

BURNS MUNI, OR	Station ID = ICAO_KBNO
Latitude = 43.59 N	Elevation = 4148 Feet
Longitude = 118.96 W	Average Pressure = 25.80 inches Hg
Period of Record = 1988 To 2017	

Design Criteria Data

	Mean Coincident (Average) Values				
Dry Bulb Temperature (T)	Design Value (°F)	Wet Bulb Temperature (°F)	Humidity Ratio (gr/lb)	Wind Speed (mph)	Prevailing Direction (NSEW)
Median of Extreme Highs	99	62	39	8.2	VRB
0.4% Occurrence	93	60	36	7.7	VRB
1.0% Occurrence	91	59	38	7.9	VRB
2.0% Occurrence	88	58	37	7.8	VRB
Mean Daily Range	27	-	-	-	W
97.5% Occurrence	10	9	9	3.2	W
99.0% Occurrence	3	2	6	3	W
99.6% Occurrence	-3	-4	4	2.5	W
Median of Extreme Lows	-9	-9	3	2.7	W

	Design Value (°F)	Dry Bulb Temperature (°F)	Humidity Ratio (gr/lb)	Wind Speed (mph)	Prevailing Direction (NSEW)
Wet Bulb Temperature (T _{wb})					
Median of Extreme Highs	66	87	75	8	VRB
0.4% Occurrence	63	85	61	7.5	VRB
1.0% Occurrence	61	85	52	7.4	VRB
2.0% Occurrence	60	84	49	7.3	VRB

	Design Value (gr/lb)	Dry Bulb Temperature (°F)	Vapor Pressure (in. Hg)	Wind Speed (mph)	Prevailing Direction (NSEW)
Humidity Ratio (HR)					
Median of Extreme Highs	91	74	0.52	7.1	-
0.4% Occurrence	76	70	0.44	6.8	W
1.0% Occurrence	67	66	0.39	6.3	VRB
2.0% Occurrence	62	65	0.36	6.3	W

Air Conditioning/ Humid Area Criteria	Threshold	T ≥ 93 °F	T ≥ 80 °F	Twb ≥ 73 °F	Twb ≥ 67 °F
	# of Hours	48	513	24	28

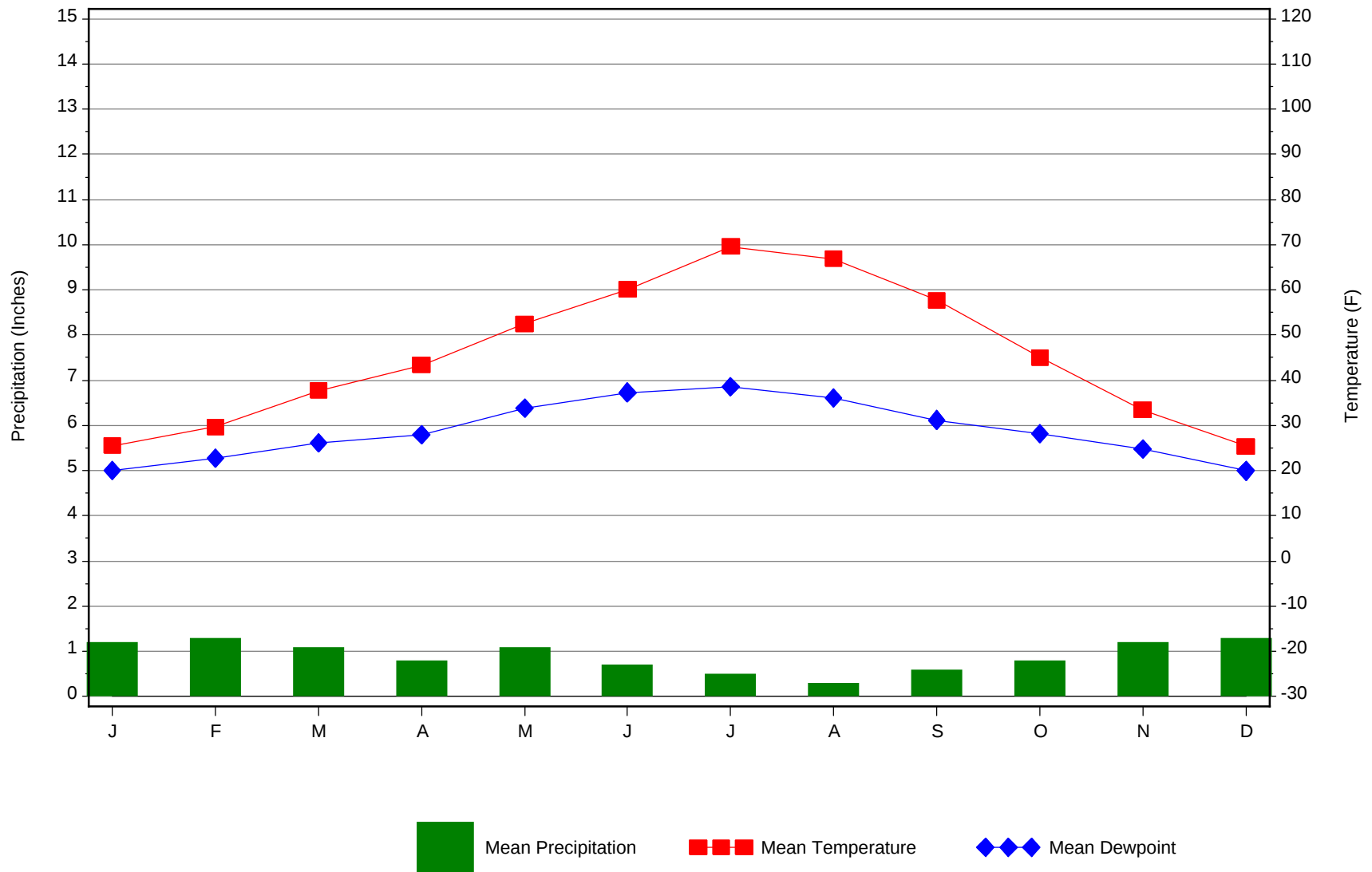
Other Site Data

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	1.3	85	0.0 + 0.6
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 (#)
48.3	N/A	N/A	142

