LAKEHURST NJ	
Latitude = 40.03 N	WMO No. 724090
Longitude = 74.35 W	Elevation = 102 feet
Period of Record = 1973 to 1996	Average Pressure = 29.90 inches Hg

Design Criteria Data

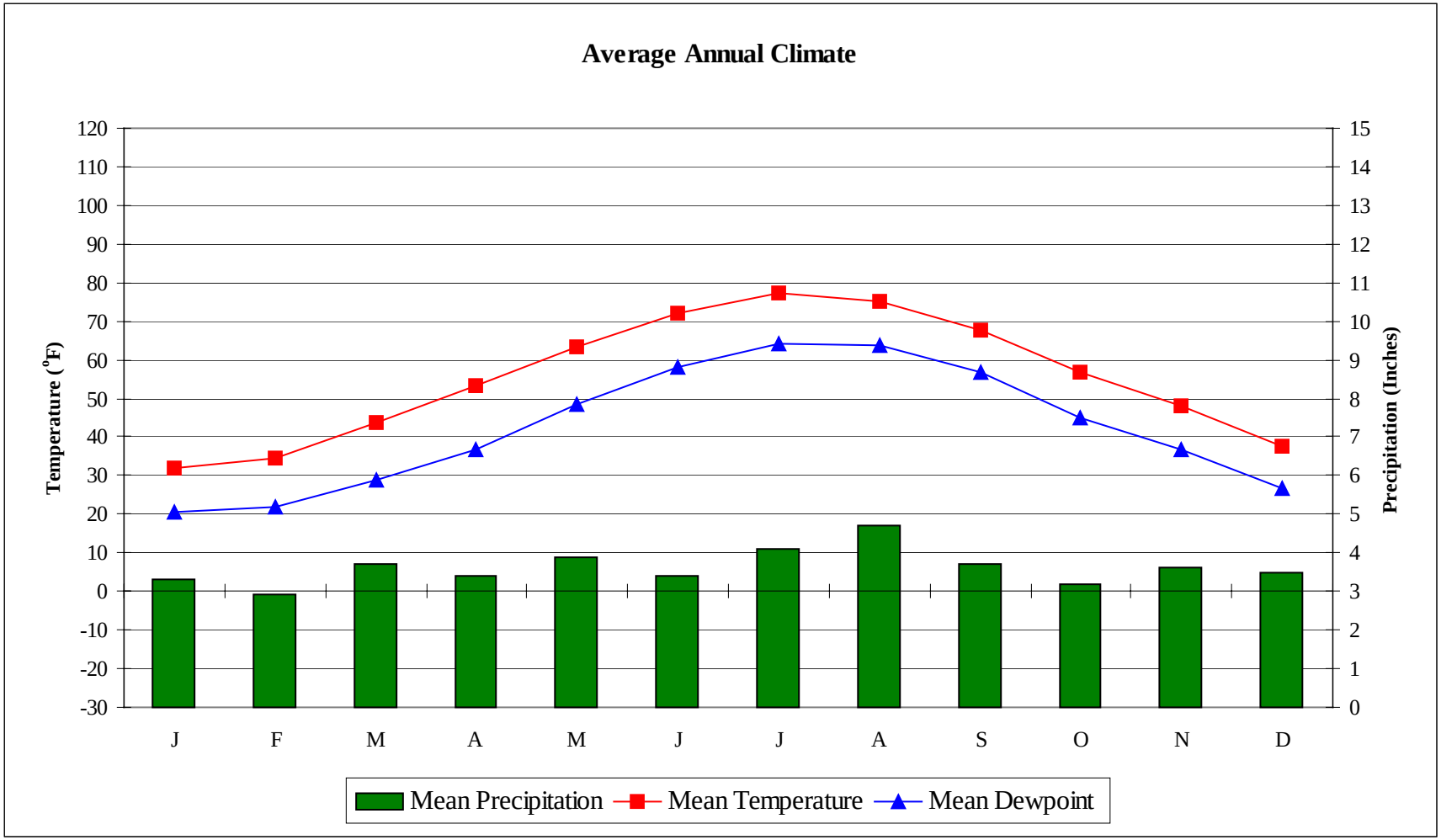
		Mean Coincident (Average) Values			
Dry Bulb Temperature (T)	**Design Value (^oF)**	Wet Bulb Temperature (^oF)	Humidity Ratio (gr/lb)	Wind Speed (mph)	Prevailing Direction (NSEW)
Median of Extreme Highs	98	77	104	8.8	WSW
0.4% Occurrence	93	76	106	9.0	W
1.0% Occurrence	91	74	102	8.7	W
2.0% Occurrence	88	73	97	8.7	W
Mean Daily Range	18	-	-	-	-
97.5% Occurrence	19	17	8	6.9	W
99.0% Occurrence	13	11	6	6.1	W
99.6% Occurrence	8	6	5	6.7	W
Median of Extreme Lows	2	1	3	6.9	W
		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	80	91	133	8.7	W
0.4% Occurrence	78	89	125	8.1	W
1.0% Occurrence	77	87	121	7.8	W
2.0% Occurrence	75	85	114	7.4	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	141	85	0.94	5.6	W
0.4% Occurrence	132	84	0.88	6.7	W
1.0% Occurrence	124	82	0.82	7.0	S
2.0% Occurrence	119	81	0.79	6.6	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	51	845	469	1476

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	3.0	110	1.2 + 0.7
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 (#)
57.5	N/A	N/A	53

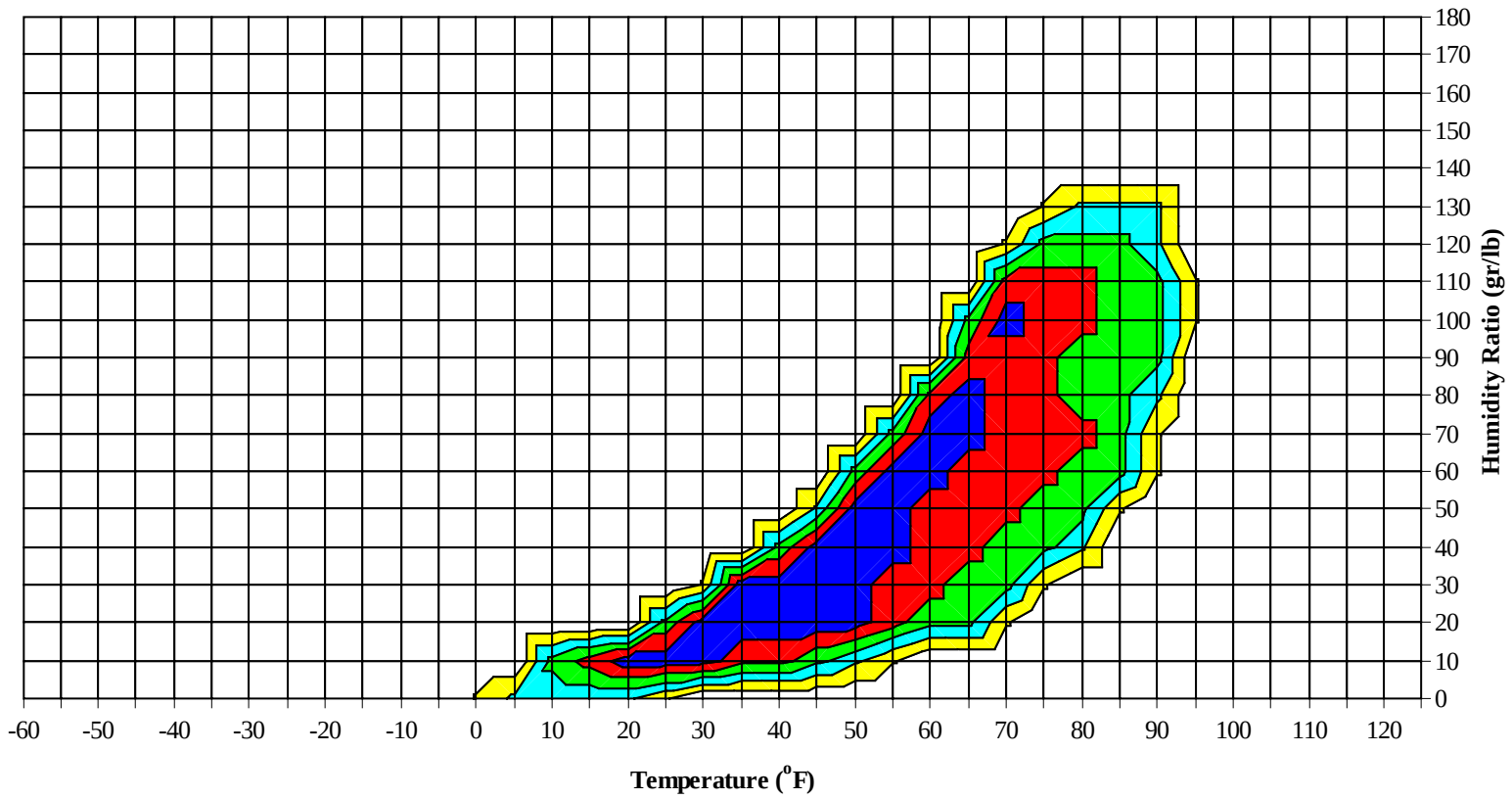
*Note: Temperatures at greater depths can be estimated by adding 1.5°F per 100 feet additional depth.

