

CHURCHILL CN

Latitude = 58.75 N

Longitude = 94.07 W

Period of Record = 1973 to 1996

WMO No. 719130

Elevation = 95 feet

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	86	66	66	14.4	SW
0.4% Occurrence	77	62	61	11.5	SW
1.0% Occurrence	73	60	58	10.7	S
2.0% Occurrence	68	58	56	10.6	S
Mean Daily Range	14	-	-	-	-
97.5% Occurrence	-31	-31	1	13.2	W
99.0% Occurrence	-35	-35	1	12.8	W
99.6% Occurrence	-36	-36	1	12.7	W
Median of Extreme Lows	-40	-40	0	10.5	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	69	81	86	10.2	S
0.4% Occurrence	64	75	72	11.0	SW
1.0% Occurrence	61	70	65	10.5	S
2.0% Occurrence	59	67	61	10.3	S
	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	92	74	0.61	9.4	S
0.4% Occurrence	76	68	0.50	10.1	S
1.0% Occurrence	69	68	0.47	9.0	S
2.0% Occurrence	62	63	0.42	10.0	S
Air Conditioning/ Humid Area Criteria	# of Hours	T ≥ 93°F	T ≥ 80°F	T _{wb} ≥ 73°F	T _{wb} ≥ 67°F
		0	24	1	14

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
1	N/A	N/A	0.0 + 0.0
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 (#)
21.9	N/A	N/A	31

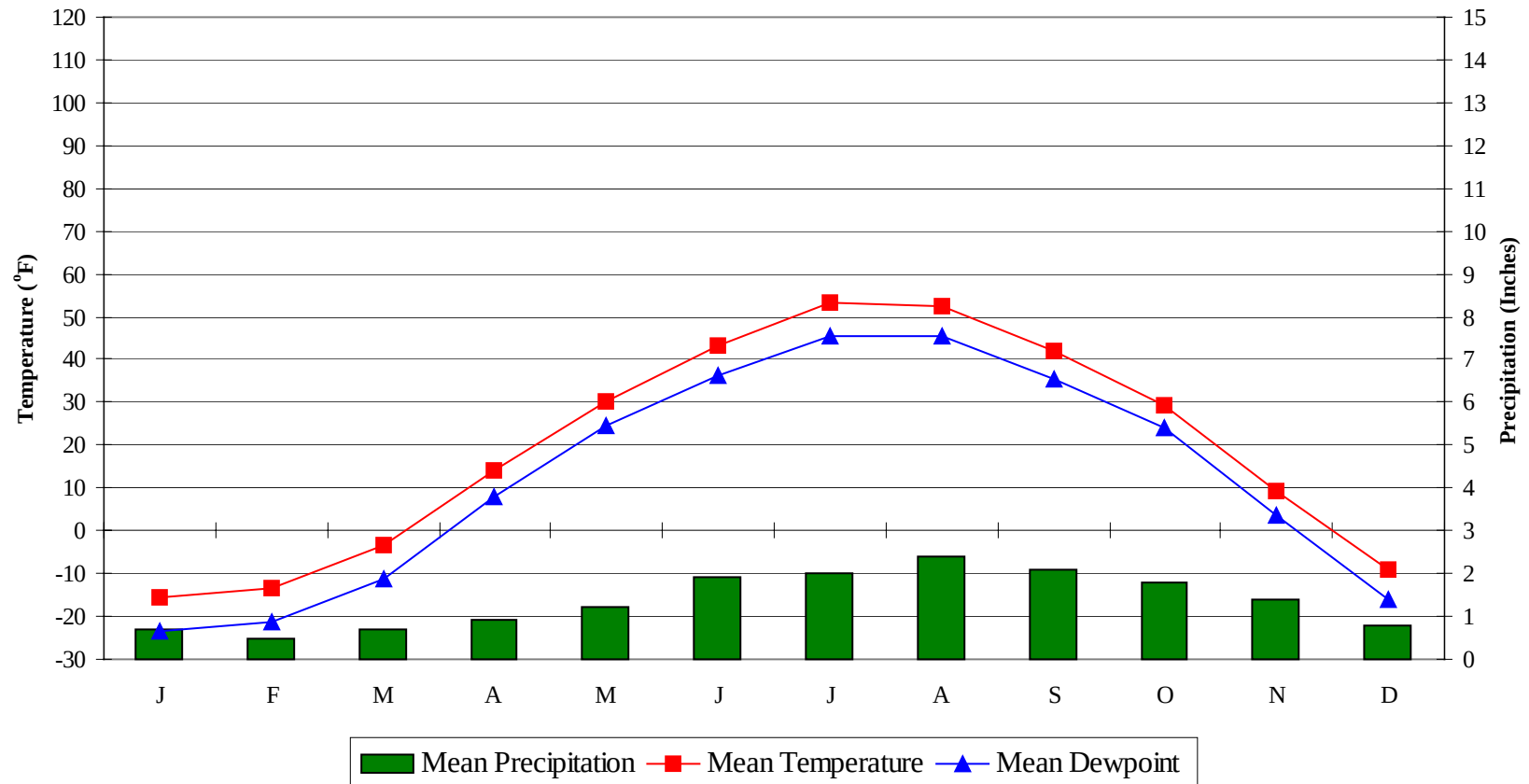
*Note: Temperatures at greater depths can be estimated by adding 1.5°F per 100 feet additional depth.