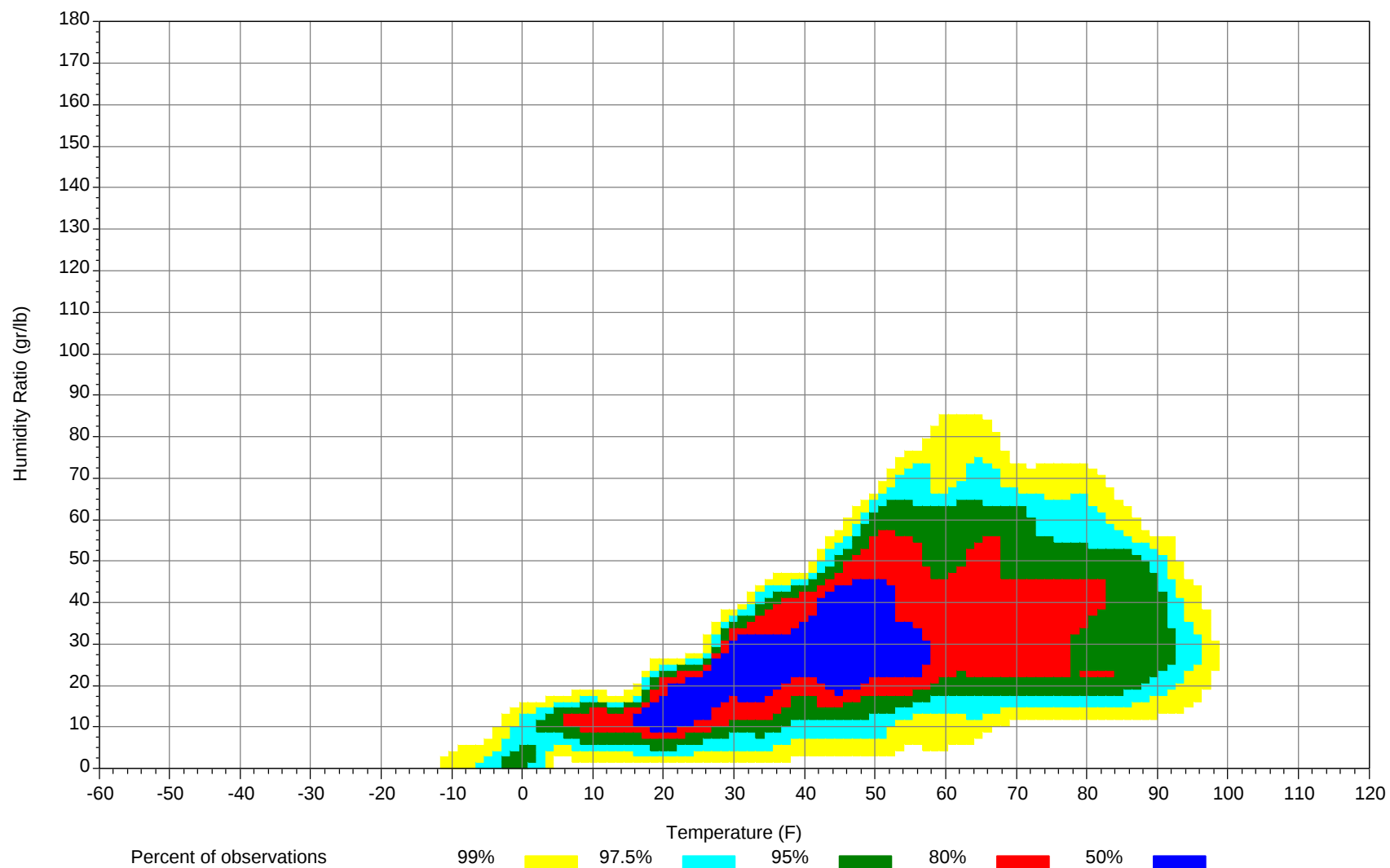
*Note: Temperatures at greater depths can be estimated by adding 1.5° F per 100 feet additional depth.



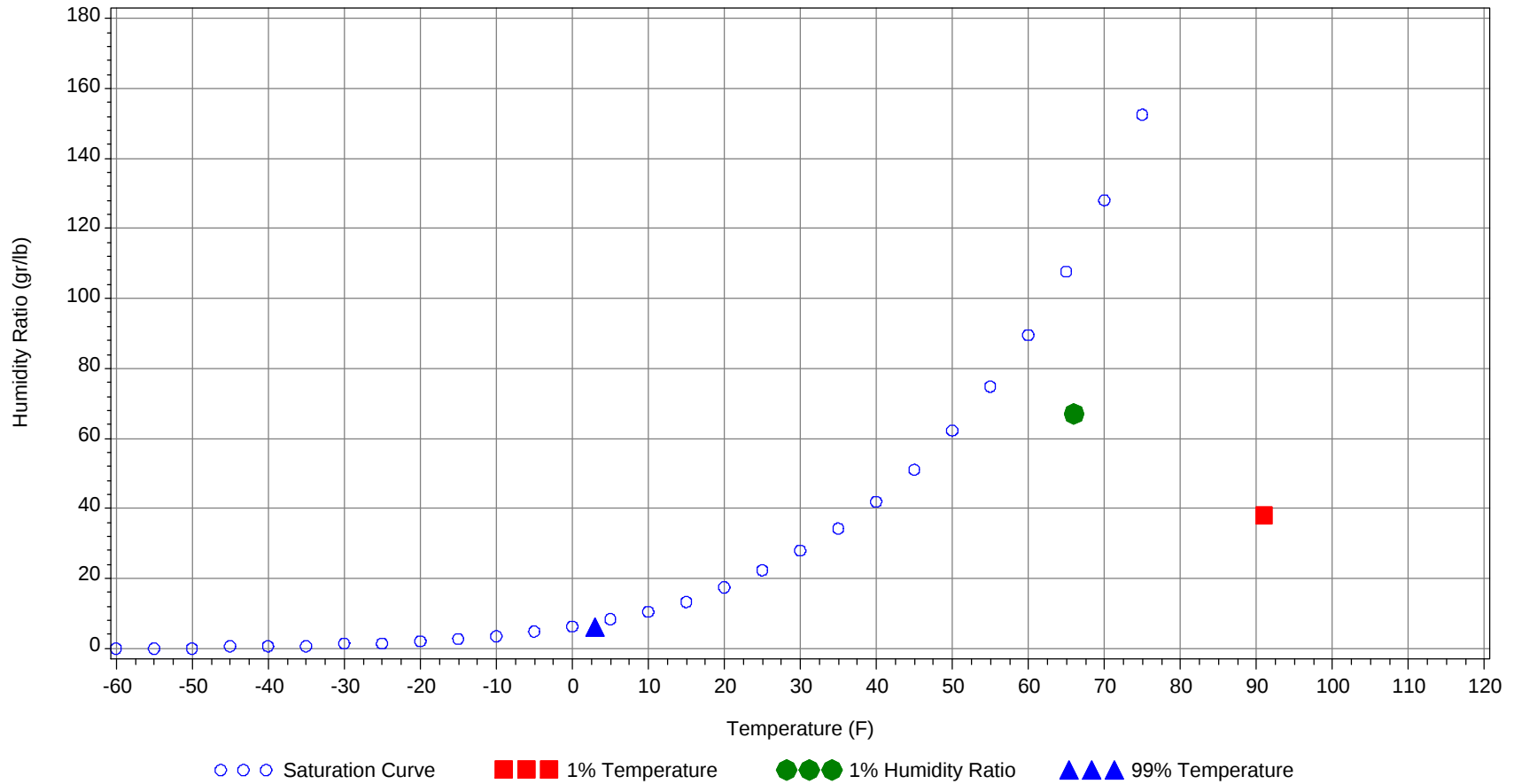
Average Annual Climate



Long Term Psychrometric Summary



Psychrometric Summary of Peak Design Values



	(° F) / (gr/lb)	MCDB (° F)	MCWB (° F)	MCDP (° F)	MCHR (gr/lb)	Enthalpy (btu/lb)
1.0% Dry Bulb	91.0		59		38.0	28.0
99.0% Dry Bulb	3.0				6.0	1.6
1.0% Humidity Ratio	67.0	66.0	57	51.8		26.1