LAKEHURST **NJ** WMO No. 724090



LAKEHURST **NJ** WMO No. 724090

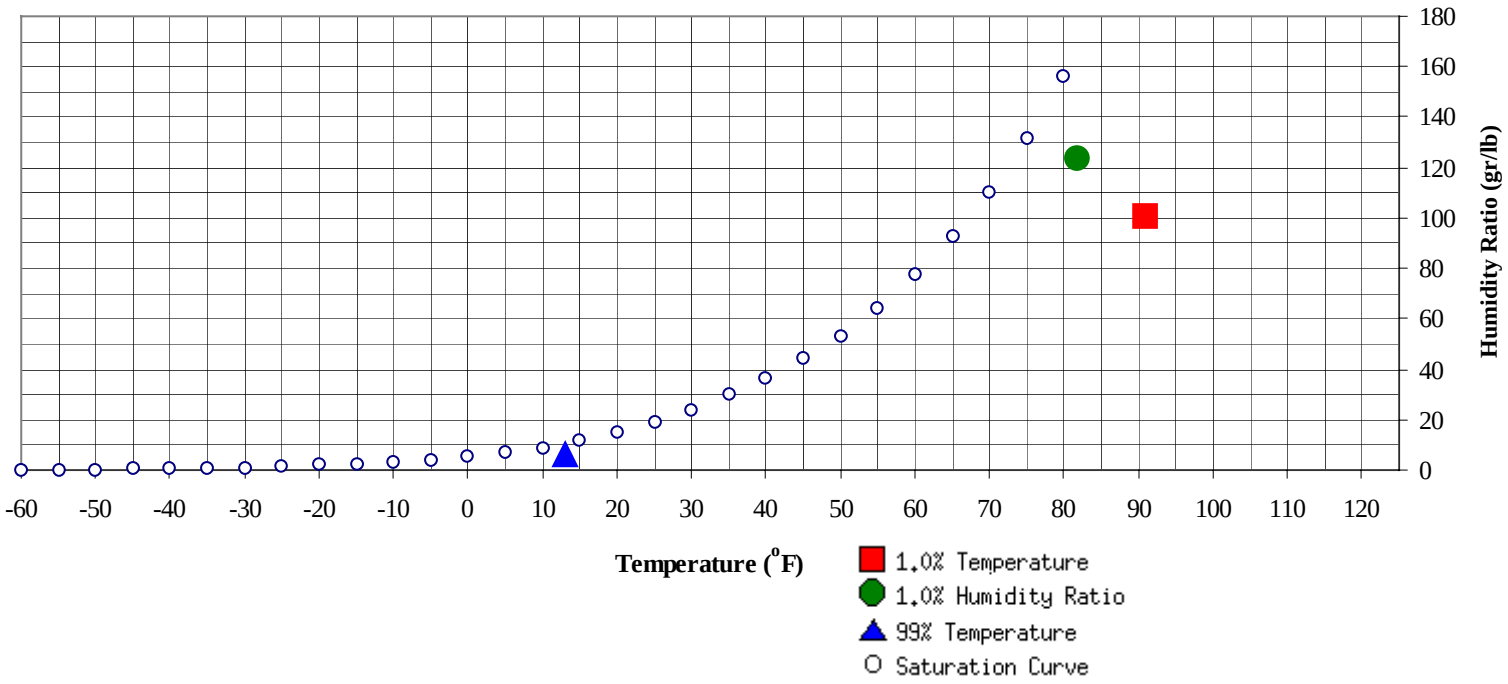
Long Term Psychrometric Summary



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

LAKEHURST **NJ** WMO No. 724090

Psychrometric Summary of Peak Design Values



	(°F)	MCHR (gr/lb)	Enthalpy (btu/lb)
99% Dry Bulb	13	6.4	4.1

	(gr/lb)	MCDB (°F)	MCWB (°F)	MC Dewpt (°F)	Enthalpy (btu/lb)
1.0% Humidity Ratio	123.9	81.8	75.5	73.1	39.1

	(°F)	MCHR (gr/lb)	MCWB (°F)	Enthalpy (btu/lb)
1.0% Dry Bulb	91	101.1	74.3	37.7

LAKEHURST NJ WMO No. 724090

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	January 09 To 16	January 17 To 00	January Total Obs	January MCWB (°F)	February Hour Group (LST) 01 To 08	February 09 To 16	February 17 To 00	February Total Obs	February MCWB (°F)	March Hour Group (LST) 01 To 08	March 09 To 16	March 17 To 00	March Total Obs	March MCWB (°F)
100 / 104															
95 / 99															
90 / 94															
85 / 89												0		0	64.8
80 / 84												2	0	2	64.1
75 / 79							0		0	61.3		3	0	3	59.8
70 / 74		0		0	59.0		1	0	1	56.5	0	5	1	6	57.0
65 / 69		1	0	1	55.4		3	0	3	53.8	2	9	3	13	54.9
60 / 64	2	4	1	6	53.6	0	7	2	9	52.3	3	16	7	26	51.9
55 / 59	3	7	5	16	52.2	3	10	7	20	49.7	8	27	16	52	48.5
50 / 54	5	14	8	27	46.5	7	17	10	33	45.5	15	39	29	83	44.7
45 / 49	8	23	9	40	41.2	15	27	17	59	41.2	29	40	43	112	40.6
40 / 44	18	37	23	78	37.1	16	36	27	79	36.6	47	47	51	145	36.9
35 / 39	33	41	34	108	32.9	26	38	38	102	32.4	46	31	48	125	32.6
30 / 34	50	45	49	143	28.8	36	31	41	108	28.0	42	18	27	88	28.3
25 / 29	35	29	40	104	24.1	31	28	36	95	23.4	29	8	16	53	23.8
20 / 24	30	25	35	90	19.4	36	17	29	83	19.5	16	3	5	24	19.0
15 / 19	30	11	24	65	14.9	28	7	11	45	15.0	8	1	2	11	15.1
10 / 14	20	6	12	38	10.3	16	3	6	25	10.5	2	0	0	2	10.7
5 / 9	8	3	4	15	5.6	7	1	1	9	5.8	0	0	0	0	5.5
0 / 4	5	1	2	8	0.6	2	0	0	2	1.4	0			0	1.8
-5 / -1	2	0	0	2	-3.5	0			0	-2.7					
-10 / -6	0	0	1	1	-7.8	0			0	-6.0					
-15 / -11	0		0	0	-11.3										
-20 / -16	0			0	-17.0										

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.

