

RENO/CANNON INTL NV

Latitude = 39.50 N

WMO No. 724880

Longitude = 119.70 W

Elevation = 4400 feet

Period of Record = 1973 to 1996

Average Pressure = 25.57 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	100	62	35	10.9	WNW
0.4% Occurrence	95	61	38	10.5	W
1.0% Occurrence	93	60	38	10.4	W
2.0% Occurrence	90	59	37	10.7	WNW
Mean Daily Range	29	-	-	-	-
97.5% Occurrence	20	19	14	2.8	S
99.0% Occurrence	15	14	11	2.5	S
99.6% Occurrence	10	9	9	2.5	S
Median of Extreme Lows	5	5	7	2.3	S
	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	66	88	75	8.2	WNW
0.4% Occurrence	63	88	59	10.0	W
1.0% Occurrence	62	87	55	9.7	W
2.0% Occurrence	60	85	49	9.6	WNW
	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	90	66	0.52	5.1	W
0.4% Occurrence	76	68	0.44	6.1	S
1.0% Occurrence	67	68	0.39	5.1	S
2.0% Occurrence	60	68	0.35	6.4	S
Air Conditioning/ Humid Area Criteria	# of Hours	T ≥ 93°F	T ≥ 80°F	T _{wb} ≥ 73°F	T _{wb} ≥ 67°F
		89	813	0	0

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
6	1.0	N/A	0.0 + 0.9
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 (#)
54.0	52	11	123

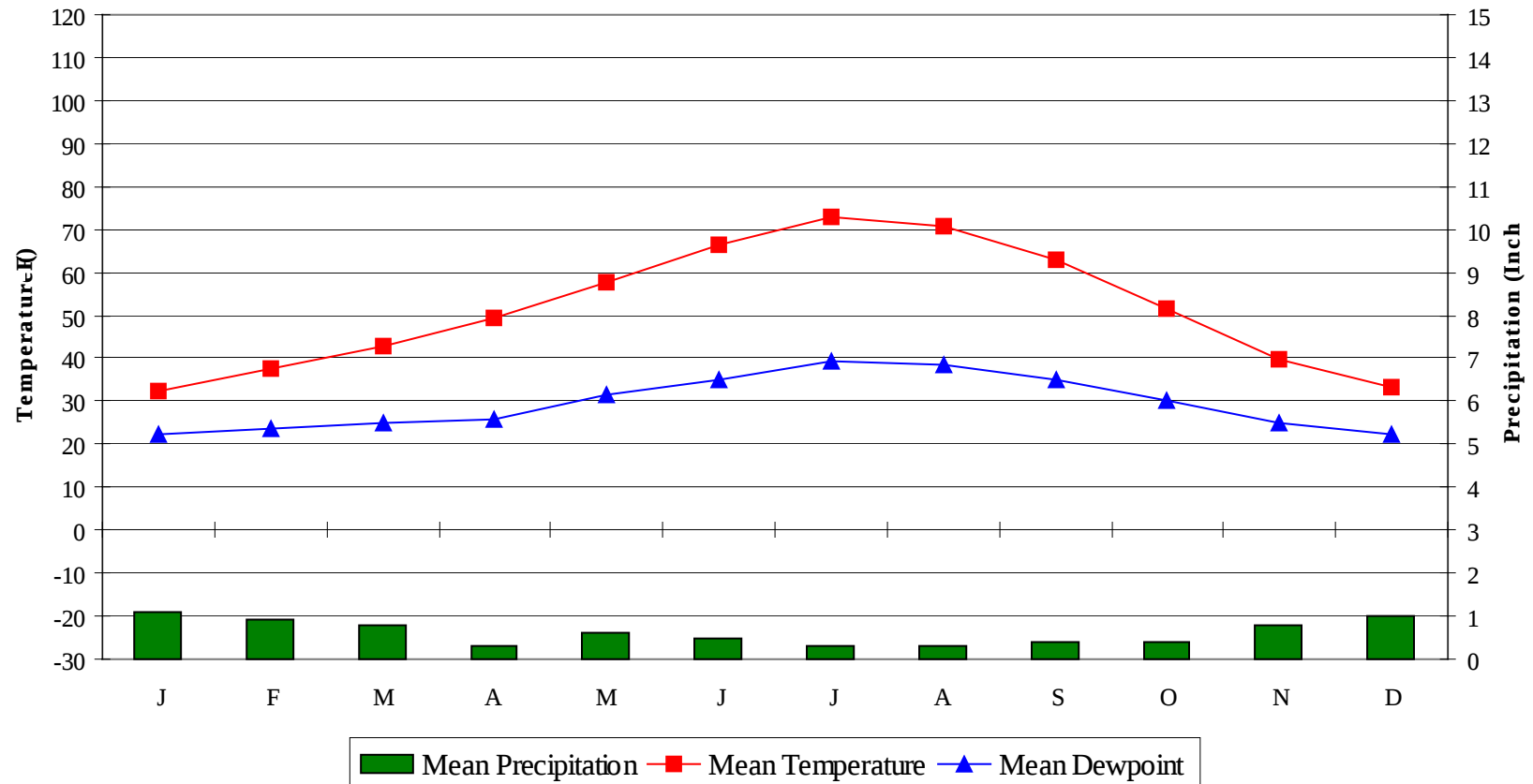
*Note: Temperatures at greater depths can be estimated by adding 1.5°F per 100 feet additional depth.

