

IDAHO FALLS/FANNING ID

Latitude = 43.52 N

WMO No. 725785

Longitude = 112.00 W

Elevation = 4741 feet

Period of Record = 1973 to 1996

Average Pressure = 25.22 inches Hg

Design Criteria Data

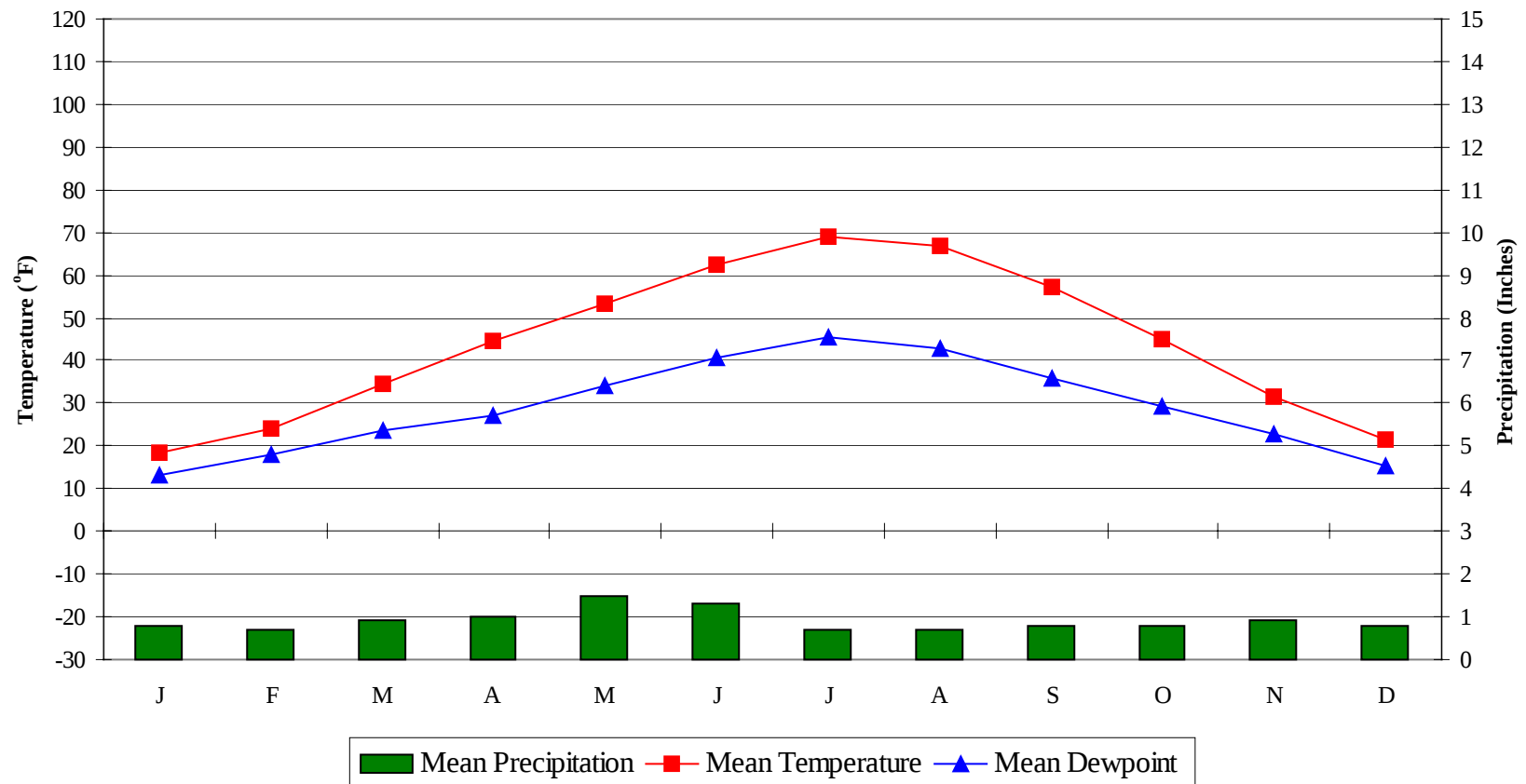
	Design Value	Mean Coincident (Average) Values			
		Wet Bulb Temperature (°F)	Humidity Ratio (gr/lb)	Wind Speed (mph)	Prevailing Direction (NSEW)
Dry Bulb Temperature (T)	(°F)				
Median of Extreme Highs	96	62	44	10.9	S
0.4% Occurrence	91	61	46	11.3	SSW
1.0% Occurrence	89	60	47	11.6	SSW
2.0% Occurrence	86	60	48	11.6	SSW
Mean Daily Range	24	-	-	-	-
97.5% Occurrence	3	2	6	6.8	N
99.0% Occurrence	-4	-5	4	7.0	N
99.6% Occurrence	-11	-11	2	6.8	N
Median of Extreme Lows	-18	-18	1	6.9	N
	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	85	80	9.3	SSW
0.4% Occurrence	64	84	71	10.1	S
1.0% Occurrence	63	83	68	10.3	S
2.0% Occurrence	61	81	61	10.3	SSW
	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	95	72	0.54	7.2	N
0.4% Occurrence	85	70	0.49	7.5	N
1.0% Occurrence	77	69	0.44	7.9	N
2.0% Occurrence	71	69	0.41	8.5	N
Air Conditioning/ Humid Area Criteria	# of Hours	T ≥ 93°F	T ≥ 80°F	T _{wb} ≥ 73°F	T _{wb} ≥ 67°F
		20	477	0	6