LAKEHURST NJ WMO No. 724090

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	77.5
95 / 99		0		0	67.0		1	0	1	73.3		3	0	3	75.5
90 / 94		1		1	66.3		5	0	5	71.6		14	2	17	73.6
85 / 89		3	0	3	64.5	0	12	3	15	68.8	0	30	11	41	71.3
80 / 84		5	2	7	63.3	1	20	6	27	66.2	4	49	21	74	68.5
75 / 79	0	9	3	13	60.4	4	31	15	50	63.5	17	53	39	109	66.0
70 / 74	3	18	6	27	57.3	10	40	26	76	60.4	47	40	52	140	64.2
65 / 69	4	24	13	41	54.6	24	45	41	109	58.0	59	27	53	140	61.5
60 / 64	16	38	27	82	51.9	49	44	51	143	54.9	58	16	40	114	58.0
55 / 59	25	43	36	104	48.5	58	29	50	137	51.8	36	5	20	61	54.1
50 / 54	37	43	47	126	45.1	51	17	37	106	48.1	13	1	2	16	49.7
45 / 49	53	33	54	139	41.6	30	4	14	49	43.7	4		0	4	44.9
40 / 44	51	15	31	97	37.9	16	1	5	21	39.7	1			1	40.2
35 / 39	23	5	13	41	33.1	4	0	0	4	34.9	0			0	35.0
30 / 34	20	1	7	29	29.0	1			1	30.0					
25 / 29	6	1	1	8	24.7										
20 / 24	1	0	0	1	19.6										
15 / 19															
10 / 14															
5 / 9															
0 / 4															
-5 / -1															
-10 / -6															
-15 / -11															
-20 / -16															

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.

LAKEHURST NJ WMO No. 724090

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	79.2		0		0	77.0					
95 / 99		9	1	10	77.4		2	0	2	77.0		1	0	1	75.4
90 / 94	0	28	7	35	75.5		18	2	20	75.7		5	1	6	75.3
85 / 89	1	55	20	76	72.9		48	14	62	73.2	0	13	2	15	72.6
80 / 84	13	65	43	121	70.5	5	67	31	103	70.9	1	30	9	41	70.1
75 / 79	44	50	66	159	68.8	30	58	61	149	69.2	7	46	22	75	67.0
70 / 74	82	30	69	181	67.0	76	37	75	188	67.1	29	56	47	132	64.8
65 / 69	62	9	30	101	63.7	70	12	44	126	63.6	46	45	48	140	61.2
60 / 64	30	2	11	43	59.4	42	4	17	64	59.5	47	34	58	139	57.6
55 / 59	13	0	1	14	54.7	17	1	3	21	54.6	50	9	35	93	53.9
50 / 54	3		0	3	50.5	5		1	6	49.8	33	1	13	47	49.3
45 / 49	0			0	47.0	1		0	1	44.0	18	0	3	22	44.7
40 / 44						1			1	40.0	8		1	9	40.2
35 / 39											1			1	35.3
30 / 34															
25 / 29															
20 / 24															
15 / 19															
10 / 14															
5 / 9															
0 / 4															
-5 / -1															
-10 / -6															
-15 / -11															
-20 / -16															

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.

LAKEHURST NJ WMO No. 724090

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															
85 / 89		1		1	70.0										
80 / 84		7	0	7	68.0		1		1	65.0					
75 / 79	0	15	2	18	64.9		3	0	3	63.9		0		0	64.0
70 / 74	3	31	9	43	62.0		9	1	10	61.9		1		1	61.4
65 / 69	12	42	23	77	58.9	5	16	6	27	59.1	0	3	1	4	58.3
60 / 64	24	48	42	114	55.5	11	27	18	56	55.9	3	7	4	14	55.9
55 / 59	40	50	51	142	51.1	21	39	26	86	51.1	7	12	8	27	51.9
50 / 54	44	33	50	127	47.0	28	42	40	109	46.6	13	24	14	50	47.1
45 / 49	40	14	34	88	43.1	32	42	41	115	42.0	16	37	24	77	42.1
40 / 44	42	4	22	67	38.9	41	34	41	116	37.4	26	51	42	119	37.6
35 / 39	25	1	10	37	34.5	39	19	36	93	33.2	38	46	50	134	32.9
30 / 34	13	1	5	19	30.3	37	7	23	68	29.3	48	30	42	119	28.5
25 / 29	4	0	0	4	26.1	18	1	6	25	25.1	43	19	31	93	24.1
20 / 24	0			0	23.3	6	1	1	8	20.7	26	14	18	58	19.6
15 / 19						2	0	1	3	15.9	13	4	8	26	14.9
10 / 14						0			0	13.0	8	1	3	13	10.5
5 / 9											5	1	2	8	5.7
0 / 4											2	0	1	3	1.4
-5 / -1															
-10 / -6															
-15 / -11															
-20 / -16															

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.