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Average Annual Climate

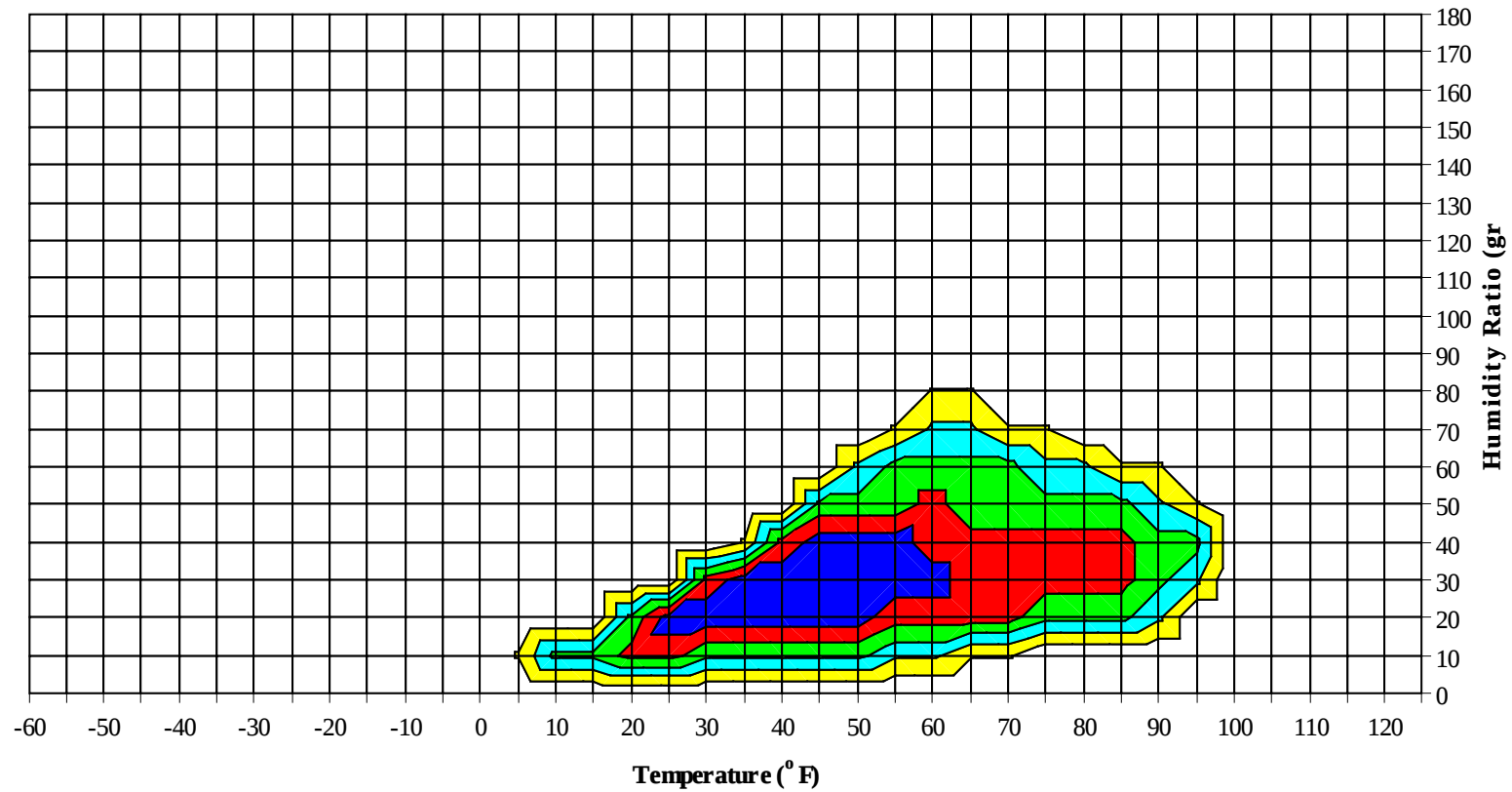


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Long Term Psychrometric Summary



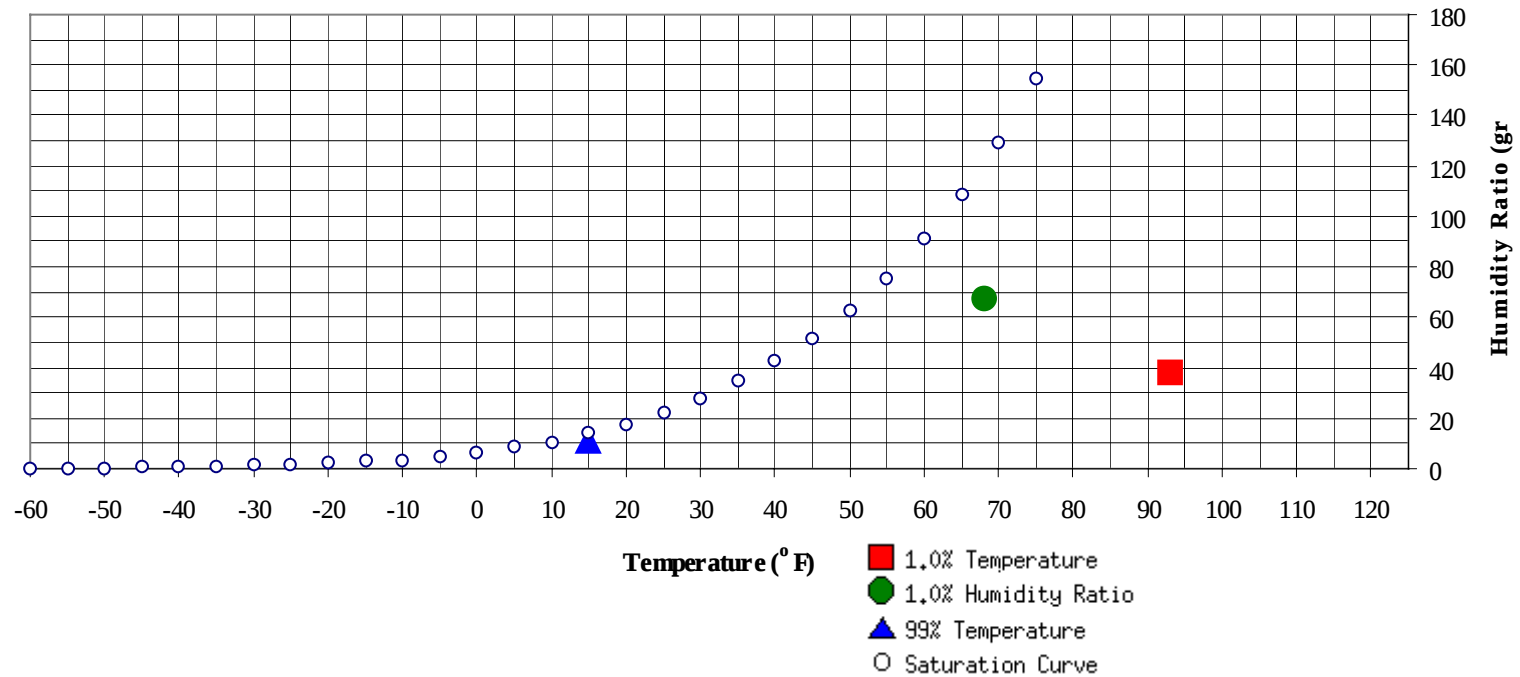
- 50% of all observations
- 80% of all observations
- 95% of all observations
- 97.5% of all observations
- 99% of all observations

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Psychrometric Summary of Peak Design Values



	(°F)	MCHR (gr/lb)	Enthalpy (btu/lb)	1.0% Humidity Ratio	(gr/lb)	MCDB (°F)	MCWB (°F)	MC Dewpt (°F)	Enthalpy (btu/lb)
99% Dry Bulb	15	11.3	5.3		67.2	68	57.9	52	26.8

