

BOISE ID	
Latitude = 43.57 N	WMO No. 726810
Longitude = 116.20 W	Elevation = 2868 feet
Period of Record = 1973 to 1996	Average Pressure = 27.03 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	102	66	46	10.1	NNW
0.4% Occurrence	97	64	44	10.1	NNW
1.0% Occurrence	94	63	45	9.8	NW
2.0% Occurrence	91	62	44	9.5	NW
Mean Daily Range	22	-	-	-	-
97.5% Occurrence	16	15	10	5.4	SE
99.0% Occurrence	8	7	7	5.4	ESE
99.6% Occurrence	1	1	5	5.4	SE
Median of Extreme Lows	-5	-5	3	4.9	SE
	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	93	76	9.6	NW
0.4% Occurrence	66	91	64	9.3	NW
1.0% Occurrence	65	90	61	9.2	NW
2.0% Occurrence	63	87	56	9.2	NW
	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	71	0.56	7.5	ESE
0.4% Occurrence	78	72	0.47	8.8	NW
1.0% Occurrence	72	71	0.44	8.4	ESE
2.0% Occurrence	67	70	0.41	8.0	NW
Air Conditioning/ Humid Area Criteria	# of Hours	T ≥ 93°F	T ≥ 80°F	T _{wb} ≥ 73°F	T _{wb} ≥ 67°F
		128	779	0	25

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	90	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 (#)
53.6	N/A	9	78

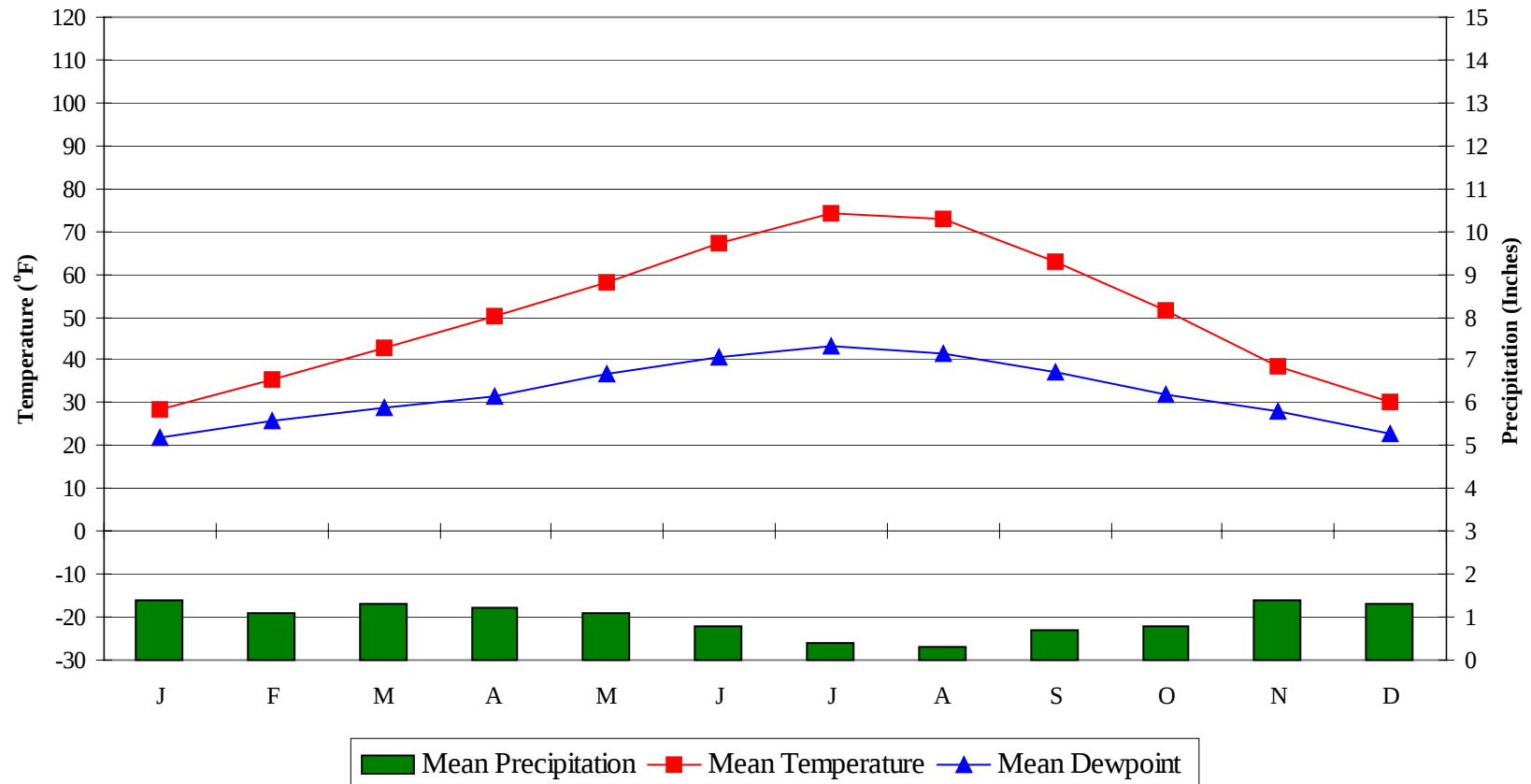
*Note: Temperatures at greater depths can be estimated by adding 1.5°F per 100 feet additional depth.