Other Site Data

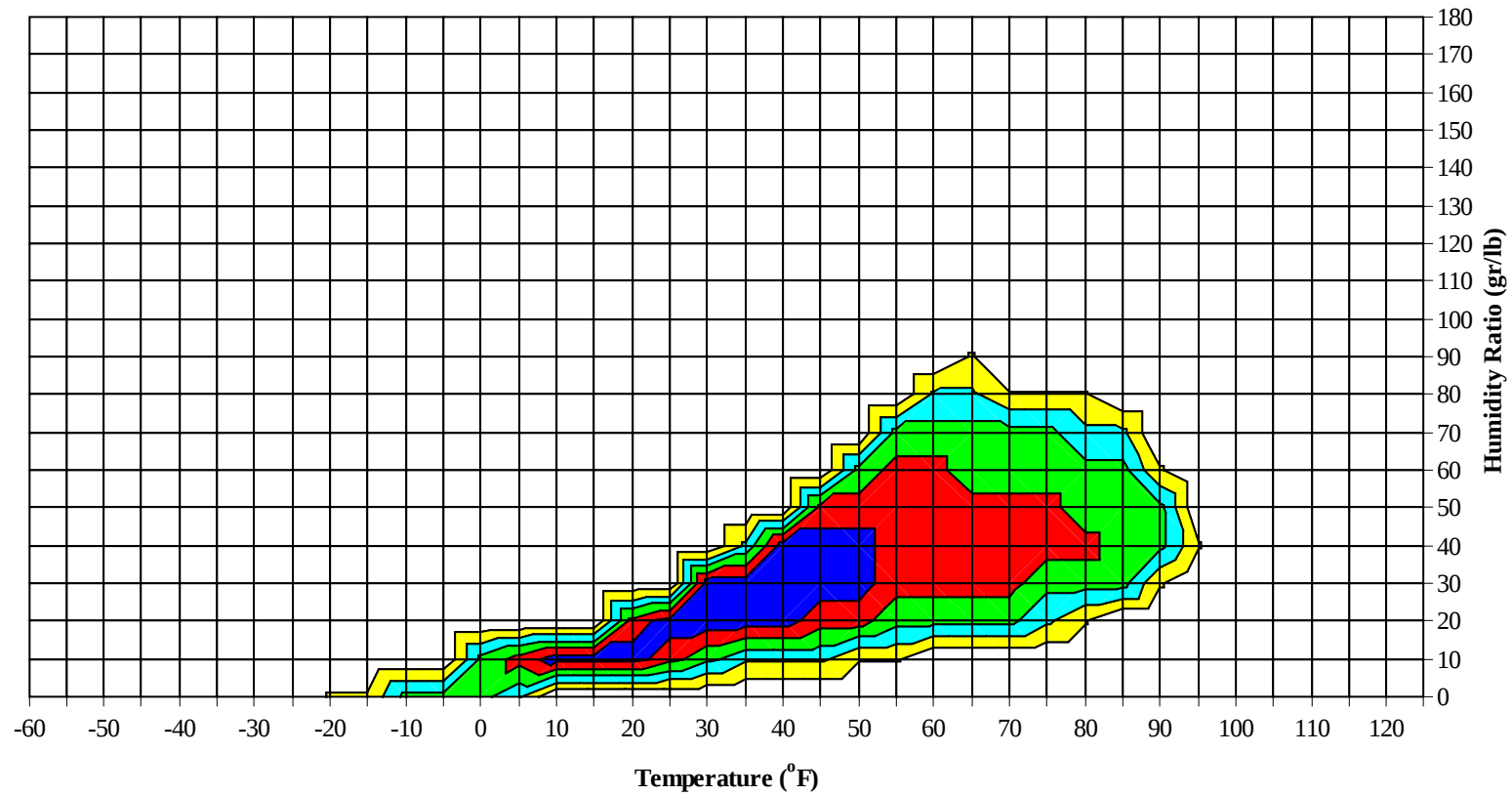
Weather Region	Rain Rate 100 Year Recurrence (in./hr)	Basic Wind Speed 3 sec gust @ 33 ft 50 Year Recurrence (mph)	Ventilation Cooling Load Index (Ton-hr/cfm/yr) Base 75°F-RH 60% Latent + Sensible
5	1.2	90	0.0 + 0.4
Ground Water Temperature (°F) 50 Foot Depth *	Frost Depth 50 Year Recurrence (in.)	Ground Snow Load 50 Year Recurrence (lb/ft ²)	Average Annual Freeze-Thaw Cycles (#)
46.5	N/A	25	101

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

Average Annual Climate

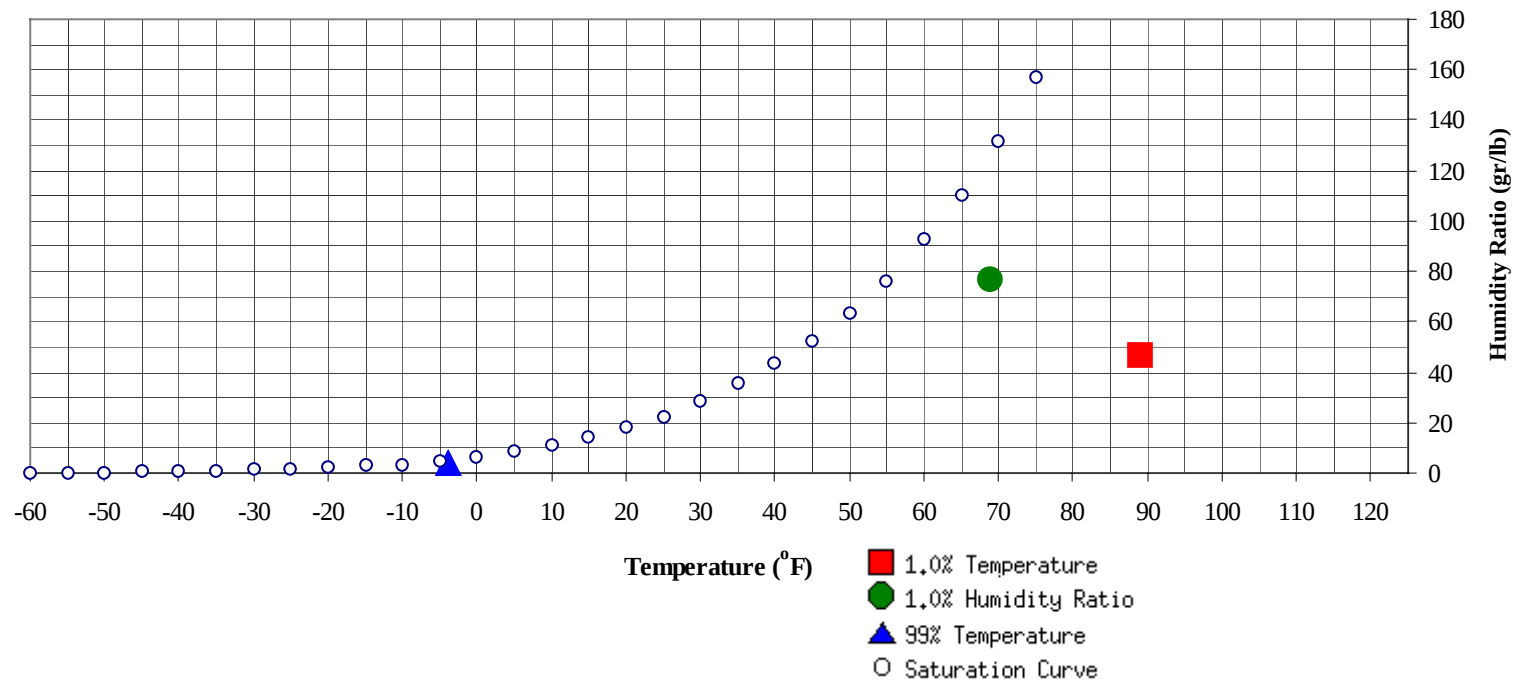


Long Term Psychrometric Summary



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

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)
	-4	3.9	-0.4		77	68.8	59.9	55.1	28.5