CHURCHILL

CN

WMO No. 719130

Average Annual Climate

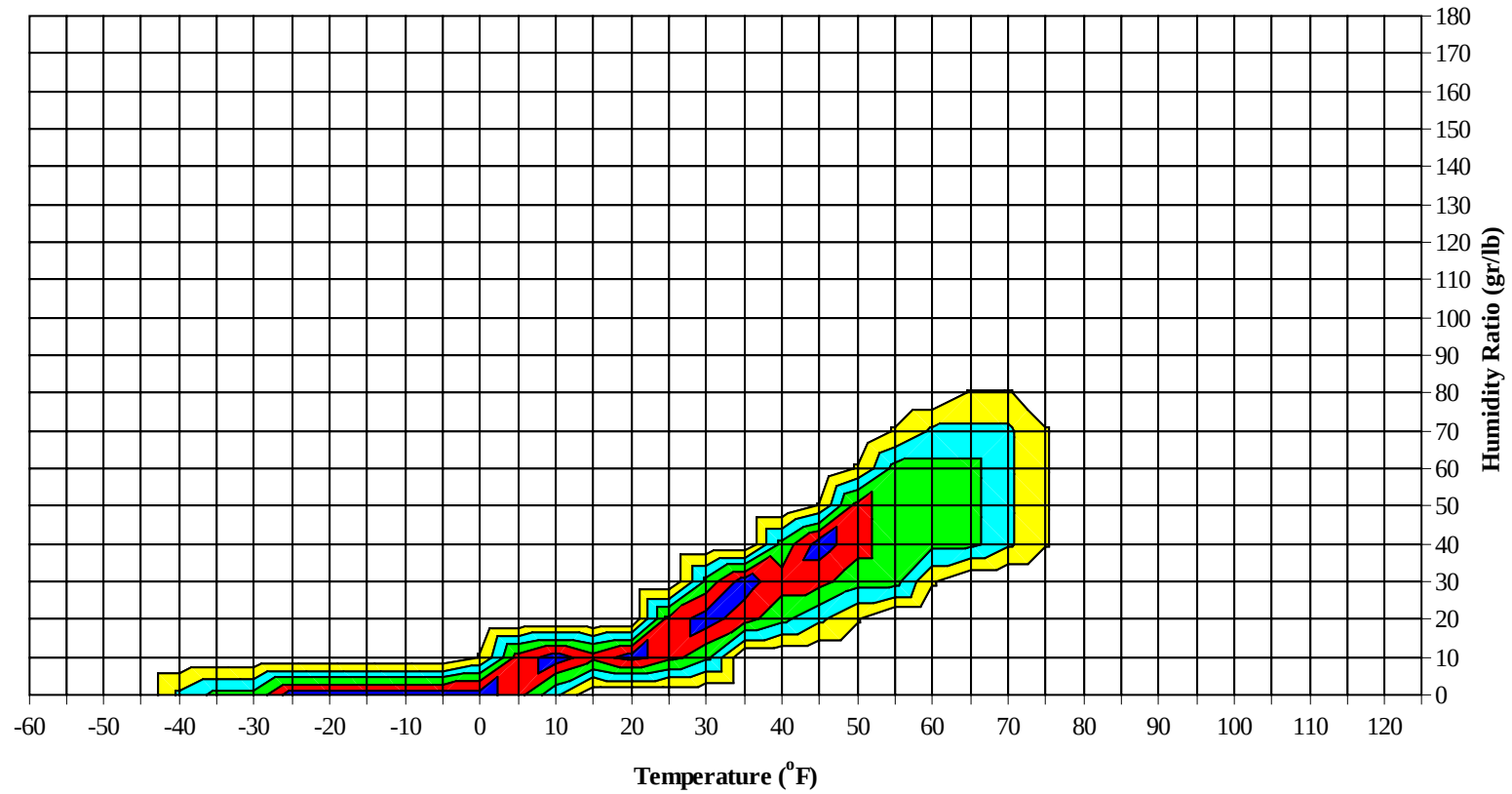


CHURCHILL

CN

WMO No. 719130

Long Term Psychrometric Summary



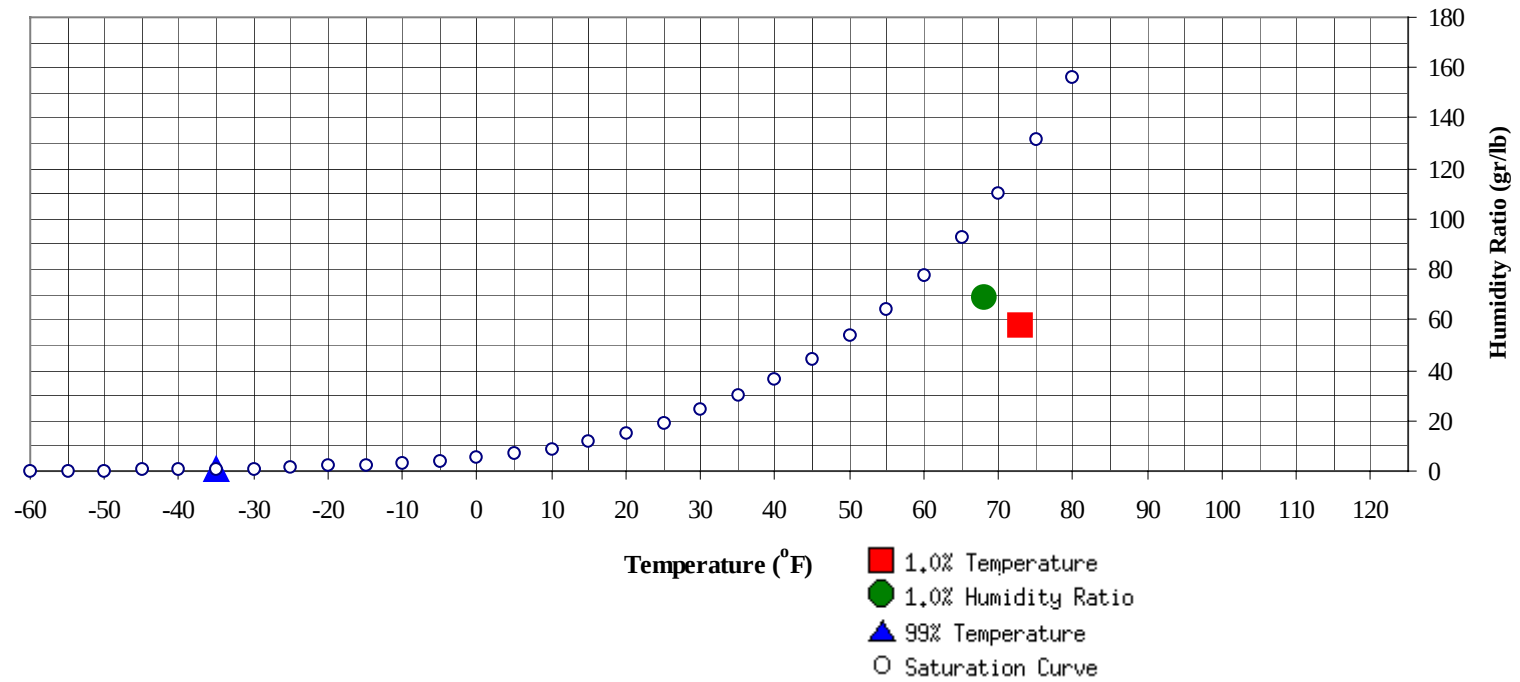
- 50% of all observations
- 80% of all observations
- 95% of all observations
- 97.5% of all observations
- 99% of all observations

CHURCHILL

CN

WMO No. 719130

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)
	-35	0.7	-8.3		69.3	68.2	61.2	57	27.2