	(°F)	MCHR (gr/lb)	MCWB (°F)	Enthalpy (btu/lb)
1.0% Dry Bulb	93	37.9	60.1	28.3

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WMO No. 724880

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		
100 / 104															
95 / 99															
90 / 94															
85 / 89															
80 / 84															
75 / 79												1		1	50.7
70 / 74							1	0	1	50.5		4	1	5	48.1
65 / 69		0		0	45.4		5	1	5	47.2		12	4	16	46.5
60 / 64	0	3	0	3	44.7		13	3	16	44.6		25	9	34	44.6
55 / 59	1	10	2	13	42.7	0	23	9	32	42.4	1	38	20	59	42.5
50 / 54	2	22	6	31	40.4	3	30	19	52	40.2	8	46	35	89	40.6
45 / 49	4	30	17	52	38.1	8	37	30	75	38.0	19	44	46	109	38.1
40 / 44	11	42	28	81	35.4	19	41	43	103	35.5	38	39	50	127	35.5
35 / 39	21	47	45	113	32.5	29	34	48	111	32.3	55	26	44	126	32.3
30 / 34	43	45	67	155	29.1	56	22	41	120	28.9	66	10	29	105	28.9
25 / 29	57	27	47	131	25.1	54	12	18	84	24.8	42	1	8	51	25.0
20 / 24	57	13	21	91	20.9	37	3	8	48	20.6	17	0	1	19	20.7
15 / 19	31	5	8	44	16.3	12	1	2	15	16.2	3		0	3	16.1
10 / 14	12	2	4	17	11.5	4	1	1	5	11.2	1		0	1	11.5
5 / 9	6	1	2	8	6.5	1	0	0	2	6.9					
0 / 4	3	0	1	4	1.5	0	0	0	1	1.5					
-5 / -1	1	0	0	1	-2.2	0	0	0	1	-2.7					
-10 / -6	0			0	-5.7	0	0	0	1	-7.3					
-15 / -11						1			1	-11.5					
-20 / -16						0			0	-15.0					

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		
100 / 104												0		0	64.3
95 / 99							0		0	60.5		3	0	3	61.1
90 / 94							1	0	2	58.6		19	5	24	59.2
85 / 89		0	0	0	57.0		8	1	9	56.8		32	11	44	57.5
80 / 84		4	1	5	52.8		22	6	28	54.8	0	46	22	68	55.5
75 / 79		12	3	15	51.1	0	31	14	44	53.0	1	48	30	79	53.8
70 / 74	0	21	7	28	49.2	1	41	22	64	50.9	7	37	39	83	52.3
65 / 69	0	31	14	45	47.2	4	42	33	79	48.9	19	24	39	82	50.5
60 / 64	1	39	24	64	45.2	12	37	41	90	47.0	35	16	38	90	48.7
55 / 59	7	39	35	81	43.0	30	29	42	100	44.9	51	8	28	86	46.8
50 / 54	21	38	43	102	40.7	48	19	38	105	42.7	57	4	17	77	44.2
45 / 49	39	31	42	112	38.2	58	12	28	98	39.9	42	2	6	51	41.0
40 / 44	51	16	38	105	35.2	49	5	15	69	36.7	22	1	2	25	37.4
35 / 39	53	7	22	82	32.1	33	1	7	41	33.4	7	0	0	7	33.8
30 / 34	44	2	9	55	28.6	13	0	1	14	30.3	1			1	30.3
25 / 29	19	0	2	21	24.9	1		0	1	26.0					
20 / 24	4		0	4	21.1	0			0	21.0					
15 / 19	0			0	17.3										
10 / 14															
5 / 9															
0 / 4															
-5 / -1															
-10 / -6															
-15 / -11															
-20 / -16															

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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		
100 / 104		2	0	2	61.8		1		1	62.1					
95 / 99		18	3	21	61.3		13	2	15	60.8		1	0	1	58.7
90 / 94		51	16	66	60.0		42	10	52	59.4		11	2	13	58.4
85 / 89		54	28	82	58.5		55	22	77	58.0		34	7	41	57.0
80 / 84	0	55	40	95	56.9	0	53	36	89	56.6		42	16	58	55.4
75 / 79	4	36	46	86	55.6	2	40	42	84	55.1	0	40	25	65	53.7
70 / 74	19	19	46	84	54.4	11	25	46	81	53.8	1	36	31	68	52.0
65 / 69	36	8	35	79	52.9	27	12	38	78	52.5	5	31	35	70	50.4
60 / 64	60	3	22	86	51.2	50	6	29	84	50.7	17	23	40	80	48.9
55 / 59	60	1	9	70	48.4	59	2	16	77	48.2	37	14	36	87	46.9
50 / 54	42	0	3	46	45.2	56	0	6	62	45.1	59	6	27	92	44.3
45 / 49	20		1	21	41.3	30	0	1	31	42.1	61	2	15	78	41.4
40 / 44	6		0	6	37.8	10	0	0	10	38.7	39	1	5	45	38.0
35 / 39	1			1	34.2	2			2	34.4	16	0	1	17	34.2
30 / 34											5		0	5	30.6
25 / 29											1			1	26.7
20 / 24															
15 / 19															
10 / 14															
5 / 9															
0 / 4															
-5 / -1															
-10 / -6															
-15 / -11															
-20 / -16															

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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		
100 / 104															
95 / 99															
90 / 94		0		0	59.0										
85 / 89		5	0	5	55.6										
80 / 84		14	2	16	54.2										
75 / 79		23	5	28	52.3		0		0	53.5					
70 / 74		33	11	45	50.3		4		4	49.8					
65 / 69	0	37	17	54	48.4		11	1	12	47.7		1		1	44.7
60 / 64	2	35	29	67	46.7	0	23	4	27	45.8		5	0	6	45.4
55 / 59	8	34	35	78	44.8	3	29	13	45	43.4	1	12	2	16	43.5
50 / 54	19	30	44	93	42.6	8	34	24	66	41.2	7	24	11	42	41.1
45 / 49	41	20	43	104	40.0	13	41	35	90	38.6	10	37	17	65	38.4
40 / 44	60	11	33	104	36.9	21	40	43	103	35.8	13	45	29	86	35.6
35 / 39	56	4	19	79	33.3	34	29	47	111	32.4	21	45	47	112	32.4
30 / 34	40	1	8	49	29.5	57	18	44	119	28.9	37	38	57	132	28.8
25 / 29	17		2	19	25.3	55	6	20	81	24.9	50	23	47	119	24.9
20 / 24	4		0	4	21.2	33	2	7	41	20.7	52	10	24	86	20.8
15 / 19	0			0	16.5	12	0	2	14	16.1	33	3	8	45	16.2
10 / 14						4	0	1	4	11.4	15	2	4	21	11.5
5 / 9						1		0	1	7.3	5	1	2	8	6.8
0 / 4								0	0		2	0	1	4	1.8
-5 / -1											1	0	1	1	-2.8
-10 / -6											1	0	0	1	-7.1
-15 / -11											0			0	-11.0
-20 / -16															

