

MONTREAL/DORVAL CN

Latitude = 45.47 N

WMO No. 716270

Longitude = 73.75 W

Elevation = 118 feet

Period of Record = 1973 to 1996

Average Pressure = 29.83 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	90	76	113	11.0	SW
0.4% Occurrence	85	72	95	10.1	SW
1.0% Occurrence	82	69	88	9.9	SW
2.0% Occurrence	81	69	88	9.8	SW
Mean Daily Range	16	-	-	-	-
97.5% Occurrence	-2	-3	3	8.9	W
99.0% Occurrence	-8	-9	2	8.3	W
99.6% Occurrence	-11	-12	2	8.0	W
Median of Extreme Lows	-18	-18	1	10.3	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	76	85	119	10.1	SW
0.4% Occurrence	74	82	112	9.3	SW
1.0% Occurrence	72	80	105	8.8	SW
2.0% Occurrence	70	77	98	8.3	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	126	83	0.83	9.3	SW
0.4% Occurrence	117	80	0.78	8.6	SW
1.0% Occurrence	110	78	0.74	7.6	SW
2.0% Occurrence	103	76	0.69	7.1	SW
Air Conditioning/ Humid Area Criteria	# of Hours	T ≥ 93°F	T ≥ 80°F	T _{wb} ≥ 73°F	T _{wb} ≥ 67°F
		0	188	71	551

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
5	N/A	N/A	0.7 + 0.2
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 (#)
46.1	N/A	N/A	49

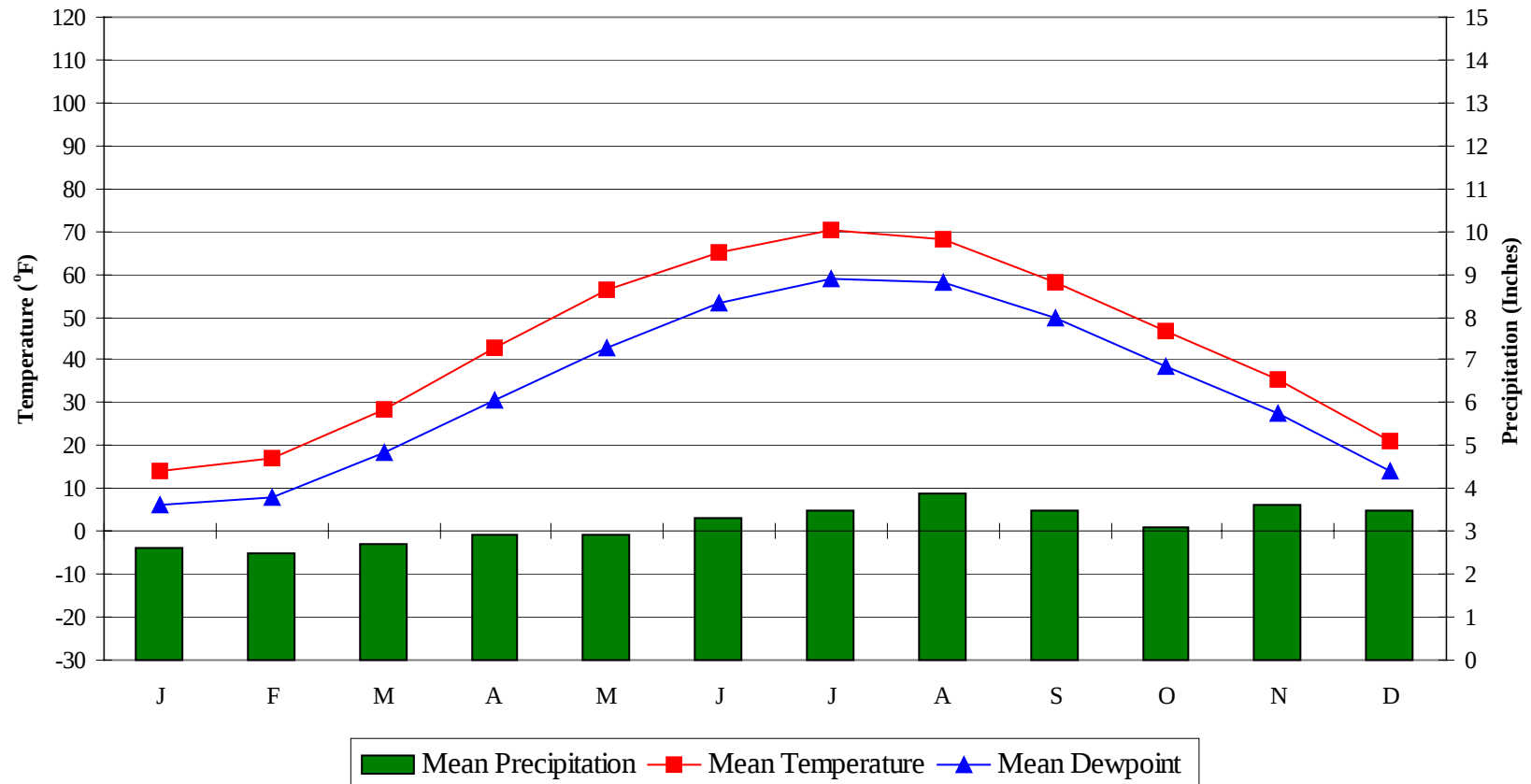
*Note: Temperatures at greater depths can be estimated by adding 1.5°F per 100 feet additional depth.