1.0% Dry Bulb	(°F)	MCHR (gr/lb)	MCWB (°F)	Enthalpy (btu/lb)
	73	57.8	60.2	26.5

CHURCHILL CN

WMO No. 719130

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															
65 / 69															
60 / 64															
55 / 59															
50 / 54															
45 / 49												0	0	0	38.0
40 / 44												0	0	0	36.1
35 / 39											1	2	2	5	33.2
30 / 34	0		0	0	30.6	0	0		0	30.0	1	3	3	7	29.9
25 / 29	0	2	1	3	24.7	1	1	2	4	25.0	4	7	5	16	24.7
20 / 24	1	1	1	3	21.2	1	1	1	3	21.2	5	7	5	17	20.5
15 / 19	3	3	3	9	16.5	3	3	3	9	16.0	11	15	15	41	16.1
10 / 14	5	6	6	17	11.0	5	8	7	20	11.0	18	22	19	59	10.9
5 / 9	11	11	12	34	5.6	12	13	14	39	5.7	19	26	26	71	5.8
0 / 4	18	19	17	54	0.5	18	22	21	61	0.5	24	38	33	95	0.4
-5 / -1	12	15	14	41	-3.8	13	17	16	46	-3.9	23	23	25	71	-3.8
-10 / -6	26	29	26	81	-8.2	21	25	26	72	-8.2	30	33	35	97	-8.2
-15 / -11	22	25	23	70	-12.5	17	21	21	59	-12.6	25	23	29	77	-12.5
-20 / -16	31	30	33	94	-17.1	32	39	40	111	-17.2	36	23	29	87	-16.9
-25 / -21	38	37	39	114	-22.4	37	34	33	105	-22.3	28	15	15	58	-22.2
-30 / -26	35	36	40	111	-27.4	33	22	27	82	-27.3	17	7	7	31	-27.2
-35 / -31	23	20	21	64	-32.0	15	10	9	34	-32.0	5	2	2	9	-31.9
-40 / -36	16	12	12	40	-36.2	13	5	5	23	-36.1	4	1	0	5	-35.9
-45 / -41	4	2	1	7	-41.2	2	1	1	4	-40.7					
-50 / -46	0	0		0	-45.8	0	0		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.

CHURCHILL CN

WMO No. 719130

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	69.0
85 / 89												1	0	1	65.9
80 / 84		0	0	0	59.0		0	0	0	59.2		2	1	3	62.5
75 / 79		0	0	0	57.9		1	0	1	58.8	0	5	3	8	59.7
70 / 74		0	0	0	56.6		2	0	2	57.1	1	12	5	18	57.8
65 / 69		0	0	0	53.5	0	2	1	3	54.4	2	10	6	18	56.0
60 / 64	0	0	0	0	50.6	0	3	2	5	52.1	6	16	13	35	53.9
55 / 59	0	0	0	0	46.8	1	5	4	10	48.9	14	16	18	48	50.8
50 / 54	0	1	1	2	43.2	3	9	6	18	45.4	17	20	21	58	46.6
45 / 49	1	2	1	4	39.9	7	12	8	27	41.7	25	30	27	82	42.8
40 / 44	1	4	2	7	37.0	7	14	10	31	38.3	24	28	25	77	39.2
35 / 39	7	14	14	35	33.8	22	38	31	91	34.7	60	62	59	180	35.5
30 / 34	12	22	18	52	29.8	67	70	82	219	30.5	76	34	57	168	31.7
25 / 29	21	31	26	78	24.8	60	41	50	151	25.7	16	3	5	24	26.5
20 / 24	19	23	24	66	20.6	25	20	20	65	20.9	0		0	0	21.8
15 / 19	32	38	36	106	16.3	25	19	20	64	16.4					
10 / 14	32	33	33	98	11.1	16	7	10	33	11.5					
5 / 9	31	29	32	92	6.0	10	3	3	16	6.5					
0 / 4	29	21	24	74	0.7	4	1	1	6	1.3					
-5 / -1	16	8	12	36	-3.7	1	0	0	1	-3.7					
-10 / -6	19	7	10	36	-7.9	0			0	-6.4					
-15 / -11	9	3	4	16	-12.5	0			0	-12.3					
-20 / -16	9	2	2	13	-16.6										
-25 / -21	2	0		2	-21.2										
-30 / -26	0			0	-26.0										
-35 / -31															
-40 / -36															
-45 / -41															
-50 / -46															

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.

CHURCHILL CN

WMO No. 719130

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	0	0	76.0					
90 / 94		1	0	1	68.4	0	0	0	0	74.8					
85 / 89		3	1	4	66.1	1	0	1	1	68.7					
80 / 84		6	2	8	64.9	4	1	5	5	65.9					
75 / 79	1	13	6	20	62.4	0	9	4	13	62.7		0	0	0	60.6
70 / 74	2	21	13	36	59.8	1	17	9	27	60.4		3	1	4	58.5
65 / 69	6	18	14	38	57.8	4	17	11	32	58.6	0	4	1	5	56.4
60 / 64	18	31	31	80	55.4	12	28	22	62	56.0	0	7	4	11	54.0
55 / 59	33	40	40	113	52.1	29	39	35	103	52.5	2	12	7	21	50.7
50 / 54	59	44	47	150	48.6	51	62	58	171	48.6	12	26	20	58	47.5
45 / 49	67	39	50	156	44.8	97	56	77	231	44.8	36	62	51	148	43.7
40 / 44	32	19	23	74	40.9	41	13	27	81	40.8	63	52	58	172	39.9
35 / 39	25	11	19	55	36.8	11	1	4	16	37.1	74	49	62	186	35.3
30 / 34	6	1	3	10	32.8	1	0	0	1	32.1	42	20	30	92	30.1
25 / 29											10	4	6	20	25.1
20 / 24											1	0	1	2	20.7
15 / 19											0			0	19.0
10 / 14															
5 / 9															
0 / 4															
-5 / -1															
-10 / -6															
-15 / -11															
-20 / -16															
-25 / -21															
-30 / -26															
-35 / -31															
-40 / -36															
-45 / -41															
-50 / -46															

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.

