PEASE AFB/PORTSMOUTH NH	
Latitude = 43.08 N	WMO No. 726055
Longitude = 70.82 W	Elevation = 102 feet
Period of Record = 1967 to 1996	Average Pressure = 29.84 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	93	75	106	9.2	W
0.4% Occurrence	88	73	96	8.6	W
1.0% Occurrence	85	71	92	8.5	W
2.0% Occurrence	82	70	91	8.3	W
Mean Daily Range	16	-	-	-	-
97.5% Occurrence	12	10	5	9.0	W
99.0% Occurrence	6	4	4	8.8	WNW
99.6% Occurrence	2	0	3	8.7	WNW
Median of Extreme Lows	-5	-6	2	10.4	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	79	89	133	7.5	W
0.4% Occurrence	76	85	122	7.1	W
1.0% Occurrence	74	82	113	7.4	W
2.0% Occurrence	72	79	107	6.8	WSW
		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	137	85	0.90	6.7	SW
0.4% Occurrence	124	81	0.82	6.5	SW
1.0% Occurrence	116	77	0.77	5.4	WSW
2.0% Occurrence	110	76	0.74	5.9	SW
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	5	302	146	703

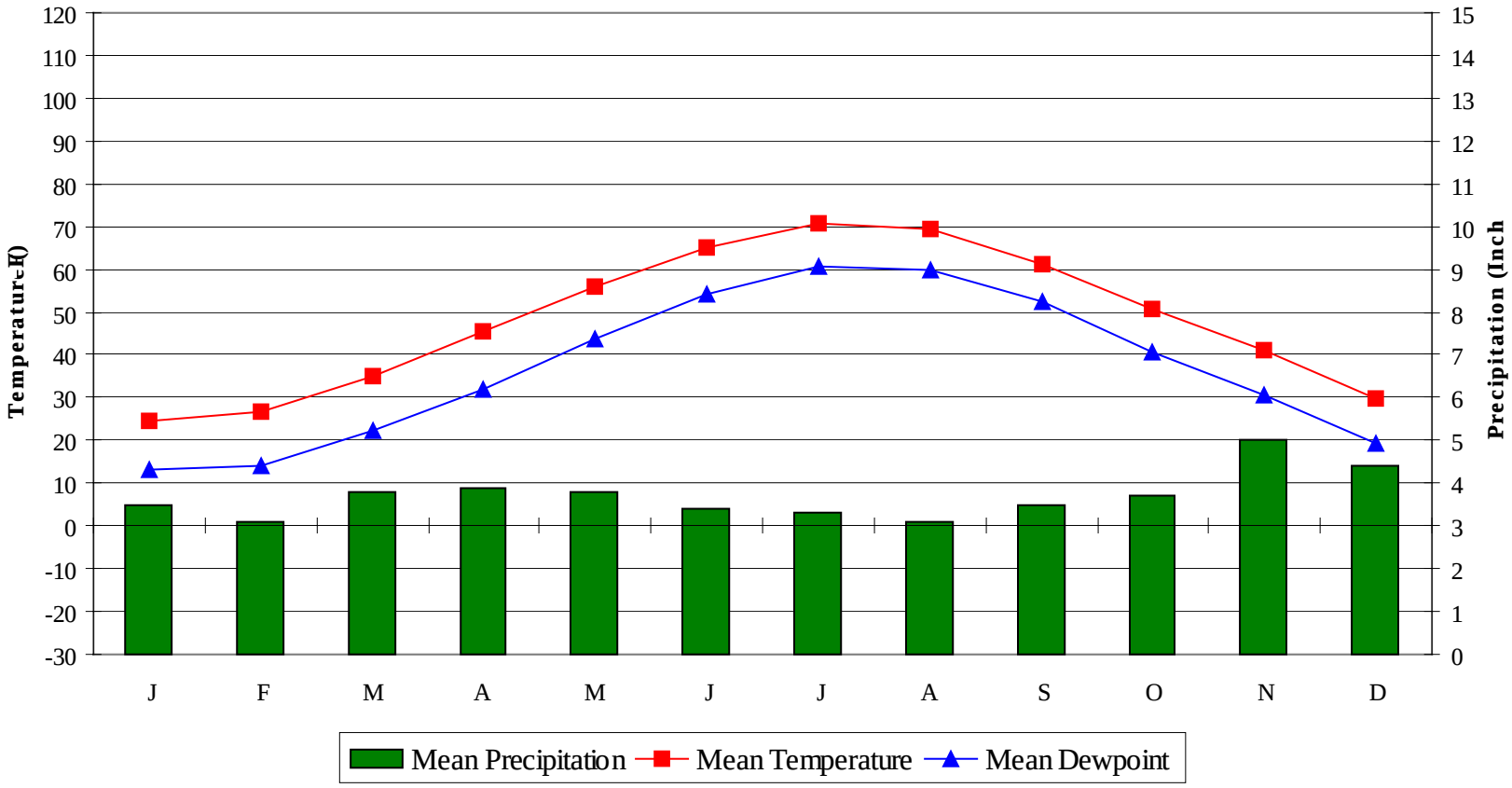
Other Site Data

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
6	2.5	100	0.9 + 0.3
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 (#)**
50.5	64	50	67