Dry-Bulb Temperature Hours For An Average Year

Temperature Range (°F)	January					February					March				
	01 To 08 LST	09 To 16 LST	17 to 00 LST	Total Obs	M C W B (°F)	01 To 08 LST	09 To 16 LST	17 to 00 LST	Total Obs	M C W B (°F)	01 To 08 LST	09 To 16 LST	17 to 00 LST	Total Obs	M C W B (°F)
105/109															
100/104															
95/ 99															
90/ 94															
85/ 89															
80/ 84															
75/ 79												0		0	53
70/ 74												1	0	1	49.5
65/ 69							0	0	0	47.4		4	1	5	47.1
60/ 64							2	0	2	46.9		13	3	16	45.6
55/ 59		0		0	45.4		2	1	3	44.8	0	22	6	28	43.5
50/ 54	0	2	0	2	43.7	0	7	1	8	42.2	1	35	15	51	41.7
45/ 49	0	9	1	10	39.4	0	21	7	28	39.3	7	52	31	90	39
40/ 44	2	20	3	25	36.6	3	27	13	43	36.7	14	40	33	87	36.5
35/ 39	17	58	31	106	33.8	21	66	43	130	33.4	45	49	62	156	33.4
30/ 34	45	62	62	169	30.1	51	49	59	159	29.8	74	24	55	153	29.6
25/ 29	50	43	56	149	25.2	53	28	51	132	25.1	63	7	30	100	25.1
20/ 24	32	20	31	83	20.7	29	10	20	59	20.5	22	1	8	31	20.7
15/ 19	40	18	28	86	16.4	34	6	17	57	16.5	16	0	4	20	16.9
10/ 14	24	8	14	46	11.2	16	3	6	25	11.1	5	0	0	5	11.8
5/ 9	14	5	9	28	6.4	8	1	3	12	6.4	0	0	0	0	7.7
0/ 4	11	2	7	20	1.1	5	1	2	8	1.3	0	0	0	0	-1
-5/ -1	4	1	2	7	-3.4	1	0	1	2	-3.7	0	0	0	0	-5
-10/ -6	6	0	3	9	-7.7	1	0	1	2	-8.1	0	0		0	-7
-15/-11	2	0	1	3	-12.2	1	0	1	2	-12.3	0			0	-13.3
-20/-16	1		0	1	-15.9	1		0	1	-16.6					
-25/-21	0		0	0	-22	0			0	-22					
-30/-26															

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.

Dry-Bulb Temperature Hours For An Average Year

	April					May					June				
Temperature Range (°F)	01 To 08 LST	09 To 16 LST	17 to 00 LST	Total Obs	M C W B (°F)	01 To 08 LST	09 To 16 LST	17 to 00 LST	Total Obs	M C W B (°F)	01 To 08 LST	09 To 16 LST	17 to 00 LST	Total Obs	M C W B (°F)
105/109															
100/104												0		0	62
95/ 99												1	0	1	62
90/ 94							0	0	0	59.1		6	2	8	60.6
85/ 89							2	0	2	57.4	0	11	4	15	58.8
80/ 84		0	0	0	54		10	3	13	56	0	29	12	41	56.9
75/ 79		4	1	5	51.9	0	19	6	25	54.2	1	37	18	56	54.8
70/ 74		10	3	13	50.4	1	31	13	45	52	4	44	23	71	53
65/ 69	0	12	4	16	48.3	2	29	14	45	50	8	30	22	60	51.2
60/ 64	0	28	10	38	46.3	7	44	26	77	48.3	19	36	38	93	49.9
55/ 59	2	32	15	49	43.9	16	41	34	91	46.2	34	24	39	97	47.7
50/ 54	6	42	28	76	41.7	32	38	44	114	44.2	50	14	38	102	45.6
45/ 49	24	56	44	124	39.2	57	25	48	130	41.1	58	7	26	91	41.9
40/ 44	33	28	37	98	36.8	44	6	27	77	38	30	1	10	41	38.4
35/ 39	58	22	48	128	33.5	51	3	23	77	34.3	25	0	7	32	35
30/ 34	55	5	32	92	29.5	26	0	8	34	29.6	9		1	10	30.4
25/ 29	43	0	14	57	25.1	10		2	12	25.2	2		0	2	26.7
20/ 24	12		3	15	20.7	2		0	2	20.7					
15/ 19	6		1	7	17	1			1	16.9					
10/ 14	0		0	0	11.8										
5/ 9															
0/ 4															
-5/ -1															
-10/ -6															
-15/-11															
-20/-16															
-25/-21															
-30/-26															

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Dry-Bulb Temperature Hours For An Average Year

	July					August					September				
Temperature Range (°F)	01 To 08 LST	09 To 16 LST	17 to 00 LST	Total Obs	M C W B (°F)	01 To 08 LST	09 To 16 LST	17 to 00 LST	Total Obs	M C W B (°F)	01 To 08 LST	09 To 16 LST	17 to 00 LST	Total Obs	M C W B (°F)
105/109		0		0	62.4										
100/104		2	0	2	63.5		0		0	62		0		0	61
95/ 99		9	2	11	61.3		6	1	7	61.4		1	0	1	59.9
90/ 94	0	41	15	56	59.7	0	30	9	39	59.5		5	1	6	57.4
85/ 89	0	39	16	55	58.5	0	36	12	48	57.7		14	2	16	56.4
80/ 84	1	56	28	85	57.4	0	59	24	83	56.2		36	8	44	55
75/ 79	5	44	29	78	55.6	1	46	25	72	54.7	0	39	12	51	53.6
70/ 74	17	30	38	85	54.1	9	37	35	81	53.1	1	41	19	61	51.4
65/ 69	20	13	31	64	52.2	13	15	28	56	51.2	3	26	18	47	49.4
60/ 64	44	9	42	95	50.7	36	12	47	95	49.6	9	33	35	77	47.8
55/ 59	51	4	25	80	48	46	5	32	83	46.9	21	24	38	83	45.4
50/ 54	55	1	14	70	45.5	56	2	21	79	44.4	36	13	41	90	43.1
45/ 49	36	0	6	42	41.6	51	0	9	60	40.7	56	5	35	96	39.7
40/ 44	11		1	12	38.2	20		3	23	37.2	39	1	15	55	36.5
35/ 39	6		0	6	34.8	11		1	12	33.7	45	0	12	57	32.9
30/ 34	1			1	30.4	2		0	2	29.9	19		4	23	29
25/ 29						1			1	25.4	9		1	10	24.7
20/ 24						0			0	21	2		0	2	20.3
15/ 19											0			0	19
10/ 14															
5/ 9															
0/ 4															
-5/ -1															
-10/ -6															
-15/-11															
-20/-16															
-25/-21															
-30/-26															