CHURCHILL CN

WMO No. 719130

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															
70 / 74															
65 / 69															
60 / 64		1	0	1	53.6										
55 / 59	0	1	1	2	51.3										
50 / 54	1	5	2	8	46.6										
45 / 49	3	8	6	17	42.4										
40 / 44	6	13	9	28	39.1		0		0	35.0					
35 / 39	38	47	45	130	35.4	2	1	2	5	34.5		0	0	0	33.3
30 / 34	74	68	69	211	30.5	8	12	10	30	30.1	1	1	0	2	29.8
25 / 29	54	53	56	163	25.1	26	30	28	84	25.4	2	2	2	6	24.9
20 / 24	30	23	26	79	20.6	26	24	25	75	21.1	5	5	4	14	21.2
15 / 19	24	16	18	58	16.5	25	29	29	83	16.5	11	12	12	35	16.7
10 / 14	11	8	11	30	11.4	31	29	29	89	11.3	12	13	12	37	11.4
5 / 9	5	3	4	12	6.4	31	30	30	91	6.1	19	17	16	52	6.0
0 / 4	1	1	1	3	0.7	25	27	28	80	0.8	20	25	26	71	0.8
-5 / -1	0	0	0	0	-3.3	18	18	16	52	-3.8	17	18	19	54	-3.8
-10 / -6	0		1	1	-7.4	20	18	21	59	-8.0	32	31	30	93	-8.1
-15 / -11						9	11	11	31	-12.5	26	24	25	75	-12.5
-20 / -16						13	8	9	30	-16.7	33	34	32	99	-17.1
-25 / -21						5	3	3	11	-22.0	29	32	32	93	-22.2
-30 / -26						0	0	0	0	-26.5	22	19	24	65	-27.4
-35 / -31											13	10	10	33	-31.8
-40 / -36											6	3	4	13	-36.0
-45 / -41											0	0	0	0	-41.3
-50 / -46															

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.

CHURCHILL CN

WMO No. 719130

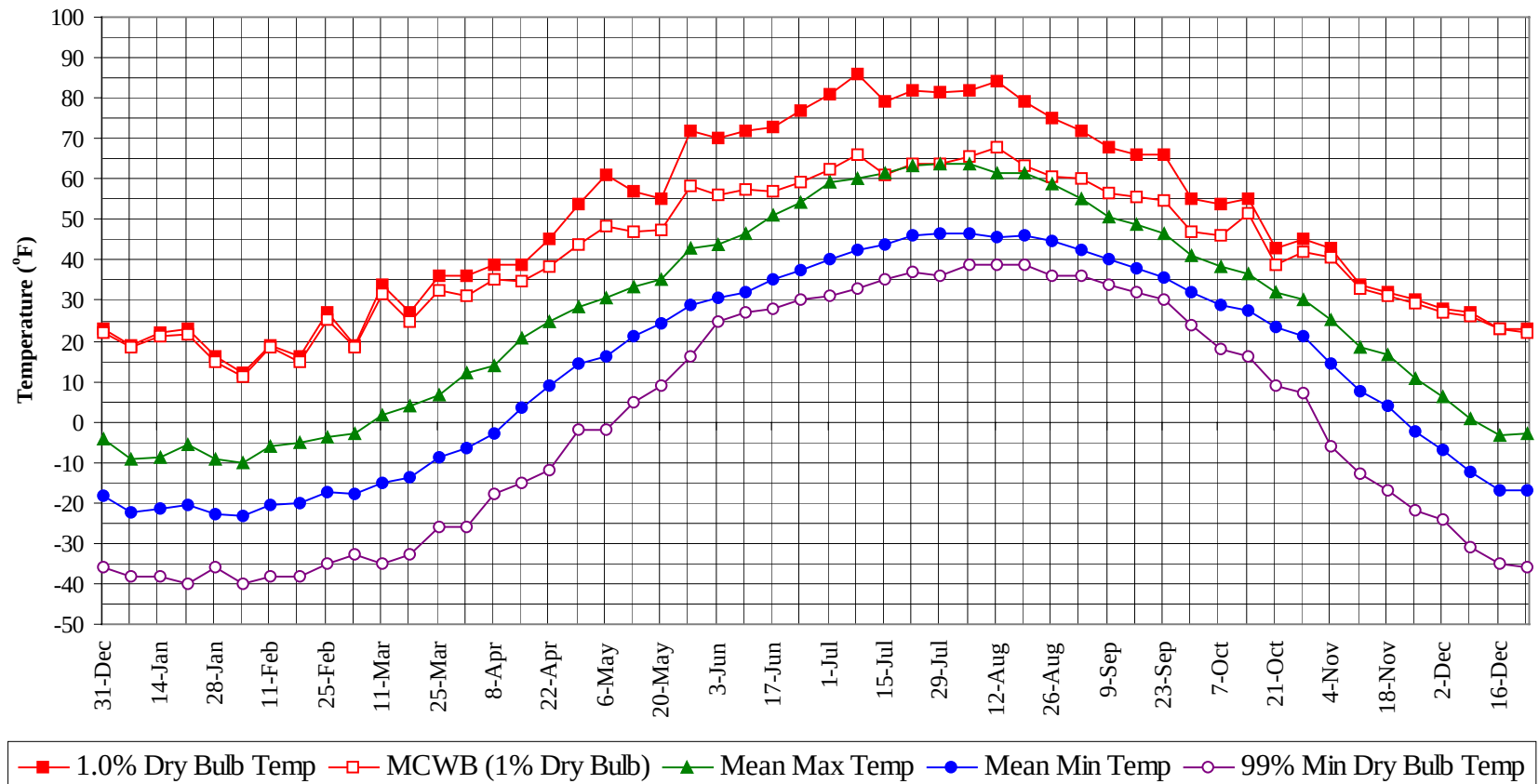
Dry-Bulb Temperature Hours For An Average Year (Sheet 5 of 5)