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

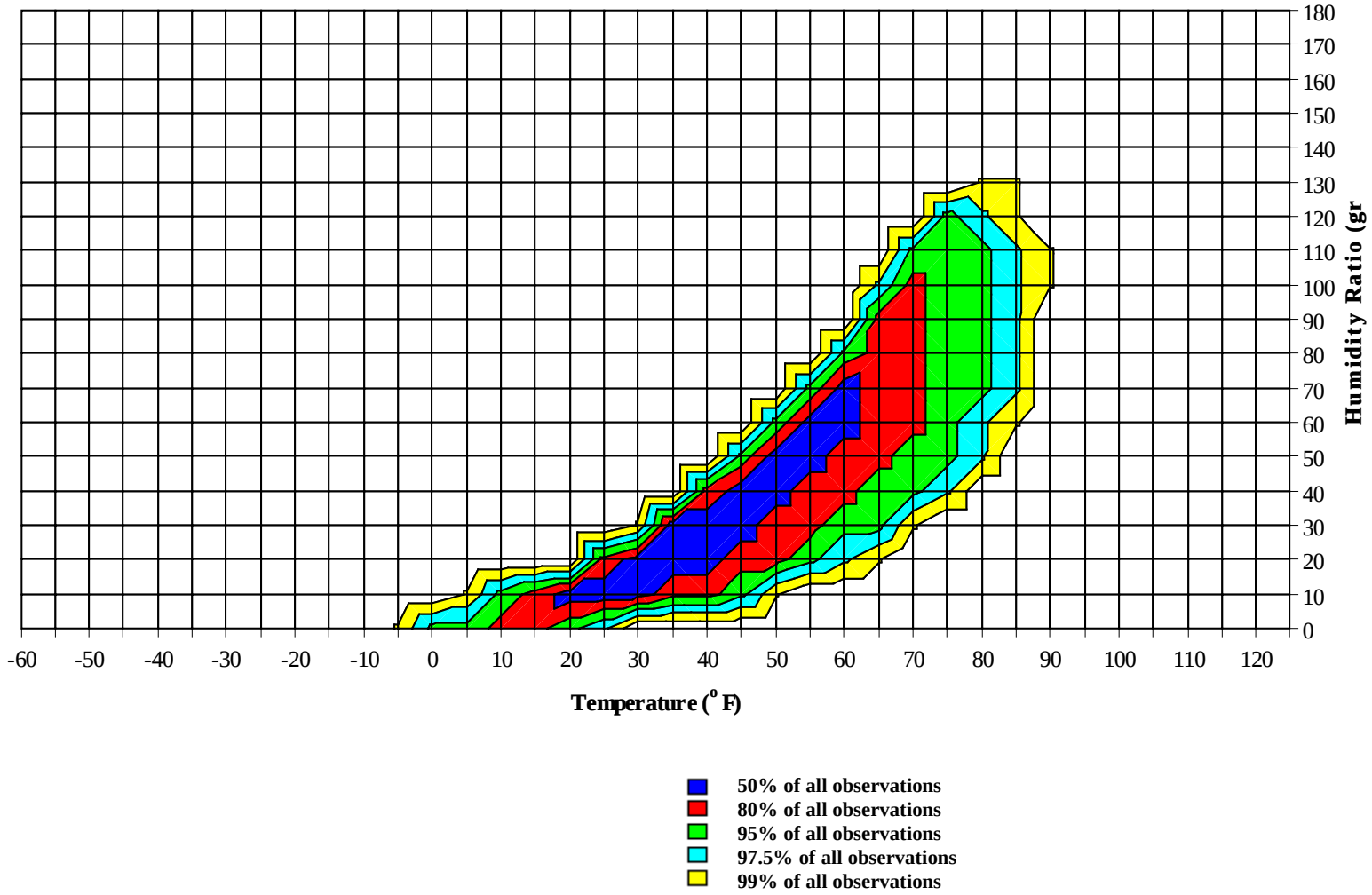
PEASE AFB/PORTSMOUTH NH WMO No. 726055

Average Annual Climate



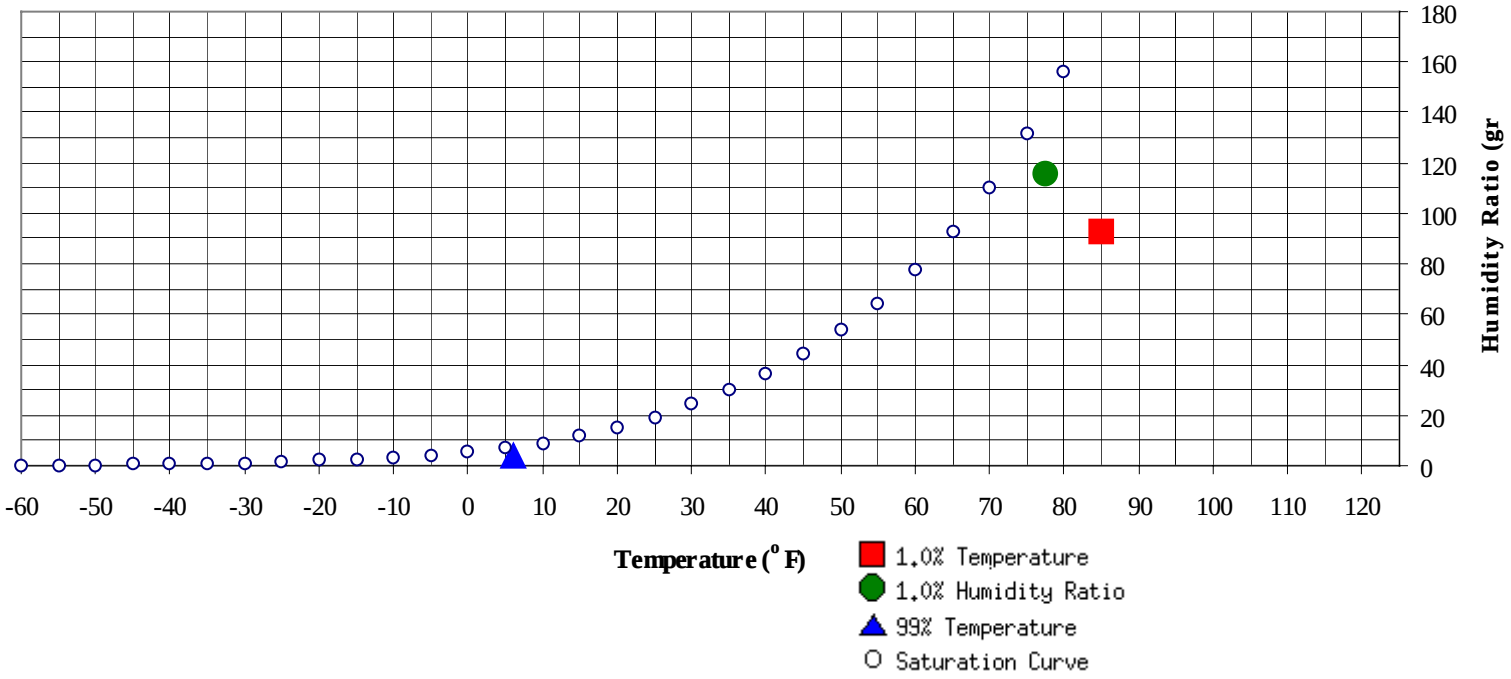
PEASE AFB/PORTSMOUTH NH WMO No. 726055

Long Term Psychrometric Summary



PEASE AFB/PORTSMOUTH NH WMO No. 726055

Psychrometric Summary of Peak Design Values



	(°F)	MCHR (gr/lb)	Enthalpy (btu/lb)
99% Dry Bulb	6	3.8	2.0

	(gr/lb)	MCDB (°F)	MCWB (°F)	MC Dewpt (°F)	Enthalpy (btu/lb)
1.0% Humidity Ratio	115.5	77.6	73	71.1	36.7