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Average Annual Climate

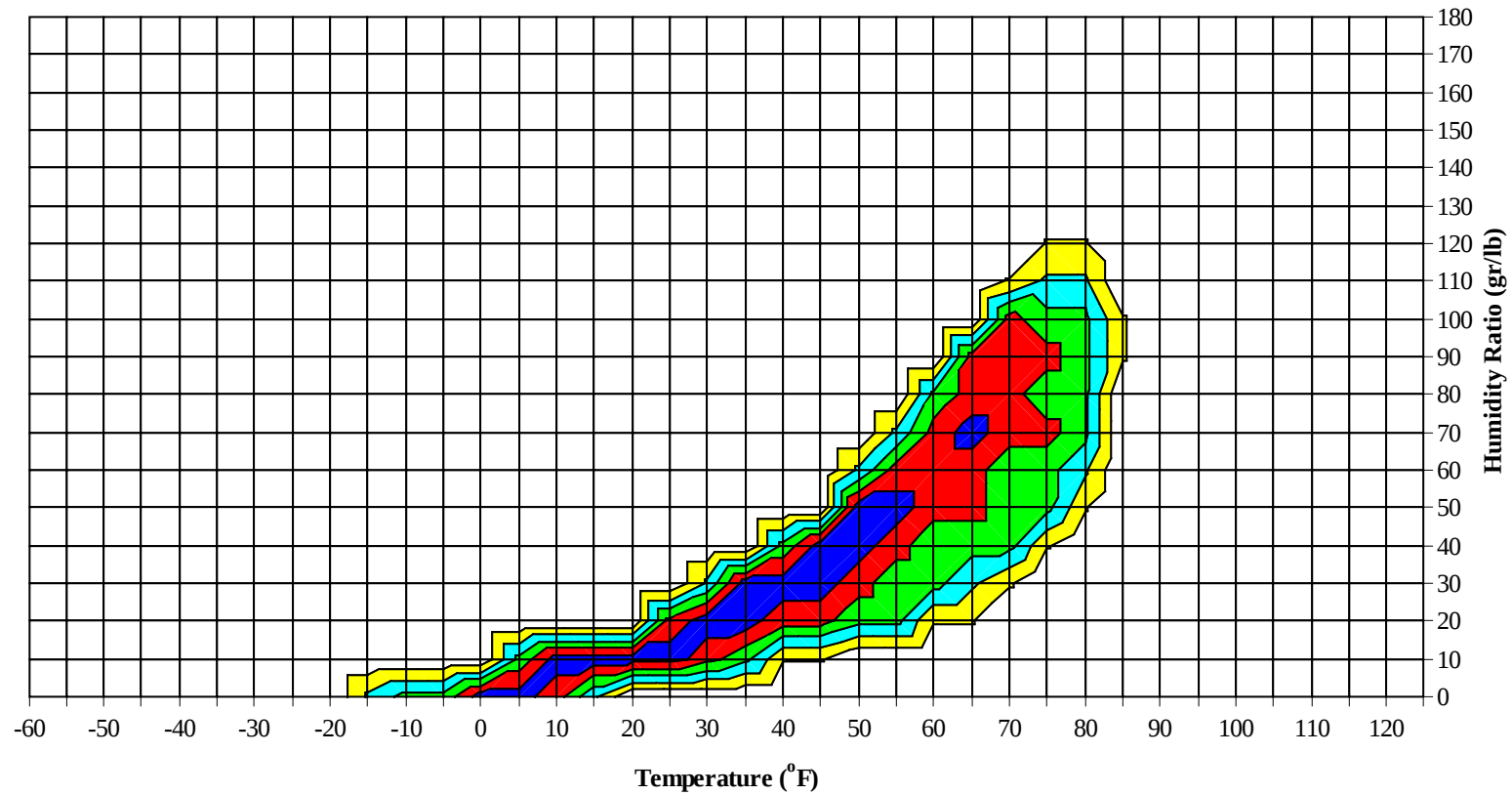


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Long Term Psychrometric Summary



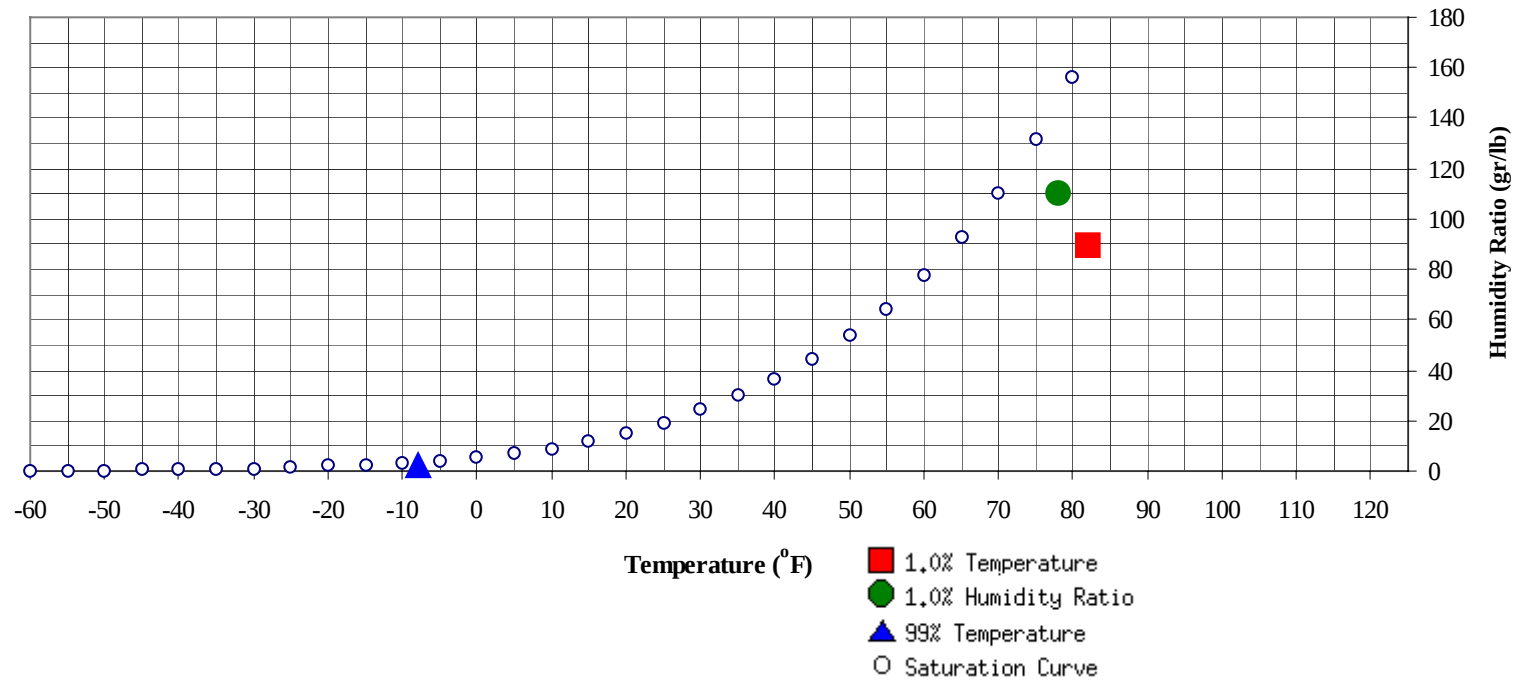
- 50% of all observations
- 80% of all observations
- 95% of all observations
- 97.5% of all observations
- 99% of all observations

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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)
	-8	2.1	-1.6		109.9	77.9	72.3	69.8	35.9