Period of Record = 1973 to 1996

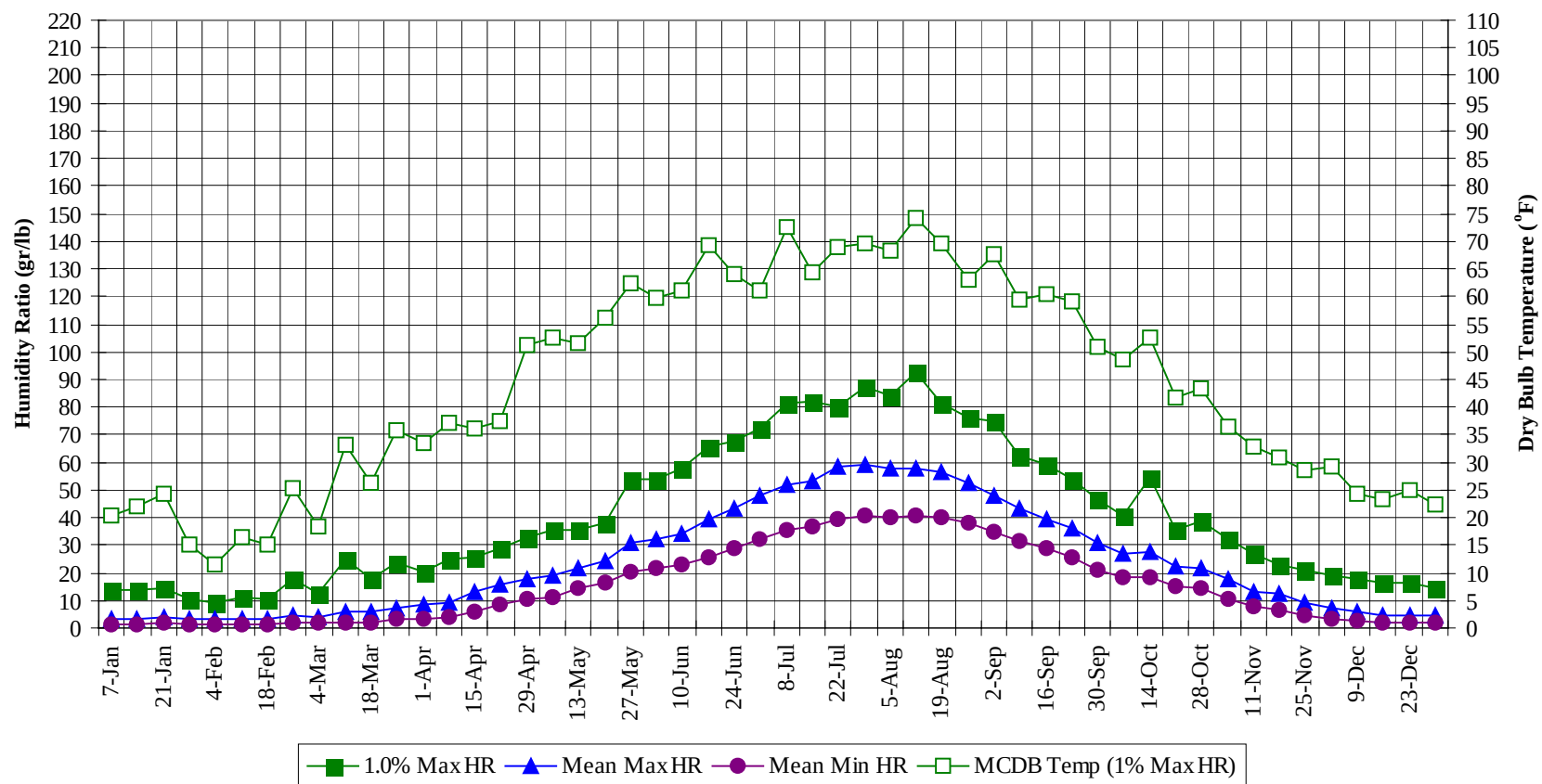
Annual Totals					
Temperature Range (°F)	Hour Group (LST)			Total Obs	M C W B (°F)
	01 To 08	09 To 16	17 To 00		
95 / 99		0	0	0	76.0
90 / 94		1	0	1	69.5
85 / 89		4	2	6	66.7
80 / 84		12	5	17	64.6
75 / 79	1	29	13	43	61.8
70 / 74	4	54	28	86	59.4
65 / 69	12	51	33	96	57.5
60 / 64	36	85	71	192	55.1
55 / 59	78	114	104	297	51.8
50 / 54	143	166	153	463	48.1
45 / 49	234	208	218	661	44.1
40 / 44	172	143	152	468	39.9
35 / 39	239	226	238	703	35.3
30 / 34	289	232	271	791	30.7
25 / 29	195	175	181	552	25.3
20 / 24	114	104	107	326	20.8
15 / 19	133	137	135	406	16.4
10 / 14	129	126	126	382	11.2
5 / 9	137	133	135	406	6.0
0 / 4	139	155	150	445	0.6
-5 / -1	101	100	104	305	-3.8
-10 / -6	151	143	149	444	-8.1
-15 / -11	108	108	113	330	-12.5
-20 / -16	154	135	145	435	-17.0
-25 / -21	140	122	122	385	-22.3
-30 / -26	108	84	97	289	-27.3
-35 / -31	55	43	43	141	-31.9
-40 / -36	39	22	21	82	-36.1
-45 / -41	6	3	2	11	-41.0
-50 / -46	1	0		1	-45.8

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



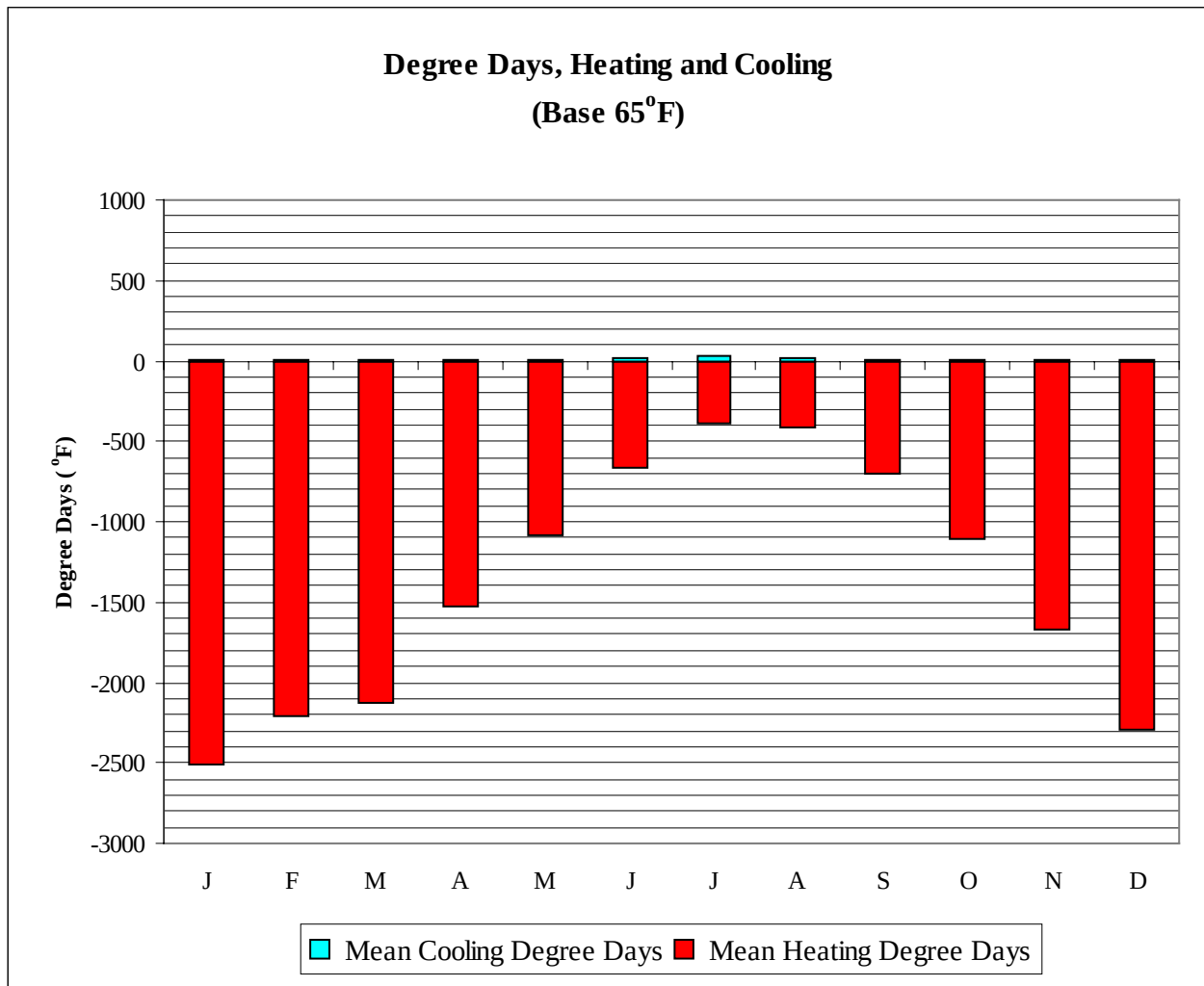
CHURCHILL**CN****WMO No. 719130****Long Term Dry Bulb Temperature and Humidity Summary**

