

POCATELLO ID

Latitude = 42.92 N

Longitude = 112.60 W

Period of Record = 1973 to 1996

WMO No. 725780

Elevation = 4479 feet

Average Pressure = 25.47 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	99	62	39	10.9	W
0.4% Occurrence	93	61	43	10.7	W
1.0% Occurrence	91	61	44	10.7	W
2.0% Occurrence	88	60	45	10.8	W
Mean Daily Range	24	-	-	-	-
97.5% Occurrence	8	7	8	5.2	NE
99.0% Occurrence	-1	-2	5	4.8	NE
99.6% Occurrence	-7	-8	3	4.8	NE
Median of Extreme Lows	-15	-15	2	3.8	NE
	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	68	88	87	8.9	N
0.4% Occurrence	64	85	71	9.4	N
1.0% Occurrence	63	84	66	9.9	W
2.0% Occurrence	62	83	63	9.9	WSW
	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	76	0.54	6.9	S
0.4% Occurrence	84	70	0.49	8.2	N
1.0% Occurrence	76	72	0.44	8.8	S
2.0% Occurrence	71	70	0.41	8.3	S
Air Conditioning/ Humid Area Criteria	# of Hours	T ≥ 93°F 51	T ≥ 80°F 577	T _{wb} ≥ 73°F 0	T _{wb} ≥ 67°F 8

Other Site Data

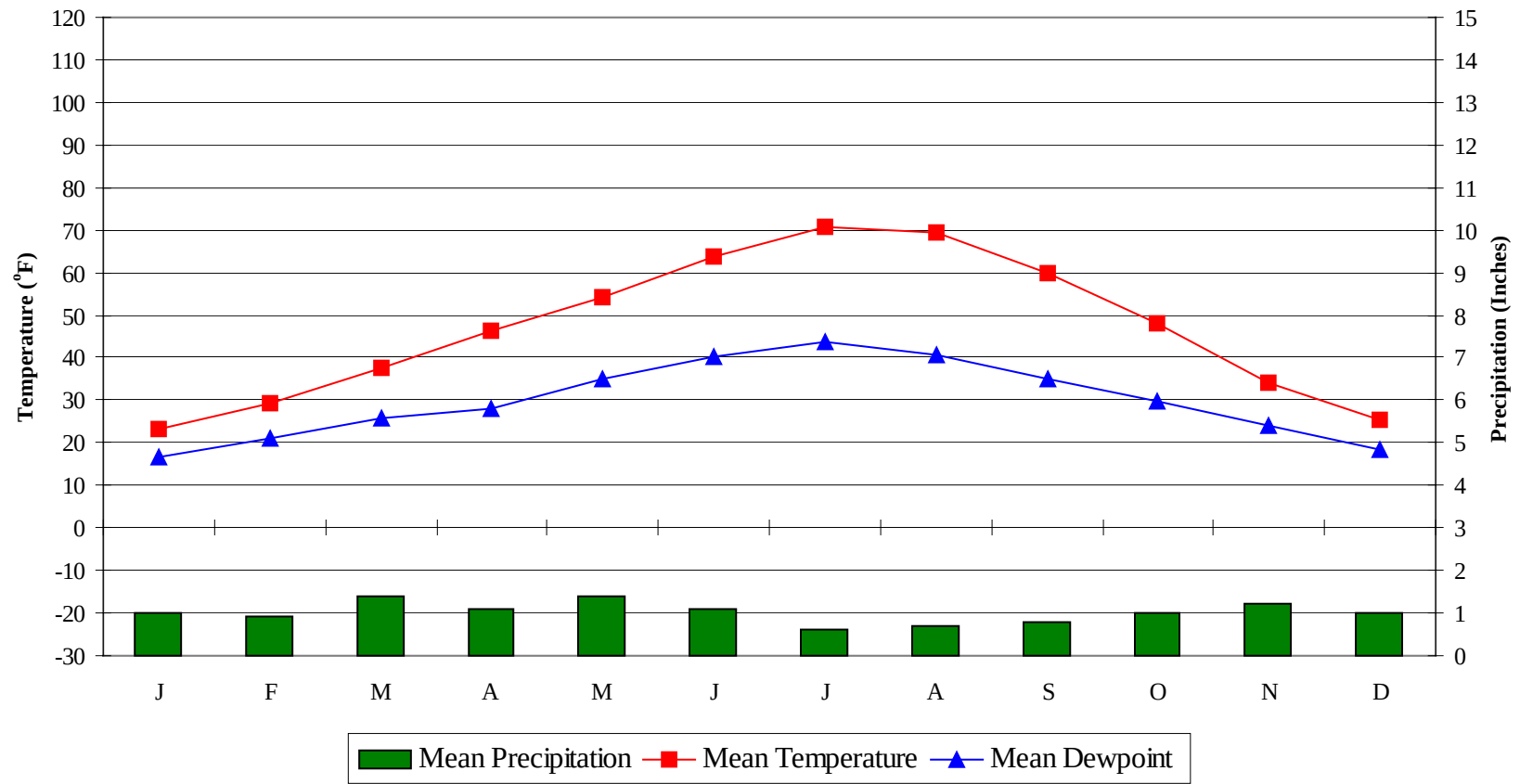
Weather Region	Rain Rate 100 Year Recurrence (in./hr)	Basic Wind Speed 3 sec gust @ 33 ft 50 Year Recurrence (mph)	Ventilation Cooling Load Index (Ton-hr/cfm/yr) Base 75°F-RH 60% Latent + Sensible
5	1.0	90	0.0 + 0.6
Ground Water Temperature (°F) 50 Foot Depth *	Frost Depth 50 Year Recurrence (in.)	Ground Snow Load 50 Year Recurrence (lb/ft ²)	Average Annual Freeze-Thaw Cycles (#)
49.3	N/A	10	96