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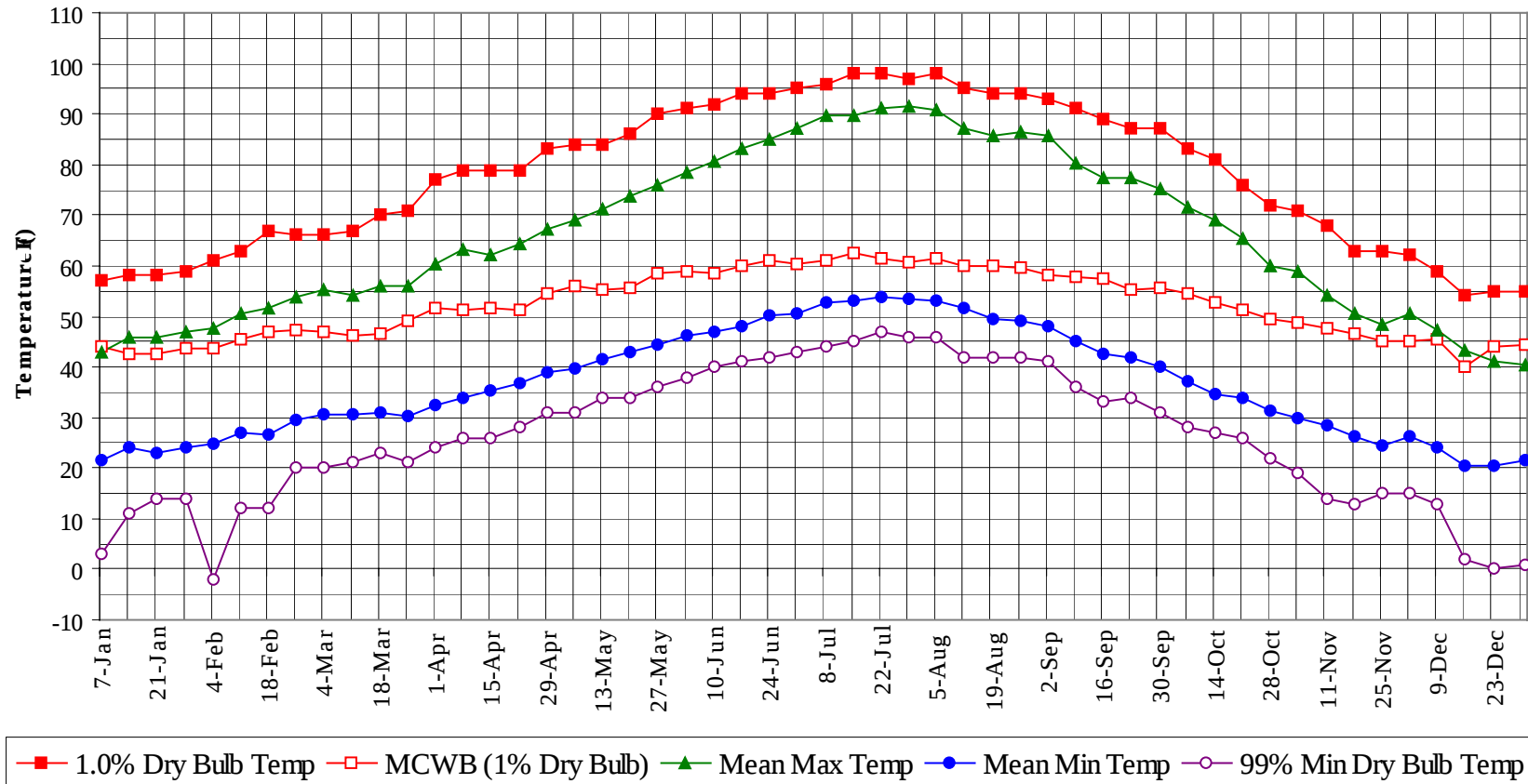
Dry-Bulb Temperature Hours For An Average Year (Sheet 5 of 5)