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	19.0	18.6	-9.3	-22.4	-38.0	14.0	20.2	3.2	1.4
14-Jan	22.0	21.0	-8.8	-21.7	-38.0	14.0	22.1	3.3	1.5
21-Jan	23.0	21.4	-5.5	-20.5	-40.0	14.7	24.5	4.2	1.7
28-Jan	16.0	15.0	-9.3	-22.9	-36.0	10.5	15.1	3.1	1.2
4-Feb	12.0	11.4	-10.2	-23.1	-40.0	9.1	11.4	3.0	1.2
11-Feb	19.0	18.3	-6.1	-20.7	-38.0	11.2	16.6	3.5	1.5
18-Feb	16.0	15.0	-5.3	-19.9	-38.0	10.5	15.2	3.5	1.5
25-Feb	27.0	25.2	-3.8	-17.5	-35.0	17.5	25.2	4.4	2.1
4-Mar	19.0	18.4	-2.7	-18.0	-33.0	12.6	18.5	4.2	1.7
11-Mar	34.0	31.5	1.5	-15.3	-35.0	25.2	33.1	5.8	2.3
18-Mar	27.0	24.6	3.7	-13.7	-33.0	17.5	26.3	5.9	2.2
25-Mar	36.0	32.4	6.7	-8.6	-26.0	23.8	35.8	7.2	3.5
1-Apr	36.0	31.3	11.9	-6.5	-26.0	20.3	33.4	8.4	3.3
8-Apr	39.0	35.3	13.9	-2.9	-18.0	25.2	37.2	9.5	4.1
15-Apr	39.0	34.8	20.9	3.6	-15.0	25.9	36.2	13.1	6.1
22-Apr	45.0	38.4	24.7	8.8	-12.0	28.7	37.5	15.5	8.4
29-Apr	54.0	43.8	28.3	14.4	-2.0	32.9	51.1	17.6	10.2
6-May	61.0	48.4	30.7	16.3	-2.0	35.7	52.5	18.8	11.4
13-May	57.0	47.1	33.2	20.9	5.0	35.7	51.5	21.8	14.2
20-May	55.0	47.4	35.3	24.5	9.0	37.8	56.1	24.1	16.4
27-May	72.0	58.2	43.0	28.9	16.0	53.9	62.5	31.1	20.3
3-Jun	70.0	56.2	43.9	30.8	25.0	53.9	59.9	32.3	21.8
10-Jun	72.0	57.2	46.6	32.2	27.0	58.1	61.2	34.3	23.2
17-Jun	73.0	57.0	50.9	35.0	28.0	65.8	69.2	39.2	25.8
24-Jun	77.0	59.3	54.4	37.4	30.0	67.9	64.0	43.5	28.6
1-Jul	81.0	62.3	59.3	40.0	31.0	72.1	61.0	47.7	31.9
8-Jul	86.0	66.0	60.1	42.5	33.0	81.2	72.4	52.0	35.4
15-Jul	79.0	61.1	61.3	44.0	35.0	81.9	64.4	53.3	36.9
22-Jul	82.0	63.6	63.3	46.0	37.0	79.8	69.0	58.2	39.4
29-Jul	81.5	63.9	63.9	46.4	36.0	87.5	69.6	59.0	40.7
5-Aug	82.0	65.7	63.6	46.6	39.0	84.0	68.3	57.9	40.0
12-Aug	84.0	67.7	61.5	45.8	39.0	92.4	74.2	57.6	40.8
19-Aug	79.0	63.3	61.7	46.0	39.0	81.2	69.7	56.5	40.4
26-Aug	75.0	60.5	58.8	44.6	36.0	76.3	63.2	52.7	37.8
2-Sep	72.0	60.1	55.3	42.3	36.0	74.9	67.7	48.3	34.9
9-Sep	68.0	56.7	50.7	40.3	34.0	62.3	59.3	43.3	31.5
16-Sep	66.0	55.4	48.8	38.1	32.0	58.8	60.5	39.6	28.6
23-Sep	66.0	54.9	46.6	35.8	30.0	53.9	59.1	36.2	25.7
30-Sep	55.0	47.0	41.0	31.9	24.0	46.9	50.8	30.9	21.3
7-Oct	54.0	46.2	38.4	28.9	18.0	40.6	48.5	27.1	18.7
14-Oct	55.0	51.5	36.7	27.5	16.0	54.6	52.6	27.8	18.6
21-Oct	43.0	39.0	31.9	23.3	9.0	35.7	41.8	22.6	15.4
28-Oct	45.0	41.9	30.2	21.3	7.0	38.5	43.3	21.5	14.2
4-Nov	43.0	40.4	25.3	14.2	-6.0	32.2	36.3	17.7	10.5
11-Nov	34.0	32.8	18.3	7.8	-13.0	26.6	33.0	13.2	7.7
18-Nov	32.0	31.0	16.5	3.7	-17.0	23.1	30.9	12.4	6.4
25-Nov	30.0	29.2	10.5	-2.5	-22.0	21.0	28.6	9.4	4.9
2-Dec	28.0	27.0	6.2	-6.8	-24.0	18.9	29.2	7.5	3.5
9-Dec	27.0	26.1	0.7	-12.2	-31.0	17.5	24.3	5.8	2.7
16-Dec	23.0	22.8	-3.3	-16.9	-35.0	16.1	23.3	4.7	2.0
23-Dec	23.0	22.1	-3.0	-16.8	-36.0	16.1	25.1	4.8	2.1
31-Dec	23.0	22.1	-4.3	-18.3	-36.0	14.7	22.2	4.6	1.9