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Average Annual Climate

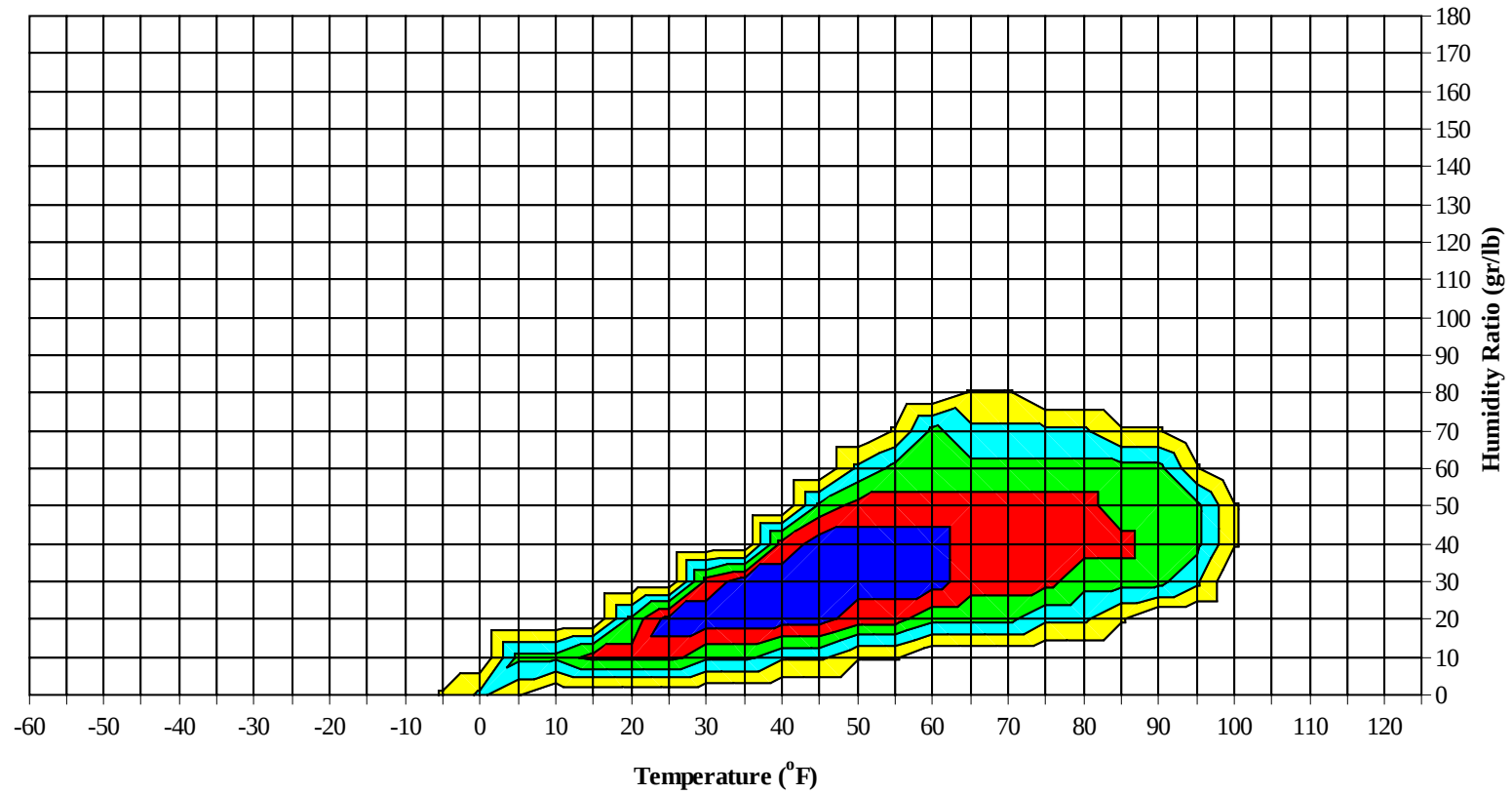


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Long Term Psychrometric Summary



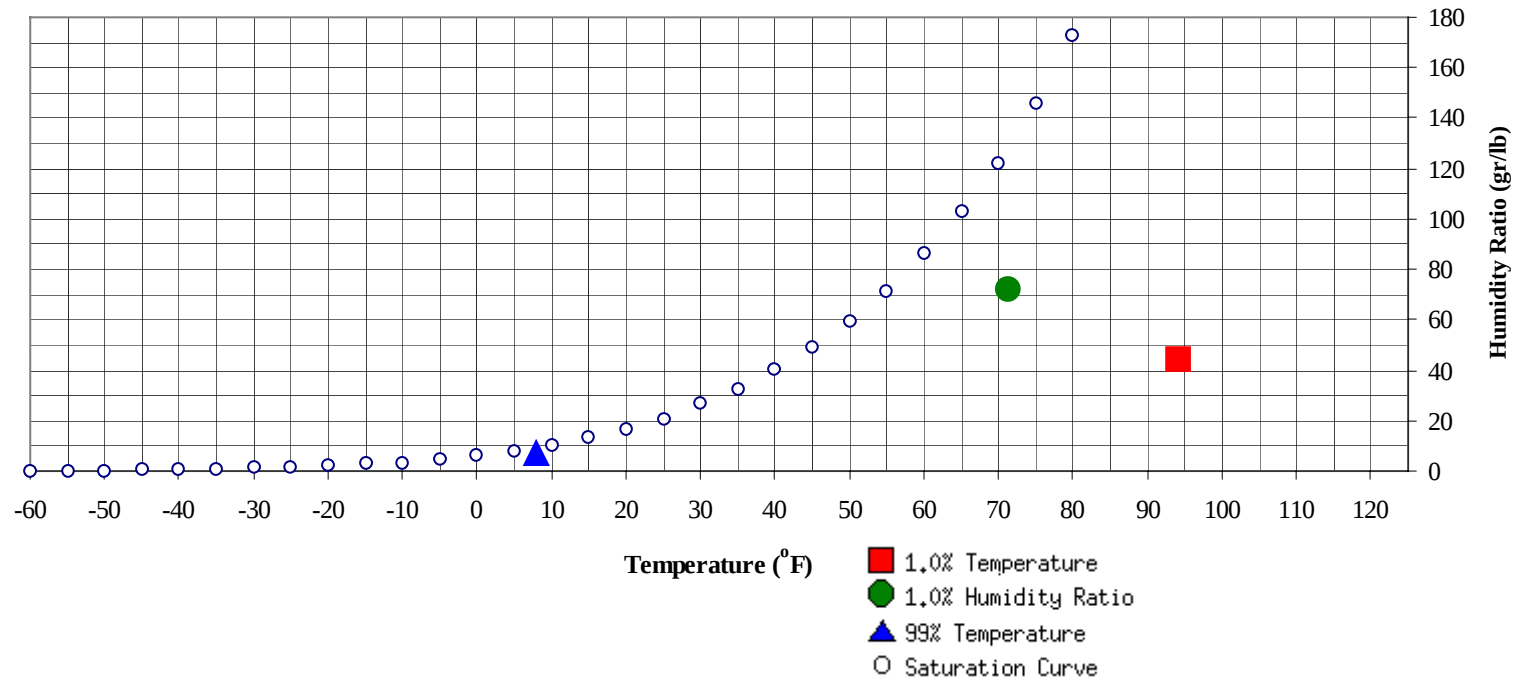
- 50% of all observations
- 80% of all observations
- 95% of all observations
- 97.5% of all observations
- 99% of all observations

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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	7	3.0		72.1	71.2	60.8	55.1	28.3