1.0% Dry Bulb	(°F)	MCHR (gr/lb)	MCWB (°F)	Enthalpy (btu/lb)
	82	89.3	69.6	33.7

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

Period of Record = 1973 to 1996

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		
95 / 99															
90 / 94															
85 / 89															
80 / 84															
75 / 79															
70 / 74												0		0	60.0
65 / 69												0	0	0	56.8
60 / 64												1	0	1	52.5
55 / 59							0	0	0	50.3		0	4	2	6 49.5
50 / 54	0	0	0	0	48.9	0	0	0	0	46.0	2	8	4	14	45.2
45 / 49	1	1	1	3	44.2	1	3	2	6	42.6	5	19	14	38	40.9
40 / 44	2	3	2	7	39.2	4	5	4	13	38.5	9	23	20	52	37.6
35 / 39	14	18	18	50	34.5	11	19	18	48	34.4	37	46	47	130	33.6
30 / 34	22	25	22	69	30.1	20	23	24	67	30.1	50	45	51	146	29.3
25 / 29	24	25	26	75	24.7	18	29	25	72	24.2	39	32	36	107	23.8
20 / 24	20	22	21	63	20.1	19	26	22	67	19.9	25	23	24	72	19.5
15 / 19	27	30	30	87	15.8	34	34	35	103	15.8	30	21	23	74	15.4
10 / 14	27	33	35	95	10.5	31	29	34	94	10.4	22	13	16	51	10.2
5 / 9	35	33	32	100	5.6	29	25	28	82	5.3	15	8	6	29	5.3
0 / 4	29	23	27	79	0.4	26	18	18	62	0.3	9	3	3	15	0.5
-5 / -1	15	14	16	45	-3.9	12	7	8	27	-3.9	3	0	1	4	-4.1
-10 / -6	18	11	13	42	-8.2	13	4	4	21	-8.0	2	0	0	2	-8.3
-15 / -11	8	3	3	14	-12.7	3	1	1	5	-12.6	1	0		1	-12.6
-20 / -16	5	3	2	10	-16.7	3	1	0	4	-16.8	0			0	-16.3
-25 / -21	2	1	0	3	-21.9	0		0	0	-20.7					
-30 / -26	0	0	0	0	-27.2										
-35 / -31	0			0	-31.0										

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.

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

Period of Record = 1973 to 1996

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		
95 / 99															
90 / 94							0		0	73.0		1	0	1	74.9
85 / 89							2	0	2	69.2		4	1	5	71.9
80 / 84		1	0	1	64.6		6	2	8	67.0	0	21	8	29	68.7
75 / 79		2	1	3	61.8		15	8	23	63.1	3	43	26	73	65.5
70 / 74	0	5	2	7	58.3	3	29	18	50	59.9	17	61	45	123	62.5
65 / 69	0	6	4	10	55.5	7	29	23	59	56.9	35	42	44	121	60.5
60 / 64	2	15	9	26	52.2	25	50	44	120	54.2	66	40	59	166	57.3
55 / 59	6	26	19	51	48.5	43	48	52	144	50.4	64	19	34	118	53.0
50 / 54	17	38	33	88	44.9	62	40	52	154	47.0	36	7	16	59	48.6
45 / 49	32	47	42	121	41.3	59	20	32	111	42.5	15	1	5	21	43.9
40 / 44	39	36	39	114	37.6	29	5	10	44	38.4	3		0	3	39.4
35 / 39	60	34	49	143	33.7	17	2	4	23	34.6	1		0	1	34.1
30 / 34	47	19	29	95	29.0	3	0	1	4	29.5					
25 / 29	24	7	10	41	24.0	1		0	1	24.4					
20 / 24	7	2	2	11	19.5										
15 / 19	4	1	1	6	15.5										
10 / 14	2	0	0	2	9.9										
5 / 9	0			0	5.8										
0 / 4															
-5 / -1															
-10 / -6															
-15 / -11															
-20 / -16															
-25 / -21															
-30 / -26															
-35 / -31															

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

Period of Record = 1973 to 1996

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		
95 / 99						0			0	80.0					
90 / 94		3	1	4	76.0	2	0		2	77.1		0		0	74.0
85 / 89		10	3	13	73.0	0	7	1	8	73.8		1	0	1	74.0
80 / 84	1	45	21	67	69.7	0	32	11	43	70.4		6	1	7	70.5
75 / 79	11	76	48	135	67.0	6	65	36	106	67.6	1	15	6	22	67.2
70 / 74	50	70	77	196	64.6	37	69	67	172	64.9	6	32	19	57	64.2
65 / 69	66	28	46	141	62.2	55	39	52	146	62.3	13	34	23	70	61.0
60 / 64	72	14	37	124	58.7	72	26	51	149	58.5	35	60	51	146	57.2
55 / 59	35	2	12	49	54.1	49	7	22	78	54.1	55	53	62	169	53.0
50 / 54	11	0	2	13	49.4	23	1	7	31	49.6	59	28	45	132	48.6
45 / 49	2		0	2	45.2	6	0	1	7	44.9	42	9	25	76	44.0
40 / 44						1		0	1	40.3	18	1	6	25	39.8
35 / 39						0		0	0	38.0	9	0	3	12	35.7
30 / 34											2		0	2	30.9
25 / 29											0			0	28.0
20 / 24															
15 / 19															
10 / 14															
5 / 9															
0 / 4															
-5 / -1															
-10 / -6															
-15 / -11															
-20 / -16															
-25 / -21															
-30 / -26															
-35 / -31															

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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)			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		
95 / 99															
90 / 94															
85 / 89															
80 / 84															
75 / 79		1	0	1	65.7										
70 / 74	0	5	2	7	62.9										
65 / 69	1	8	2	11	59.3		0	0	0	59.1					
60 / 64	6	23	13	42	56.3	1	3	2	6	56.9					
55 / 59	19	39	30	87	52.2	3	8	6	17	52.9	0	0	0	0	53.8
50 / 54	37	56	49	142	47.7	8	16	12	36	48.1	1	1	1	3	49.2
45 / 49	50	56	58	163	42.8	19	29	24	72	42.8	2	3	2	7	43.5
40 / 44	41	35	38	113	38.5	24	34	30	88	38.7	4	7	5	16	39.1
35 / 39	49	22	42	113	34.6	51	54	51	156	34.4	20	28	26	74	34.5
30 / 34	32	3	13	48	30.2	53	47	52	152	29.7	41	45	43	128	30.3
25 / 29	12	0	3	15	25.4	39	29	36	105	24.3	38	42	42	121	24.6
20 / 24	1		0	1	21.0	18	10	13	41	20.2	26	24	27	77	20.3
15 / 19	0			0	18.0	15	6	11	32	16.2	31	30	30	91	16.0
10 / 14						6	2	3	11	11.1	29	22	25	76	10.9
5 / 9						2	1	1	4	6.1	20	19	18	57	5.7
0 / 4						0		0	0	2.5	17	15	15	47	0.4
-5 / -1											7	5	7	19	-3.9
-10 / -6											9	4	6	19	-8.2
-15 / -11											4	1	1	6	-12.5
-20 / -16											1	1	1	3	-16.5
-25 / -21											0	0		0	-22.3
-30 / -26											0			0	-26.0
-35 / -31															