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

POCATELLO ID

WMO No. 725780

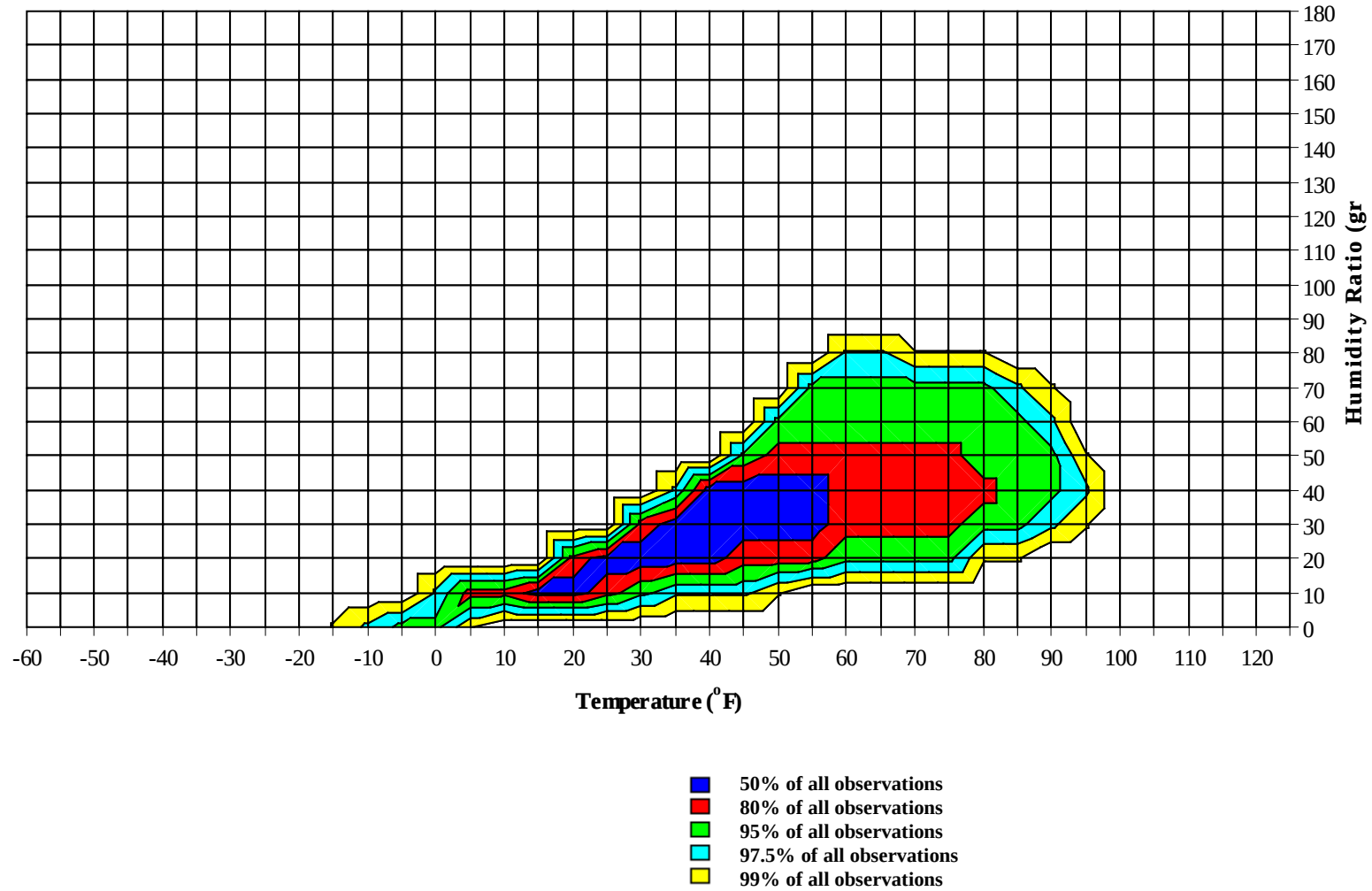
Average Annual Climate



POCATELLO ID

WMO No. 725780