	(°F)	MCHR (gr/lb)	MCWB (°F)	Enthalpy (btu/lb)
1.0% Dry Bulb	85	92.4	71	34.9

PEASE AFB/PORTSMOUTH NH WMO No. 726055

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

Period of Record = 1967 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)
95 / 99															
90 / 94															
85 / 89															
80 / 84															
75 / 79												0	0	0	58.4
70 / 74											0	1	0	1	57.1
65 / 69							0		0	51.5	0	2	1	3	55.6
60 / 64		0	0	0	55.5		1	0	1	49.9	0	4	1	5	51.8
55 / 59	1	1	0	2	52.5	0	1	1	2	49.1	1	7	3	11	47.6
50 / 54	1	4	2	7	47.5	0	4	2	6	45.1	2	15	7	24	44.3
45 / 49	2	8	4	13	42.4	3	9	5	18	42.0	7	30	16	53	40.6
40 / 44	7	19	14	40	37.7	9	23	16	48	37.4	22	54	42	118	37.1
35 / 39	24	36	31	91	33.5	20	34	30	85	33.0	52	60	66	178	33.2
30 / 34	34	40	38	112	28.7	30	42	43	116	28.5	64	40	57	161	28.6
25 / 29	32	41	42	115	23.7	34	39	42	115	23.6	42	21	31	94	23.6
20 / 24	38	37	41	116	19.1	38	33	36	107	18.9	29	10	16	54	18.9
15 / 19	35	29	33	98	14.6	33	21	25	79	14.4	17	4	6	26	14.5
10 / 14	33	19	20	73	10.0	28	10	14	51	9.8	8	1	2	11	9.8
5 / 9	20	9	12	41	5.5	15	4	6	26	5.5	3	0	0	4	5.4
0 / 4	13	4	6	23	0.7	8	2	3	13	0.8	1		0	1	1.3
-5 / -1	5	1	2	8	-3.4	3	0	1	4	-3.4					
-10 / -6	3	1	0	4	-7.5	1		0	1	-7.3					
-15 / -11	1		0	1	-11.3	0			0	-10.0					

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.

PEASE AFB/PORTSMOUTH NH WMO No. 726055

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)
95 / 99												0		0	76.0
90 / 94		0	0	0	67.5		1	0	1	70.8		4	1	5	73.7
85 / 89		0	0	0	65.8		4	1	5	67.1		12	3	15	71.2
80 / 84		1	0	2	63.4	0	8	3	11	65.5	1	28	8	36	68.0
75 / 79	0	3	1	4	59.0	0	13	5	18	62.9	3	42	19	65	65.4
70 / 74	0	6	2	8	57.1	3	22	10	35	59.7	16	50	34	100	62.9
65 / 69	1	9	4	14	54.5	9	33	19	61	56.7	41	44	48	134	60.5
60 / 64	3	20	9	32	51.6	19	51	30	100	53.5	57	33	54	144	57.4
55 / 59	8	31	16	55	48.0	37	54	47	138	50.7	67	20	49	136	53.9
50 / 54	16	49	28	92	44.5	60	40	65	165	47.7	41	7	21	69	49.8
45 / 49	36	53	53	142	41.4	73	18	52	143	44.1	11	1	3	15	45.5
40 / 44	67	45	69	181	38.0	36	4	14	55	39.7	2		0	2	41.0
35 / 39	59	17	42	118	33.5	10	0	2	12	34.6	0			0	36.0
30 / 34	37	5	14	56	29.0	1			1	31.1					
25 / 29	10	1	1	12	24.0										
20 / 24	2	1	1	3	19.0										
15 / 19	1	0		1	15.3										
10 / 14															
5 / 9															
0 / 4															
-5 / -1															
-10 / -6															
-15 / -11															

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.

PEASE AFB/PORTSMOUTH NH WMO No. 726055

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

Period of Record = 1967 to 1996

	July					August					September				
	Hour Group (LST)				MCWB	Hour Group (LST)				MCWB	Hour Group (LST)				MCWB
Temperature Range (°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)	01 To 08	09 To 16	17 To 00	Total Obs	(°F)
95 / 99		1	0	1	76.3		0	0	0	77.2					
90 / 94		8	1	9	76.0		5	1	6	74.3		1		1	73.9
85 / 89	0	28	6	34	72.3	0	19	3	22	72.7		4	1	5	73.4
80 / 84	1	51	19	71	70.0	1	49	13	62	70.4		12	2	15	70.5
75 / 79	12	64	38	114	67.5	8	58	32	98	67.9	2	26	9	36	67.2
70 / 74	46	58	63	167	65.7	39	64	60	163	65.5	11	39	20	70	64.2
65 / 69	77	26	69	172	62.9	74	34	70	178	62.8	23	58	37	117	60.6
60 / 64	72	11	43	126	59.1	66	15	50	131	58.8	46	57	60	162	57.2
55 / 59	31	1	9	42	54.8	40	3	16	60	54.3	61	33	59	153	53.5
50 / 54	8		0	8	50.0	15	0	4	19	49.9	47	9	34	90	48.9
45 / 49	1		0	1	46.3	4		1	4	45.4	32	1	15	48	44.3
40 / 44						0			0	41.7	15		3	19	39.9
35 / 39											3		0	4	35.8
30 / 34											0			0	32.0
25 / 29															
20 / 24															
15 / 19															
10 / 14															
5 / 9															
0 / 4															
-5 / -1															
-10 / -6															
-15 / -11															

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.

PEASE AFB/PORTSMOUTH NH WMO No. 726055

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

Period of Record = 1967 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)
95 / 99															
90 / 94															
85 / 89															
80 / 84		1		1	66.4										
75 / 79		4	0	4	64.8		0		0	61.5					
70 / 74	0	12	3	14	61.7		2	0	2	60.5					
65 / 69	2	23	7	33	58.4	0	4	2	7	58.7		1		1	60.3
60 / 64	11	41	21	74	55.8	3	8	4	15	55.6	1	1	0	3	55.5
55 / 59	30	55	44	128	52.1	8	15	9	32	52.1	1	3	2	6	51.4
50 / 54	43	59	56	159	47.3	17	37	24	78	47.4	2	8	5	14	47.4
45 / 49	50	35	55	140	42.7	28	50	37	115	42.7	7	14	9	30	42.8
40 / 44	51	14	38	102	38.3	37	51	47	135	37.8	16	28	22	67	38.1
35 / 39	39	4	18	60	34.0	48	42	53	143	33.0	29	48	39	115	33.2
30 / 34	17	1	6	23	29.6	56	22	41	118	28.7	52	53	59	163	28.8
25 / 29	4		1	4	25.4	27	8	16	51	24.3	45	40	44	128	24.0
20 / 24	0			0	21.2	11	2	5	18	19.7	36	24	30	90	19.3
15 / 19						4	0	1	5	15.7	25	17	22	65	14.8
10 / 14						1	0	0	1	11.3	18	7	11	36	10.3
5 / 9						0			0	7.5	10	2	4	16	5.5
0 / 4											5	1	1	7	1.0
-5 / -1											1	0	0	1	-3.6
-10 / -6											0	0	0	1	-7.5
-15 / -11															

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.