1.0% Dry Bulb	(°F)	MCHR (gr/lb)	MCWB (°F)	Enthalpy (btu/lb)
	94	44.3	62.8	29.5

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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		
105 / 109															
100 / 104															
95 / 99															
90 / 94															
85 / 89															
80 / 84															
75 / 79												0	0	0	54.0
70 / 74							0		0	50.0		2	1	3	51.1
65 / 69							1	0	1	51.9		6	3	9	49.4
60 / 64		0		0	43.3		2	1	3	49.2	0	13	8	21	46.8
55 / 59		1	0	1	45.1		8	4	12	45.5	1	28	18	47	44.8
50 / 54	1	4	2	7	43.3	1	20	11	32	43.1	7	48	36	91	42.4
45 / 49	4	15	9	28	40.6	11	39	31	81	40.4	29	61	58	148	40.0
40 / 44	15	29	21	65	37.4	28	40	39	107	37.2	54	45	53	152	37.0
35 / 39	32	49	45	126	33.8	43	42	50	135	33.4	57	28	41	126	33.2
30 / 34	46	50	53	149	29.9	60	34	42	136	29.7	58	11	24	93	29.3
25 / 29	46	38	42	126	25.2	35	17	22	74	25.1	31	3	5	39	25.1
20 / 24	41	28	31	100	20.9	25	8	12	45	20.8	9	1	1	11	21.0
15 / 19	28	18	20	66	15.9	11	5	6	22	15.7	2	0	0	2	16.1
10 / 14	16	8	11	35	11.0	4	4	3	11	10.7	0		0	0	12.4
5 / 9	9	4	7	20	6.4	3	2	2	7	5.9					
0 / 4	7	2	4	13	1.4	2	1	1	4	1.4					
-5 / -1	3	1	2	6	-2.9	0	0	1	1	-3.1					
-10 / -6	2	0	2	4	-7.1	1	0	1	2	-7.6					
-15 / -11	0	0	0	0	-11.3	1		0	1	-11.0					
-20 / -16						0			0	-15.0					
-25 / -21															

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		
105 / 109															
100 / 104												1	1	2	63.8
95 / 99							0	0	0	66.3		6	4	10	62.9
90 / 94		0		0	56.5		3	2	5	61.3		13	11	24	61.5
85 / 89		1	0	1	56.0		8	5	13	59.3	0	22	16	38	59.9
80 / 84		3	2	5	55.8		13	9	22	57.6	1	34	24	59	58.3
75 / 79		8	5	13	54.2	0	22	15	37	55.6	4	38	33	75	56.6
70 / 74	0	14	10	24	52.0	2	32	24	58	53.6	14	40	35	89	54.9
65 / 69	1	22	15	38	50.1	8	39	30	77	51.5	27	33	34	94	53.1
60 / 64	4	29	21	54	47.8	21	41	41	103	49.4	43	26	34	103	51.1
55 / 59	10	42	35	87	45.4	34	40	41	115	47.2	53	18	27	98	49.1
50 / 54	30	48	47	125	43.1	49	29	39	117	44.9	51	8	15	74	46.1
45 / 49	57	45	52	154	40.5	64	17	29	110	42.0	31	1	7	39	42.8
40 / 44	52	20	31	103	37.3	43	4	12	59	38.2	11		0	11	39.2
35 / 39	45	6	17	68	33.4	21	0	2	23	34.4	3		0	3	35.5
30 / 34	34	1	4	39	29.5	6	0	0	6	29.8	0			0	31.6
25 / 29	6	0	0	6	25.3	1			1	24.6					
20 / 24	1			1	21.6	0			0	21.5					
15 / 19	0			0											
10 / 14															
5 / 9															
0 / 4															
-5 / -1															
-10 / -6															
-15 / -11															
-20 / -16															
-25 / -21															

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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		
105 / 109		0	0	0	67.9		0	0	0	68.9					
100 / 104		3	3	6	65.6		2	1	3	65.8		0		0	65.0
95 / 99		16	15	31	63.9		11	9	20	63.6		1	0	1	62.7
90 / 94		34	29	63	62.4		33	25	58	61.9		6	4	10	61.2
85 / 89	0	45	33	78	60.9	0	43	30	73	60.5		19	11	30	59.3
80 / 84	5	49	37	91	59.4	2	47	34	83	58.8	0	29	15	44	57.4
75 / 79	15	41	40	96	57.8	13	43	36	92	57.4	1	36	23	60	55.6
70 / 74	35	30	37	102	56.1	33	31	38	102	55.4	5	41	28	74	53.9
65 / 69	51	16	27	94	54.1	48	21	36	105	53.3	15	34	34	83	51.6
60 / 64	60	10	17	87	51.9	59	11	24	94	51.3	36	33	43	112	49.7
55 / 59	48	3	8	59	49.2	53	4	13	70	48.8	55	21	39	115	47.4
50 / 54	26	0	2	28	46.8	28	1	4	33	45.7	57	13	26	96	44.9
45 / 49	6		0	6	43.1	10		0	10	42.6	42	5	13	60	41.6
40 / 44	1			1	40.1	2		0	2	37.6	20	0	4	24	37.8
35 / 39	0			0	36.3	1			1	33.0	8	0	1	9	33.8
30 / 34						0			0	28.0	2		0	2	30.2
25 / 29											0			0	27.0
20 / 24															
15 / 19															
10 / 14															
5 / 9															
0 / 4															
-5 / -1															
-10 / -6															
-15 / -11															
-20 / -16															
-25 / -21															

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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		
105 / 109															
100 / 104															
95 / 99															
90 / 94		0	0	0	59.3										
85 / 89		1	0	1	57.0										
80 / 84	0	5	2	7	55.8										
75 / 79	0	12	4	16	54.0										
70 / 74	0	20	8	28	52.3		0	0	0	50.6					
65 / 69	1	33	15	49	50.1		2	0	2	50.5					
60 / 64	4	40	25	69	47.9	0	7	2	9	48.4		0		0	48.7
55 / 59	15	43	37	94	45.7	4	15	7	26	46.2	1	2	1	4	44.7
50 / 54	39	44	52	134	43.5	7	29	17	53	43.9	3	7	5	15	43.9
45 / 49	65	32	54	151	40.8	22	51	38	111	40.6	9	22	12	43	41.1
40 / 44	52	12	28	92	37.0	38	50	49	137	37.3	16	36	23	75	37.1
35 / 39	40	4	16	60	33.1	50	40	52	142	33.7	30	50	44	124	33.3
30 / 34	22	1	7	30	29.4	54	24	40	118	29.6	50	54	55	159	29.4
25 / 29	7	0	1	8	25.3	33	11	20	64	25.1	47	35	46	128	25.3
20 / 24	2		0	2	21.3	18	5	9	32	20.6	44	18	31	93	21.0
15 / 19	0			0	17.5	7	3	4	14	15.8	23	10	11	44	16.2
10 / 14						4	1	2	7	11.1	8	6	7	21	11.1
5 / 9						2	0	1	3	6.6	5	3	6	14	6.5
0 / 4						1	0	1	2	2.5	6	3	4	13	1.7
-5 / -1						0		0	0	-2.7	3	1	2	6	-2.5
-10 / -6						0			0	-7.5	1	1	1	3	-6.4
-15 / -11											1	0	1	2	-12.7
-20 / -16											1	0	1	2	-16.3
-25 / -21											0		0	0	-20.3