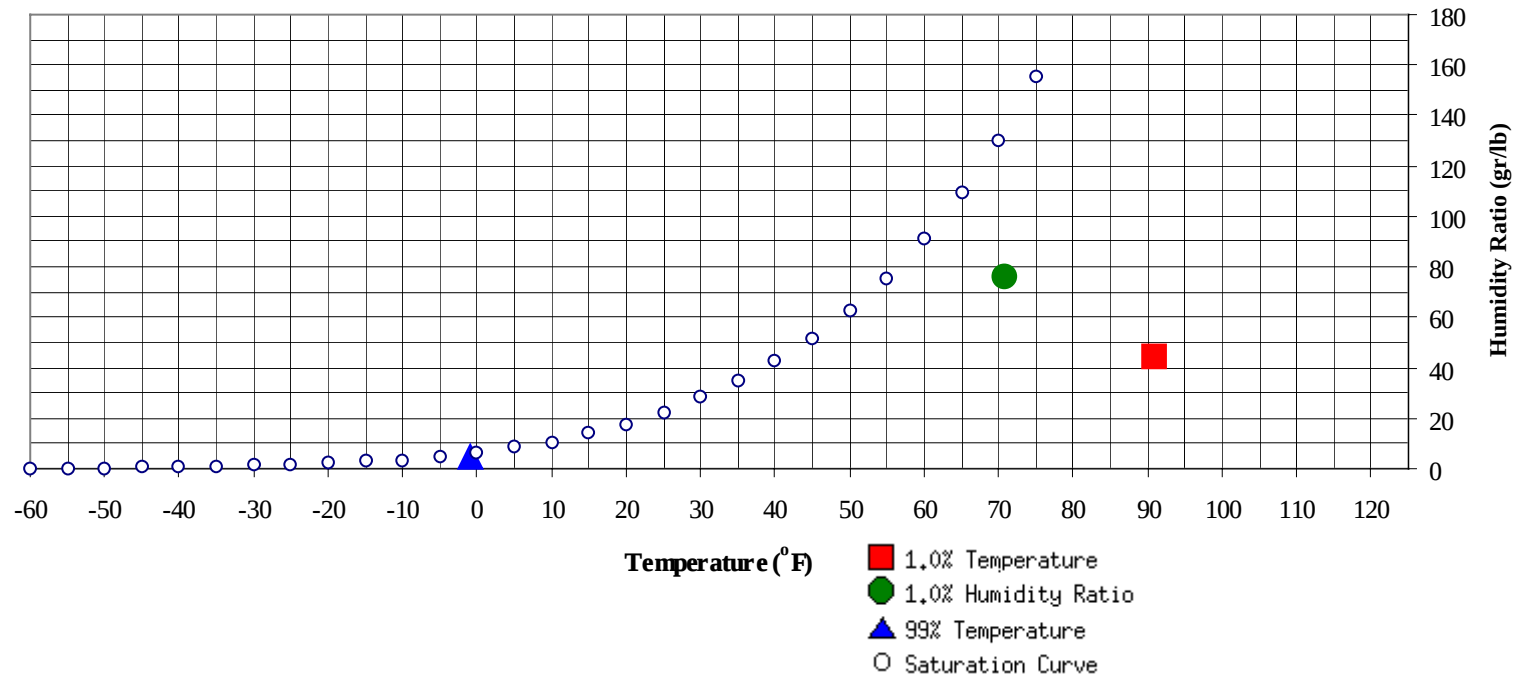
Long Term Psychrometric Summary



POCATELLO ID

WMO No. 725780

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	-1	4.6	0.5		76.3	70.7	60.5	55.1	28.9