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Dry-Bulb Temperature Hours For An Average Year

Temperature Range (°F)	October					November					December				
	01 To 08 LST	09 To 16 LST	17 to 00 LST	Total Obs	M C W B (°F)	01 To 08 LST	09 To 16 LST	17 to 00 LST	Total Obs	M C W B (°F)	01 To 08 LST	09 To 16 LST	17 to 00 LST	Total Obs	M C W B (°F)
105/109															
100/104															
95/ 99															
90/ 94		0		0	56.3										
85/ 89		1	0	1	55.8										
80/ 84		4	0	4	54.2										
75/ 79		10	1	11	52.1										
70/ 74	0	19	3	22	50.5		0		0	48.8					
65/ 69	0	20	4	24	48.5		1		1	50.4					
60/ 64	1	41	11	53	46.5		6	0	6	47.9					
55/ 59	2	41	19	62	44.4	0	13	1	14	45.4		0		0	42.3
50/ 54	9	42	31	82	42.5	1	23	5	29	43.6	0	3	0	3	43.7
45/ 49	25	37	46	108	40	8	44	18	70	40.2	2	10	3	15	40.7
40/ 44	30	16	36	82	37.2	11	35	24	70	37.2	5	18	6	29	37.4
35/ 39	52	11	46	109	33.4	33	55	46	134	33.9	20	56	27	103	33.9
30/ 34	54	3	31	88	29.2	52	36	59	147	29.7	38	62	51	151	29.9
25/ 29	46	1	16	63	24.8	55	16	44	115	25.2	44	44	53	141	25.1
20/ 24	16	0	3	19	20.5	28	5	20	53	20.4	29	22	34	85	20.7
15/ 19	10	0	1	11	16.4	28	3	13	44	16.5	43	19	35	97	16.4
10/ 14	2	0	0	2	11.5	11	1	5	17	11.1	27	8	17	52	11.1
5/ 9	1	0	0	1	7.1	6	1	3	10	6	19	4	11	34	6.4
0/ 4	0		0	0	0.9	3	1	1	5	1.2	9	2	7	18	1.2
-5/ -1	0			0	-2.8	1	0	1	2	-3.6	5	0	3	8	-3.2
-10/ -6	0			0	-7	1	0	1	2	-7.9	4	0	1	5	-7.5
-15/-11						1		0	1	-12.6	1	0	0	1	-11.8
-20/-16						0			0	-16	1	0	0	1	-17
-25/-21											0		0	0	-21.1
-30/-26											0			0	-25

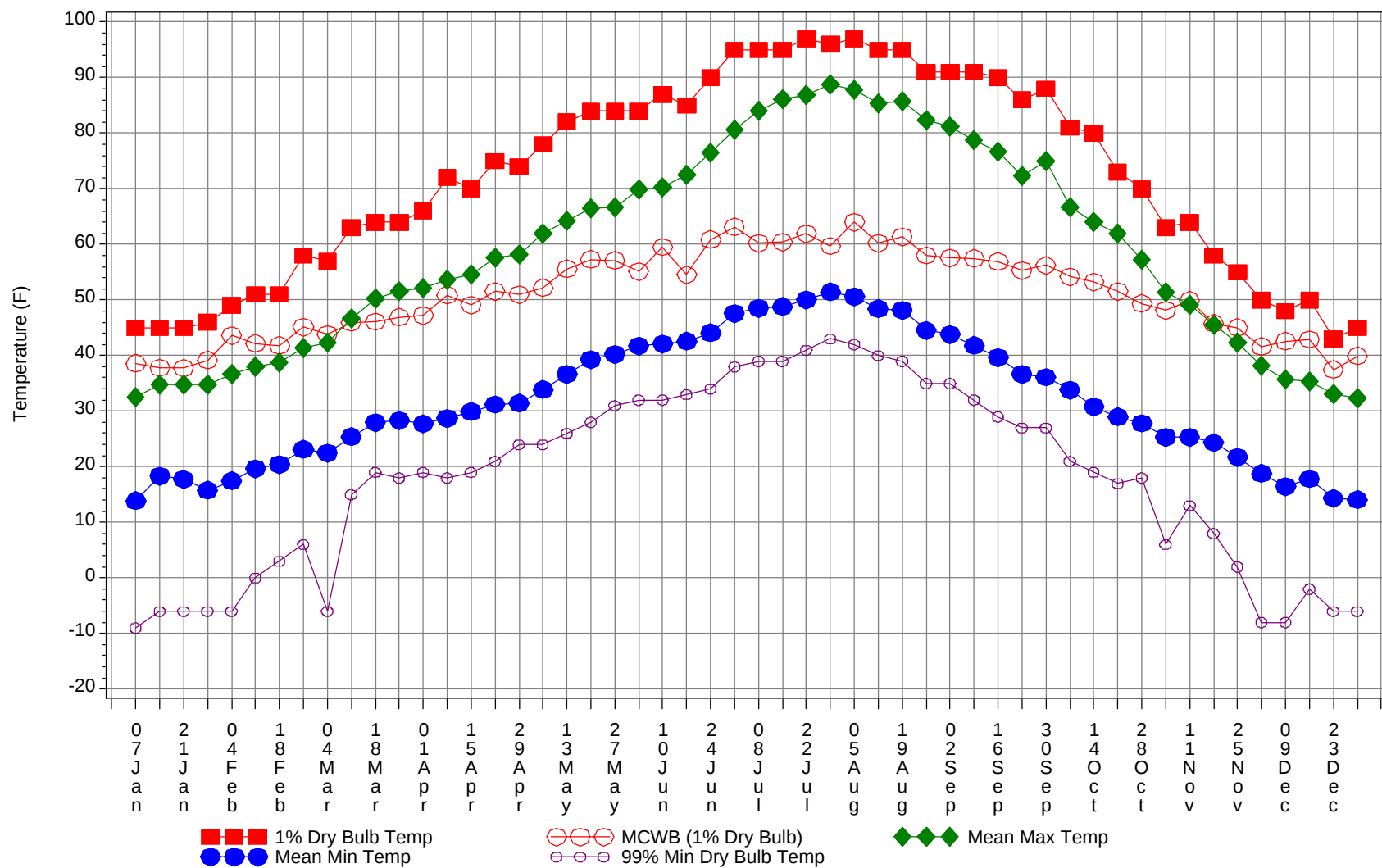
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Dry-Bulb Temperature Hours For An Average Year