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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)			Total Obs	M C W B (°F)
	01 To 08	09 To 16	17 To 00		
95 / 99		0		0	80.0
90 / 94		5	1	6	76.1
85 / 89	0	23	6	29	72.8
80 / 84	1	110	43	154	69.6
75 / 79	20	217	124	360	66.6
70 / 74	113	268	227	609	63.8
65 / 69	176	187	195	558	60.9
60 / 64	279	233	264	776	57.0
55 / 59	273	207	238	718	52.2
50 / 54	256	195	219	671	47.5
45 / 49	233	190	206	629	42.6
40 / 44	173	148	156	477	38.3
35 / 39	269	226	258	753	34.2
30 / 34	270	209	235	714	29.8
25 / 29	195	165	179	539	24.3
20 / 24	115	108	111	334	20.0
15 / 19	140	124	130	394	15.8
10 / 14	116	102	115	333	10.5
5 / 9	102	87	85	274	5.5
0 / 4	82	59	64	205	0.4
-5 / -1	37	26	32	95	-3.9
-10 / -6	42	20	24	86	-8.1
-15 / -11	16	6	5	27	-12.6
-20 / -16	10	4	4	18	-16.7
-25 / -21	2	1	0	3	-21.9
-30 / -26	1	0	0	1	-27.1
-35 / -31	0			0	-31.0

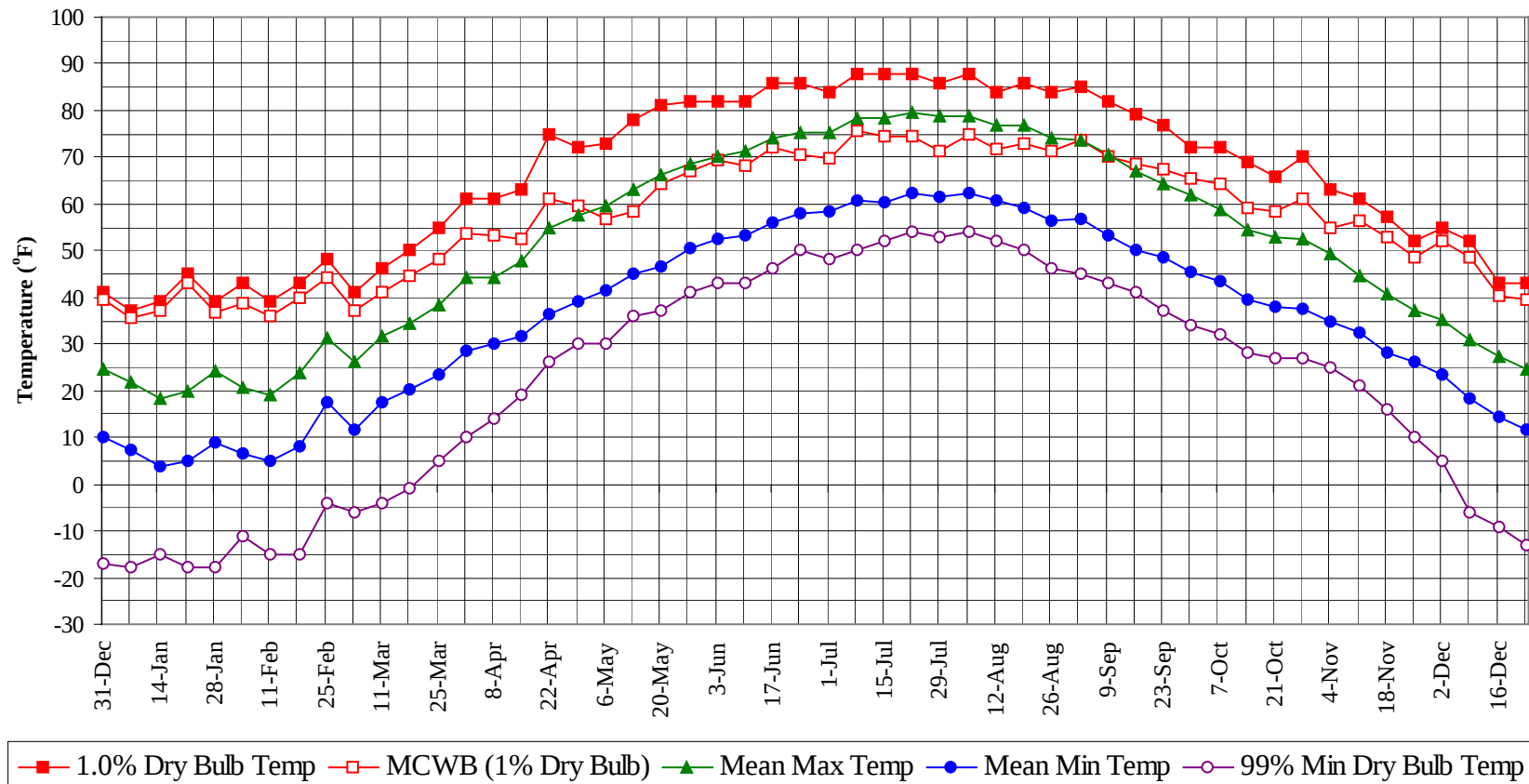
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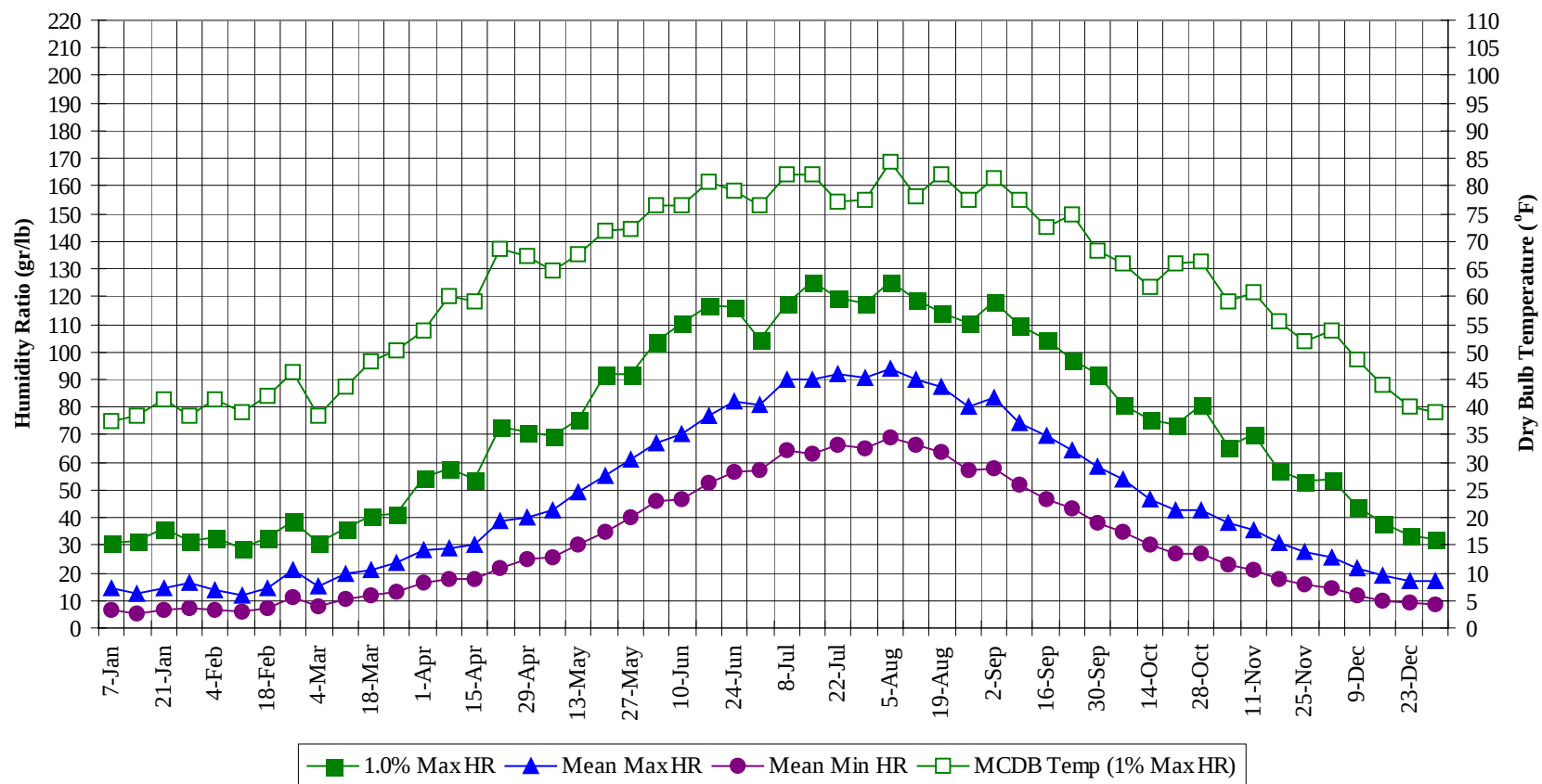
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Annual Summary of Temperatures