Period of Record = 1973 to 1996

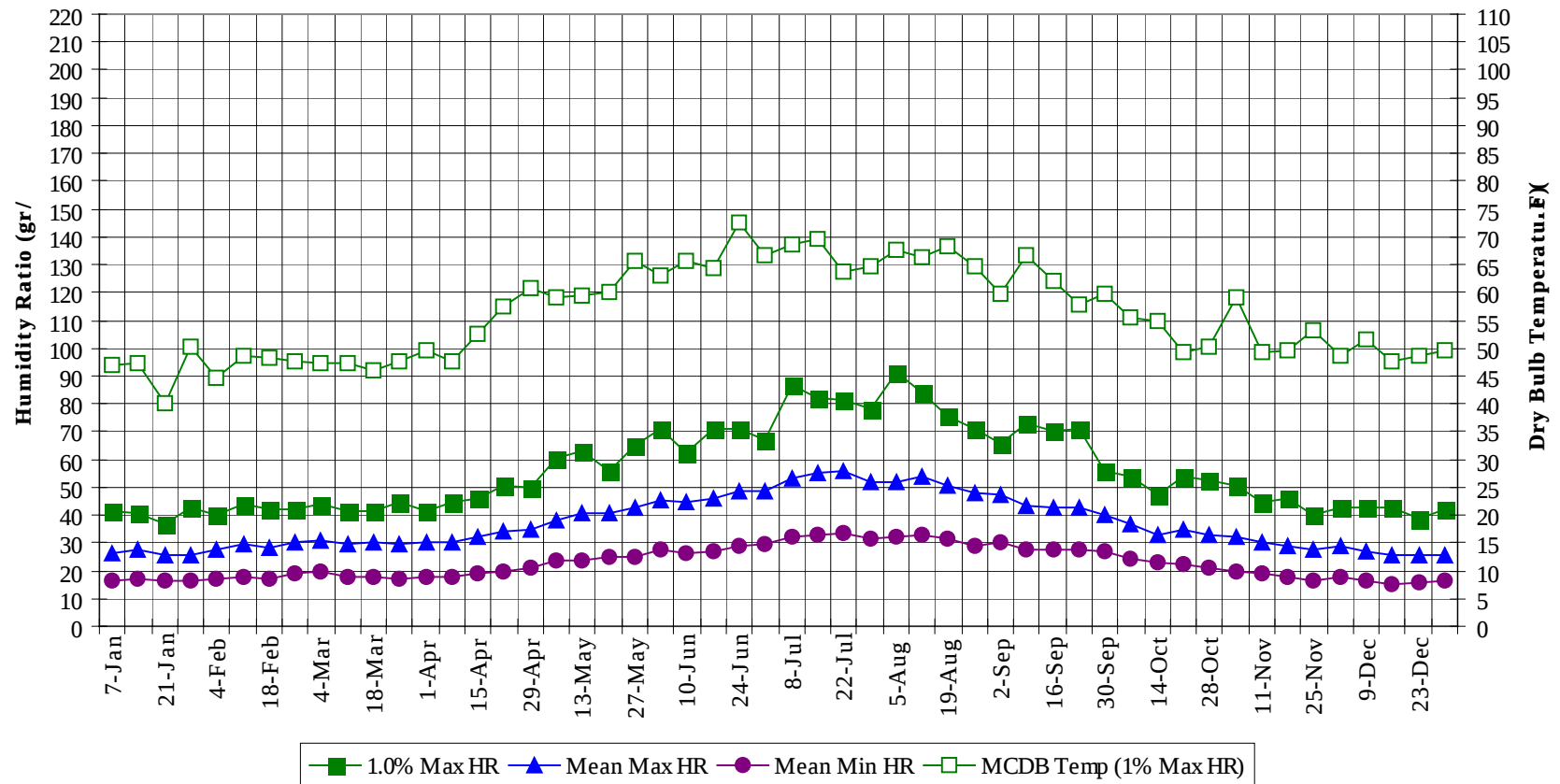
Annual Totals					
Temperature Range (°F)	Hour Group (LST)			Total Obs	M C W B (°F)
	01 To 08	09 To 16	17 To 00		
100 / 104		3	0	3	62.0
95 / 99		35	5	40	61.0
90 / 94		123	33	156	59.5
85 / 89		187	70	257	57.8
80 / 84	0	236	122	359	56.0
75 / 79	8	229	165	401	54.1
70 / 74	39	222	203	464	52.2
65 / 69	91	214	217	521	50.2
60 / 64	178	228	238	645	48.0
55 / 59	258	237	248	744	45.3
50 / 54	328	254	273	855	42.4
45 / 49	345	257	282	884	39.3
40 / 44	338	241	287	865	36.0
35 / 39	327	194	282	802	32.6
30 / 34	362	137	257	755	29.0
25 / 29	296	69	144	509	25.0
20 / 24	204	28	61	293	20.8
15 / 19	91	10	21	122	16.2
10 / 14	35	5	9	49	11.5
5 / 9	13	2	4	20	6.7
0 / 4	6	1	2	9	1.6
-5 / -1	2	0	1	3	-2.6
-10 / -6	2	0	1	2	-7.1
-15 / -11	1			1	-11.4
-20 / -16	0			0	-15.0

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Annual Summary of Temperatures



Long Term Humidity and Dry Bulb Temperature Summary



RENO/CANNON INTL NV

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Long Term Dry Bulb Temperature and Humidity Summary