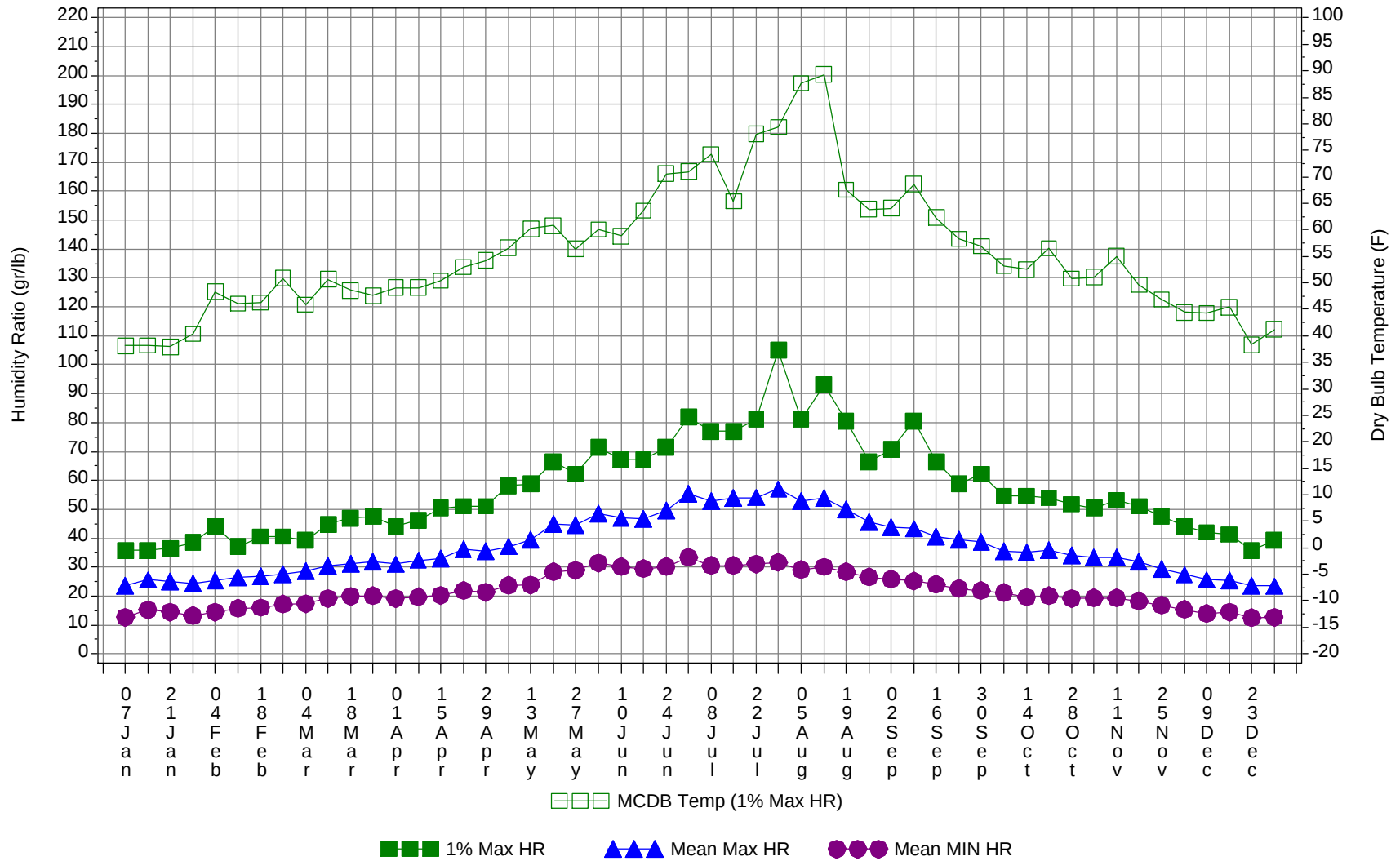
	Annual				
Temperature Range (° F)	01 To 08 LST	09 To 16 LST	17 to 00 LST	Total Obs	M C W B (° F)
105/109		0		0	62.4
100/104		2	0	2	63.4
95/ 99		18	4	22	61.3
90/ 94	0	83	27	110	59.5
85/ 89	0	104	35	139	58
80/ 84	2	196	75	273	56.4
75/ 79	8	200	91	299	54.6
70/ 74	32	216	135	383	52.6
65/ 69	46	152	121	319	50.6
60/ 64	116	226	213	555	48.7
55/ 59	174	210	211	595	46.1
50/ 54	247	221	239	707	43.7
45/ 49	326	266	273	865	40.2
40/ 44	242	192	206	640	37.1
35/ 39	386	319	344	1049	33.7
30/ 34	426	239	360	1025	29.7
25/ 29	373	138	266	777	25.1
20/ 24	171	56	118	345	20.6
15/ 19	177	46	100	323	16.5
10/ 14	85	21	43	149	11.2
5/ 9	49	10	27	86	6.4
0/ 4	28	5	17	50	1.2
-5/ -1	12	2	6	20	-3.4
-10/ -6	12	1	6	19	-7.7
-15/-11	5	0	2	7	-12.2
-20/-16	2	0	1	3	-16.5
-25/-21	1		0	1	-21.3
-30/-26	0			0	-25

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Annual Summary of Temperatures



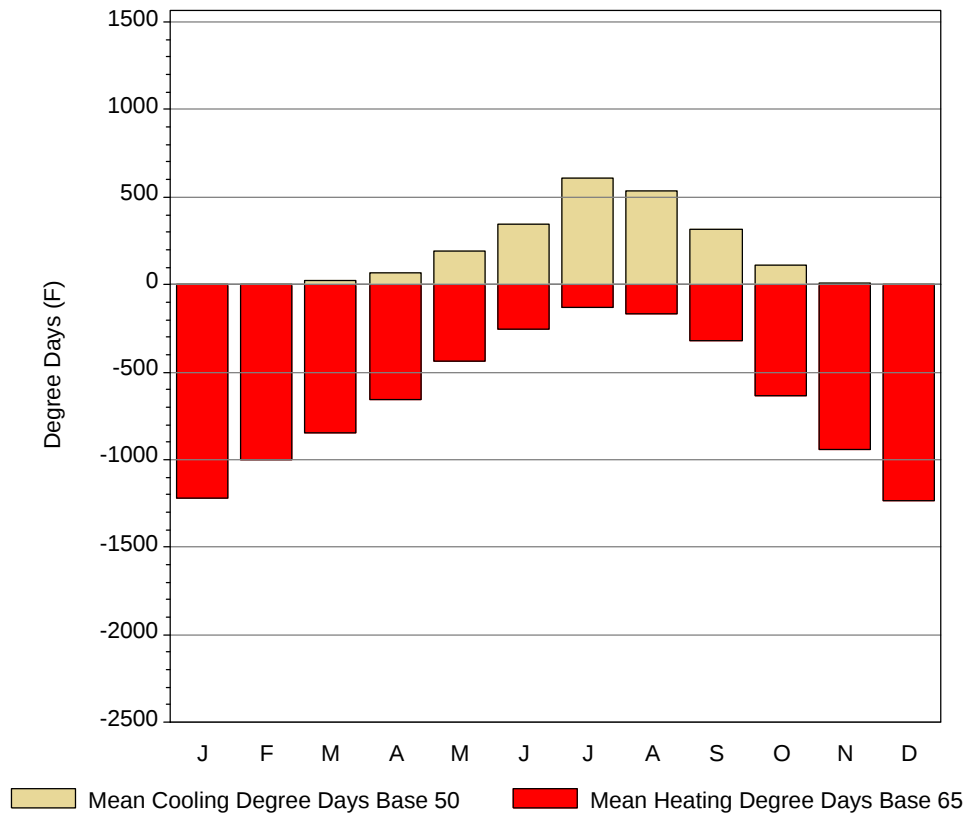
Long Term Humidity and Dry Bulb Temperature Summary