1.0% Dry Bulb	(°F)	MCHR (gr/lb)	MCWB (°F)	Enthalpy (btu/lb)
	89	46.8	60.4	28.7

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WMO No. 725785

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															
70 / 74												0	0	0	48.3
65 / 69												1	0	1	47.6
60 / 64												6	2	8	44.5
55 / 59							2	0	2	45.2		11	6	17	42.6
50 / 54		0		0	40.0		3	1	4	42.1	0	20	11	30	40.5
45 / 49		1	0	1	38.5	0	9	3	12	39.2	2	31	20	53	38.2
40 / 44	1	7	2	10	35.7	1	20	10	31	36.4	10	44	40	94	35.7
35 / 39	9	21	16	46	33.3	16	35	29	81	33.4	35	60	59	154	32.7
30 / 34	27	41	38	105	30.0	40	45	51	136	29.7	79	42	61	182	29.3
25 / 29	32	43	41	116	25.4	39	32	41	112	25.1	58	20	30	107	24.9
20 / 24	35	37	36	107	20.7	33	29	29	91	20.5	34	8	11	53	20.2
15 / 19	33	34	34	100	15.9	25	17	19	60	15.8	13	4	5	22	15.4
10 / 14	33	26	27	85	11.1	20	14	15	48	11.1	9	2	3	14	10.7
5 / 9	23	16	23	61	6.1	15	8	11	34	6.1	3	1	1	5	6.4
0 / 4	23	12	15	49	1.3	16	6	8	30	1.3	2	0	0	2	1.4
-5 / -1	10	5	7	22	-2.9	8	2	3	13	-3.0	1		0	1	-3.4
-10 / -6	10	4	6	20	-7.2	4	2	3	9	-7.5	1			1	-7.9
-15 / -11	6	2	3	11	-12.3	3	1	2	6	-12.2	0			0	-11.0
-20 / -16	4	1	2	7	-16.8	2	0	0	2	-16.7					
-25 / -21	1	0	1	2	-21.1	1	0	0	1	-21.6					
-30 / -26	1	0	0	1	-26.0	0	0	0	0	-26.3					
-35 / -31	0	0	0	0	-30.3	0	0	0	0	-31.3					
-40 / -36						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.

IDAHO FALLS/FANNING ID

WMO No. 725785

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	67.5
95 / 99												1	0	1	62.8
90 / 94												6	2	8	61.0
85 / 89		0		0	56.0		1	0	1	57.0		16	8	25	59.8
80 / 84		1	0	1	53.2		9	3	12	55.8		28	15	43	58.1
75 / 79		6	2	8	51.6		18	8	26	54.1	1	38	24	63	56.2
70 / 74		10	4	14	49.9	0	25	14	39	52.5	2	41	32	75	54.6
65 / 69	0	17	8	25	47.8	1	33	22	56	50.4	9	38	35	81	52.6
60 / 64	1	22	15	38	45.6	5	42	35	83	48.0	23	31	40	93	50.8
55 / 59	2	29	23	55	43.3	16	40	40	96	46.2	42	19	36	97	48.7
50 / 54	10	39	34	84	41.2	38	35	44	117	44.1	65	13	29	108	46.2
45 / 49	23	42	42	108	38.7	55	23	36	115	41.1	55	7	13	75	42.8
40 / 44	44	38	44	126	36.2	59	15	30	105	37.8	32	2	5	39	39.0
35 / 39	52	24	35	111	32.6	44	6	12	62	33.9	9	0	1	10	34.6
30 / 34	60	11	25	96	29.0	25	1	2	28	29.7	2	0	0	2	31.1
25 / 29	35	2	5	42	24.9	4	0	0	4	25.2	0			0	28.0
20 / 24	11	0	1	12	20.4	0	0		0	19.6					
15 / 19	2			2	15.7										
10 / 14	0			0	10.0										
5 / 9															
0 / 4															
-5 / -1															
-10 / -6															
-15 / -11															
-20 / -16															
-25 / -21															
-30 / -26															
-35 / -31															
-40 / -36															

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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															
95 / 99		2	0	2	61.9		2	1	3	62.0					
90 / 94		20	8	28	61.6		15	6	21	60.5		2	0	2	59.4
85 / 89		41	23	65	60.7		39	18	57	59.4		10	3	13	57.8
80 / 84	0	51	31	82	59.7		48	28	76	58.1		21	9	30	55.9
75 / 79	1	47	35	84	58.3	0	45	30	75	57.1		32	15	47	54.1
70 / 74	6	41	41	88	56.7	3	40	38	81	55.4	0	37	21	58	52.6
65 / 69	23	24	41	88	55.2	15	30	41	85	54.0	3	38	29	70	50.8
60 / 64	49	14	37	101	53.6	38	16	40	95	52.4	9	35	35	79	49.1
55 / 59	67	5	21	93	51.0	59	8	28	95	50.0	23	29	38	90	47.2
50 / 54	66	2	8	76	47.9	68	3	13	84	47.1	40	19	38	98	44.7
45 / 49	29	0	1	30	44.0	44	1	4	49	43.2	57	13	28	97	41.7
40 / 44	6	0	0	6	40.2	16	0	1	17	38.9	54	5	15	74	38.1
35 / 39	1			1	35.4	4		0	4	34.9	34	1	6	41	33.8
30 / 34	0			0	33.0	1			1	30.6	16	0	1	17	29.7
25 / 29						0			0	27.0	3		0	3	25.2
20 / 24											1		0	1	20.1
15 / 19											0			0	17.3
10 / 14															
5 / 9															
0 / 4															
-5 / -1															
-10 / -6															
-15 / -11															
-20 / -16															
-25 / -21															
-30 / -26															
-35 / -31															
-40 / -36															

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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															
85 / 89		0		0	54.0										
80 / 84		1	0	1	53.5										
75 / 79		8	2	10	52.2										
70 / 74		15	4	19	50.7										
65 / 69		22	8	30	48.6		0	0	0	48.5					
60 / 64	0	30	15	45	46.7		4	0	4	46.4		0		0	47.0
55 / 59	3	37	25	65	44.6		9	2	11	44.0		0		0	45.3
50 / 54	10	39	37	86	42.4	1	17	7	24	42.2	0	1	0	1	42.1
45 / 49	24	34	41	99	40.0	5	24	14	43	39.8	0	4	1	5	39.1
40 / 44	38	32	43	113	37.1	13	33	27	73	36.4	4	13	6	23	36.1
35 / 39	59	18	37	114	33.6	28	45	41	114	33.1	13	24	17	54	32.8
30 / 34	59	9	23	91	29.5	52	45	56	153	29.5	27	48	39	114	29.4
25 / 29	33	3	9	45	25.0	49	29	43	121	25.1	36	51	46	133	25.0
20 / 24	17	0	3	21	20.8	39	17	23	80	20.6	40	39	43	122	20.6
15 / 19	4	0	0	4	16.2	23	9	14	45	15.9	35	26	34	95	15.8
10 / 14	1			1	11.4	15	5	6	25	11.1	33	19	26	78	11.2
5 / 9						7	2	4	13	6.0	24	11	15	50	6.3
0 / 4						3	1	2	6	1.4	19	6	10	35	1.6
-5 / -1						2	1	1	4	-3.3	7	3	4	14	-2.9
-10 / -6						2	0	1	3	-7.1	5	2	3	10	-7.1
-15 / -11						0	0	0	0	-11.3	2	1	2	5	-12.0
-20 / -16						0		0	0	-17.8	2	1	1	4	-16.8
-25 / -21											1	0	1	2	-21.8
-30 / -26											0	0	0	0	-26.2
-35 / -31															
-40 / -36															