LAKEHURST NJ WMO No. 724090

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

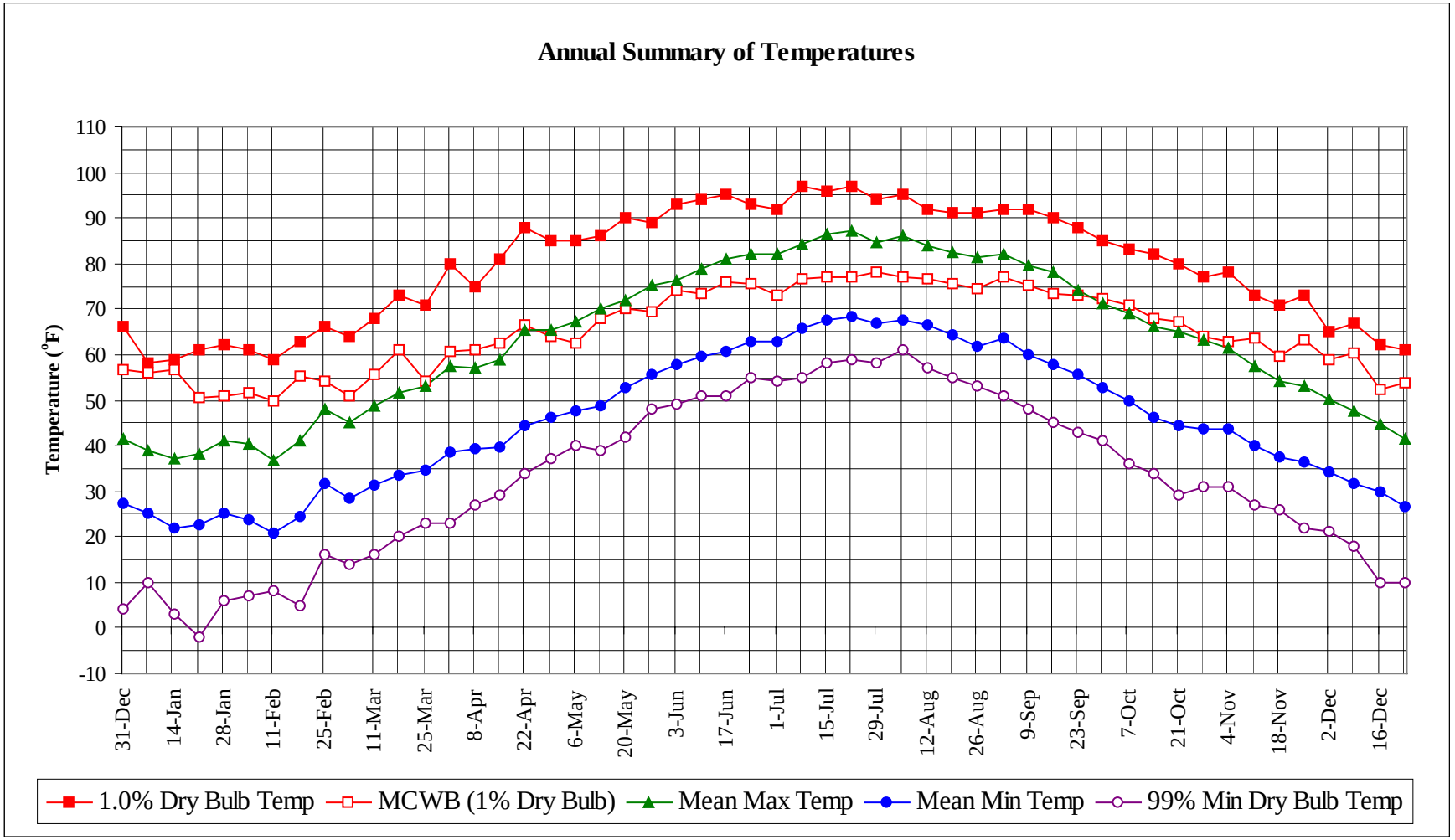
Period of Record = 1973 to 1996

Annual Totals

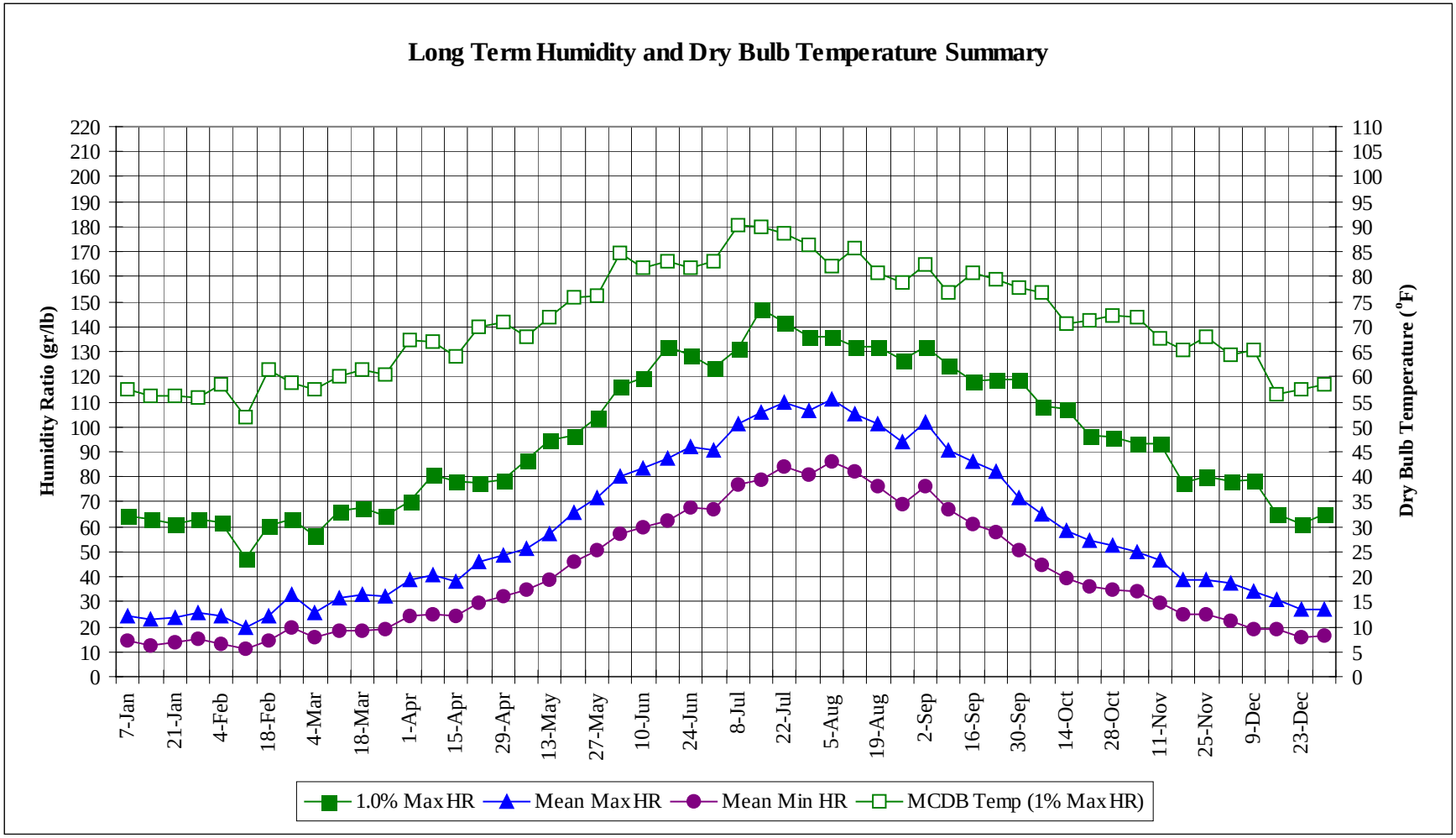
Temperature Range (°F)	Hour Group (LST) 01 To 08	09 To 16	17 To 00	Total Obs	MCWB (°F)
100 / 104		1	0	1	78.8
95 / 99		15	1	16	76.7
90 / 94	0	71	13	84	74.7
85 / 89	3	161	46	209	72.2
80 / 84	26	242	103	371	69.6
75 / 79	111	264	192	567	67.2
70 / 74	272	264	266	802	64.5
65 / 69	307	235	246	787	60.4
60 / 64	307	243	267	816	55.9
55 / 59	295	233	256	784	51.3
50 / 54	257	233	254	744	46.5
45 / 49	246	223	249	718	41.9
40 / 44	257	228	254	739	37.5
35 / 39	218	184	244	646	32.9
30 / 34	227	136	208	571	28.6
25 / 29	149	87	142	378	24.0
20 / 24	104	61	95	260	19.5
15 / 19	71	22	49	142	15.0
10 / 14	42	11	24	77	10.4
5 / 9	17	4	9	30	5.7
0 / 4	7	1	3	12	0.9
-5 / -1	3	0	0	3	-3.4
-10 / -6	0	0	1	1	-7.7
-15 / -11	0		0	0	-11.3
-20 / -16	0			0	-17.0

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.