Long Term Humidity and Dry Bulb Temperature Summary

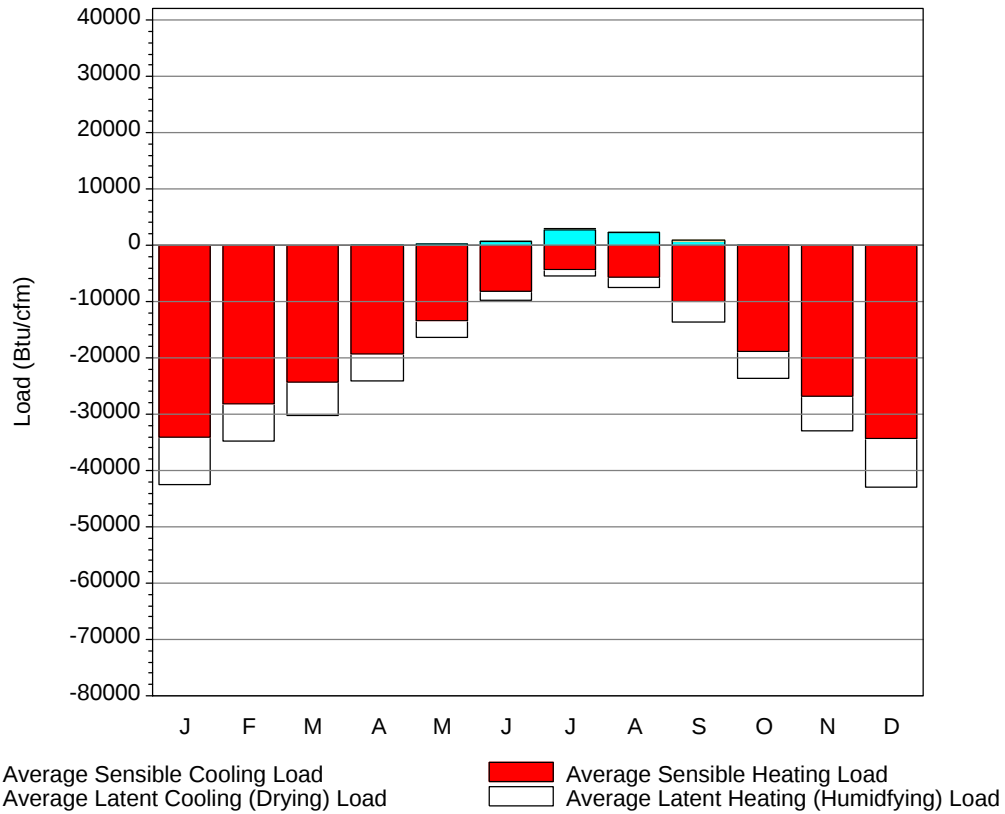
Week Ending	1.0% Temp (° F)	MCWB@ 1% Temp (° F)	Mean Max Temp (° F)	Mean Min Temp (° F)	99% Temp (° F)	1.0% HR (gr/lb)	MCDB@ 1% HR (° F)	Mean Max HR (gr/lb)	Mean Min HR (gr/lb)
7-Jan	45	38.6	32.5	13.9	-9	35.7	38.1	23.6	12.7
14-Jan	45	37.8	34.8	18.3	-6	35.7	38.2	25.6	15.1
21-Jan	45	37.7	34.7	17.7	-6	36.4	37.9	24.9	14.5
28-Jan	46	39.2	34.7	15.8	-6	38.5	40.4	24.3	13.2
4-Feb	49	43.6	36.6	17.5	-6	44.1	48.3	25.3	14.5
11-Feb	51	42.2	37.9	19.6	0	37.1	46.1	26.6	15.7
18-Feb	51	41.8	38.7	20.4	3	40.6	46.3	26.8	16
25-Feb	58	45.1	41.3	23.1	6	40.6	50.9	27.6	17.2
4-Mar	57	43.8	42.3	22.5	-6	39.2	45.9	28.6	17.4
11-Mar	63	46	46.6	25.4	15	44.8	50.7	30.4	19.2
18-Mar	64	46.1	50.2	27.9	19	46.9	48.6	31.1	19.9
25-Mar	64	46.9	51.6	28.3	18	47.6	47.6	31.8	20.1
1-Apr	66	47.2	52.1	27.7	19	44.1	49.1	31	19.2
8-Apr	72	50.9	53.7	28.7	18	46.2	49.1	32.4	19.7
15-Apr	70	49.1	54.6	29.9	19	50.4	50.4	32.9	20.3
22-Apr	75	51.5	57.6	31.2	21	51.1	53	36.1	21.8
29-Apr	74	51	58.2	31.4	24	51.1	54.2	35.4	21.4
6-May	78	52.2	62	33.9	24	58.1	56.6	37.1	23.6
13-May	82	55.6	64.3	36.6	26	58.8	60.2	39.4	23.9
20-May	84	57.3	66.4	39.3	28	66.5	60.8	44.8	28.4
27-May	84	57.1	66.7	40.2	31	62.3	56.4	44.6	28.9
4-Jun	84	55.1	69.8	41.7	32	71.4	60.1	48.5	31.4
10-Jun	87	59.5	70.3	42.1	32	67.2	58.8	46.9	30.2
17-Jun	85	54.5	72.6	42.6	33	67.2	63.6	46.6	29.4
24-Jun	90	60.9	76.5	44.1	34	71.4	70.6	49.6	30.2
1-Jul	95	63.1	80.6	47.6	38	81.9	71	55.5	33.5
8-Jul	95	60.2	84	48.5	39	77	74.3	52.9	30.6
15-Jul	95	60.4	86.2	48.8	39	77	65.4	54	30.6
22-Jul	97	61.9	86.9	50	41	81.2	78.1	54.1	31.1
29-Jul	96	59.7	88.7	51.4	43	105	79.4	57	31.7
5-Aug	97	64	87.9	50.6	42	81.2	87.7	52.8	29.1
12-Aug	95	60.2	85.4	48.4	40	93.1	89.3	53.9	30.1
19-Aug	95	61.3	85.7	48.1	39	80.5	67.6	49.9	28.4
26-Aug	91	58	82.3	44.5	35	66.5	63.9	45.5	26.6
2-Sep	91	57.6	81.2	43.8	35	70.7	64.1	43.7	25.8
9-Sep	91	57.5	78.7	41.8	32	80.5	68.6	43.3	25.2
16-Sep	90	56.9	76.6	39.6	29	66.5	62.3	40.6	24.1
23-Sep	86	55.3	72.3	36.6	27	58.8	58.3	39.4	22.6
30-Sep	88	56.2	74.9	36.1	27	62.3	56.9	38.9	21.8
7-Oct	81	54.2	66.7	33.8	21	54.6	53.2	35.6	21.2
14-Oct	80	53.2	64.1	30.8	19	54.6	52.5	35.2	19.6
21-Oct	73	51.5	61.9	29	17	53.9	56.5	36	20
28-Oct	70	49.4	57.2	27.8	18	51.8	50.8	34.1	19.2
4-Nov	63	48.1	51.3	25.3	6	50.4	51.1	33.2	19.3
11-Nov	64	49.9	49.2	25.3	13	53.2	55	33.4	19.4
18-Nov	58	45.8	45.6	24.3	8	51.1	49.6	31.9	18.2
25-Nov	55	45	42.4	21.7	2	47.6	46.9	29.3	16.8
2-Dec	50	41.6	38.1	18.8	-8	44.1	44.4	27.4	15.3
9-Dec	48	42.6	35.7	16.4	-8	42	44.3	25.6	13.9
16-Dec	50	42.9	35.3	17.8	-2	41.3	45.4	25.5	14.5
23-Dec	43	37.5	33	14.3	-6	35.7	38.3	23.6	12.4
31-Dec	45	39.9	32.4	14.1	-6	39.2	41.2	23.4	12.6