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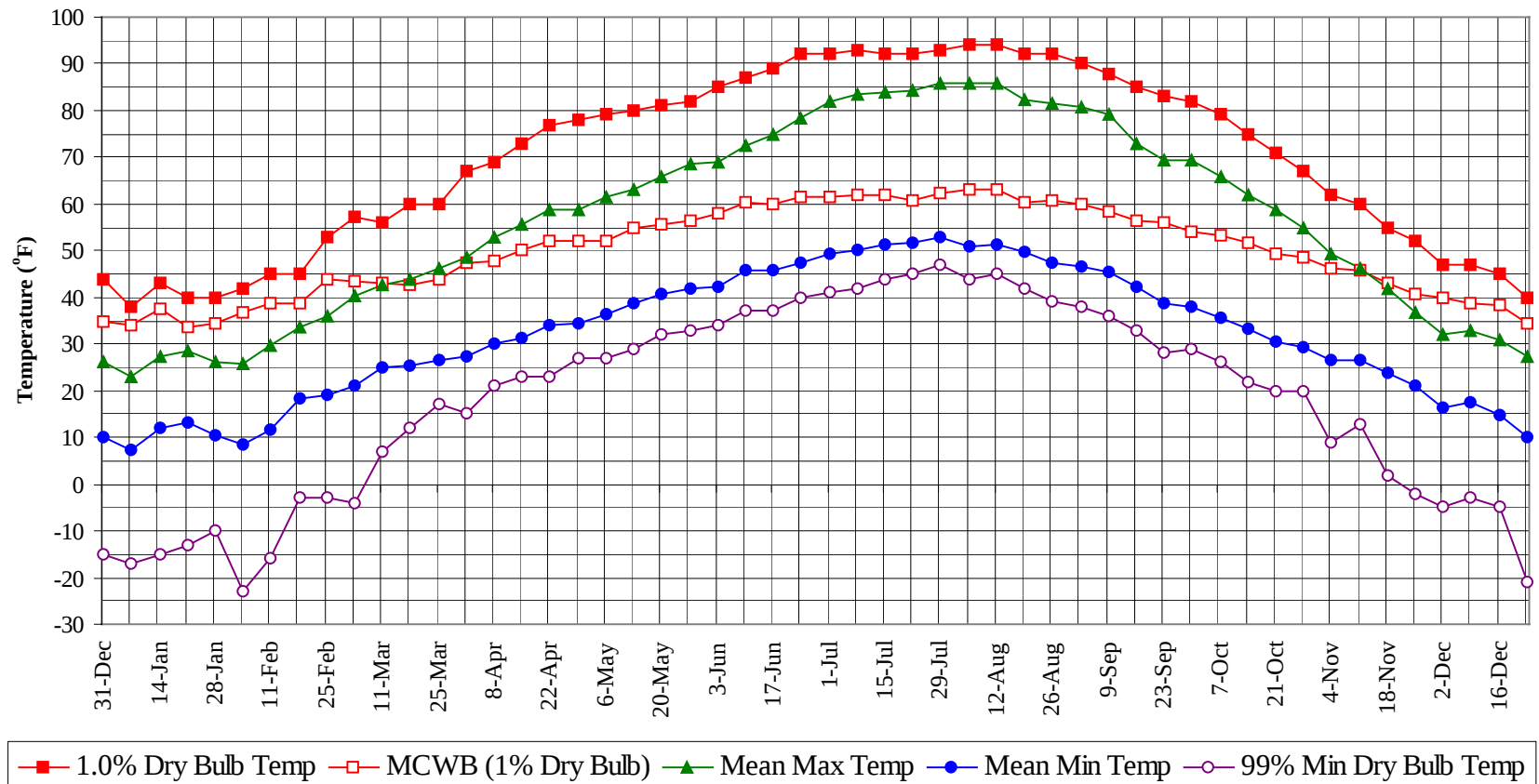
Dry-Bulb Temperature Hours For An Average Year (Sheet 5 of 5)