LAKEHURST **NJ** WMO No. 724090



LAKEHURST **NJ** WMO No. 724090

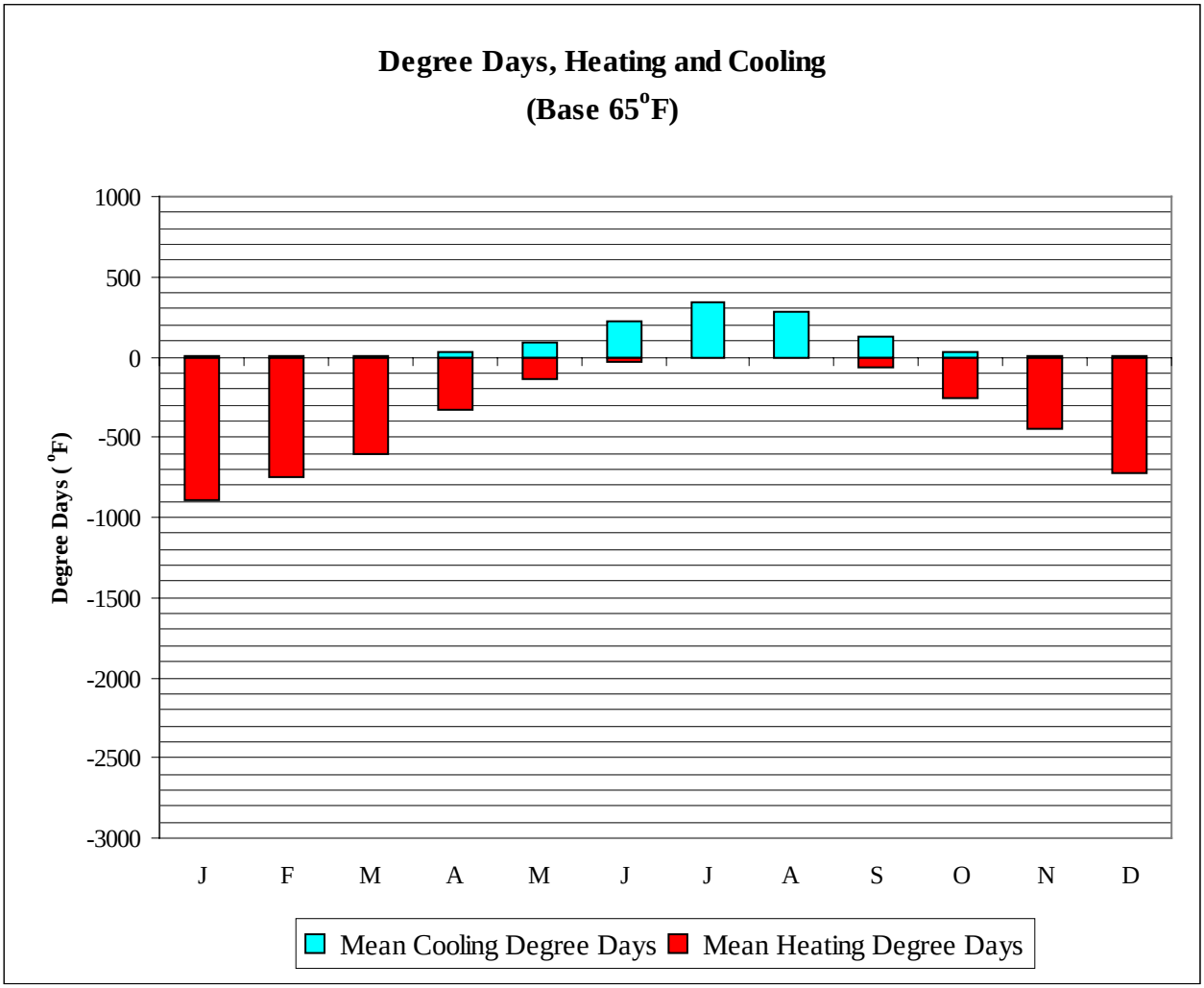


LAKEHURST **NJ** WMO No. 724090

Long Term Dry Bulb Temperature and Humidity Summary

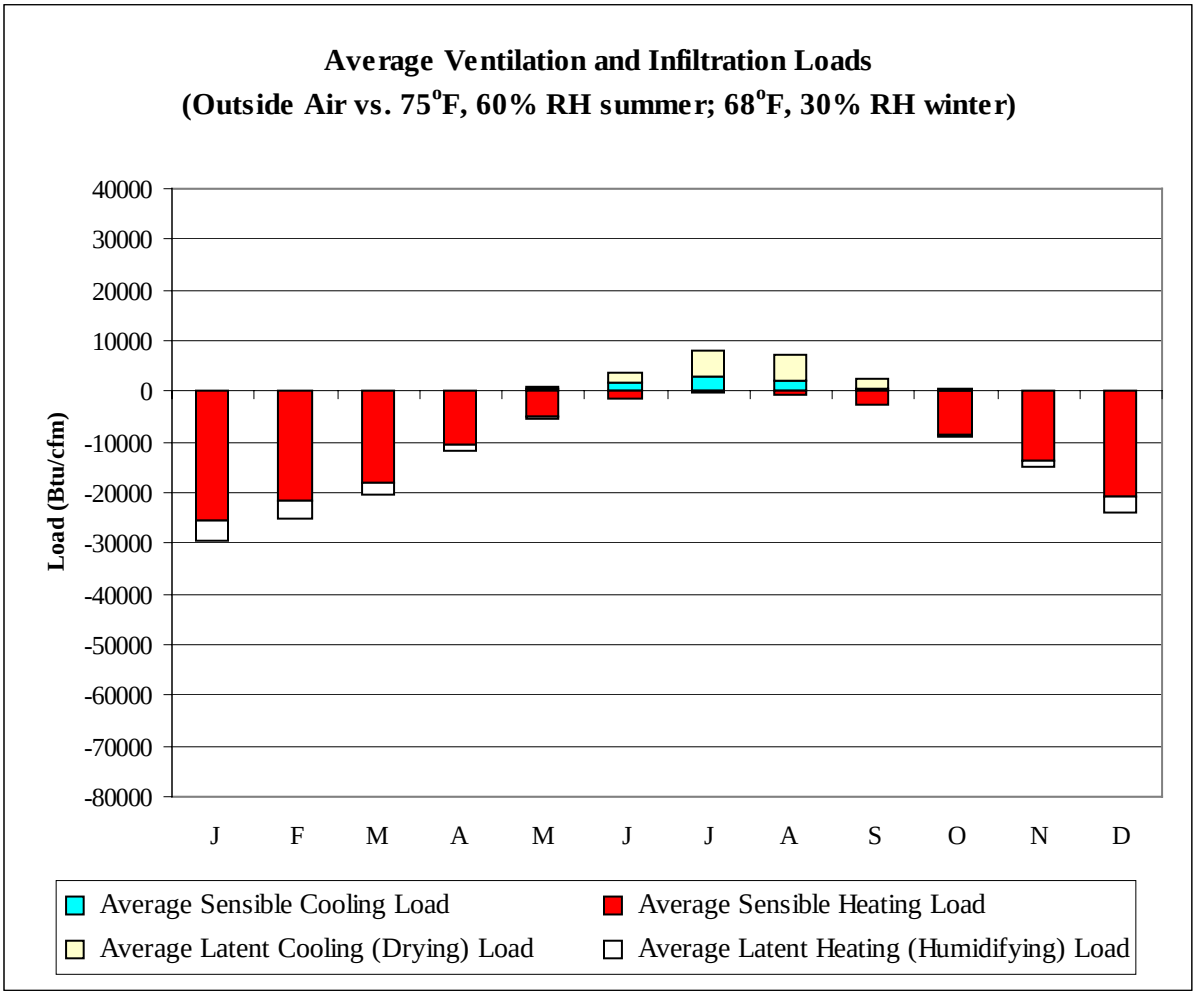
Week Ending	1.0% Temp (°F)	MCWB @ 1% Temp (°F)	Mean Max Temp (°F)	Mean Min Temp (°F)	99% Temp (°F)	1.0% HR (gr/lb)	MCDB @ 1% HR (°F)	Mean Max HR (gr/lb)	Mean Min HR (gr/lb)
7-Jan	58.0	55.9	39.1	25.2	10.0	64.4	57.5	24.6	14.2
14-Jan	59.0	56.8	37.0	22.0	3.0	63.0	56.0	22.8	12.6
21-Jan	61.0	50.5	38.2	22.5	-2.0	60.9	56.1	23.8	13.5
28-Jan	62.0	50.8	41.3	25.3	6.0	63.0	55.7	25.7	15.0
4-Feb	61.0	51.8	40.5	23.7	7.0	61.6	58.5	24.1	13.1
11-Feb	59.0	49.9	36.9	21.0	8.0	47.6	52.0	19.5	11.1
18-Feb	63.0	55.3	41.1	24.4	5.0	60.2	61.5	24.4	14.2
25-Feb	66.0	54.3	48.2	31.6	16.0	63.0	58.9	32.6	19.9
4-Mar	64.0	50.9	45.0	28.6	14.0	56.7	57.3	25.6	15.7
11-Mar	68.0	55.7	48.7	31.2	16.0	66.5	60.2	31.7	18.4
18-Mar	73.0	61.0	51.7	33.6	20.0	67.9	61.4	33.0	18.6
25-Mar	71.0	54.3	52.9	34.5	23.0	64.4	60.4	32.2	19.3
1-Apr	80.0	60.7	57.5	38.7	23.0	70.0	67.2	38.8	24.0
8-Apr	75.0	61.0	57.2	39.5	27.0	80.5	67.1	40.6	24.7
15-Apr	81.0	62.3	59.0	39.6	29.0	78.4	64.0	38.1	24.0
22-Apr	88.0	66.3	65.5	44.2	34.0	77.7	69.9	45.7	29.9
29-Apr	85.0	64.0	65.5	46.0	37.0	79.1	71.1	48.7	31.9
6-May	85.0	62.4	67.3	47.8	40.0	86.8	68.0	51.4	34.9
13-May	86.0	67.8	70.1	48.9	39.0	94.5	72.0	57.3	38.5
20-May	90.0	70.2	71.9	52.6	42.0	96.6	76.0	65.4	45.8
27-May	89.0	69.3	75.3	55.5	48.0	103.6	76.1	71.8	50.9
3-Jun	93.0	74.2	76.5	57.9	49.0	116.2	84.9	80.4	57.0
10-Jun	94.0	73.6	78.8	59.7	51.0	119.7	81.9	83.4	59.6
17-Jun	95.0	76.1	81.0	60.8	51.0	132.3	83.2	87.2	62.5
24-Jun	93.0	75.4	82.2	62.8	55.0	128.8	81.7	92.2	68.0
1-Jul	92.0	72.9	82.0	62.7	54.0	123.2	83.0	90.6	66.8
8-Jul	97.0	76.8	84.3	65.8	55.0	131.6	90.4	101.2	76.8
15-Jul	96.0	77.1	86.4	67.5	58.0	147.0	89.8	105.5	78.9
22-Jul	97.0	77.0	87.1	68.3	59.0	142.1	88.7	109.5	84.1
29-Jul	94.0	78.1	84.6	66.8	58.0	135.8	86.4	106.5	81.1
5-Aug	95.0	76.9	86.2	67.6	61.0	135.8	82.1	111.2	86.1
12-Aug	92.0	76.6	83.9	66.6	57.0	132.3	85.6	105.1	82.1
19-Aug	91.0	75.4	82.6	64.5	55.0	132.3	80.7	101.4	76.5
26-Aug	91.0	74.6	81.3	61.8	53.0	126.7	78.8	93.9	68.8
2-Sep	92.0	77.2	82.1	63.6	51.0	132.3	82.4	101.6	76.0
9-Sep	92.0	75.2	79.5	60.1	48.0	124.6	77.0	90.9	67.0
16-Sep	90.0	73.3	78.2	57.7	45.0	118.3	80.9	85.9	61.0
23-Sep	88.0	73.2	74.2	55.8	43.0	119.0	79.5	81.8	57.8
30-Sep	85.0	72.4	71.1	52.8	41.0	119.0	77.9	71.8	50.4
7-Oct	83.0	70.9	69.0	49.8	36.0	108.5	76.7	65.2	44.4
14-Oct	82.0	67.9	66.0	46.2	34.0	107.1	70.5	58.7	39.1
21-Oct	80.0	67.3	65.2	44.3	29.0	96.6	71.2	54.4	36.2
28-Oct	77.0	63.9	63.4	43.6	31.0	95.9	72.1	52.4	34.7