PEASE AFB/PORTSMOUTH NH WMO No. 726055

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

Period of Record = 1967 to 1996

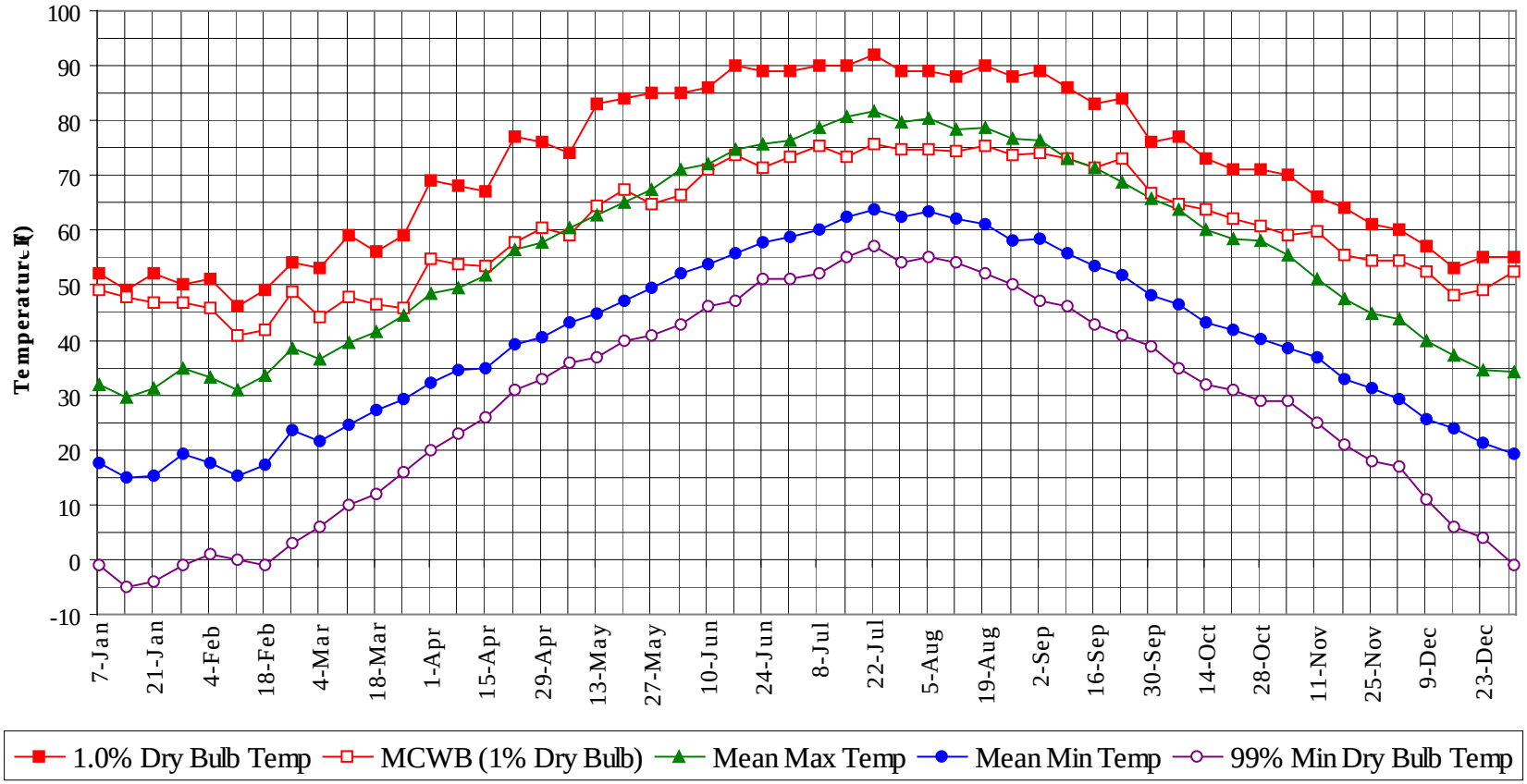
Annual Totals

Temperature Range (°F)	Hour Group (LST) 01 To 08	09 To 16	17 To 00	Total Obs	MCWB (°F)
95 / 99		1	0	2	76.5
90 / 94		19	2	21	74.6
85 / 89	0	67	14	81	71.9
80 / 84	3	151	44	198	69.5
75 / 79	26	210	104	340	66.8
70 / 74	115	253	191	559	64.3
65 / 69	227	235	256	718	61.1
60 / 64	280	240	273	792	56.9
55 / 59	286	224	255	765	52.4
50 / 54	252	230	249	731	47.5
45 / 49	254	220	249	723	42.7
40 / 44	262	238	265	765	38.0
35 / 39	285	240	281	806	33.3
30 / 34	291	201	259	751	28.7
25 / 29	195	149	177	521	23.8
20 / 24	154	106	129	389	19.1
15 / 19	115	71	88	275	14.6
10 / 14	88	38	48	173	10.0
5 / 9	48	15	23	87	5.5
0 / 4	26	7	10	43	0.8
-5 / -1	9	2	3	13	-3.4
-10 / -6	5	1	1	6	-7.5
-15 / -11	1		0	1	-11.3

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.