Period of Record = 1973 to 1996

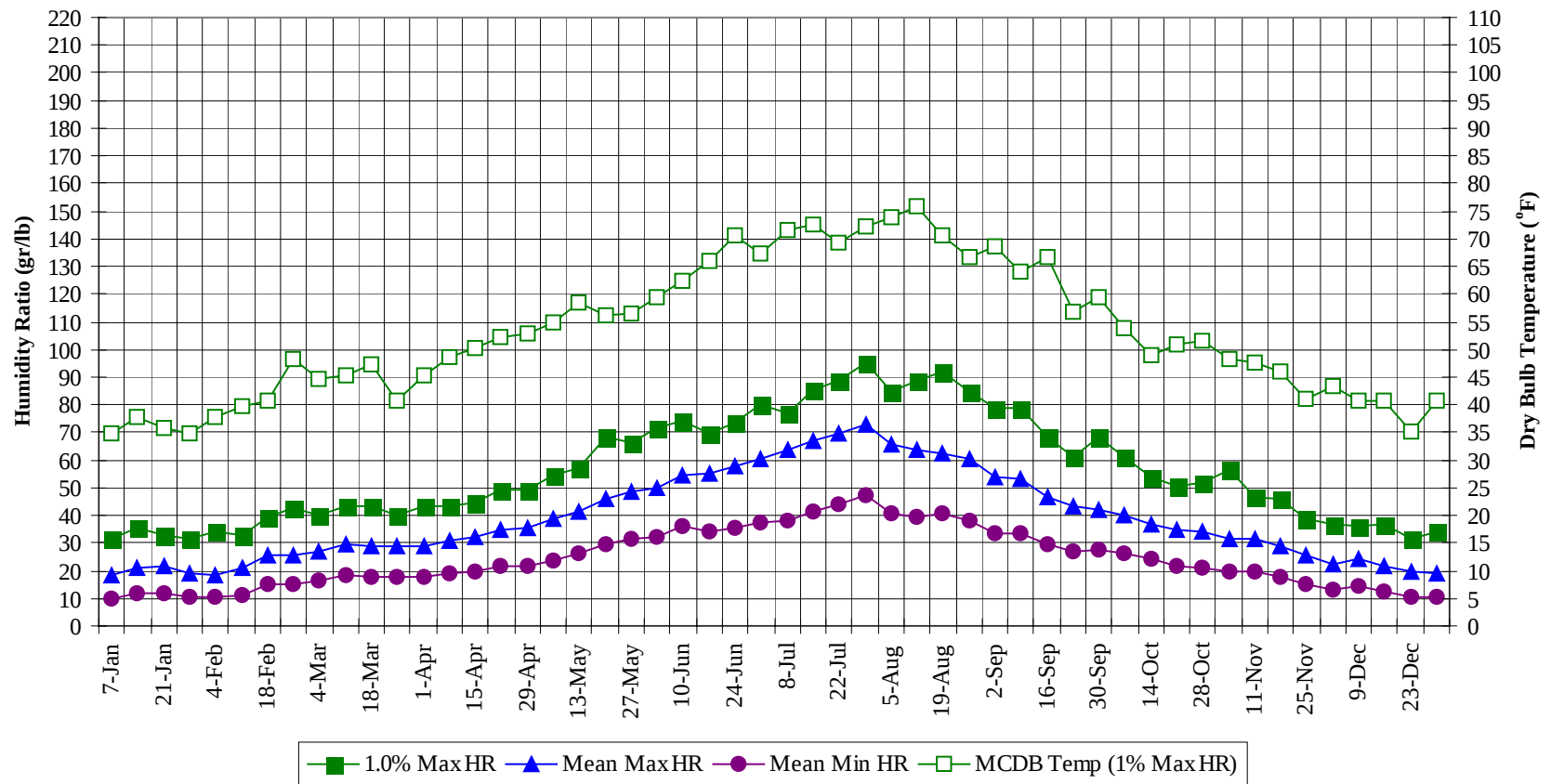
Annual Totals						
Temperature Range (°F)	Hour Group (LST)			Total Obs	M C W B (°F)	
	01 To 08	09 To 16	17 To 00			
100 / 104	0			0	67.5	
95 / 99	5			1	6	62.1
90 / 94	43			17	60	61.1
85 / 89	109			51	160	59.8
80 / 84	0	159	86	245	58.2	
75 / 79	2	193	114	309	56.3	
70 / 74	11	208	152	371	54.4	
65 / 69	50	200	183	432	52.2	
60 / 64	124	202	218	544	50.0	
55 / 59	209	187	217	613	47.4	
50 / 54	296	190	223	709	44.4	
45 / 49	293	189	203	685	40.7	
40 / 44	278	209	225	711	37.0	
35 / 39	308	234	255	796	33.2	
30 / 34	391	241	301	933	29.5	
25 / 29	289	179	217	685	25.1	
20 / 24	212	131	148	491	20.6	
15 / 19	134	88	108	330	15.8	
10 / 14	110	63	78	252	11.1	
5 / 9	72	37	53	162	6.2	
0 / 4	63	25	35	123	1.4	
-5 / -1	29	11	16	56	-3.0	
-10 / -6	24	8	13	45	-7.3	
-15 / -11	12	5	6	23	-12.2	
-20 / -16	8	2	3	13	-16.8	
-25 / -21	3	1	1	5	-21.4	
-30 / -26	1	0	0	1	-26.1	
-35 / -31	0	0	0	0	-30.8	
-40 / -36	0			0		

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Annual Summary of Temperatures