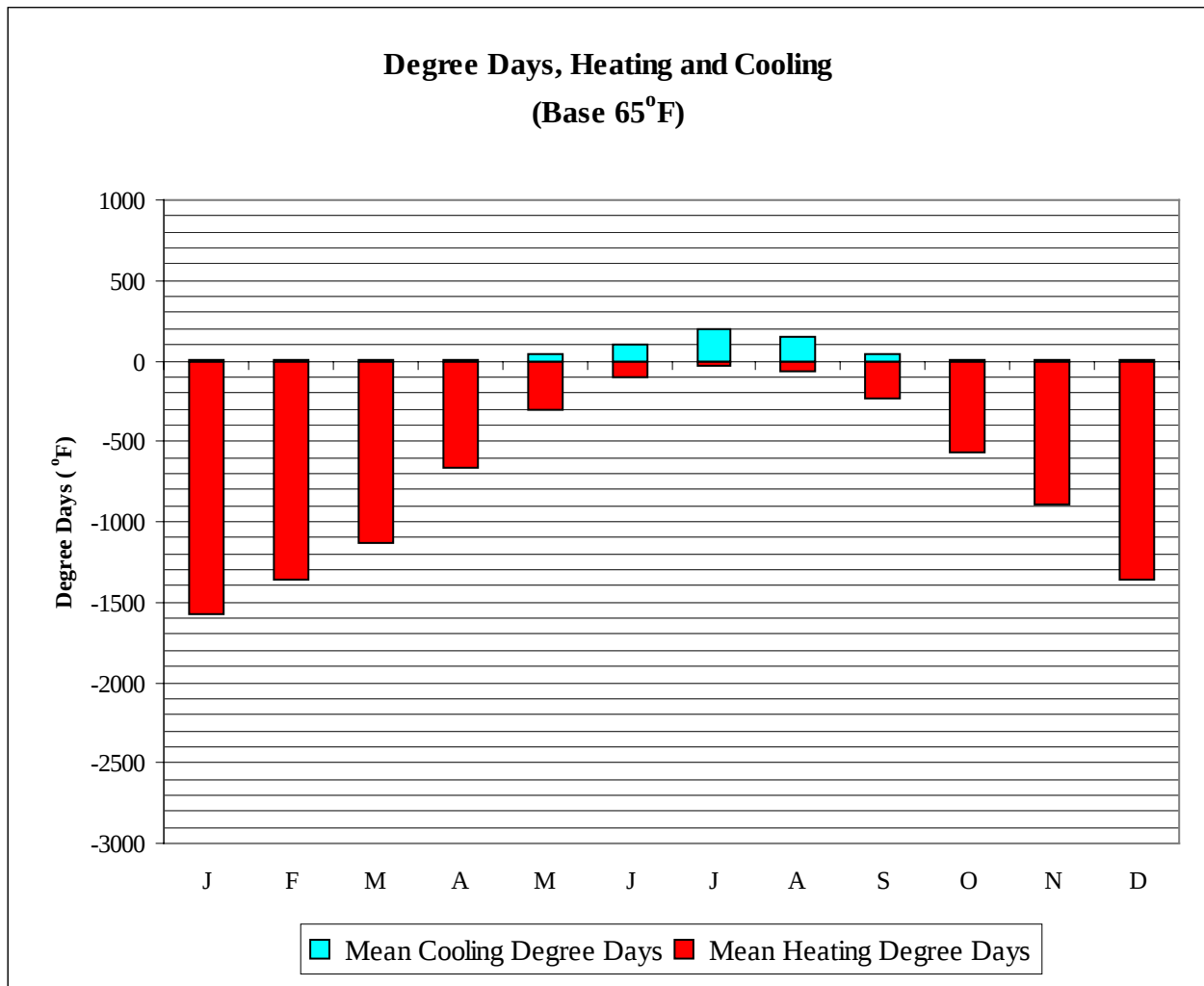


Long Term Humidity and Dry Bulb Temperature Summary

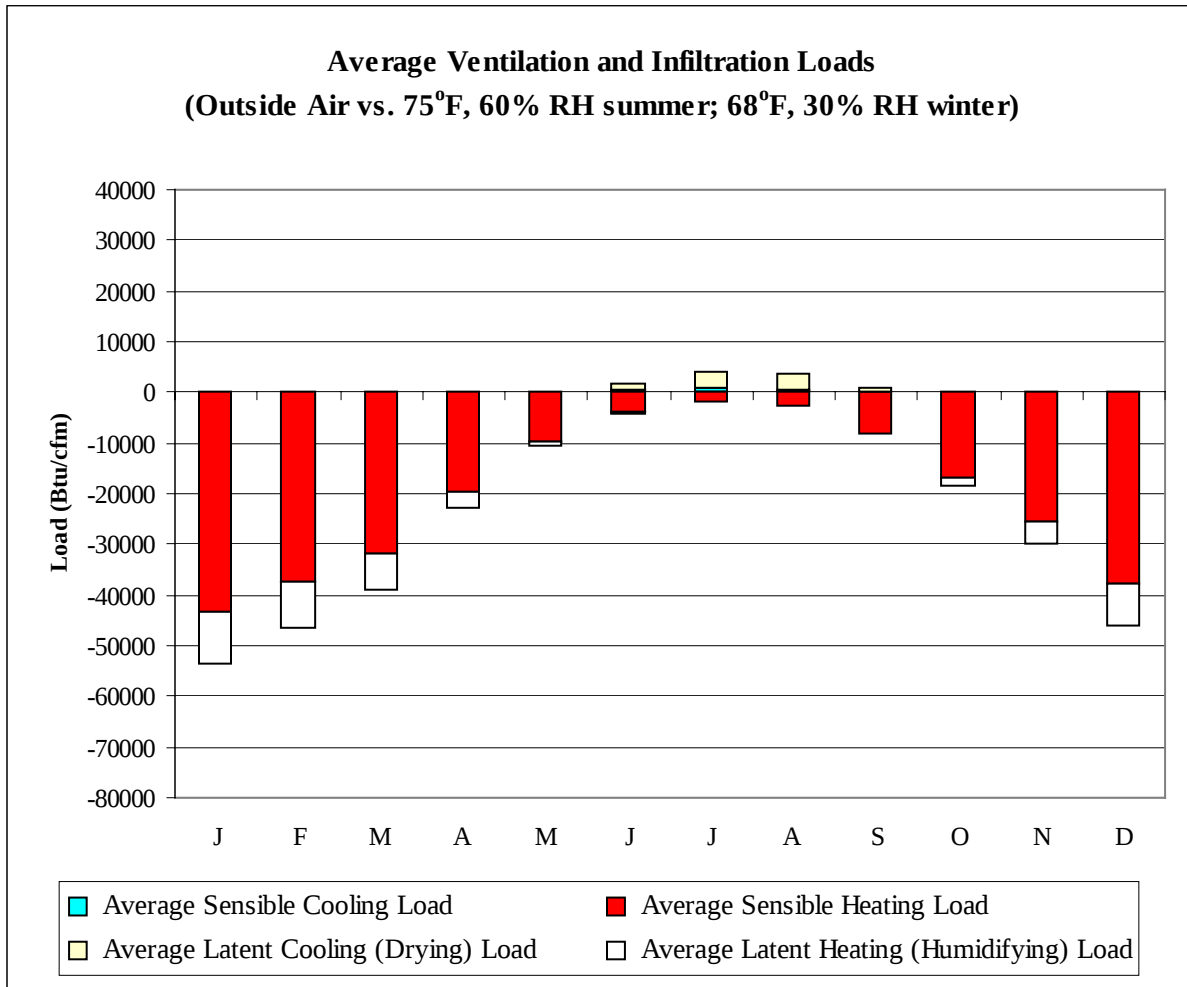


MONTREAL/DORVAL**CN****WMO No. 716270****Long Term Dry Bulb Temperature and Humidity Summary**

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	37.0	35.6	21.8	7.4	-18.0	30.8	37.3	14.6	6.7
14-Jan	39.0	37.0	18.2	3.7	-15.0	31.5	38.3	12.5	5.5
21-Jan	45.0	42.9	19.9	5.2	-18.0	36.4	41.3	14.4	6.9
28-Jan	39.0	36.8	24.2	8.8	-18.0	31.5	38.4	16.3	7.5
4-Feb	43.0	38.9	20.8	6.5	-11.0	32.9	41.4	13.6	6.4
11-Feb	39.0	36.0	19.2	4.9	-15.0	28.7	39.1	11.9	5.7
18-Feb	43.0	39.8	23.7	8.3	-15.0	32.9	42.0	14.5	7.1
25-Feb	48.0	44.1	31.3	17.6	-4.0	38.5	46.2	21.0	11.1
4-Mar	41.0	37.3	26.0	11.6	-6.0	30.8	38.3	15.4	8.1
11-Mar	46.0	40.9	31.8	17.4	-4.0	36.4	43.5	19.8	10.3
18-Mar	50.0	44.6	34.5	20.3	-1.0	40.6	48.4	21.2	11.8
25-Mar	55.0	48.1	38.3	23.4	5.0	41.3	50.4	23.5	13.2
1-Apr	61.0	53.8	44.1	28.4	10.0	54.6	53.8	28.4	16.2
8-Apr	61.0	53.1	44.1	30.1	14.0	58.1	60.1	29.2	17.5
15-Apr	63.0	52.4	47.7	31.6	19.0	53.9	59.1	30.5	17.8
22-Apr	75.0	61.3	54.8	36.4	26.0	72.8	68.7	38.5	21.9
29-Apr	72.0	59.6	57.5	39.3	30.0	70.7	67.2	40.2	24.8
6-May	73.0	56.9	59.4	41.5	30.0	69.3	64.8	42.5	25.9
13-May	78.0	58.5	63.1	44.9	36.0	75.6	67.5	49.1	30.1
20-May	81.0	64.4	66.3	46.8	37.0	91.7	71.8	54.9	34.7
27-May	82.0	66.9	68.6	50.4	41.0	91.7	72.4	61.4	40.3
3-Jun	82.0	69.4	70.0	52.4	43.0	103.6	76.4	67.3	45.8
10-Jun	82.0	68.1	71.3	53.1	43.0	110.6	76.6	70.6	46.4