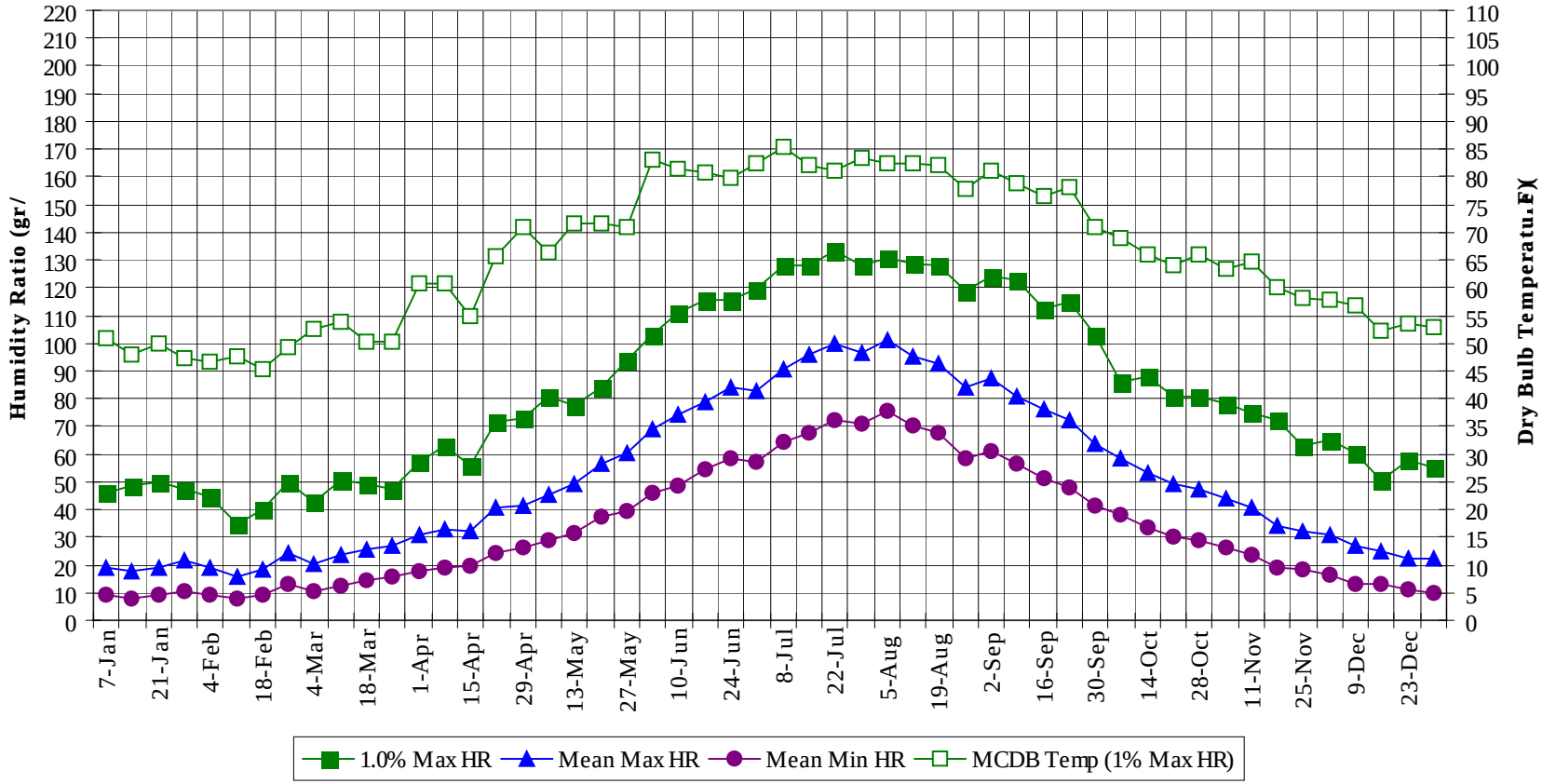
PEASE AFB/PORTSMOUTH NH WMO No. 726055

Annual Summary of Temperatures



PEASE AFB/PORTSMOUTH NH WMO No. 726055

Long Term Humidity and Dry Bulb Temperature Summary



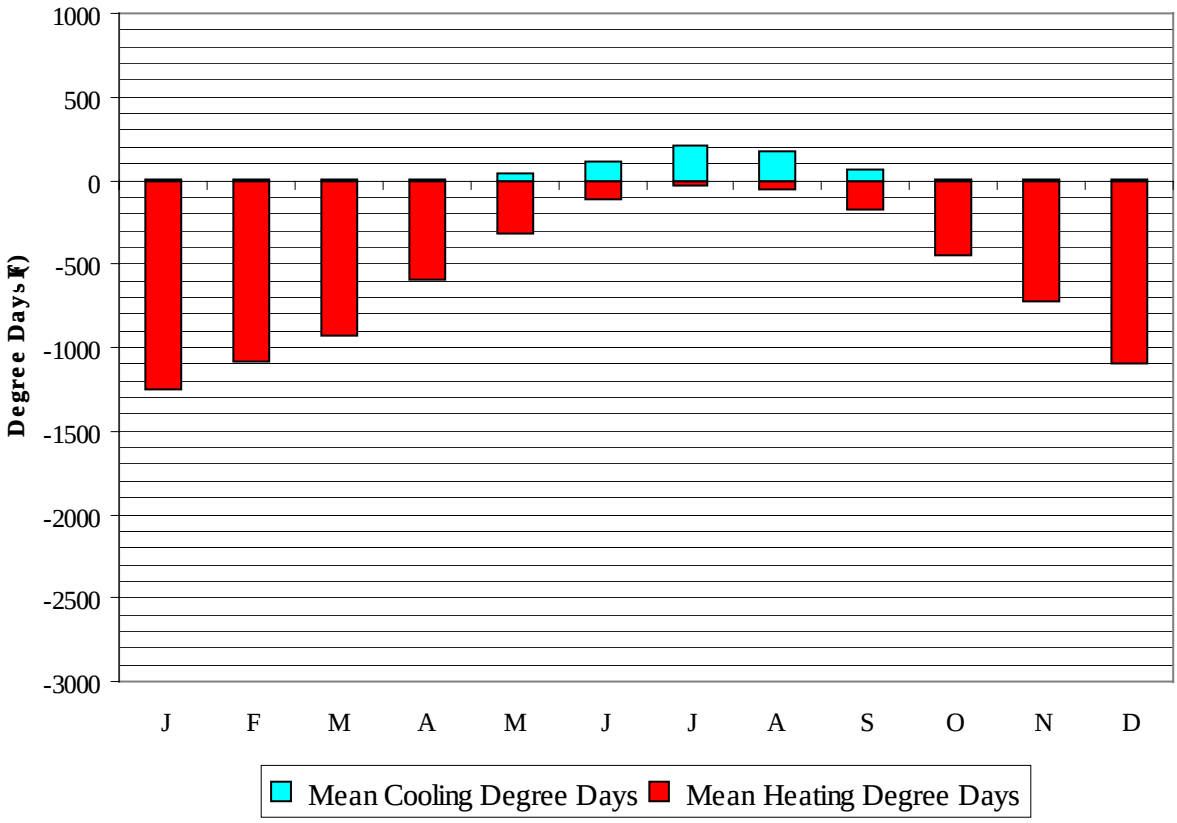
PEASE AFB/PORTSMOUTH NH WMO No. 726055

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	52.0	49.1	31.9	17.7	-1.0	46.2	50.8	18.9	9.2
14-Jan	49.0	47.7	29.4	14.8	-5.0	48.3	48.0	17.7	8.0
21-Jan	52.0	46.8	31.3	15.2	-4.0	49.7	50.0	18.8	9.0
28-Jan	50.0	46.8	34.9	19.2	-1.0	47.6	47.4	21.8	10.3
4-Feb	51.0	45.8	33.1	17.7	1.0	44.8	46.6	19.4	9.1
11-Feb	46.0	40.7	30.8	15.4	0.0	35.0	47.7	15.7	7.7
18-Feb	49.0	41.8	33.6	17.3	-1.0	39.9	45.5	18.5	8.9
25-Feb	54.0	48.7	38.5	23.6	3.0	49.7	49.3	24.6	13.0
4-Mar	53.0	44.3	36.5	21.7	6.0	42.7	52.4	20.2	10.7
11-Mar	59.0	47.7	39.6	24.6	10.0	50.4	54.0	24.0	12.5
18-Mar	56.0	46.6	41.5	27.2	12.0	49.0	50.2	25.9	14.6
25-Mar	59.0	45.9	44.4	29.3	16.0	47.6	50.2	27.2	15.5
1-Apr	69.0	54.7	48.4	32.2	20.0	57.4	60.7	30.8	17.5
8-Apr	68.0	53.7	49.6	34.4	23.0	63.0	60.7	32.9	18.9
15-Apr	67.0	53.5	51.7	34.9	26.0	56.0	55.0	32.5	19.5
22-Apr	77.0	57.9	56.6	39.1	31.0	71.4	65.8	40.4	24.5
29-Apr	76.0	60.4	57.9	40.5	33.0	72.8	71.0	41.3	26.3
6-May	74.0	59.3	60.4	43.2	36.0	80.5	66.2	45.3	28.7
13-May	83.0	64.3	62.7	44.9	37.0	77.7	71.7	49.1	31.4
20-May	84.0	67.5	65.0	47.2	40.0	84.0	71.5	56.3	37.4
27-May	85.0	64.9	67.4	49.5	41.0	93.8	71.1	60.1	39.6
3-Jun	85.0	66.3	71.2	52.0	43.0	102.9	83.0	68.8	46.0
10-Jun	86.0	71.2	72.0	53.7	46.0	111.3	81.5	74.1	48.4
