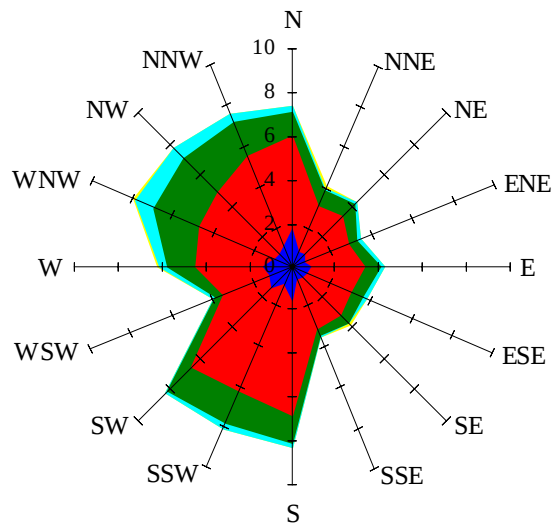
Labels of Percent Frequency on North Axis



Percent Calm = 9.90

Wind Summary - March, April, and May

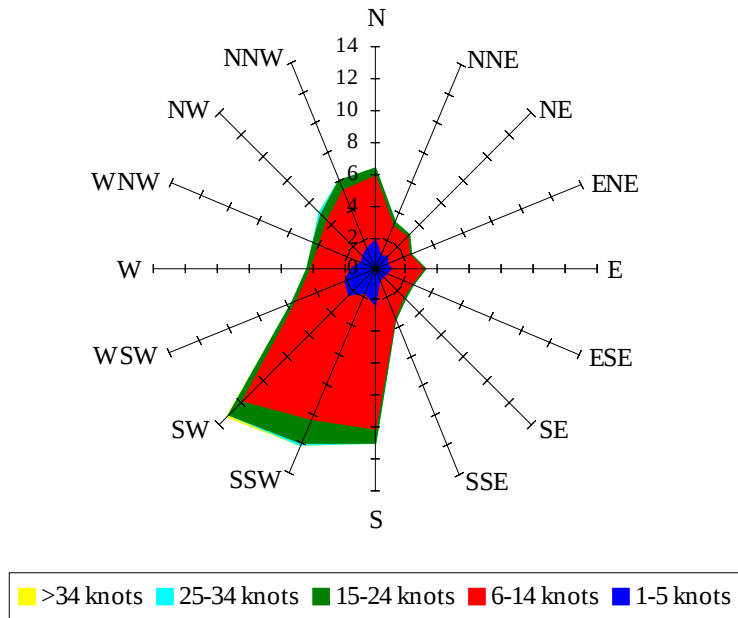
Labels of Percent Frequency on North Axis



Percent Calm = 8.34

Wind Summary - June, July, and August

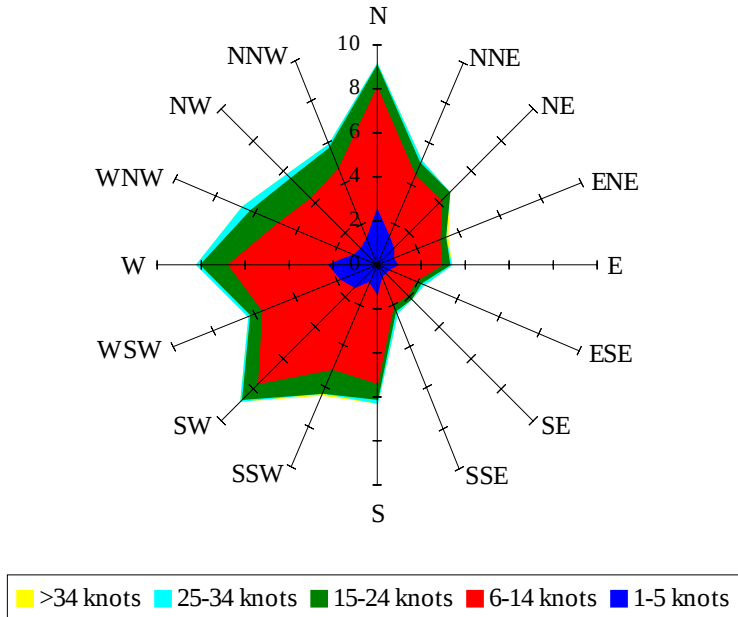
Labels of Percent Frequency on North Axis



Percent Calm = 11.99

Wind Summary - September, October, and November

Labels of Percent Frequency on North Axis



Percent Calm = 13.25