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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		
105 / 109		1	0	1	68.5
100 / 104		7	5	12	65.3
95 / 99		35	29	64	63.6
90 / 94		89	70	159	62.0
85 / 89	1	139	96	235	60.3
80 / 84	9	179	123	310	58.5
75 / 79	35	201	154	390	56.6
70 / 74	90	211	179	480	54.6
65 / 69	151	205	193	549	52.3
60 / 64	226	213	213	652	49.9
55 / 59	272	222	227	721	47.2
50 / 54	297	249	252	798	44.1
45 / 49	346	290	302	938	40.9
40 / 44	329	238	260	827	37.3
35 / 39	329	223	268	820	33.5
30 / 34	334	178	227	739	29.6
25 / 29	206	106	136	449	25.2
20 / 24	141	60	84	285	20.9
15 / 19	72	35	42	149	16.0
10 / 14	32	20	24	76	11.0
5 / 9	19	10	15	44	6.4
0 / 4	16	6	10	32	1.6
-5 / -1	6	2	5	13	-2.7
-10 / -6	5	1	4	10	-7.0
-15 / -11	2	0	1	3	-12.0
-20 / -16	1	0	1	2	-16.3
-25 / -21	0		0	0	-20.3

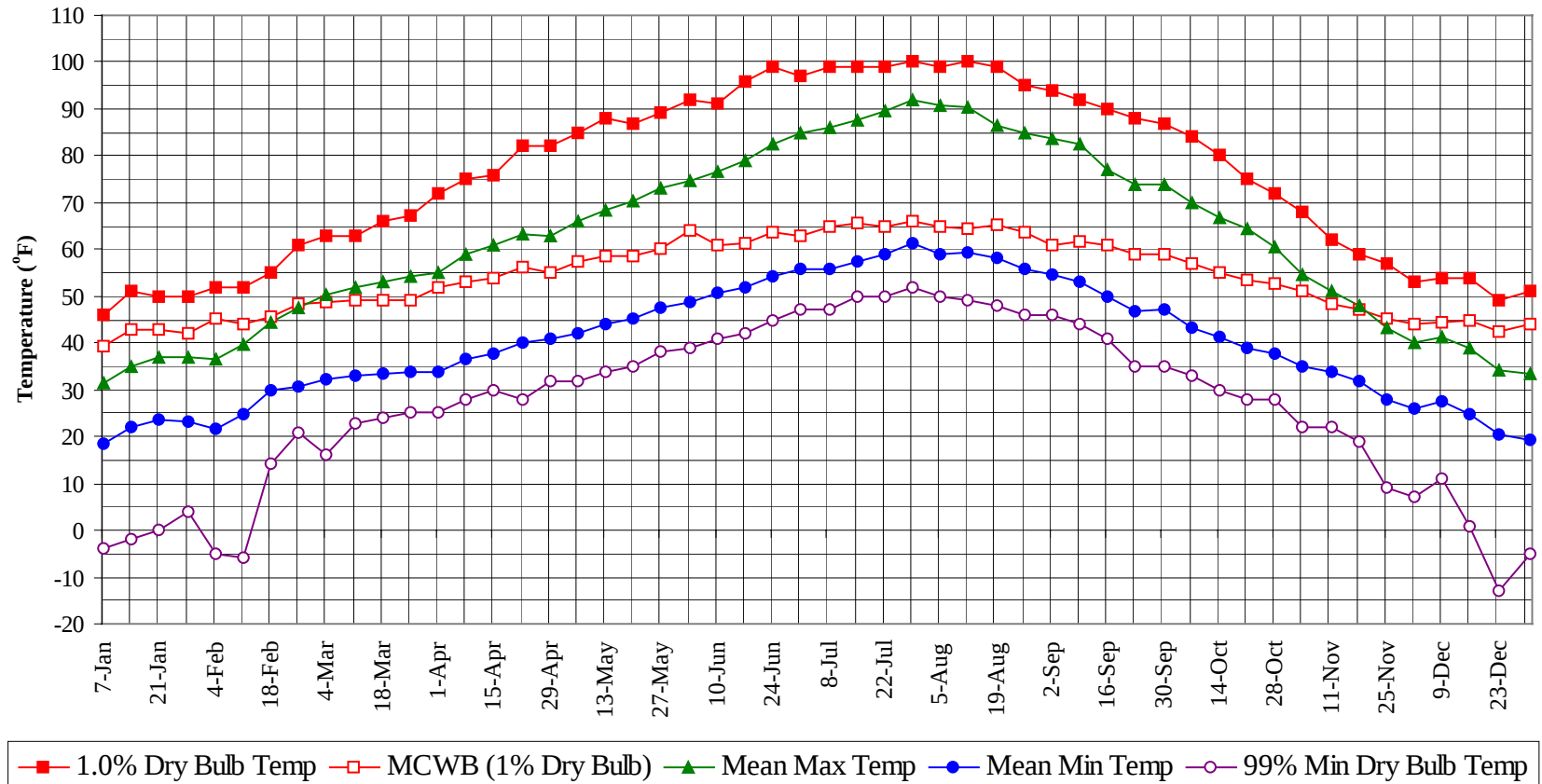
Caution: This summary reflects the typical distribution of temperature in a typical year. It does not reflect the typical moisture distribution. Because wet bulb temperatures are averaged, this summary understates the annual moisture load. For accurate moisture load data, see the long-term humidity summary and the ventilation and infiltration load pages in this manual.

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Annual Summary of Temperatures