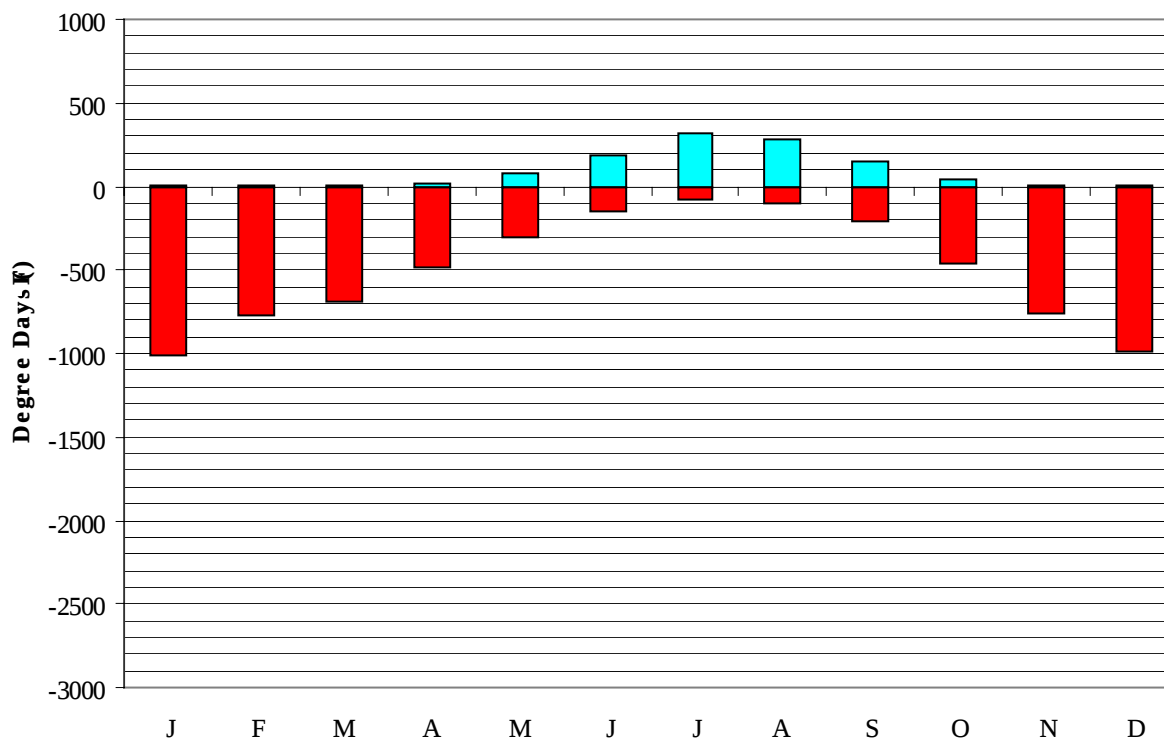
Week Ending	1.0% Temp (°F)	MCWB @ 1% Temp (°F)	Mean Max Temp (°F)	Mean Min Temp (°F)	99% Temp (°F)	1.0% HR (gr/lb)	MCDB @ 1% HR (°F)	Mean Max HR (gr/lb)	Mean Min HR (gr/lb)
7-Jan	57.0	43.9	42.9	21.7	3.0	41.3	46.8	26.4	16.5
14-Jan	58.0	42.5	45.8	23.9	11.0	40.6	47.4	27.6	17.4
21-Jan	58.0	42.6	45.8	23.0	14.0	37.1	40.1	25.8	16.3
28-Jan	59.0	43.7	46.7	24.1	14.0	42.7	50.4	25.4	16.2
4-Feb	61.0	43.6	47.7	24.8	-2.0	39.9	44.6	27.5	17.4
11-Feb	63.0	45.5	50.6	27.1	12.0	44.1	48.7	29.5	17.8
18-Feb	67.0	47.1	51.8	26.5	12.0	42.0	48.2	28.0	17.4
25-Feb	66.0	47.3	53.6	29.4	20.0	42.0	47.6	29.9	19.3
4-Mar	66.0	47.0	55.4	30.7	20.0	44.1	47.3	30.8	19.6
11-Mar	67.0	46.1	54.2	30.7	21.0	41.3	47.3	29.3	17.6
18-Mar	70.0	46.7	56.0	30.8	23.0	41.3	46.0	30.0	18.0
25-Mar	71.0	49.3	55.9	30.3	21.0	44.8	47.7	29.7	17.4
1-Apr	77.0	51.6	60.3	32.6	24.0	41.3	49.5	30.0	18.0
8-Apr	79.0	51.1	63.1	34.0	26.0	44.8	47.5	30.4	17.7
15-Apr	79.0	51.8	62.3	35.4	26.0	46.2	52.5	32.1	19.3
22-Apr	79.0	51.4	64.5	36.7	28.0	50.4	57.6	33.9	19.6
29-Apr	83.0	54.4	67.4	38.8	31.0	49.7	60.6	35.0	20.8
6-May	84.0	55.9	69.2	39.8	31.0	60.2	59.3	37.8	23.4
13-May	84.0	55.3	71.0	41.4	34.0	63.0	59.4	40.5	23.9
20-May	86.0	55.7	73.7	43.0	34.0	56.0	60.0	41.0	25.0
27-May	90.0	58.7	75.8	44.5	36.0	65.1	65.7	42.7	25.1
3-Jun	91.0	59.0	78.5	46.2	38.0	70.7	63.1	45.3	27.8
10-Jun	92.0	58.6	80.6	47.0	40.0	62.3	65.7	44.7	26.2
17-Jun	94.0	60.1	83.2	48.1	41.0	70.7	64.2	46.0	26.9
24-Jun	94.0	60.9	85.0	50.2	42.0	70.7	72.6	48.4	28.6
1-Jul	95.0	60.3	87.1	50.7	43.0	67.2	66.6	48.9	29.6
8-Jul	96.0	61.1	89.6	52.7	44.0	86.8	68.7	53.3	32.3
15-Jul	98.0	62.3	89.5	53.2	45.0	81.9	69.7	55.2	33.0
22-Jul	98.0	61.3	91.3	53.7	47.0	81.2	63.5	56.0	33.5
29-Jul	97.0	60.8	91.5	53.6	46.0	78.4	64.6	52.1	31.5
5-Aug	98.0	61.6	90.7	53.0	46.0	91.0	67.5	51.8	32.2
12-Aug	95.0	60.1	87.0	51.5	42.0	84.0	66.4	54.0	33.1
19-Aug	94.0	59.8	85.6	49.6	42.0	75.6	68.1	50.7	31.4
26-Aug	94.0	59.6	86.4	49.1	42.0	70.7	64.6	47.8	28.9
2-Sep	93.0	58.3	85.9	48.1	41.0	65.8	59.8	47.2	29.9
9-Sep	91.0	57.8	80.1	45.1	36.0	72.8	66.6	43.5	27.6
16-Sep	89.0	57.4	77.3	42.6	33.0	70.0	62.2	42.7	27.5
23-Sep	87.0	55.2	77.4	42.0	34.0	70.7	57.9	42.5	27.6
30-Sep	87.0	55.7	75.1	40.1	31.0	56.0	59.7	40.1	26.9
7-Oct	83.0	54.5	71.5	37.2	28.0	53.9	55.4	36.8	24.6
14-Oct	81.0	52.9	69.2	34.5	27.0	47.6	54.8	32.8	22.8
21-Oct	76.0	51.2	65.4	33.7	26.0	53.9	49.4	34.7	22.6
28-Oct	72.0	49.3	59.8	31.5	22.0	52.5	50.2	32.8	21.0
4-Nov	71.0	48.6	59.0	29.9	19.0	50.4	59.2	32.1	19.5
11-Nov	68.0	47.5	54.3	28.4	14.0	44.8	49.4	30.4	19.2
18-Nov	63.0	46.6	50.5	26.4	13.0	46.2	49.7	29.2	18.0
25-Nov	63.0	45.3	48.2	24.3	15.0	39.9	53.1	27.3	16.7
2-Dec	62.0	45.1	50.5	26.1	15.0	42.7	48.5	28.6	17.7
9-Dec	59.0	45.6	47.4	24.2	13.0	42.7	51.5	26.8	16.5
16-Dec	54.0	40.2	43.3	20.6	2.0	42.7	47.6	25.6	15.2
23-Dec	55.0	44.1	41.0	20.3	0.0	38.5	48.7	25.3	15.8
31-Dec	55.0	44.5	40.5	21.4	1.0	42.0	49.5	25.8	16.3

RENO/CANNON INTL

NV

WMO No. 724880

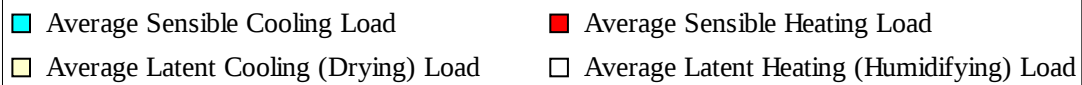
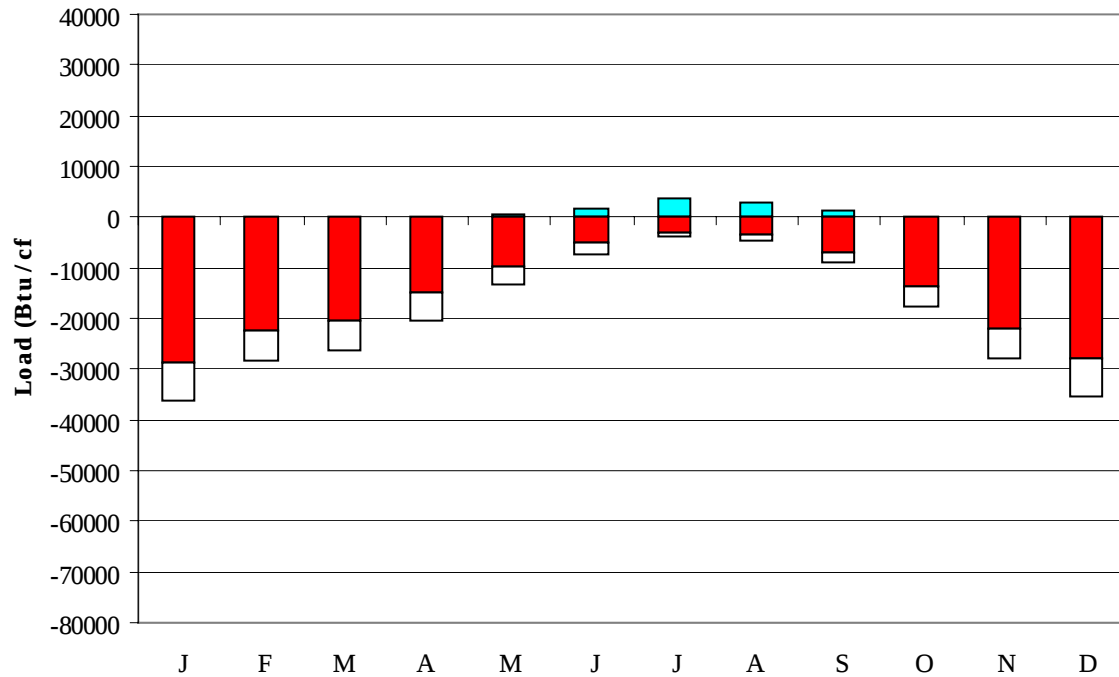
Degree Days, Heating and Cooling
(Base 65°F)