17-Jun	86.0	72.1	74.2	56.1	46.0	116.9	80.7	76.8	52.5
24-Jun	86.0	70.4	75.5	58.1	50.0	116.2	79.3	81.9	56.4
1-Jul	84.0	69.7	75.3	58.3	48.0	104.3	76.4	80.9	57.1
8-Jul	88.0	75.6	78.3	60.9	50.0	117.6	82.2	90.2	64.3
15-Jul	88.0	74.6	78.3	60.5	52.0	125.3	82.0	89.9	63.3
22-Jul	88.0	74.4	79.6	62.2	54.0	119.7	77.2	91.8	66.3
29-Jul	86.0	71.2	78.8	61.5	53.0	117.6	77.4	90.7	65.2
5-Aug	88.0	74.8	78.6	62.4	54.0	125.3	84.3	94.1	69.2
12-Aug	84.0	71.6	77.0	60.7	52.0	119.0	78.1	89.8	66.1
19-Aug	86.0	72.9	76.7	59.3	50.0	114.1	82.3	87.6	63.8
26-Aug	84.0	71.2	74.2	56.4	46.0	110.6	77.4	80.3	57.0
2-Sep	85.0	73.8	73.8	56.7	45.0	118.3	81.4	83.5	58.0
9-Sep	82.0	70.2	70.7	53.3	43.0	109.9	77.6	74.3	51.6
16-Sep	79.0	68.5	67.2	50.3	41.0	104.3	72.6	69.6	46.6
23-Sep	77.0	67.6	64.3	48.5	37.0	97.3	75.0	64.5	43.1
30-Sep	72.0	65.4	61.8	45.3	34.0	91.7	68.1	58.4	38.3
7-Oct	72.0	64.2	58.9	43.3	32.0	80.5	66.0	54.0	35.1
14-Oct	69.0	59.3	54.6	39.5	28.0	75.6	61.6	46.9	30.0
21-Oct	66.0	58.3	53.0	38.0	27.0	73.5	66.0	42.5	27.0
28-Oct	70.0	61.1	52.4	37.7	27.0	80.5	66.2	42.7	26.9
4-Nov	63.0	54.9	49.4	34.9	25.0	65.8	59.2	38.3	22.9
11-Nov	61.0	56.4	44.7	32.4	21.0	70.0	60.9	35.3	21.0
18-Nov	57.0	52.8	40.9	28.2	16.0	57.4	55.4	30.8	17.7
25-Nov	52.0	48.4	37.3	26.0	10.0	53.2	51.9	27.4	16.0
2-Dec	55.0	52.1	35.2	23.3	5.0	53.9	53.8	25.5	14.3
9-Dec	52.0	48.7	30.9	18.4	-6.0	44.1	48.4	21.5	11.6
16-Dec	43.0	40.3	27.3	14.3	-9.0	37.8	44.1	19.0	10.2
23-Dec	43.0	39.3	24.8	11.5	-13.0	33.6	40.2	17.0	9.0
31-Dec	41.0	39.5	24.8	10.1	-17.0	32.2	39.0	17.0	8.3