17-Jun	90.0	73.7	74.7	55.9	47.0	115.5	80.7	78.7	54.5
24-Jun	89.0	71.5	75.9	57.9	51.0	115.5	79.9	83.9	58.2
1-Jul	89.0	73.4	76.3	58.7	51.0	119.7	82.3	82.8	57.4
8-Jul	90.0	75.6	78.7	60.2	52.0	128.1	85.3	90.6	64.2
15-Jul	90.0	73.6	80.6	62.3	55.0	128.1	82.1	96.0	67.5
22-Jul	92.0	75.9	81.7	63.8	57.0	133.0	81.3	99.9	72.2
29-Jul	89.0	74.7	79.6	62.4	54.0	128.1	83.4	96.3	70.9
5-Aug	89.0	74.8	80.3	63.4	55.0	130.9	82.5	101.2	75.2
12-Aug	88.0	74.3	78.4	62.2	54.0	128.8	82.3	95.2	70.6
19-Aug	90.0	75.4	78.8	61.2	52.0	128.1	82.0	92.3	67.4
26-Aug	88.0	73.7	76.9	58.0	50.0	119.0	77.8	83.9	58.6
2-Sep	89.0	74.2	76.4	58.6	47.0	123.9	81.0	87.2	60.8
9-Sep	86.0	73.1	73.1	55.9	46.0	122.5	79.0	80.7	56.4
16-Sep	83.0	71.4	71.5	53.6	43.0	112.0	76.6	76.0	51.5
23-Sep	84.0	72.9	68.7	51.7	41.0	114.8	78.3	72.4	48.2
30-Sep	76.0	66.9	65.9	48.2	39.0	102.9	70.8	63.6	41.5
7-Oct	77.0	64.8	63.7	46.4	35.0	86.1	68.9	58.5	37.9
14-Oct	73.0	63.6	60.3	43.1	32.0	88.2	66.1	52.9	33.7
21-Oct	71.0	62.1	58.6	41.9	31.0	80.5	63.9	49.5	30.0
28-Oct	71.0	60.7	58.1	40.3	29.0	80.5	66.1	47.5	28.6
4-Nov	70.0	59.1	55.3	38.6	29.0	78.4	63.3	43.7	26.0
11-Nov	66.0	59.8	51.1	36.9	25.0	74.9	64.7	40.5	23.9
18-Nov	64.0	55.4	47.4	32.7	21.0	72.1	60.3	34.4	18.9
25-Nov	61.0	54.6	45.0	31.1	18.0	63.0	58.2	31.9	18.2
2-Dec	60.0	54.4	43.7	29.1	17.0	65.1	57.9	30.9	16.1
9-Dec	57.0	52.6	39.7	25.5	11.0	60.2	56.7	26.6	13.4
16-Dec	53.0	48.0	37.1	23.8	6.0	50.4	52.2	24.9	13.2
23-Dec	55.0	49.3	34.6	21.2	4.0	58.1	53.4	22.1	11.3
31-Dec	55.0	52.5	34.3	19.2	-1.0	55.3	52.9	22.1	10.1