4-Nov	78.0	62.7	61.5	43.6	31.0	93.1	71.9	50.0	33.9
11-Nov	73.0	63.7	57.6	40.1	27.0	93.1	67.6	46.4	29.6
18-Nov	71.0	59.6	54.3	37.5	26.0	77.7	65.4	39.0	24.9
25-Nov	73.0	63.4	53.1	36.4	22.0	79.8	68.1	38.8	24.9
2-Dec	65.0	58.9	50.3	34.4	21.0	78.4	64.5	37.5	22.0
9-Dec	67.0	60.2	47.8	31.5	18.0	79.1	65.3	33.9	19.3
16-Dec	62.0	52.3	44.9	29.8	10.0	65.1	56.4	31.1	19.2
23-Dec	61.0	53.9	41.6	26.5	10.0	60.9	57.5	26.9	15.6
31-Dec	66.0	56.7	41.6	27.5	4.0	65.1	58.3	27.0	16.7

LAKEHURST **NJ** WMO No. 724090



	Mean Cooling Degree Days (°F)	Mean Heating Degree Days (°F)
JAN	0	895
FEB	0	753
MAR	7	601
APR	25	330
MAY	92	136
JUN	223	29
JUL	339	5
AUG	285	11
SEP	131	64
OCT	32	259
NOV	6	447
DEC	1	724
ANN	1142	4254

LAKEHURST **NJ** WMO No. 724090



	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	0	-25421	0	-4132
FEB	0	-21587	0	-3677
MAR	19	-17869	0	-2642
APR	113	-10595	13	-1237
MAY	505	-5013	433	-205
JUN	1552	-1351	2257	-6
JUL	2959	-313	5061	0
AUG	2192	-569	4969	0
SEP	691	-2690	1843	-14
OCT	90	-8694	312	-418
NOV	8	-13703	58	-1331
DEC	0	-20975	2	-2800
ANN	8129	-128780	14948	-16462

Average Annual Solar Radiation – Nearest Available Site

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

City: ATLANTIC CITY
State: NJ
WBAN No: 93730
Lat(N): 39.45
Long(W): 74.57
Elev(ft): 66

Stn Type: Secondary
SHADING GEOMETRY IN DIMENSIONLESS UNITS
Window: 1
Overhang: 0.518
Vert Gap: 0.318

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	650	900	1230	1540	1780	1930	1870	1690	1390	1050	710	560	1280
	Std Dev	45	79	94	119	112	118	116	94	88	86	57	43	31
	Minimum	550	760	1040	1300	1620	1700	1620	1470	1240	870	590	470	1220
	Maximum	730	1070	1410	1770	2040	2140	2160	1890	1560	1210	830	640	1350
	Diffuse	300	410	540	690	820	860	850	750	610	430	320	270	570
Clear Day	Global	920	1260	1730	2200	2490	2590	2510	2240	1830	1360	970	810	1740
NORTH	Global	190	260	340	430	540	600	570	470	380	290	210	170	370
	Diffuse	190	260	340	430	500	530	510	460	380	290	210	170	360
Clear Day	Global	180	240	320	430	570	670	620	470	360	270	190	160	370
EAST	Global	450	590	760	910	980	1050	1020	960	830	670	480	390	760
	Diffuse	240	320	420	520	590	630	620	560	470	360	260	210	430
Clear Day	Global	700	900	1130	1320	1410	1430	1400	1300	1150	920	720	630	1080
SOUTH	Global	1050	1120	1090	960	830	770	800	920	1070	1190	1060	970	980
	Diffuse	340	410	480	530	570	570	570	560	520	440	360	310	470
Clear Day	Global	1930	1950	1770	1400	1070	920	970	1220	1570	1830	1870	1850	1530
WEST	Global	440	580	750	890	990	1060	1030	960	830	670	470	390	760
	Diffuse	240	320	420	520	600	630	630	570	480	360	260	210	440
Clear Day	Global	700	900	1130	1320	1410	1430	1400	1300	1150	920	720	630	1080