■ Mean Cooling Degree Days
 ■ Mean Heating Degree Days

	Mean Cooling Degree Days (°F)	Mean Heating Degree Days (°F)
JAN	0	1013
FEB	1	771
MAR	3	690
APR	22	488
MAY	75	309
JUN	185	149
JUL	317	78
AUG	280	102
SEP	148	215
OCT	45	457
NOV	2	756
DEC	0	986
ANN	1077	6014

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	-28658	0	-7356
FEB	0	-22173	0	-6191
MAR	1	-20252	0	-6041
APR	65	-14751	0	-5544
MAY	427	-9803	0	-3318
JUN	1672	-5076	0	-2109
JUL	3602	-2852	2	-1076
AUG	3072	-3603	3	-1141
SEP	1305	-6976	0	-1987
OCT	221	-13875	0	-3839
NOV	0	-21893	0	-5935
DEC	0	-27955	0	-7302
ANN	10365	-177867	5	-51839

Average Annual Solar Radiation – Nearest Available Site

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

City: RENO
 State: NV
 WBAN No: 23185
 Lat(N): 39.5
 Long(W): 119.78
 Elev(ft): 4400

Stn Type: Secondary
 SHADING GEOMETRY IN DIMENSIONLESS UNITS

Window: 1
 Overhang: 0.519
 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	730	1020	1430	1870	2210	2420	2480	2200	1810	1310	820	650	1580
	Std Dev	61	102	123	151	147	140	92	132	121	63	75	64	43
	Minimum	630	830	1130	1550	1900	2130	2290	1900	1480	1190	670	500	1460
	Maximum	860	1260	1710	2180	2410	2650	2680	2380	2030	1410	970	790	1670
	Diffuse	300	390	510	630	670	640	530	500	400	340	310	260	460
Clear Day	Global	960	1330	1830	2330	2670	2790	2710	2420	1980	1460	1030	860	1870
NORTH	Global	200	270	350	450	590	690	650	490	360	290	220	180	400
	Diffuse	200	270	350	440	500	510	490	440	360	290	220	180	350
Clear Day	Global	180	230	310	420	600	730	670	480	340	260	190	160	380
EAST	Global	510	690	920	1160	1330	1420	1470	1360	1170	900	570	470	1000
	Diffuse	250	330	440	540	600	600	580	540	450	360	270	230	430
Clear Day	Global	750	960	1230	1450	1560	1590	1560	1470	1280	1020	790	690	1200
SOUTH	Global	1260	1350	1320	1170	960	860	930	1150	1460	1600	1310	1240	1220
	Diffuse	370	440	510	550	560	540	520	510	480	440	380	340	470
Clear Day	Global	2060	2080	1890	1450	1080	920	980	1270	1690	1990	2040	2010	1620
WEST	Global	520	670	890	1100	1230	1300	1370	1260	1130	870	570	480	950
	Diffuse	260	340	450	550	610	610	580	540	450	360	280	230	440
Clear Day	Global	750	960	1230	1450	1560	1590	1560	1470	1280	1020	790	690	1200

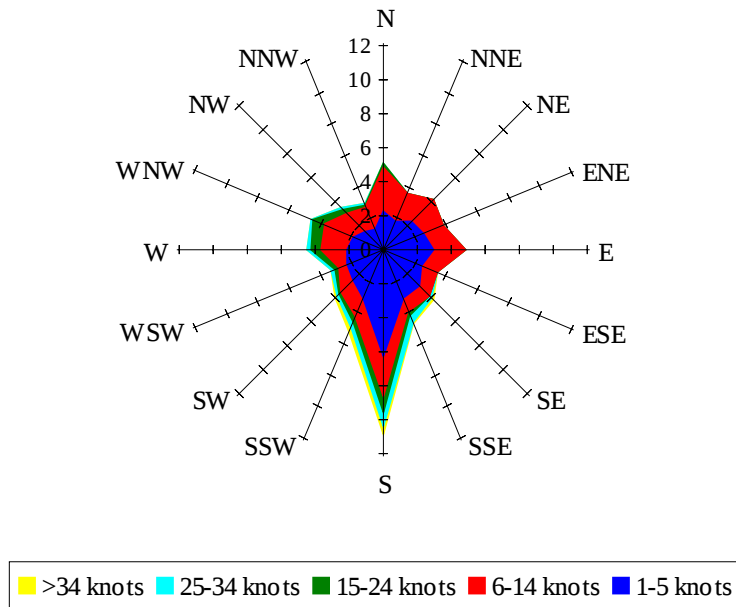
Average Annual Solar Heat and Illumination – Nearest Available Site

(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	470	690	1010	1350	1620	1770	1830	1610	1300	900	540	410	1130
NORTH	Unshaded	140	190	240	310	380	430	400	320	250	200	150	130	260
	Shaded	130	170	220	280	340	390	370	290	230	180	140	110	240
EAST	Unshaded	350	490	660	830	950	1020	1050	980	840	640	400	320	710
	Shaded	320	440	580	730	820	870	910	850	740	570	360	290	620
SOUTH	Unshaded	950	990	910	750	570	490	530	700	970	1150	980	940	830
	Shaded	930	920	720	480	350	340	330	390	680	1020	950	920	670
WEST	Unshaded	360	470	630	780	880	930	980	900	800	610	400	330	670
	Shaded	330	420	560	680	760	800	840	780	710	550	360	300	590