	Mean Cooling Degree Days (°F)	Mean Heating Degree Days (°F)
JAN	0	1578
FEB	0	1358
MAR	0	1132
APR	4	667
MAY	37	305
JUN	104	103
JUL	194	35
AUG	151	61
SEP	38	239
OCT	3	566
NOV	0	893
DEC	0	1363
ANN	531	8300



	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	-43321	0	-10144
FEB	0	-37391	0	-8938
MAR	0	-31747	0	-7171
APR	11	-19577	1	-3357
MAY	123	-9934	165	-760
JUN	423	-4010	1189	-32
JUL	953	-1655	3177	0
AUG	631	-2582	2925	0
SEP	101	-8112	658	-126
OCT	2	-17024	26	-1433
NOV	0	-25479	0	-4238
DEC	0	-37744	0	-8330
ANN	2244	-238576	8141	-44529

Average Annual Solar Radiation – Nearest Available Site

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

City: BURLINGTON
 State: VT
 WBAN No: 14742
 Lat(N): 44.47
 Long(W): 73.15
 Elev(ft): 341

Stn Type: Primary
 SHADING GEOMETRY IN DIMENSIONLESS UNITS
 Window: 1
 Overhang: 0.663
 Vert Gap: 0.331

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	510	810	1150	1450	1750	1910	1920	1650	1270	830	490	390	1180
	Std Dev	52	69	89	124	166	127	102	88	88	79	42	50	37
	Minimum	380	670	960	1090	1370	1630	1720	1410	990	620	390	270	1080
	Maximum	630	990	1360	1680	2070	2150	2120	1790	1390	1030	560	500	1250
	Diffuse	320	460	600	700	820	870	840	750	590	430	330	270	580
Clear Day	Global	740	1110	1630	2160	2540	2680	2580	2250	1750	1210	790	630	1670
NORTH	Global	180	260	350	430	550	620	590	480	360	260	180	150	370
	Diffuse	180	260	350	420	500	540	520	460	360	260	180	150	350
Clear Day	Global	150	220	300	400	580	700	630	460	320	230	160	130	360
EAST	Global	350	530	720	880	1010	1070	1090	980	770	530	310	260	710
	Diffuse	220	330	430	510	590	640	630	560	450	320	220	180	420
Clear Day	Global	630	870	1160	1400	1540	1580	1540	1420	1190	910	650	550	1120
SOUTH	Global	850	1060	1100	980	910	860	920	1000	1070	980	670	630	920
	Diffuse	350	450	510	540	580	600	600	570	510	400	310	290	480
Clear Day	Global	1890	2030	1940	1560	1230	1080	1120	1390	1730	1920	1860	1790	1620
WEST	Global	360	540	730	860	990	1080	1090	970	790	550	330	270	710
	Diffuse	230	330	430	510	600	640	630	570	450	320	220	190	430
Clear Day	Global	630	870	1160	1400	1540	1580	1540	1420	1190	910	650	550	1120

Average Annual Solar Heat and Illumination – Nearest Available Site

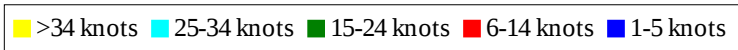
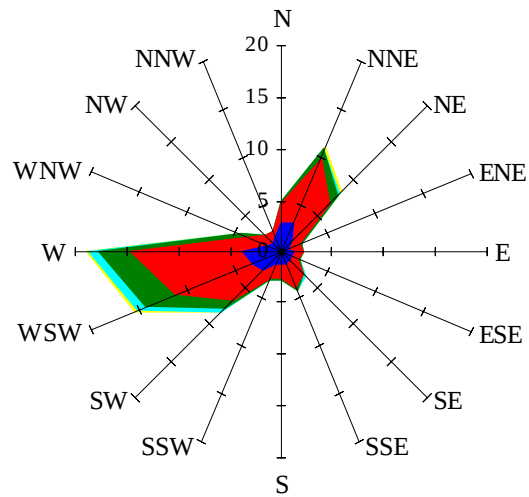
(Source: National Renewable Energy Laboratory, Golden CO, 1995)