Average Annual Solar Heat and Illumination – Nearest Available Site

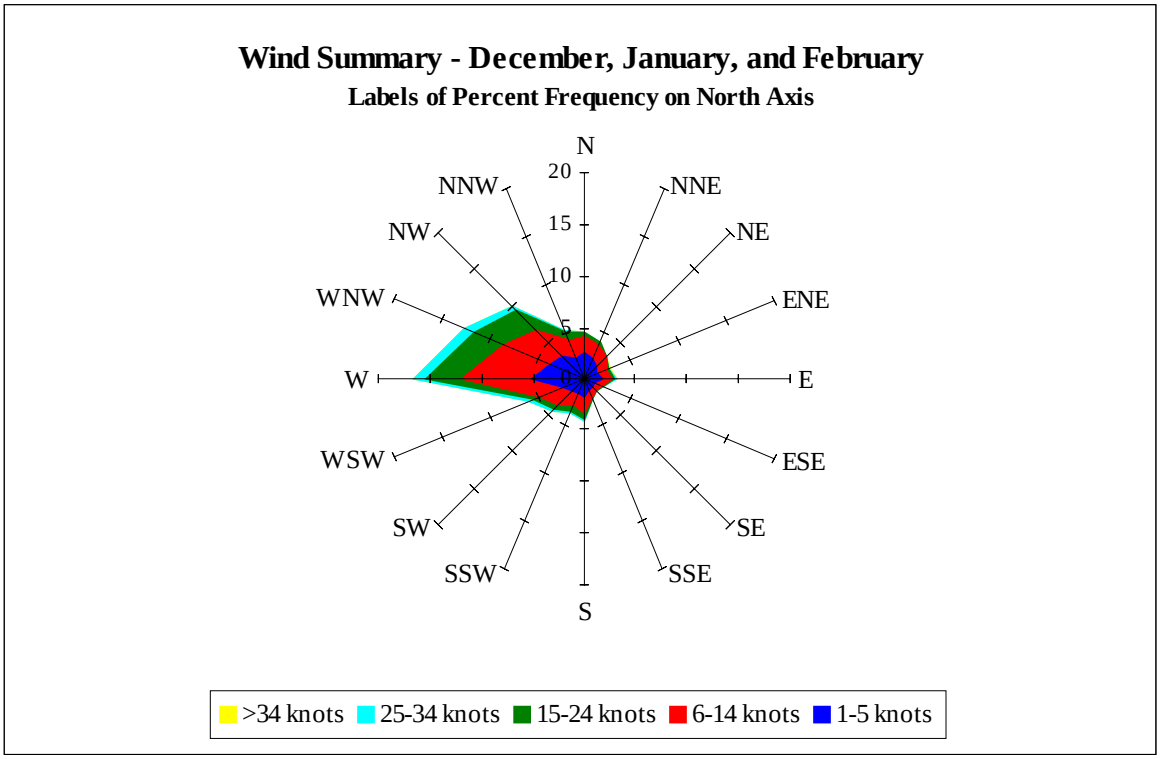
(Source: National Renewable Energy Laboratory, Golden CO, 1995)

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

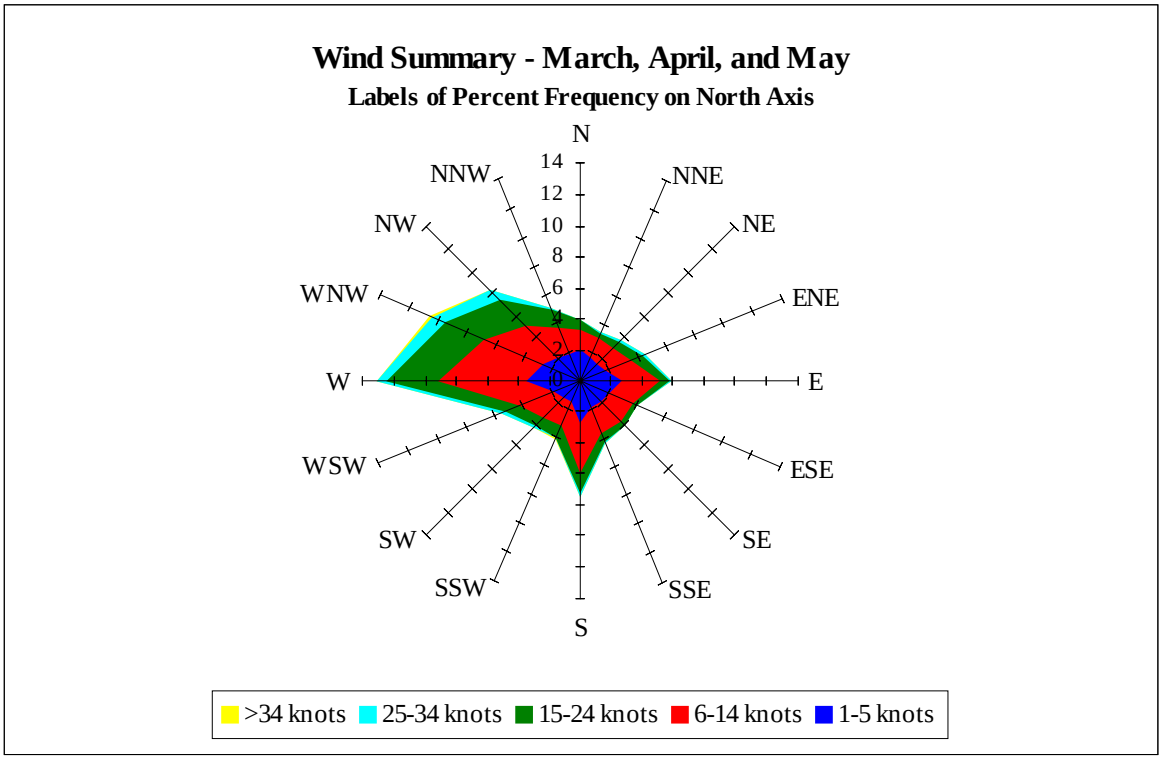
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
HORIZ	Unshaded	420	610	870	1110	1290	1410	1360	1220	990	730	470	360	900
NORTH	Unshaded	140	180	240	300	360	390	380	320	260	200	150	120	250
	Shaded	120	160	210	260	320	350	340	290	240	180	130	110	220
EAST	Unshaded	310	410	540	650	690	740	720	680	590	470	330	270	530
	Shaded	280	370	470	560	590	630	620	580	510	420	300	240	470
SOUTH	Unshaded	790	820	760	620	510	470	490	590	720	850	790	730	680
	Shaded	770	760	600	410	350	350	350	380	530	750	770	710	560
WEST	Unshaded	300	400	530	630	700	750	730	680	590	470	320	260	530
	Shaded	270	360	460	540	600	640	620	580	520	420	290	240	460