CHURCHILL

CN

WMO No. 719130



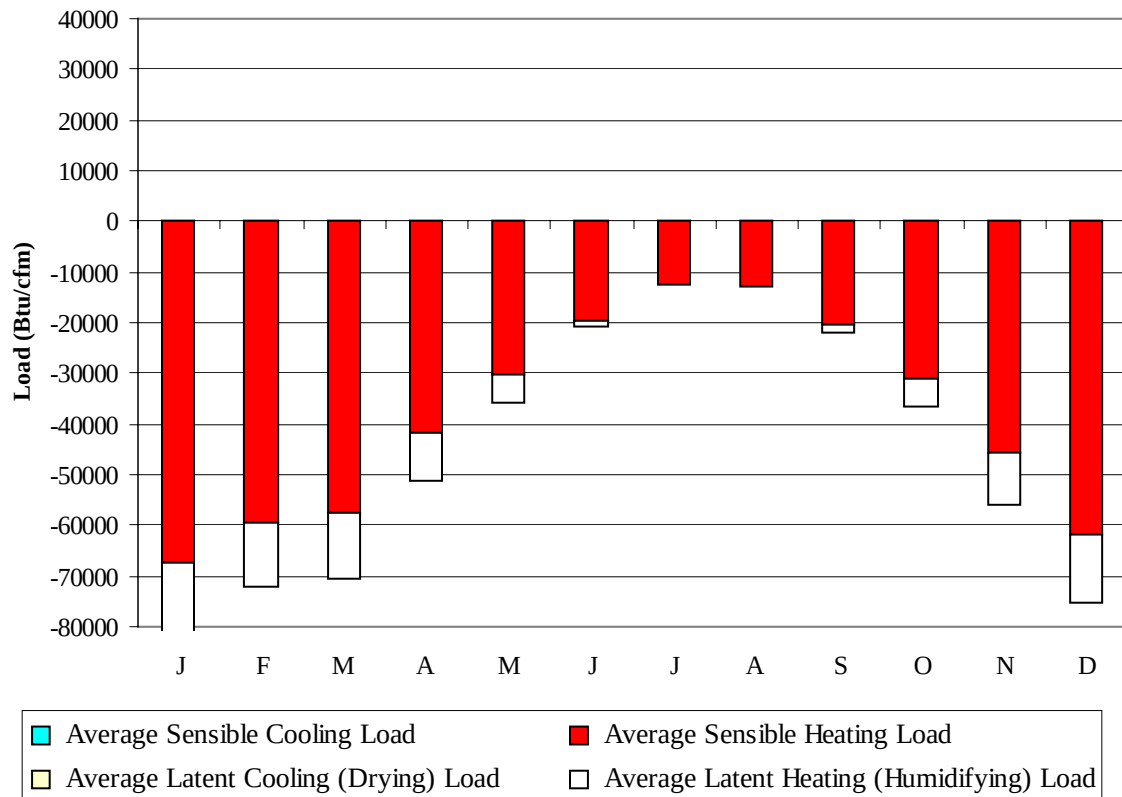
	Mean Cooling Degree Days (°F)	Mean Heating Degree Days (°F)
JAN	0	2505
FEB	0	2212
MAR	0	2126
APR	0	1521
MAY	2	1082
JUN	12	664
JUL	32	394
AUG	21	410
SEP	1	696
OCT	0	1112
NOV	0	1675
DEC	0	2296
ANN	69	16693

CHURCHILL

CN

WMO No. 719130

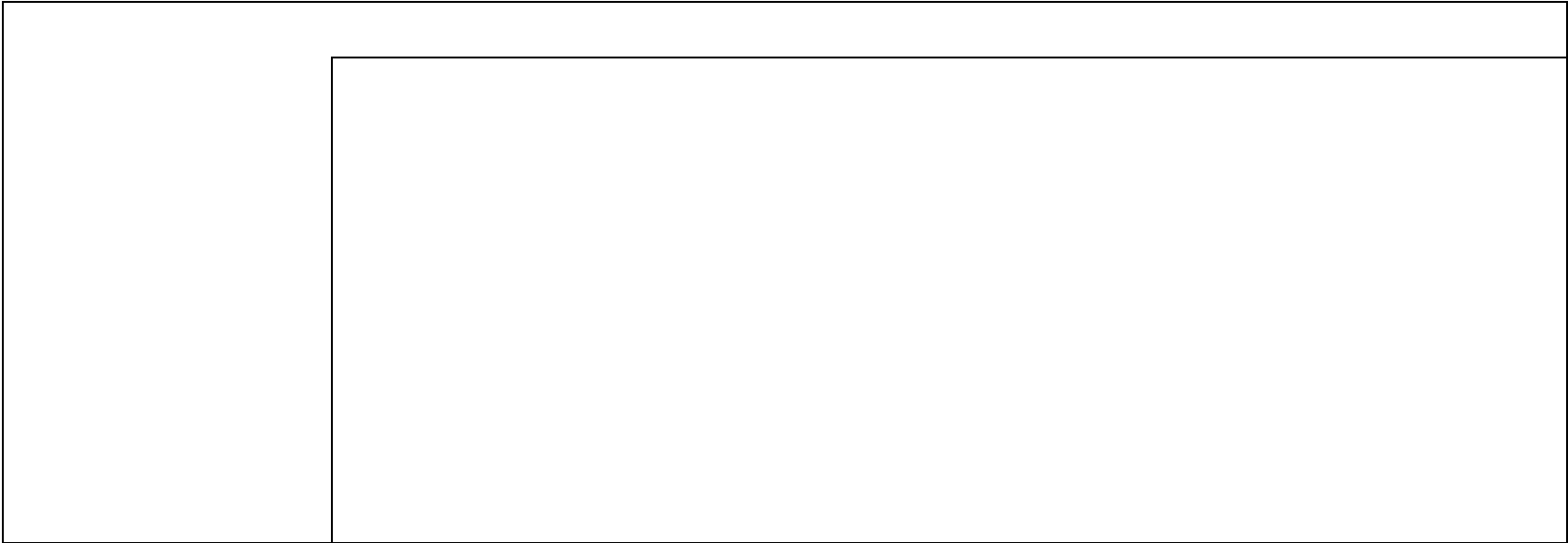
Average Ventilation and Infiltration Loads
(Outside Air vs. 75°F, 60% RH summer; 68°F, 30% RH winter)