PEASE AFB/PORTSMOUTH NH WMO No. 726055

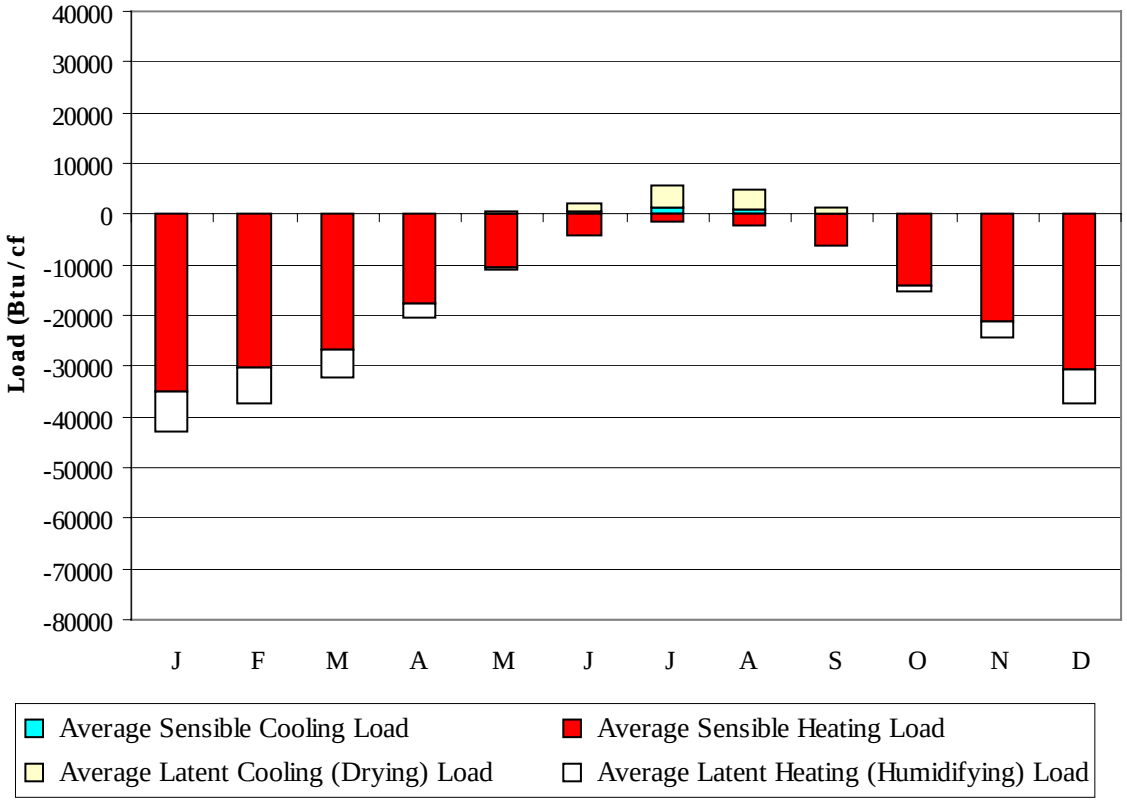
Degree Days, Heating and Cooling
(Base 65°F)



	Mean Cooling Degree Days (°F)	Mean Heating Degree Days (°F)
JAN	0	1256
FEB	0	1088
MAR	1	934
APR	7	593
MAY	36	321
JUN	114	112
JUL	210	32
AUG	179	48
SEP	61	177
OCT	9	450
NOV	1	724
DEC	0	1095
ANN	617	6830

PEASE AFB/PORTSMOUTH NH WMO No. 726055

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	0	-34955	0	-8078
FEB	0	-30409	0	-7151
MAR	1	-26598	0	-5527
APR	26	-17647	3	-2685
MAY	188	-10413	153	-534
JUN	654	-4272	1435	-14
JUL	1358	-1623	4429	0
AUG	1025	-2157	3990	0
SEP	242	-6298	1237	-83
OCT	15	-13967	59	-1206
NOV	0	-21086	9	-3385
DEC	0	-30782	0	-6560
ANN	3509	-200207	11315	-35223

Average Annual Solar Radiation – Nearest Available Site

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

City: CONCORD
State: NH
WBAN No: 14745
Lat(N): 43.2
Long(W): 71.5
Elev(ft): 345

Stn Type: Secondary
SHADING GEOMETRY IN DIMENSIONLESS UNITS
Window: 1
Overhang: 0.626
Vert Gap: 0.33

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	600	890	1230	1490	1780	1920	1920	1680	1320	920	570	480	1240
	Std Dev	47	75	98	119	154	143	106	77	91	62	40	36	39
	Minimum	510	720	1000	1260	1480	1610	1740	1550	1170	810	450	400	1170
	Maximum	690	1080	1430	1680	2080	2170	2100	1870	1490	1140	630	550	1290
	Diffuse	310	450	600	690	800	850	820	720	570	420	310	260	570
Clear Day	Global	770	1140	1650	2160	2520	2650	2560	2240	1760	1230	820	660	1680
NORTH	Global	190	270	360	430	550	620	580	470	360	270	190	160	370
	Diffuse	190	270	360	420	500	530	510	450	360	270	190	160	350
Clear Day	Global	170	240	320	410	580	690	630	470	340	250	170	150	370
EAST	Global	430	600	780	910	1030	1090	1080	980	790	590	380	340	750
	Diffuse	240	340	450	510	590	630	620	550	440	330	230	200	430
Clear Day	Global	610	850	1130	1350	1490	1530	1490	1380	1160	880	630	540	1090
SOUTH	Global	1060	1210	1170	1000	890	840	890	1000	1110	1110	880	880	1000
	Diffuse	370	470	530	540	570	580	590	560	510	420	330	310	480
Clear Day	Global	1800	1960	1880	1520	1200	1040	1090	1350	1690	1860	1780	1700	1570
WEST	Global	420	600	770	890	1000	1090	1080	1000	820	610	380	330	750
	Diffuse	240	340	450	520	600	640	630	560	460	330	230	200	430
Clear Day	Global	610	850	1130	1350	1490	1530	1490	1380	1160	880	630	540	1090

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

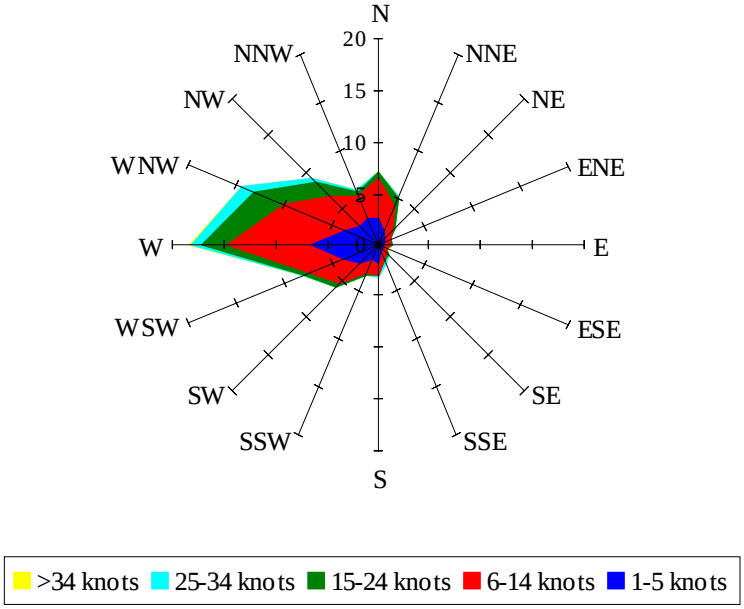
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
HORIZ	Unshaded	380	600	860	1070	1280	1390	1390	1210	940	630	370	300	870
NORTH	Unshaded	130	190	250	290	360	410	380	320	250	190	130	110	250
	Shaded	110	160	210	250	310	350	330	280	220	160	110	93	220
EAST	Unshaded	290	420	550	650	730	770	770	700	560	420	270	230	530
	Shaded	260	360	470	540	600	630	630	580	460	360	230	200	440
SOUTH	Unshaded	800	890	820	660	570	520	550	650	760	810	660	670	700
	Shaded	780	820	630	400	340	350	350	370	520	700	630	650	540
WEST	Unshaded	290	420	550	630	710	770	770	710	590	430	270	230	530
	Shaded	250	360	460	520	580	630	630	590	500	370	230	200	440