Long Term Humidity and Dry Bulb Temperature Summary

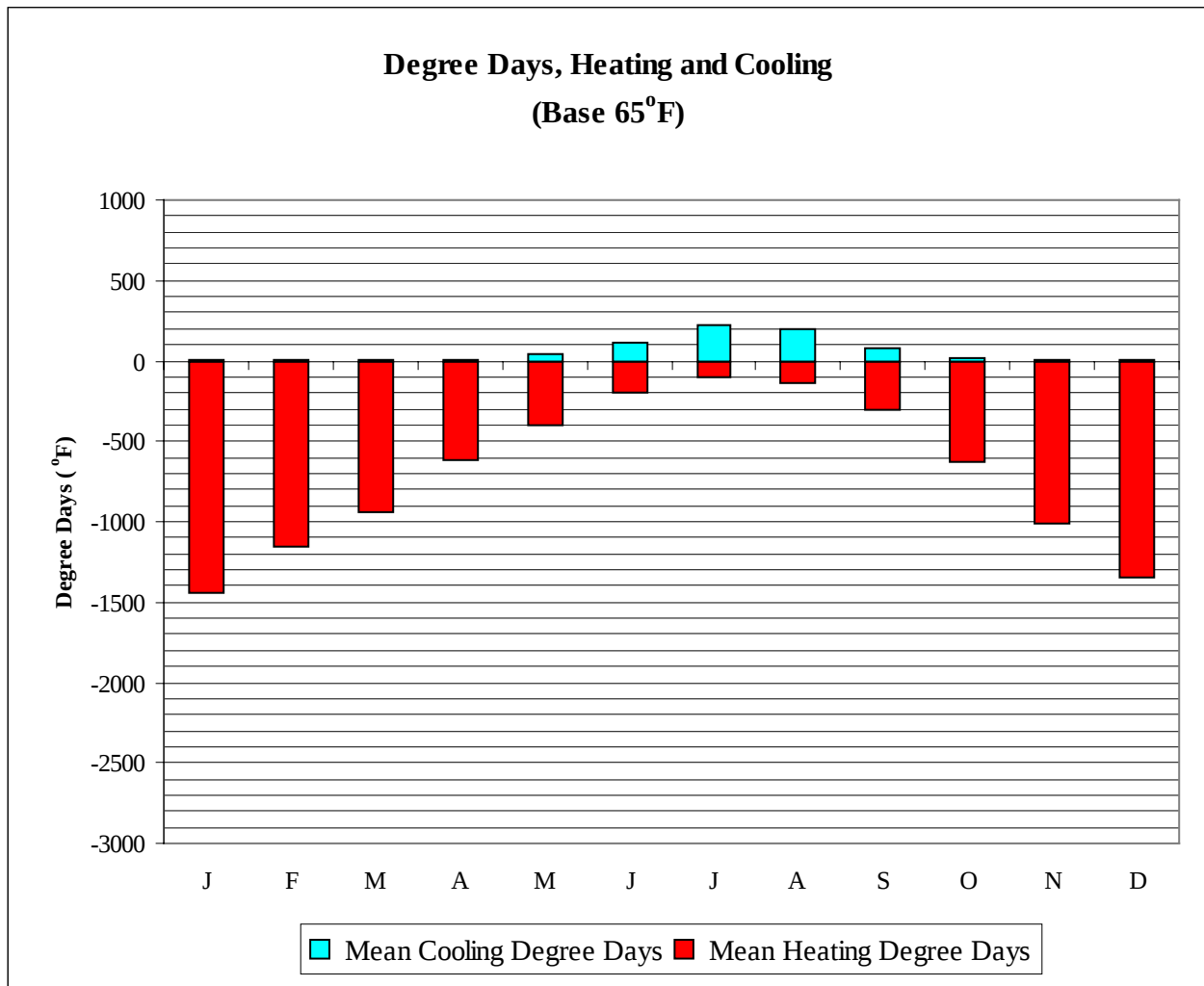


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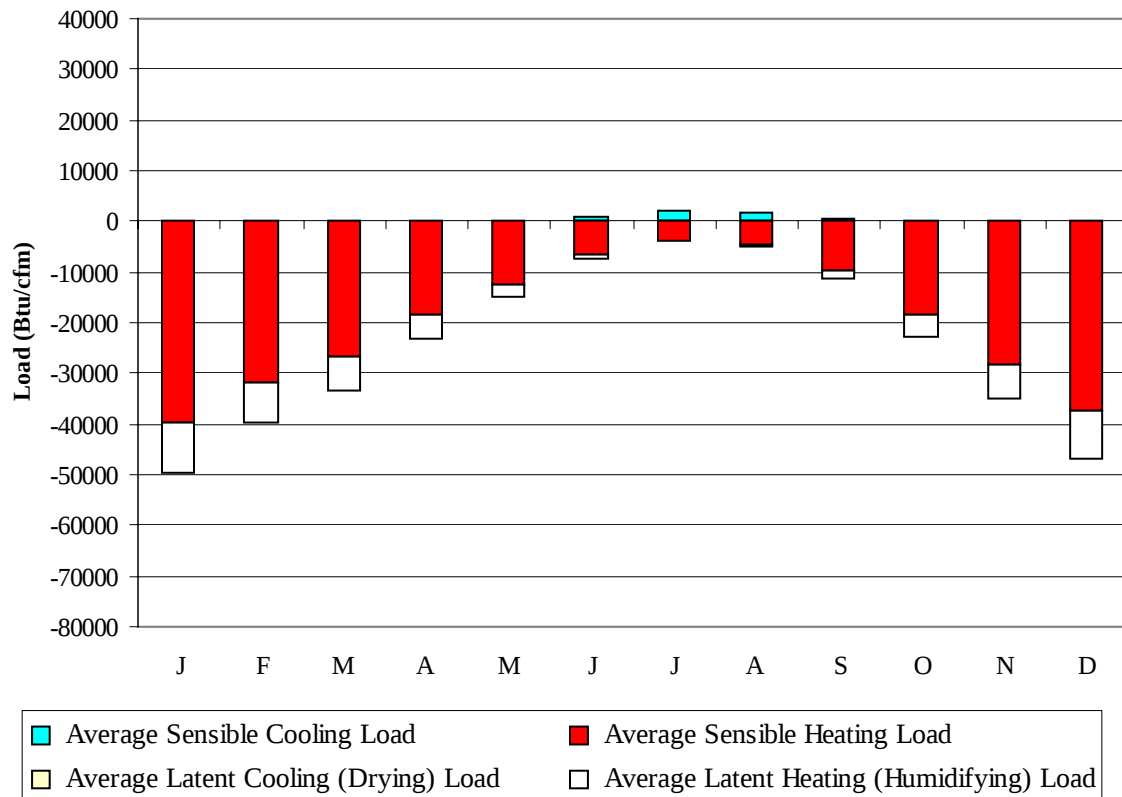
Long Term Dry Bulb Temperature and Humidity Summary

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	38.0	34.2	23.1	7.3	-17.0	31.5	34.8	18.1	9.6
14-Jan	43.0	37.6	27.3	11.9	-15.0	35.7	37.7	21.0	12.0
21-Jan	40.0	33.8	28.7	13.0	-13.0	32.9	35.8	21.6	12.0
28-Jan	40.0	34.4	26.3	10.4	-10.0	31.5	34.9	19.0	10.3
4-Feb	42.0	36.8	25.6	8.7	-23.0	34.3	37.8	18.4	10.3
11-Feb	45.0	38.5	29.8	11.7	-16.0	32.9	39.7	21.3	11.5
18-Feb	45.0	38.8	33.8	18.4	-3.0	39.2	40.7	25.5	15.4
25-Feb	53.0	44.0	36.0	19.0	-3.0	42.7	48.3	25.9	15.2
4-Mar	57.0	43.6	40.2	21.1	-4.0	39.9	44.5	27.0	16.5
11-Mar	56.0	43.2	42.5	25.1	7.0	43.4	45.4	29.5	18.7
18-Mar	60.0	42.7	43.9	25.5	12.0	43.4	47.4	28.7	17.7
25-Mar	60.0	43.8	46.1	26.6	17.0	39.9	40.6	28.6	17.5
1-Apr	67.0	47.5	48.5	27.4	15.0	43.4	45.4	28.8	17.8
8-Apr	69.0	47.7	52.8	30.2	21.0	43.4	48.5	30.8	19.2
15-Apr	73.0	50.0	55.8	31.3	23.0	44.8	50.2	32.1	19.6
22-Apr	77.0	52.2	58.8	33.9	23.0	49.0	52.1	34.7	21.8
29-Apr	78.0	52.1	58.9	34.6	27.0	49.0	52.9	35.7	21.8
6-May	79.0	52.2	61.4	36.2	27.0	54.6	54.8	38.5	23.9
13-May	80.0	54.8	62.9	38.6	29.0	57.4	58.5	41.7	26.6
20-May	81.0	55.5	65.9	40.9	32.0	68.6	56.2	45.9	29.7
27-May	82.0	56.5	68.6	41.9	33.0	66.5	56.6	48.4	31.6
3-Jun	85.0	57.9	69.1	42.2	34.0	71.4	59.6	50.1	32.1
10-Jun	87.0	60.5	72.7	45.8	37.0	74.2	62.6	54.6	36.1
17-Jun	89.0	60.1	74.9	45.9	37.0	69.3	66.0	55.4	34.4
24-Jun	92.0	61.6	78.3	47.5	40.0	73.5	70.7	58.1	35.6
1-Jul	92.0	61.4	81.8	49.2	41.0	79.8	67.4	60.4	37.2
8-Jul	93.0	61.8	83.7	50.3	42.0	77.0	71.5	63.9	38.3
15-Jul	92.0	62.1	84.1	51.2	44.0	85.4	72.7	66.9	41.6
22-Jul	92.0	60.8	84.4	51.7	45.0	88.9	69.4	69.4	43.8
29-Jul	93.0	62.3	85.8	52.9	47.0	95.2	72.3	73.2	47.2
5-Aug	94.0	63.0	85.7	51.1	44.0	84.7	73.8	65.5	40.8
12-Aug	94.0	63.0	86.0	51.1	45.0	88.9	75.9	63.9	39.2
19-Aug	92.0	60.2	82.3	49.8	42.0	91.7	70.6	62.1	40.4
26-Aug	92.0	60.7	81.7	47.5	39.0	84.7	66.6	60.6	38.0
2-Sep	90.0	60.1	80.7	46.4	38.0	79.1	68.5	54.2	33.7
9-Sep	88.0	58.6	79.2	45.5	36.0	79.1	64.0	53.1	33.4
16-Sep	85.0	56.3	73.0	42.2	33.0	68.6	66.7	46.9	29.8
23-Sep	83.0	55.9	69.6	38.8	28.0	60.9	56.7	43.2	27.0
30-Sep	82.0	54.1	69.5	37.9	29.0	68.6	59.4	42.0	27.6
7-Oct	79.0	53.2	65.7	35.6	26.0	60.9	53.7	39.9	26.0
14-Oct	75.0	51.7	61.9	33.3	22.0	53.9	49.0	36.5	24.1
21-Oct	71.0	49.5	58.8	30.3	20.0	50.4	50.7	34.6	21.9
28-Oct	67.0	48.5	55.0	29.5	20.0	51.8	51.5	34.2	21.3
4-Nov	62.0	46.3	49.2	26.5	9.0	56.7	48.1	31.4	19.7
11-Nov	60.0	45.9	46.2	26.7	13.0	46.9	47.6	31.3	19.5
18-Nov	55.0	43.2	41.9	24.0	2.0	46.2	45.9	28.7	17.9
25-Nov	52.0	40.8	36.8	20.9	-2.0	38.5	41.2	25.4	15.4
2-Dec	47.0	39.9	31.9	16.4	-5.0	37.1	43.3	22.2	13.2
9-Dec	47.0	38.6	33.0	17.5	-3.0	36.4	40.6	24.1	14.3
16-Dec	45.0	38.5	30.9	14.6	-5.0	37.1	40.7	21.4	12.2
23-Dec	40.0	34.3	27.4	10.2	-21.0	31.5	35.1	19.5	10.2
31-Dec	44.0	35.0	26.3	10.2	-15.0	34.3	40.8	19.1	10.5