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

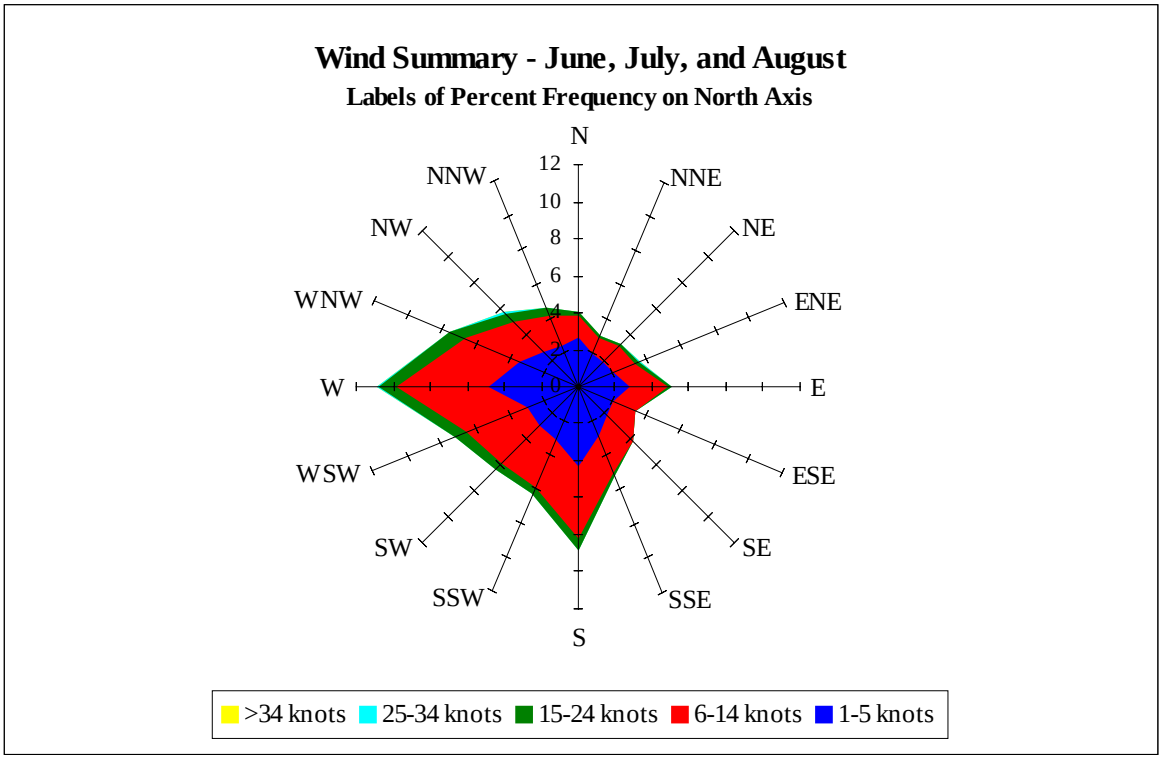
		March					June				
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	41	72	80	62	25	47	83	99	93	65
	M.Cloudy	23	45	49	39	15	31	56	71	68	45
NORTH	M.Clear	10	14	15	13	7	18	16	17	17	15
	M.Cloudy	9	15	16	14	6	14	17	19	19	15
EAST	M.Clear	74	54	15	13	7	75	70	29	17	15
	M.Cloudy	28	30	16	14	6	35	43	26	19	15
SOUTH	M.Clear	41	73	81	62	24	12	32	46	41	19
	M.Cloudy	18	38	42	32	11	12	25	36	32	17
WEST	M.Clear	10	14	25	67	62	12	16	17	53	77
	M.Cloudy	9	15	20	33	21	12	17	19	39	44
M.Clear	(% hrs)	36	33	31	31	33	39	36	33	31	35
		Sept					Dec				
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	29	66	83	74	44	16	41	46	27	1
	M.Cloudy	18	42	57	51	29	10	24	27	17	1
NORTH	M.Clear	9	14	16	15	12	6	10	10	8	1
	M.Cloudy	8	15	17	16	11	4	9	10	7	1
EAST	M.Clear	63	67	26	15	12	43	37	10	8	1
	M.Cloudy	24	35	22	16	11	13	17	10	7	1
SOUTH	M.Clear	22	57	74	65	36	40	80	87	59	4
	M.Cloudy	11	31	45	40	20	12	30	33	21	1
WEST	M.Clear	9	14	16	53	71	6	10	23	47	6
	M.Cloudy	8	15	17	34	34	4	9	14	18	2
M.Clear	(% hrs)	42	42	37	37	40	33	33	31	32	37



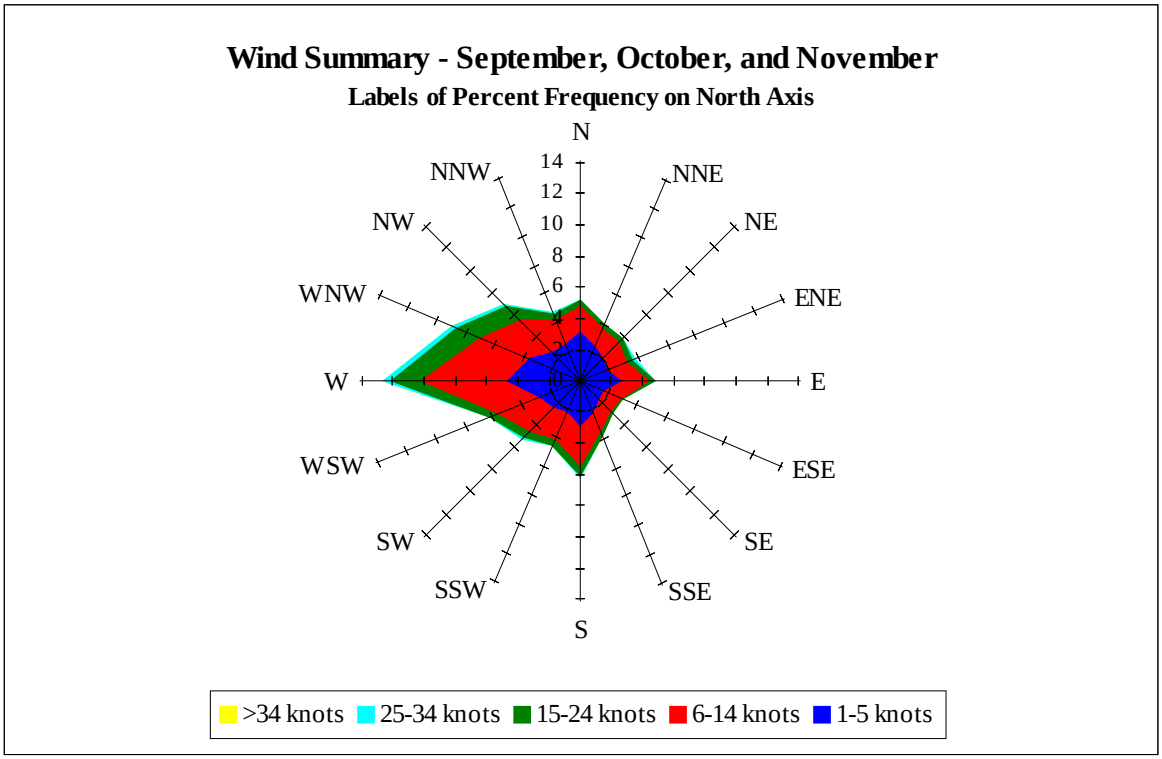
Percent Calm = 15.26



Percent Calm = 9.72



Percent Calm = 12.07



Percent Calm = 14.57