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	42	71	77	57	19	54	86	98	91	63
	M.Cloudy	27	47	49	37	13	34	55	70	64	41
NORTH	M.Clear	10	14	15	12	7	13	16	16	16	14
	M.Cloudy	11	16	17	14	6	13	17	19	18	14
EAST	M.Clear	73	50	15	12	7	82	67	23	16	14
	M.Cloudy	31	30	17	14	6	37	39	23	18	14
SOUTH	M.Clear	47	80	86	63	21	12	39	52	45	20
	M.Cloudy	22	40	43	31	9	13	27	39	34	16
WEST	M.Clear	10	14	30	69	55	12	16	16	57	80
	M.Cloudy	11	16	23	33	19	13	17	19	40	42
M.Clear	(% hrs)	33	32	32	32	34	37	36	25	24	30
		Sept					Dec				
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	32	67	80	70	39	14	36	39	19	0
	M.Cloudy	19	40	54	47	24	9	23	23	12	0
NORTH	M.Clear	9	14	15	14	10	5	9	10	6	0
	M.Cloudy	8	14	17	16	9	4	9	10	6	0
EAST	M.Clear	68	64	20	14	10	35	31	10	6	0
	M.Cloudy	23	31	19	16	9	11	16	10	6	0
SOUTH	M.Clear	27	63	78	67	34	36	78	82	47	0
	M.Cloudy	13	31	46	39	17	12	30	29	16	0
WEST	M.Clear	9	14	15	57	71	5	9	25	40	0
	M.Cloudy	8	14	17	34	30	4	9	14	14	0
M.Clear	(% hrs)	34	43	37	34	38	34	31	30	31	35

Wind Summary - December, January, and February

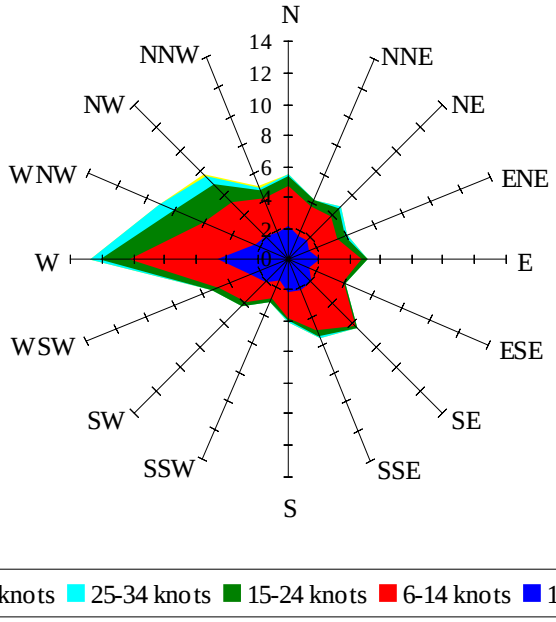
Labels of Percent Frequency on North Axis



Percent Calm = 11.51

Wind Summary - March, April, and May

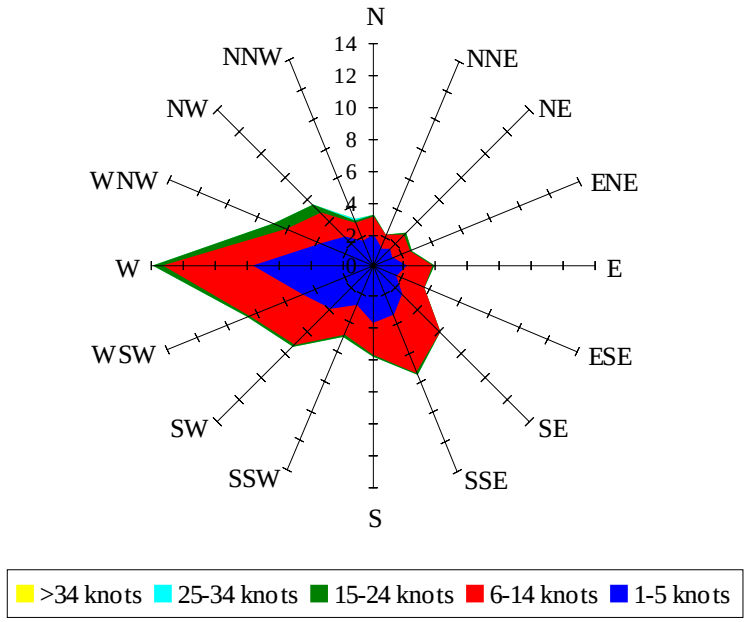
Labels of Percent Frequency on North Axis



Percent Calm = 10.91

Wind Summary - June, July, and August

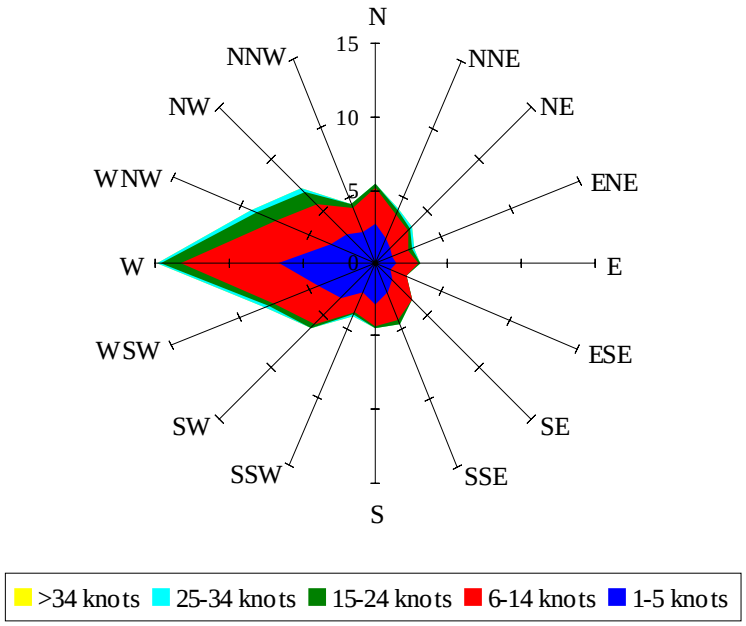
Labels of Percent Frequency on North Axis



Percent Calm = 13.54

Wind Summary - September, October, and November

Labels of Percent Frequency on North Axis



Percent Calm = 13.98