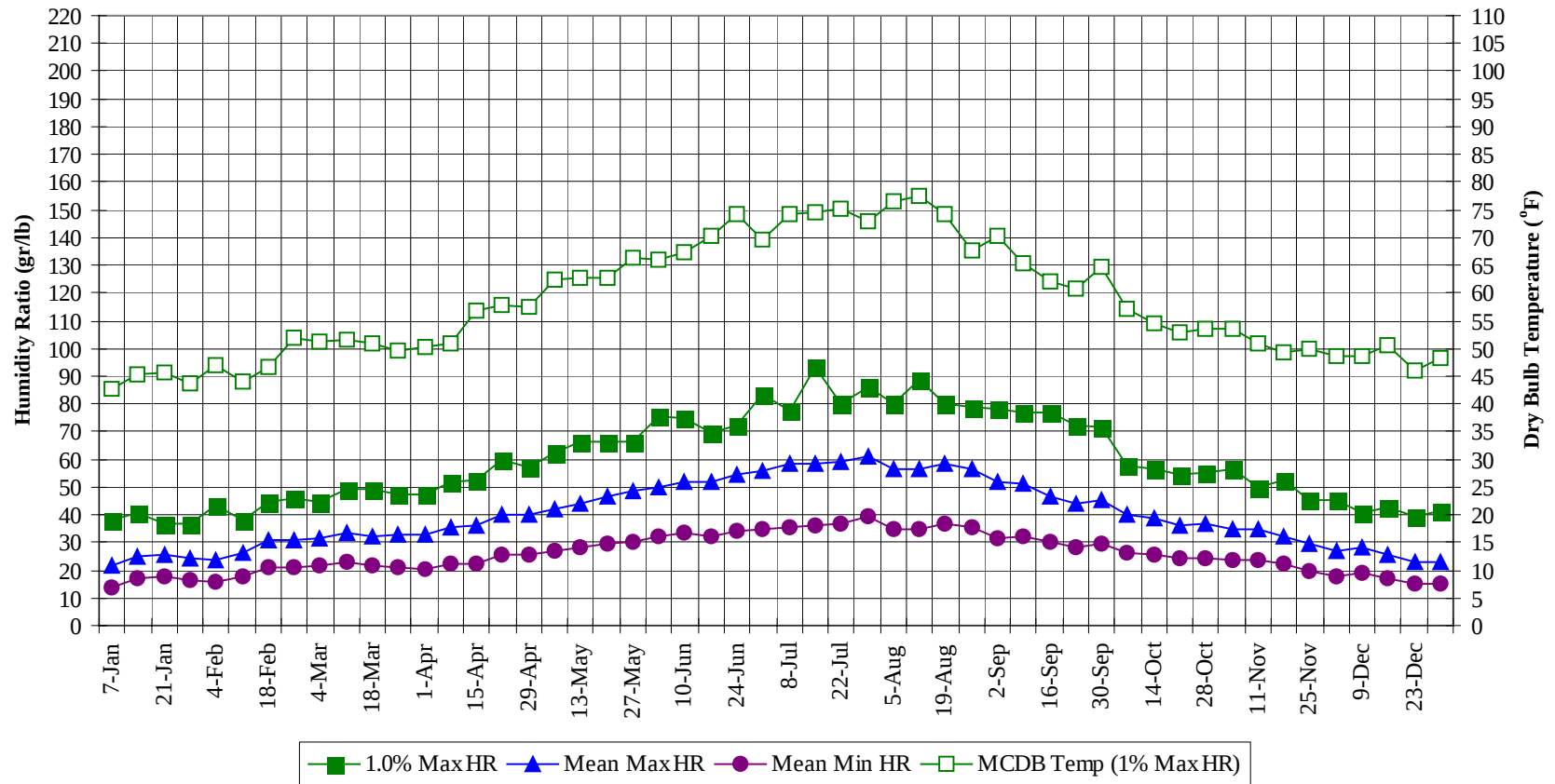


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Long Term Humidity and Dry Bulb Temperature Summary



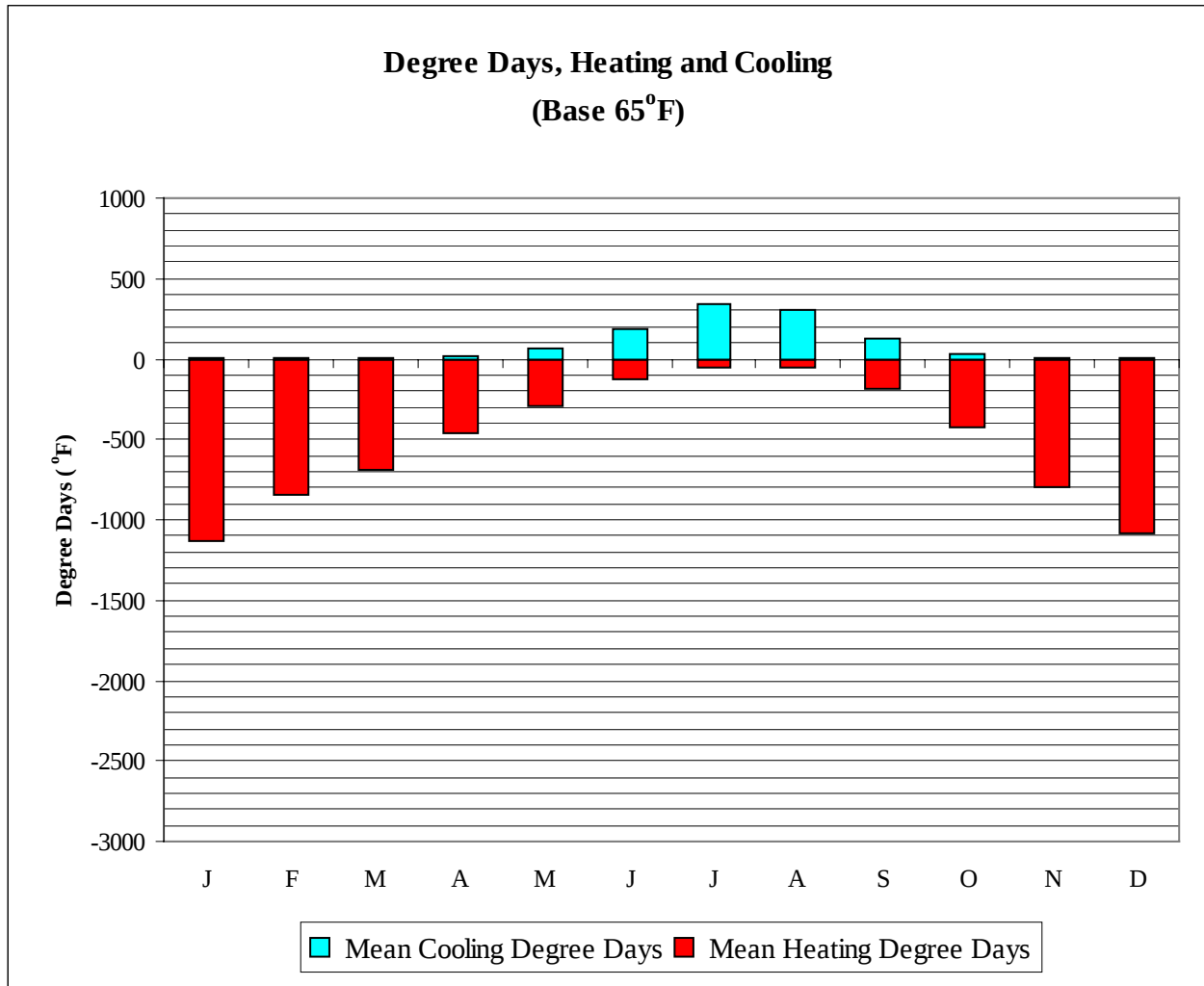
BOISE**ID****WMO No. 726810****Long Term Dry Bulb Temperature and Humidity Summary**