Degree Days, Heating and Cooling (Base 65 F) & Cooling (Base 50F)



Month	Mean Cooling Degree Days (°F) Base 50	Mean Cooling Degree Days (°F) Base 65	Mean Heating Degree Days (°F) Base 65
JAN	0.2	0	1220.9
FEB	2.5	0	998.1
MAR	23	0.5	846.7
APR	66.3	6.8	656.4
MAY	190.8	38.2	439.3
JUN	347.7	104.5	257.6
JUL	610.6	258.8	126.4
AUG	538.6	217.2	168.4
SEP	317.7	102.5	322.6
OCT	109.7	17.6	637.7
NOV	10.3	0.1	944.9
DEC	0.2	0	1234.6
ANN	2217.6	746.2	7853.6

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



Month	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	-34042	0	-8339
FEB	0	-28068	0	-6674
MAR	0	-24347	0	-5818
APR	7	-19264	0	-4768
MAY	173	-13448	0	-2792
JUN	768	-8270	7	-1408
JUL	2852	-4355	78	-1181
AUG	2244	-5601	55	-1894
SEP	806	-10013	20	-3512
OCT	67	-18766	0	-4904
NOV	0	-26822	0	-6127
DEC	0	-34411	0	-8468
ANN	6917	-227407	160	-55885

Station Information		Shading Geometry in Dimensionless Units	
City, State, WBAN	BURNS, OR 94185	Window:	1.000
Lat, Lon, Elev	43.58N 119.05W 4170ft	Overhang:	0.637
Press, Stn_Type	12.7psia Primary	Vert Gap:	0.330

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	560	830	1200	1660	2040	2250	2380	2060	1610	1070	590	470	1400
	Std.Dev.	45	83	94	140	126	134	101	155	119	98	69	49	38
	Minimum	480	690	990	1390	1740	2040	2140	1720	1350	910	450	360	1300
	Maximum	640	1020	1400	1960	2270	2560	2550	2310	1810	1270	750	570	1500
	Diffuse	330	440	570	720	770	740	580	520	430	360	320	270	500
Clear Day	Global	790	1150	1670	2240	2630	2780	2690	2360	1850	1290	850	680	1750
NORTH	Global	190	260	350	460	590	690	640	480	350	260	190	160	390
	Diffuse	190	260	350	450	510	540	490	430	350	260	190	160	350
Clear Day	Global	160	210	290	400	600	730	660	470	320	230	160	140	370
EAST	Global	380	550	800	1060	1250	1360	1440	1300	1060	750	410	330	890
	Diffuse	230	320	430	550	620	630	580	520	430	330	240	200	420
Clear Day	Global	660	880	1180	1450	1600	1640	1610	1490	1260	960	690	580	1170
SOUTH	Global	920	1100	1160	1130	1010	940	1040	1210	1420	1390	920	840	1090
	Diffuse	360	430	510	580	590	580	540	510	470	410	340	310	470
Clear Day	Global	1950	2050	1950	1570	1220	1070	1120	1410	1780	2000	1930	1860	1660
WEST	Global	390	550	760	990	1160	1250	1360	1220	1040	730	410	330	850
	Diffuse	240	320	440	560	630	640	590	530	440	330	240	200	430
Clear Day	Global	660	880	1180	1450	1600	1640	1610	1490	1260	960	690	580	1170

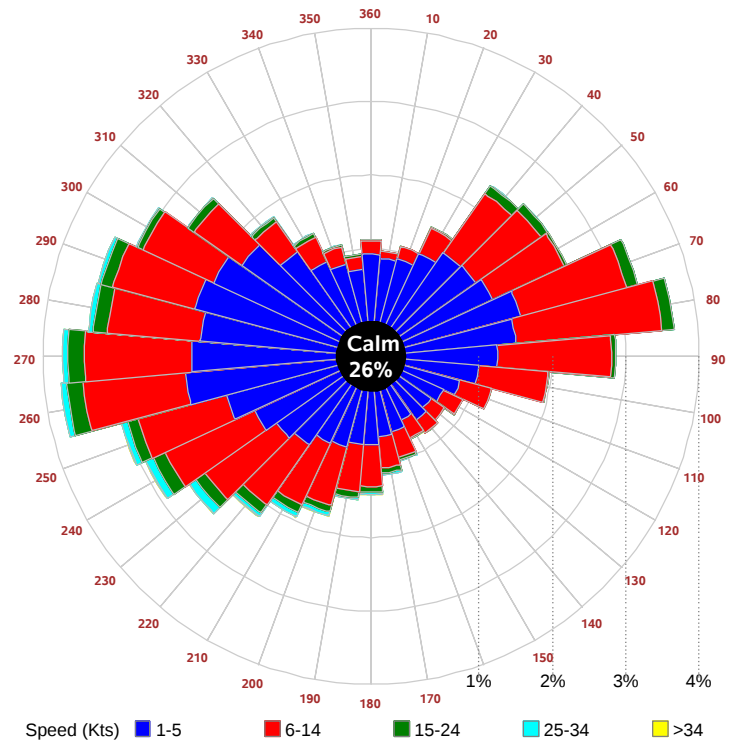
Average Annual Solar Radiation - Nearest Available Site Source: National Renewable Energy Laboratory, Golden CO, 1995