	Mean Cooling Degree Days (°F)	Mean Heating Degree Days (°F)
JAN	0	1440
FEB	0	1150
MAR	0	936
APR	10	620
MAY	36	402
JUN	118	202
JUL	221	105
AUG	194	134
SEP	76	304
OCT	12	627
NOV	0	1009
DEC	0	1351
ANN	667	8280

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	-39738	0	-10005
FEB	0	-32006	0	-7708
MAR	0	-26665	0	-6581
APR	23	-18296	0	-4935
MAY	147	-12506	0	-2310
JUN	870	-6719	0	-660
JUL	2056	-3801	10	-174
AUG	1754	-4683	4	-484
SEP	480	-9615	0	-1813
OCT	23	-18528	0	-4057
NOV	0	-28470	0	-6500
DEC	0	-37423	0	-9379
ANN	5353	-238450	14	-54606

Average Annual Solar Radiation – Nearest Available Site

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

City: POCATELLO
 State: ID
 WBAN No: 24156
 Lat(N): 42.92
 Long(W): 112.6
 Elev(ft): 4479

Stn Type: Secondary
 SHADING GEOMETRY IN DIMENSIONLESS UNITS
 Window: 1
 Overhang: 0.618
 Vert Gap: 0.33

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	540	820	1210	1610	1950	2210	2310	2010	1590	1090	620	470	1370
	Std Dev	52	71	101	153	149	161	110	117	129	80	61	45	41
	Minimum	450	720	960	1320	1660	1850	2120	1680	1340	940	520	390	1270
	Maximum	650	960	1370	1940	2300	2460	2520	2220	1810	1270	760	560	1450
	Diffuse	330	420	550	670	710	670	560	520	430	350	330	290	480
Clear Day	Global	820	1180	1710	2260	2630	2780	2690	2360	1870	1320	880	710	1770
NORTH	Global	190	250	340	440	560	650	620	470	350	260	200	160	380
	Diffuse	190	250	340	430	490	510	480	420	350	260	200	160	340
Clear Day	Global	160	210	290	410	600	740	670	450	320	230	160	140	370
EAST	Global	350	530	770	1000	1170	1300	1370	1250	1030	750	420	310	850
	Diffuse	230	310	430	520	580	600	570	520	430	330	250	200	410
Clear Day	Global	680	900	1190	1440	1590	1630	1600	1470	1260	980	720	600	1170
SOUTH	Global	840	1070	1160	1080	960	900	990	1160	1380	1410	950	810	1060
	Diffuse	350	420	500	550	560	540	520	510	470	410	350	320	460
Clear Day	Global	1980	2080	1950	1550	1200	1030	1090	1370	1770	2010	1980	1910	1660
WEST	Global	380	560	770	960	1110	1230	1310	1180	1020	750	430	340	840
	Diffuse	230	320	430	530	590	600	580	530	430	330	250	210	420
Clear Day	Global	680	900	1190	1440	1590	1630	1600	1470	1260	980	720	600	1170

Average Annual Solar Heat and Illumination – Nearest Available Site

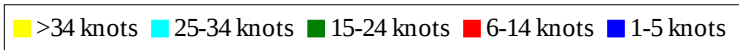
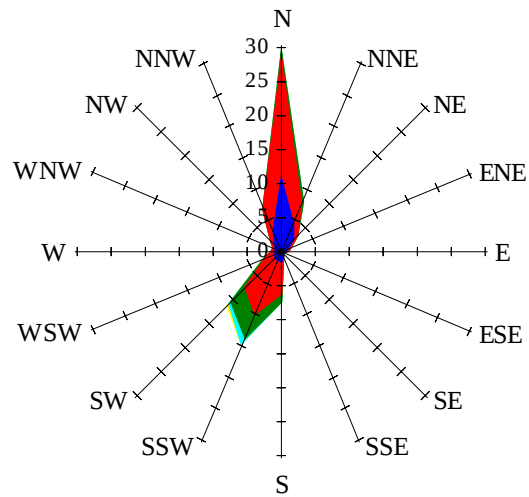
(Source: National Renewable Energy Laboratory, Golden CO, 1995)