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	46.0	39.4	31.6	18.4	-4.0	37.8	42.7	21.4	14.0
14-Jan	51.0	42.9	35.2	22.2	-2.0	40.6	45.3	25.3	16.9
21-Jan	50.0	42.9	36.9	23.6	0.0	37.1	45.5	25.8	17.9
28-Jan	50.0	42.0	37.1	23.0	4.0	37.1	43.5	24.2	16.2
4-Feb	52.0	45.1	36.5	21.7	-5.0	43.4	47.0	23.7	15.8
11-Feb	52.0	43.9	39.8	24.8	-6.0	37.8	43.9	26.2	18.0
18-Feb	55.0	45.6	44.6	30.0	14.0	44.8	46.6	31.0	20.9
25-Feb	61.0	48.3	47.5	30.5	21.0	46.2	51.9	30.9	21.1
4-Mar	63.0	48.8	50.3	32.1	16.0	44.8	51.2	31.8	21.9
11-Mar	63.0	48.9	52.0	33.1	23.0	49.0	51.5	33.7	22.8
18-Mar	66.0	49.3	52.9	33.4	24.0	49.0	50.9	32.4	21.7
25-Mar	67.0	49.0	54.2	33.8	25.0	47.6	49.6	32.9	21.0
1-Apr	72.0	51.9	55.2	34.0	25.0	47.6	50.3	32.6	20.5
8-Apr	75.0	53.1	59.0	36.6	28.0	51.8	50.9	35.2	22.4
15-Apr	76.0	53.8	61.0	37.9	30.0	52.5	56.9	36.4	22.6
22-Apr	82.0	56.1	63.1	40.2	28.0	59.5	57.8	39.8	25.3
29-Apr	82.0	54.8	62.7	40.7	32.0	57.4	57.4	40.1	25.5
6-May	85.0	57.4	66.0	41.9	32.0	62.3	62.5	42.3	27.0
13-May	88.0	58.6	68.5	44.0	34.0	66.5	62.8	44.2	28.2
20-May	87.0	58.6	70.2	45.3	35.0	66.5	62.6	46.8	29.8
27-May	89.0	60.0	73.0	47.5	38.0	66.5	66.5	48.7	30.5
3-Jun	92.0	64.1	74.5	48.7	39.0	75.6	65.9	49.8	32.1
10-Jun	91.0	60.8	76.7	50.7	41.0	74.9	67.2	52.0	33.6
17-Jun	96.0	61.3	79.1	51.7	42.0	69.3	70.3	51.7	32.4
24-Jun	99.0	63.8	82.6	54.4	45.0	72.1	74.2	54.3	34.4
1-Jul	97.0	63.0	84.9	55.8	47.0	83.3	69.5	56.0	34.7
8-Jul	99.0	64.9	86.0	55.9	47.0	77.7	74.2	58.2	35.4
15-Jul	99.0	65.6	87.8	57.4	50.0	93.1	74.7	58.6	36.3
22-Jul	99.0	64.9	89.5	58.8	50.0	79.8	75.2	58.9	36.5
29-Jul	100.0	66.1	91.9	61.4	52.0	86.1	73.0	60.8	39.2
5-Aug	99.0	64.7	90.9	59.1	50.0	79.8	76.6	56.6	35.1
12-Aug	100.0	64.3	90.4	59.3	49.0	88.9	77.6	56.7	34.7
19-Aug	99.0	65.2	86.4	58.2	48.0	79.8	74.2	58.4	36.7
26-Aug	95.0	63.5	84.8	55.9	46.0	79.1	67.7	56.2	35.5
2-Sep	94.0	60.9	83.8	54.7	46.0	78.4	70.4	51.9	31.4
9-Sep	92.0	61.9	82.4	53.1	44.0	77.0	65.3	51.4	32.0
16-Sep	90.0	60.9	77.0	49.9	41.0	77.0	62.2	46.5	30.2
23-Sep	88.0	58.9	73.8	46.7	35.0	72.1	60.6	44.1	28.2
30-Sep	87.0	58.8	74.1	47.3	35.0	71.4	64.8	45.6	29.9
7-Oct	84.0	57.1	70.0	43.3	33.0	58.1	57.3	40.4	26.1
14-Oct	80.0	55.1	66.9	41.4	30.0	56.7	54.4	38.6	25.3
21-Oct	75.0	53.6	64.5	38.9	28.0	54.6	52.9	35.9	24.1
28-Oct	72.0	52.5	60.6	37.9	28.0	55.3	53.6	36.7	24.5
4-Nov	68.0	51.2	54.6	34.8	22.0	56.7	53.4	34.7	23.7
11-Nov	62.0	48.5	51.1	33.9	22.0	49.7	50.8	34.9	23.7
18-Nov	59.0	47.0	47.9	31.8	19.0	52.5	49.2	32.4	22.2
25-Nov	57.0	45.0	43.4	28.0	9.0	45.5	49.8	29.5	19.4
2-Dec	53.0	43.9	40.0	26.0	7.0	45.5	48.6	27.0	17.8
9-Dec	54.0	44.4	41.4	27.3	11.0	40.6	48.5	28.1	18.8
16-Dec	54.0	44.9	38.7	24.7	1.0	42.7	50.7	25.7	17.0
23-Dec	49.0	42.4	34.2	20.4	-13.0	39.2	46.1	23.1	15.1
31-Dec	51.0	44.0	33.4	19.4	-5.0	41.3	48.3	22.8	14.9