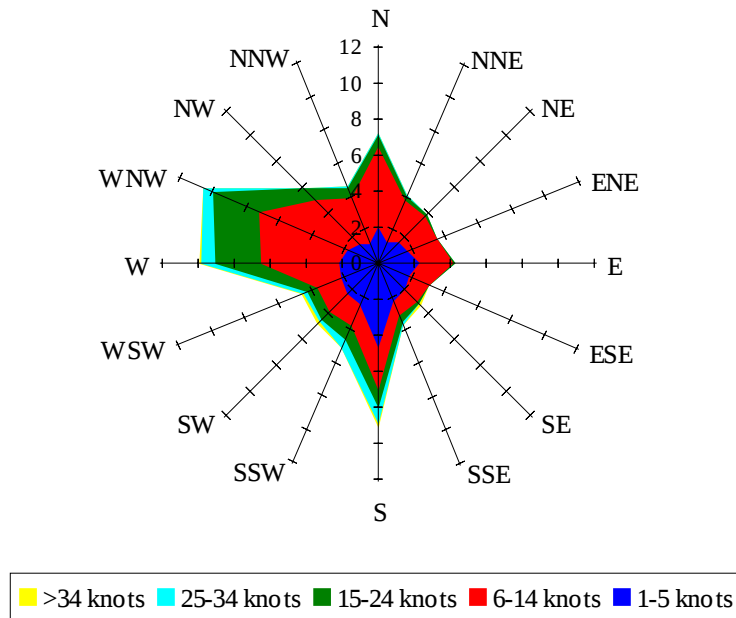
AVERAGE INCIDENT ILLUMINANCE (klux-hr) FOR MOSTLY CLEAR AND MOSTLY CLOUDY CONDITIONS, Percentage Uncertainty = 9		March					June				
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	44	75	83	66	28	52	88	104	98	71
	M.Cloudy	29	53	60	46	18	39	67	82	76	50
NORTH	M.Clear	10	14	15	13	8	18	15	16	16	14
	M.Cloudy	10	15	16	14	7	16	17	18	18	15
EAST	M.Clear	81	56	15	13	8	86	73	29	16	14
	M.Cloudy	41	38	16	14	7	54	54	27	18	15
SOUTH	M.Clear	44	75	83	66	27	11	32	46	41	19
	M.Cloudy	25	48	56	42	15	12	28	40	35	17
WEST	M.Clear	10	14	25	70	72	11	15	16	54	84
	M.Cloudy	10	15	22	44	33	12	17	18	44	53
M.Clear	(% hrs)	38	36	34	31	31	67	66	61	54	51
		Sept					Dec				
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	32	71	89	81	50	17	43	48	30	2
	M.Cloudy	22	50	68	60	33	11	29	32	20	2
NORTH	M.Clear	8	13	15	14	11	6	10	10	8	1
	M.Cloudy	8	14	17	16	11	5	10	11	8	1
EAST	M.Clear	78	73	26	14	11	49	40	10	8	1
	M.Cloudy	38	47	24	16	11	18	22	11	8	1
SOUTH	M.Clear	24	61	78	70	40	46	87	94	67	7
	M.Cloudy	15	41	59	50	25	17	41	45	30	3
WEST	M.Clear	8	13	15	56	83	6	10	24	53	10
	M.Cloudy	8	14	17	41	44	5	10	17	25	4
M.Clear	(% hrs)	75	74	71	69	67	34	36	37	35	38

Wind Summary - December, January, and February **Labels of Percent Frequency on North Axis**



Percent Calm = 28.49

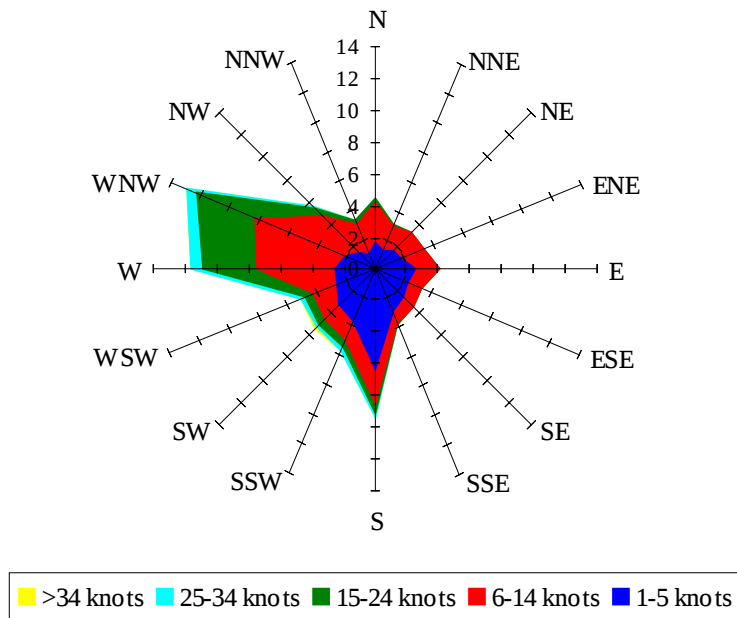
Wind Summary - March, April, and May **Labels of Percent Frequency on North Axis**



Percent Calm = 13.88

Wind Summary - June, July, and August

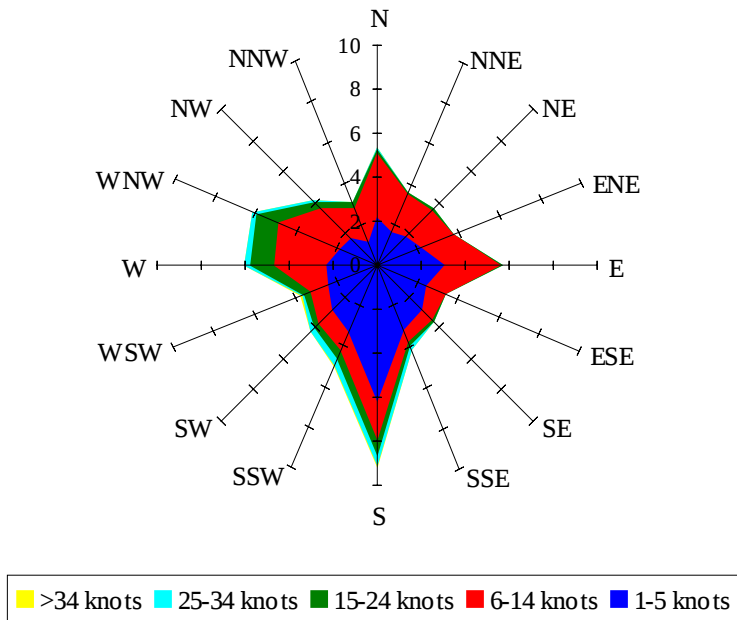
Labels of Percent Frequency on North Axis



Percent Calm = 13.26

Wind Summary - September, October, and November

Labels of Percent Frequency on North Axis



Percent Calm = 26.04