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	350	550	850	1150	1410	1610	1690	1460	1130	740	400	300	970
NORTH	Unshaded	130	180	240	300	360	420	390	310	240	180	140	110	250
	Shaded	110	150	210	260	320	370	350	280	220	160	120	96	220
EAST	Unshaded	240	370	550	720	840	930	980	900	740	530	290	220	610
	Shaded	210	310	470	600	690	770	820	760	630	460	250	190	510
SOUTH	Unshaded	630	790	820	720	590	530	580	740	940	1030	710	610	720
	Shaded	610	720	620	430	340	340	330	380	630	890	680	590	540
WEST	Unshaded	260	390	550	690	790	880	940	850	730	530	300	230	600
	Shaded	230	340	470	580	660	730	780	710	630	460	260	200	500

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	29	64	77	67	35	42	78	98	98	77
	M.Cloudy	19	42	53	45	23	28	56	73	72	55
NORTH	M.Clear	8	12	14	13	9	20	14	16	16	14
	M.Cloudy	7	14	16	15	9	14	16	18	17	16
EAST	M.Clear	72	64	18	13	9	82	79	41	16	14
	M.Cloudy	28	36	18	15	9	42	52	34	17	16
SOUTH	M.Clear	32	70	86	75	39	10	29	49	49	29
	M.Cloudy	15	38	50	42	19	10	24	39	39	24
WEST	M.Clear	8	12	14	58	74	10	14	16	40	77
	M.Cloudy	7	14	16	35	32	10	16	18	33	51
M.Clear	(% hrs)	24	25	22	22	25	49	52	50	45	42
		Sept					Dec				
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	20	59	81	80	56	5	31	41	30	4
	M.Cloudy	13	39	56	56	39	4	19	27	19	3
NORTH	M.Clear	6	12	14	14	11	3	8	10	8	2
	M.Cloudy	5	13	16	15	12	2	8	10	8	2
EAST	M.Clear	63	77	39	14	11	24	42	10	8	2
	M.Cloudy	25	41	29	15	12	7	17	10	8	2
SOUTH	M.Clear	15	54	78	77	51	19	73	88	70	15
	M.Cloudy	8	31	50	49	32	6	25	35	26	4
WEST	M.Clear	6	12	14	42	78	3	8	11	44	19
	M.Cloudy	5	13	16	31	45	2	8	11	18	5
M.Clear	(% hrs)	56	59	60	57	54	13	15	16	20	23

Wind Summary - December, January, and February

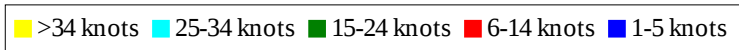
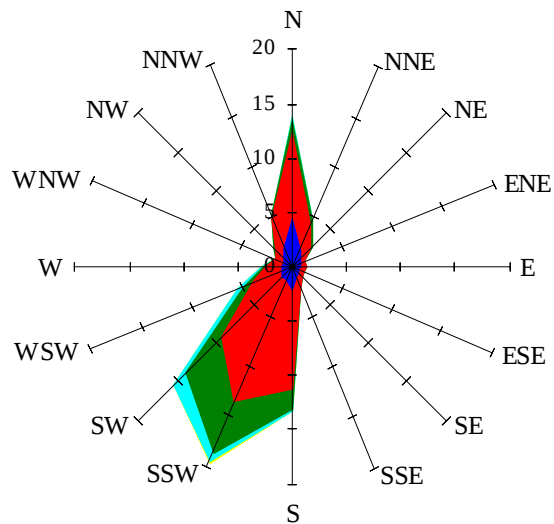
Labels of Percent Frequency on North Axis



Percent Calm = 8.69

Wind Summary - March, April, and May

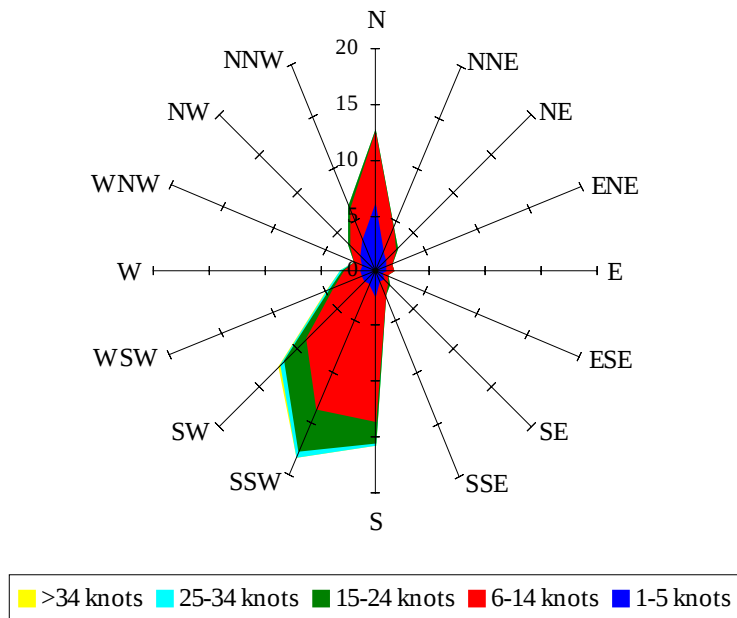
Labels of Percent Frequency on North Axis



Percent Calm = 6.45

Wind Summary - June, July, and August

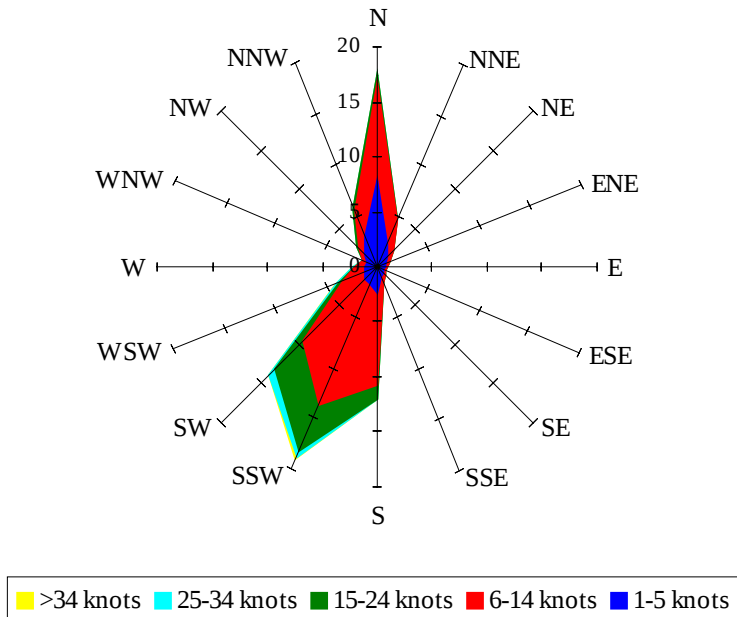
Labels of Percent Frequency on North Axis



Percent Calm = 7.18

Wind Summary - September, October, and November

Labels of Percent Frequency on North Axis



Percent Calm = 9.66