BOISE

ID

WMO No. 726810

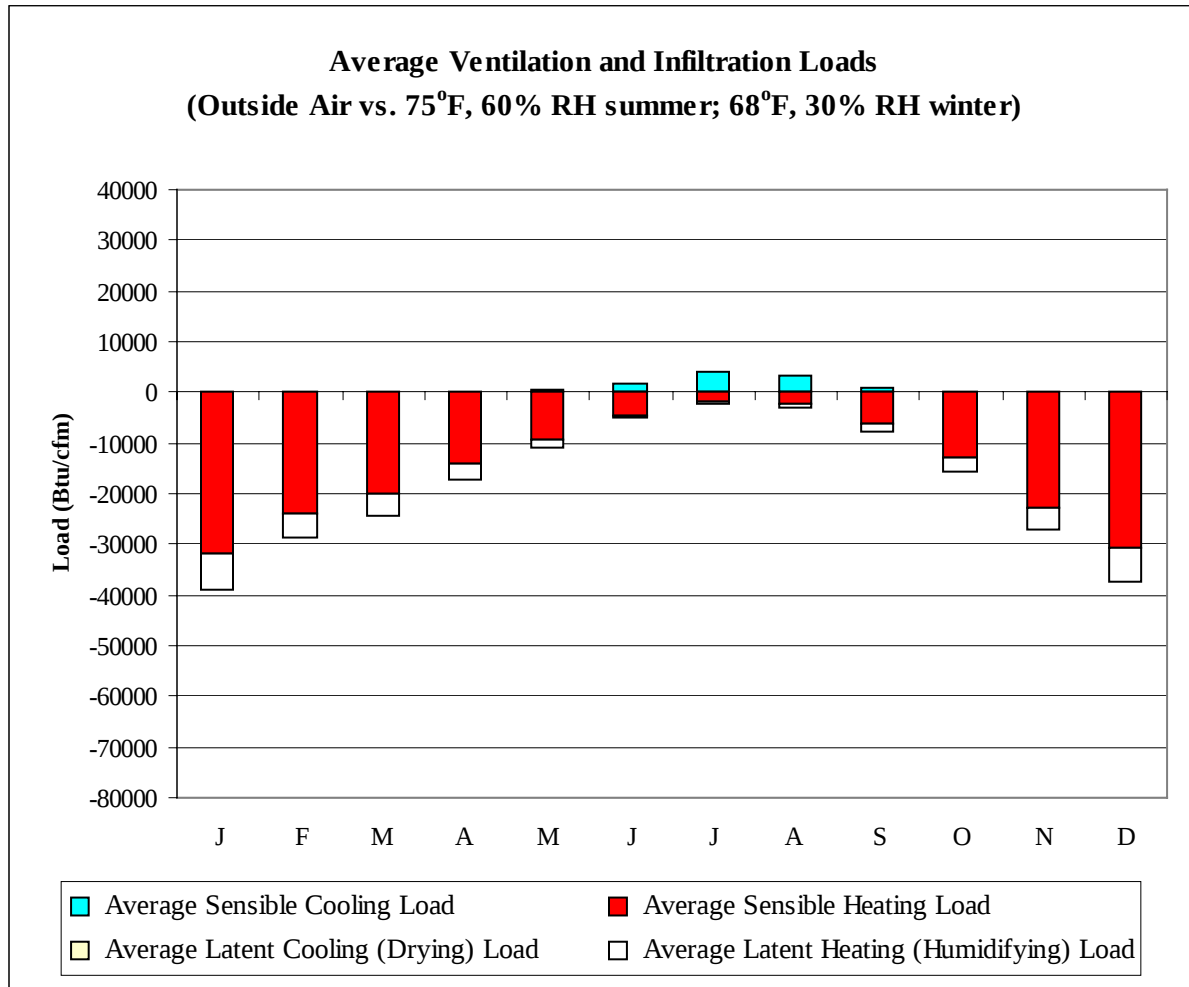


	Mean Cooling Degree Days (°F)	Mean Heating Degree Days (°F)
JAN	0	1135
FEB	0	840
MAR	2	685
APR	20	462
MAY	70	288
JUN	188	125
JUL	341	50
AUG	302	59
SEP	127	184
OCT	25	424
NOV	0	795
DEC	0	1085
ANN	1075	6132

BOISE

ID

WMO No. 726810



	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	-31824	0	-6962
FEB	0	-23965	0	-4834
MAR	1	-20136	0	-4168
APR	77	-14121	0	-2971
MAY	463	-9324	0	-1527
JUN	1744	-4423	4	-719
JUL	3901	-2002	24	-323
AUG	3303	-2341	14	-552
SEP	1011	-6236	2	-1412
OCT	89	-13052	0	-2792
NOV	0	-22928	0	-4349
DEC	0	-30545	0	-6652
ANN	10589	-180897	44	-37261

Average Annual Solar Radiation – Nearest Available Site

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

City: BOISE
 State: ID
 WBAN No: 24131
 Lat(N): 43.57
 Long(W): 116.22
 Elev(ft): 2868

Stn Type: Primary
 SHADING GEOMETRY IN DIMENSIONLESS UNITS
 Window: 1
 Overhang: 0.636
 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	510	790	1200	1670	2070	2290	2410	2080	1620	1080	590	450	1400
	Std Dev	50	91	105	149	133	141	109	127	117	79	62	49	37
	Minimum	410	590	990	1340	1730	1870	2170	1780	1350	920	450	380	1340
	Maximum	630	950	1400	1930	2290	2540	2620	2290	1830	1240	720	560	1460
	Diffuse	310	390	530	660	700	680	530	500	410	350	300	260	470
Clear Day	Global	780	1130	1660	2230	2610	2770	2680	2350	1840	1280	840	670	1740
NORTH	Global	180	240	330	440	580	680	640	480	340	260	180	150	380
	Diffuse	180	240	330	430	490	520	480	430	340	260	180	150	340
Clear Day	Global	150	210	290	400	600	730	660	470	320	230	160	140	360
EAST	Global	340	530	790	1050	1220	1340	1420	1270	1060	740	410	310	880
	Diffuse	220	300	410	530	590	610	570	520	420	330	220	190	410
Clear Day	Global	650	880	1170	1440	1590	1640	1600	1480	1250	950	680	570	1160
SOUTH	Global	820	1060	1180	1150	1020	950	1040	1220	1440	1420	950	800	1090
	Diffuse	330	400	490	560	570	560	520	510	460	410	320	290	450
Clear Day	Global	1920	2030	1930	1560	1220	1050	1110	1400	1770	1990	1920	1840	1640
WEST	Global	350	530	770	1010	1210	1290	1410	1270	1060	740	410	320	870
	Diffuse	220	300	420	540	600	620	570	520	430	330	230	190	410
Clear Day	Global	650	880	1170	1440	1590	1640	1600	1480	1250	950	680	570	1160

Average Annual Solar Heat and Illumination – Nearest Available Site

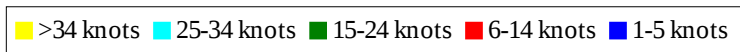
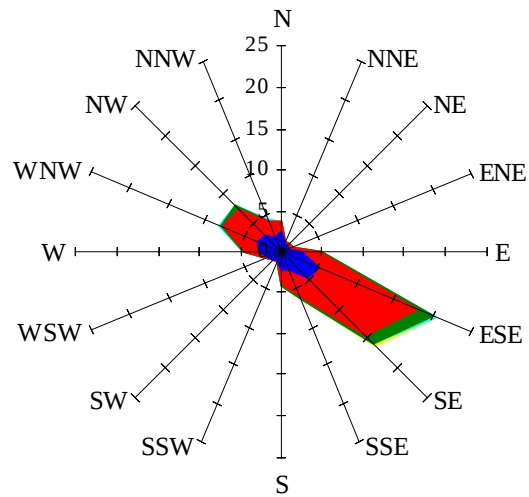
(Source: National Renewable Energy Laboratory, Golden CO, 1995)