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	360	550	840	1180	1470	1640	1740	1490	1140	730	380	290	990
NORTH	Unshaded	130	180	240	310	390	440	410	310	240	180	130	110	260
	Shaded	110	150	210	270	340	390	360	280	220	160	110	92	220
EAST	Unshaded	260	390	570	760	890	970	1040	930	760	530	280	220	630
	Shaded	230	330	480	630	740	800	850	780	650	460	240	190	530
SOUTH	Unshaded	690	810	820	750	630	570	620	770	970	1010	690	630	750
	Shaded	660	740	620	450	360	350	330	380	640	870	660	610	560
WEST	Unshaded	270	380	540	710	830	890	970	880	740	510	280	220	600
	Shaded	230	330	460	590	680	730	800	730	630	450	250	190	510

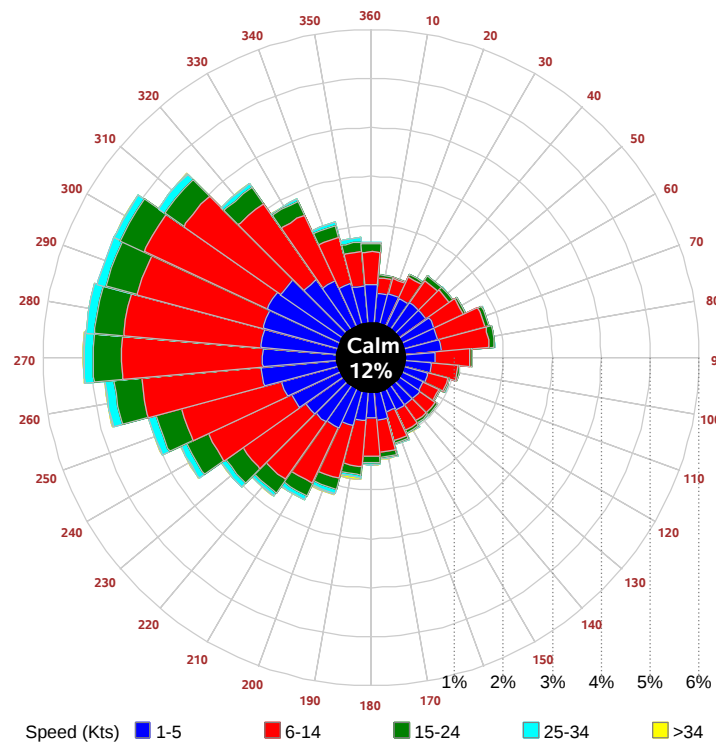
AVERAGE INCIDENT ILLUMINANCE (klux-hr) FOR MOSTLY CLEAR AND MOSTLY CLOUDY CONDITIONS Percentage Uncertainty = 9												
		March					June					
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm	
HORIZ.	M.Clear	40	69	77	59	23	53	87	101	95	68	
	M.Cloudy	26	46	51	40	16	38	63	77	72	47	
NORTH	M.Clear	10	13	14	12	7	14	15	16	16	13	
	M.Cloudy	10	15	17	14	7	14	17	19	18	15	
EAST	M.Clear	76	53	14	12	7	87	72	27	16	13	
	M.Cloudy	32	32	17	14	7	48	49	26	18	15	
SOUTH	M.Clear	45	78	87	67	26	11	38	53	47	22	
	M.Cloudy	22	42	48	36	13	13	30	43	38	19	
WEST	M.Clear	10	13	25	68	64	11	15	16	54	83	
	M.Cloudy	10	15	21	36	25	13	17	19	42	49	
M.Clear	(% hrs)	31	27	24	22	25	52	51	47	39	37	

		Sept					Dec					
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm	
HORIZ.	M.Clear	31	67	82	74	45	12	35	39	22	0	
	M.Cloudy	21	45	59	55	31	8	22	25	14	0	
NORTH	M.Clear	8	13	14	13	10	5	9	10	7	0	
	M.Cloudy	8	14	17	16	10	4	9	10	6	0	
EAST	M.Clear	76	69	24	13	10	37	34	10	7	0	
	M.Cloudy	34	40	22	16	10	11	16	10	6	0	
SOUTH	M.Clear	26	64	81	71	40	36	78	85	56	0	
	M.Cloudy	15	37	54	49	25	11	28	31	19	0	
WEST	M.Clear	8	13	14	55	79	5	9	22	44	0	
	M.Cloudy	8	14	17	39	43	4	9	14	16	0	
M.Clear	(% hrs)	65	65	61	58	57	24	25	26	22	24	

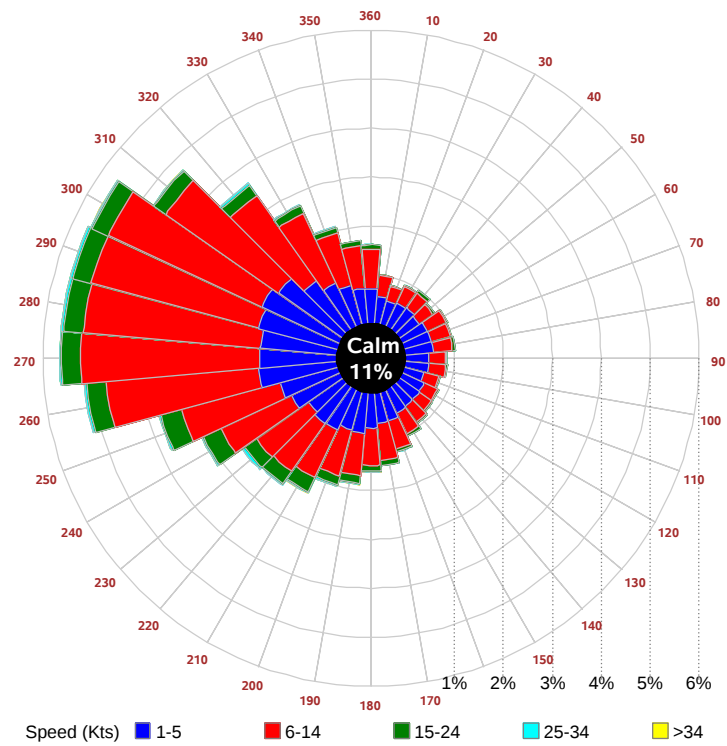
Wind Summary - December, January, and February



Wind Summary - March, April, and May



Wind Summary - June, July, and August



Wind Summary - September, October, and November