	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	-67336	0	-13798
FEB	0	-59542	0	-12513
MAR	0	-57505	0	-12892
APR	2	-41743	0	-9474
MAY	3	-30441	0	-5181
JUN	43	-19418	4	-1357
JUL	157	-12330	46	-71
AUG	86	-12842	64	-82
SEP	1	-20365	0	-1501
OCT	0	-31240	0	-5387
NOV	0	-45759	0	-10286
DEC	0	-61913	0	-13383
ANN	292	-460434	114	-85925

Average Annual Solar Radiation – Nearest Available Site
(Source: National Renewable Energy Laboratory, Golden CO, 1995)

No Solar Radiation
Data Available

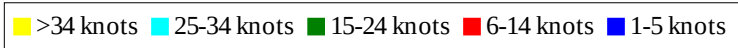
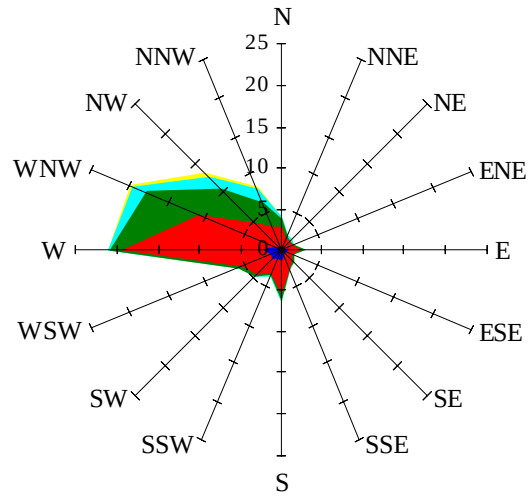


Average Annual Solar Heat and Illumination – Nearest Available Site

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

Wind Summary - December, January, and February

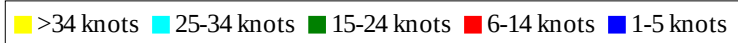
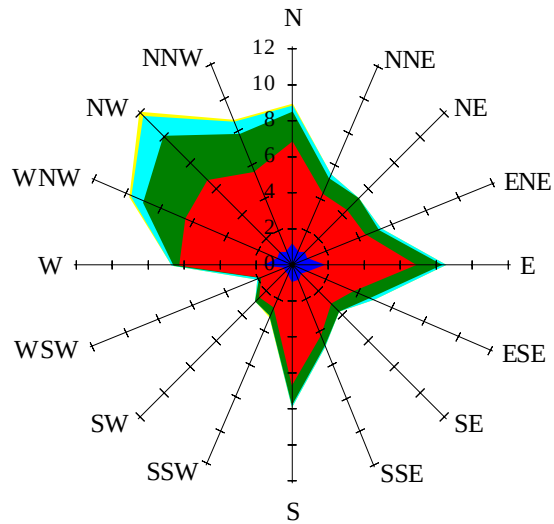
Labels of Percent Frequency on North Axis



Percent Calm = 1.34

Wind Summary - March, April, and May

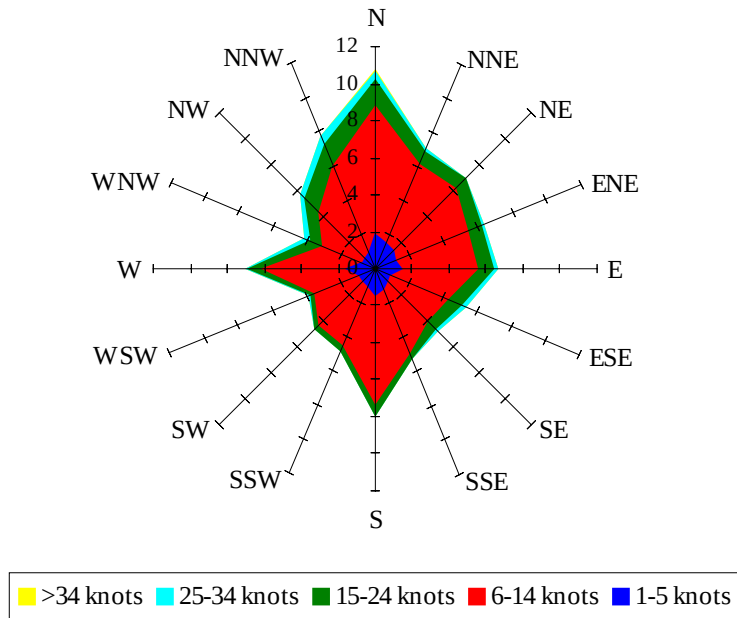
Labels of Percent Frequency on North Axis



Percent Calm = 1.40

Wind Summary - June, July, and August

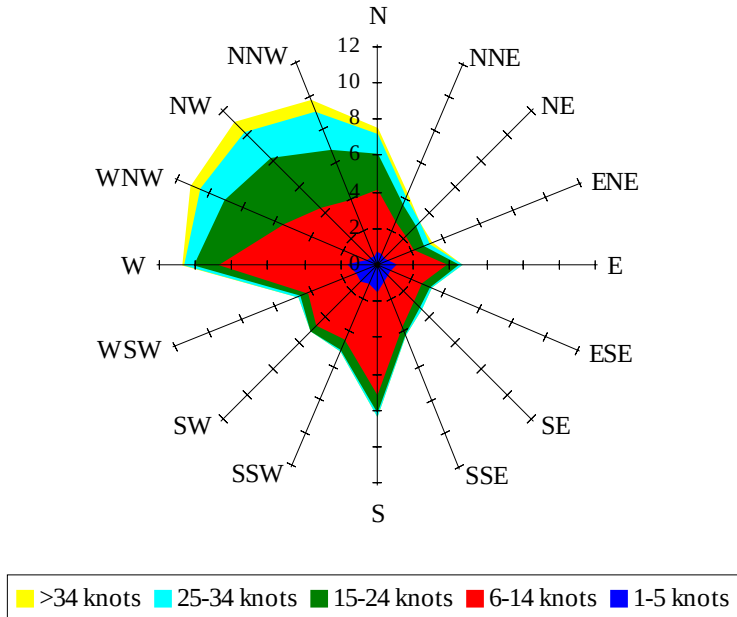
Labels of Percent Frequency on North Axis



Percent Calm = 1.53

Wind Summary - September, October, and November

Labels of Percent Frequency on North Axis



Percent Calm = 1.27