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	530	840	1200	1500	1670	1760	1510	1150	730	380	280	990
NORTH	Unshaded	120	170	230	300	370	430	400	310	240	180	130	110	250
	Shaded	100	140	200	260	330	380	360	280	210	160	110	89	220
EAST	Unshaded	240	370	560	750	870	960	1020	910	760	530	280	210	620
	Shaded	200	320	480	630	720	790	840	760	640	460	240	180	520
SOUTH	Unshaded	610	780	830	760	630	570	610	770	990	1030	710	610	740
	Shaded	590	710	630	450	350	340	330	380	650	890	680	590	550
WEST	Unshaded	240	370	550	720	870	920	1010	910	760	530	280	220	620
	Shaded	210	320	470	610	720	750	830	750	650	460	250	190	520

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	24	60	77	69	39	37	75	98	101	82
	M.Cloudy	15	39	51	46	25	25	55	75	75	60
NORTH	M.Clear	7	12	14	13	9	22	14	16	16	15
	M.Cloudy	6	13	16	15	9	14	16	18	18	17
EAST	M.Clear	69	69	25	13	9	79	82	48	16	15
	M.Cloudy	24	36	21	15	9	38	53	39	18	17
SOUTH	M.Clear	27	69	88	78	45	9	27	50	52	34
	M.Cloudy	12	35	48	43	22	9	23	40	41	28
WEST	M.Clear	7	12	14	54	77	9	14	16	35	76
	M.Cloudy	6	13	16	32	33	9	16	18	31	51
M.Clear	(% hrs)	29	29	25	23	27	53	52	50	49	45
		Sept					Dec				
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	15	54	80	82	60	3	28	41	31	6
	M.Cloudy	10	37	56	58	42	2	16	25	19	4
NORTH	M.Clear	5	11	14	14	12	2	8	10	8	3
	M.Cloudy	4	12	16	16	13	1	7	10	8	2
EAST	M.Clear	56	80	45	14	12	13	45	13	8	3
	M.Cloudy	19	43	32	16	13	3	15	11	8	2
SOUTH	M.Clear	11	50	78	80	56	10	69	89	73	21
	M.Cloudy	6	30	50	53	35	3	20	31	24	6
WEST	M.Clear	5	11	14	37	76	2	8	10	40	25
	M.Cloudy	4	12	16	29	45	1	7	10	16	7
M.Clear	(% hrs)	61	63	62	61	61	20	22	22	23	24

Wind Summary - December, January, and February

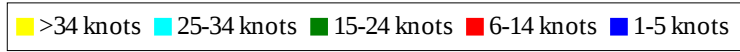
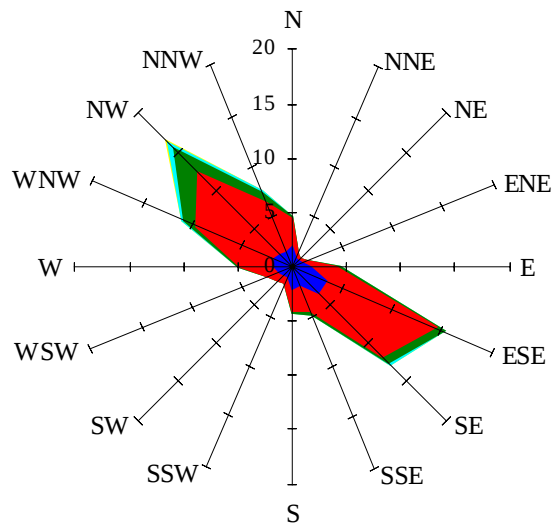
Labels of Percent Frequency on North Axis



Percent Calm = 11.66

Wind Summary - March, April, and May

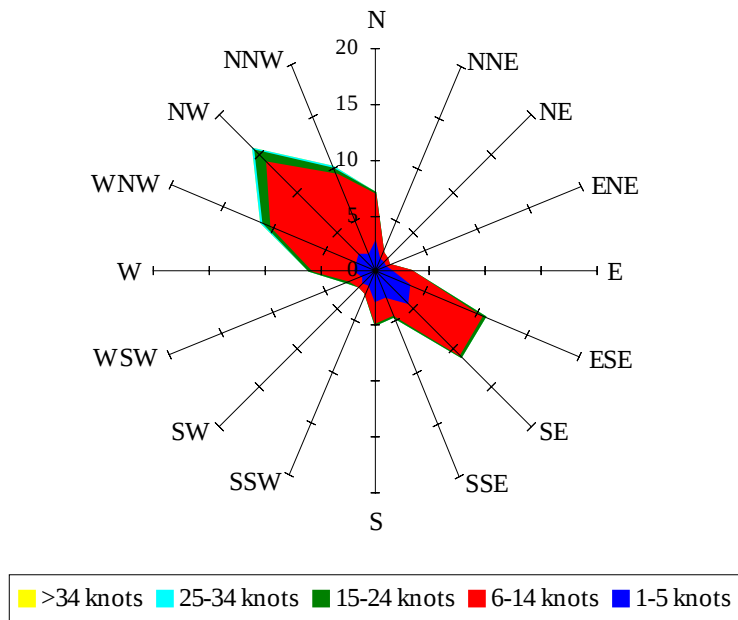
Labels of Percent Frequency on North Axis



Percent Calm = 4.35

Wind Summary - June, July, and August

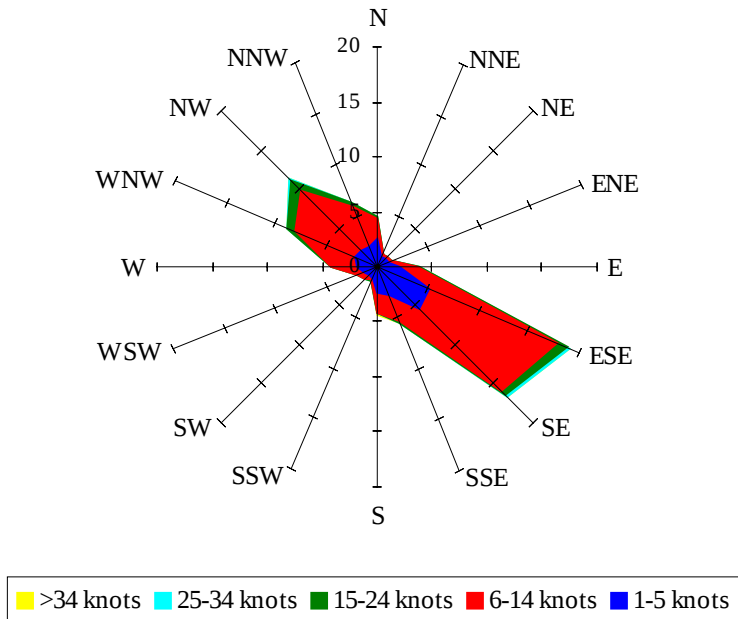
Labels of Percent Frequency on North Axis



Percent Calm = 4.08

Wind Summary - September, October, and November

Labels of Percent Frequency on North Axis



Percent Calm = 7.05