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	330	540	800	1030	1260	1380	1390	1180	890	560	320	250	830
NORTH	Unshaded	120	180	240	290	360	410	390	320	250	180	130	100	250
	Shaded	100	150	200	250	310	350	330	280	210	150	100	83	210
EAST	Unshaded	240	370	500	620	720	760	780	700	550	370	220	170	500
	Shaded	210	310	420	510	580	610	630	570	450	310	180	150	410
SOUTH	Unshaded	640	780	780	660	580	540	580	660	740	710	500	480	630
	Shaded	610	700	590	390	340	350	350	370	500	600	470	450	480
WEST	Unshaded	250	370	520	610	710	770	780	690	560	380	230	190	500
	Shaded	210	320	430	500	570	620	630	560	470	320	190	160	410

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	39	68	75	58	21	52	84	98	91	65
	M.Cloudy	25	44	48	37	13	33	55	69	63	44
NORTH	M.Clear	10	13	14	12	7	13	16	16	16	14
	M.Cloudy	10	16	17	14	6	13	18	19	19	15
EAST	M.Clear	73	52	14	12	7	81	68	26	16	14
	M.Cloudy	28	29	17	14	6	37	40	24	19	15
SOUTH	M.Clear	45	79	87	67	24	12	40	54	47	23
	M.Cloudy	20	38	43	31	10	12	28	39	34	18
WEST	M.Clear	10	13	27	69	61	12	16	16	54	80
	M.Cloudy	10	16	21	32	19	12	18	19	38	44
M.Clear	(% hrs)	26	25	26	27	28	30	32	26	26	26
		Sept					Dec				
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	30	63	78	71	41	10	33	37	19	0
	M.Cloudy	18	41	53	47	25	7	20	22	12	0
NORTH	M.Clear	8	13	15	14	10	4	9	9	6	0
	M.Cloudy	8	14	17	16	10	3	9	9	6	0
EAST	M.Clear	68	64	23	14	10	29	32	9	6	0
	M.Cloudy	23	34	20	16	10	9	14	9	6	0
SOUTH	M.Clear	25	62	79	70	37	29	74	82	49	0
	M.Cloudy	12	33	45	39	18	9	25	26	15	0
WEST	M.Clear	8	13	15	55	73	4	9	23	39	0
	M.Cloudy	8	14	17	33	30	3	9	12	13	0
M.Clear	(% hrs)	29	30	29	29	31	14	14	15	18	19

Wind Summary - December, January, and February

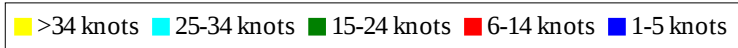
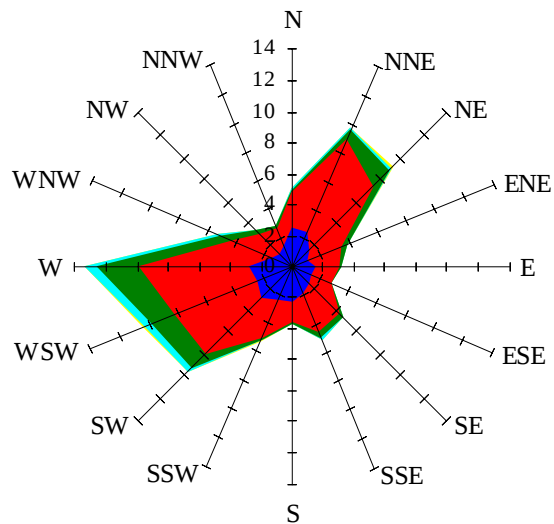
Labels of Percent Frequency on North Axis



Percent Calm = 5.89

Wind Summary - March, April, and May

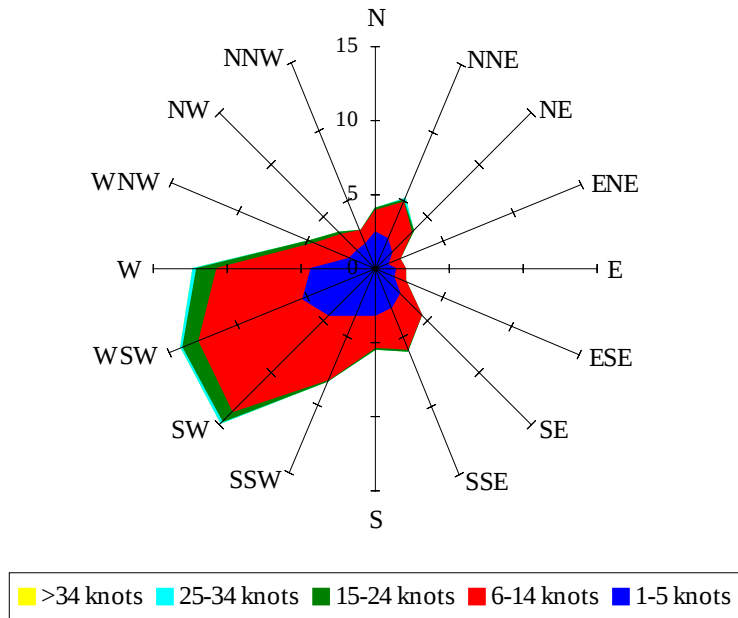
Labels of Percent Frequency on North Axis



Percent Calm = 4.15

Wind Summary - June, July, and August

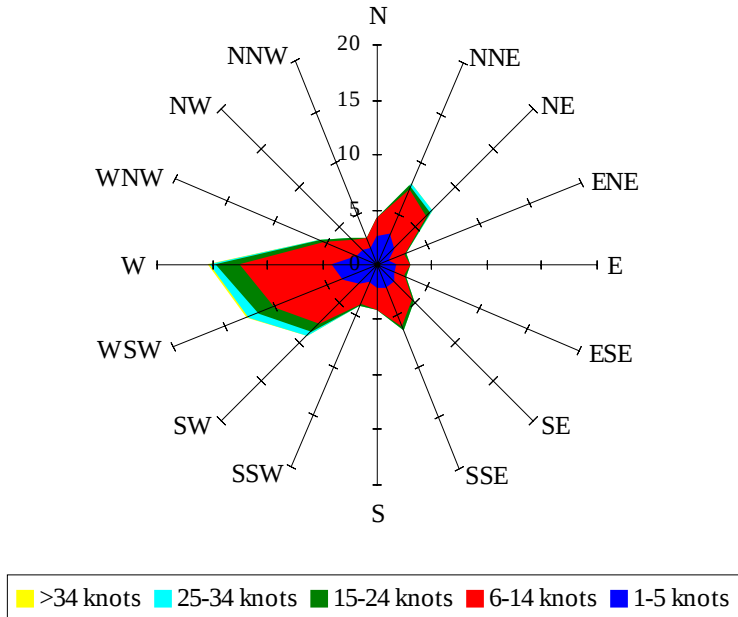
Labels of Percent Frequency on North Axis



Percent Calm = 5.05

Wind Summary - September, October, and November

Labels of Percent Frequency on North Axis



Percent Calm = 5.31