	(°F)	MCHR (gr/lb)	MCWB (°F)	Enthalpy (btu/lb)
1.0% Dry Bulb	91	44.2	60.7	28.8

POCATELLO ID

WMO No. 725780

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												0		0	52.0
70 / 74												1	0	1	50.1
65 / 69												3	1	4	47.5
60 / 64							1	0	1	48.7		8	3	12	45.6
55 / 59		0		0	42.0		4	1	5	44.9	0	16	8	24	43.5
50 / 54	0	2	1	3	40.2	0	9	4	13	41.7	2	28	17	48	41.2
45 / 49	2	6	2	10	38.5	3	20	10	33	39.2	8	42	30	80	38.8
40 / 44	8	17	10	35	36.0	12	30	25	67	36.6	28	50	51	129	36.3
35 / 39	22	35	35	92	33.1	29	39	44	112	33.1	50	45	55	151	33.1
30 / 34	38	48	45	132	29.5	45	43	48	136	29.3	71	33	51	155	29.4
25 / 29	34	40	43	117	25.1	44	31	37	112	24.9	51	13	20	84	25.1
20 / 24	36	32	35	104	20.6	29	17	21	66	20.5	22	4	7	34	20.5
15 / 19	33	25	27	85	15.9	20	11	14	44	15.8	9	2	3	14	16.0
10 / 14	21	15	17	53	11.1	14	7	9	30	11.0	5	1	1	7	11.0
5 / 9	17	11	14	41	6.1	14	4	4	23	6.2	1	0	0	2	6.5
0 / 4	16	7	10	32	1.3	7	3	3	13	1.3	0	0	0	0	1.3
-5 / -1	10	4	4	17	-3.1	2	1	2	5	-3.1	0		0	0	-3.4
-10 / -6	6	2	3	11	-7.3	3	1	1	5	-7.5	0		0	0	-6.7
-15 / -11	3	1	2	6	-12.0	2	0	1	4	-11.9	0			0	-12.0
-20 / -16	2	0	1	3	-16.8	1	0	0	1	-16.6					
-25 / -21	1	0	0	1	-21.6	0	0	0	0	-21.1					
-30 / -26	0			0	-26.3	0		0	0	-27.3					

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.

POCATELLO ID

WMO No. 725780

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	63.5
95 / 99												2	1	3	62.0
90 / 94												10	5	14	61.0
85 / 89		0		0	54.2		2	1	3	57.8	0	19	10	29	59.7
80 / 84		2	1	3	53.1		11	5	16	56.3	0	31	18	50	58.0
75 / 79		6	3	9	51.6	0	19	8	27	54.6	3	39	25	66	56.4
70 / 74	0	11	6	17	50.1	1	29	18	47	52.8	6	41	31	78	54.6
65 / 69	1	19	9	29	48.3	3	35	23	60	50.8	13	35	36	84	52.7
60 / 64	2	25	17	43	46.0	9	40	34	83	48.5	27	28	39	93	50.7
55 / 59	5	32	25	62	43.8	22	40	43	105	46.6	47	18	35	100	48.4
50 / 54	15	40	36	91	41.6	41	29	42	113	44.4	63	11	25	98	46.2
45 / 49	30	42	44	116	39.3	56	22	37	114	41.4	48	6	13	67	42.7
40 / 44	50	33	45	128	36.3	58	15	28	101	38.2	23	1	3	28	38.9
35 / 39	55	20	33	108	32.8	38	5	8	52	34.1	7	0	1	8	34.7
30 / 34	56	9	19	84	29.2	16	1	2	19	30.1	1		0	1	30.5
25 / 29	21	1	3	25	24.8	2		0	2	25.0	0			0	28.0
20 / 24	5	0	0	6	20.2	0			0	19.0					
15 / 19	0			0	16.6										
10 / 14															
5 / 9															
0 / 4															
-5 / -1															
-10 / -6															
-15 / -11															
-20 / -16															
-25 / -21															
-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.

POCATELLO ID

WMO No. 725780

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		0	0	0	62.7		0	0	1	62.0					
95 / 99		8	3	11	62.2		5	2	8	61.4		0		0	60.8
90 / 94		30	16	46	61.3		27	12	39	60.2		5	1	6	59.5
85 / 89		44	24	68	60.5		46	23	69	59.2		15	5	21	57.4
80 / 84	1	51	30	81	59.4	0	50	27	77	58.1	0	26	11	37	55.8
75 / 79	5	47	38	89	58.0	4	45	34	84	56.7	1	36	18	54	54.4
70 / 74	17	37	44	97	56.2	12	37	43	92	54.9	2	40	26	69	52.6
65 / 69	31	19	39	88	54.5	26	22	40	89	53.2	7	35	31	73	51.0
60 / 64	58	9	31	99	52.4	48	13	36	97	51.2	14	32	38	83	48.9
55 / 59	63	4	16	83	49.8	64	5	20	88	48.8	29	25	39	92	46.8
50 / 54	47	1	7	55	46.7	52	2	9	63	45.6	50	16	34	100	44.3
45 / 49	18	0	1	19	43.0	26	0	2	28	41.8	54	9	22	85	41.2
40 / 44	6		0	6	39.2	8		0	9	37.6	44	3	10	57	37.5
35 / 39	0			0	34.0	2			2	33.6	23	1	4	28	33.4
30 / 34						0			0	28.2	11	0	0	11	29.1
25 / 29											3		0	3	24.7
20 / 24											1			1	20.5
15 / 19															
10 / 14															
5 / 9															
0 / 4															
-5 / -1															
-10 / -6															
-15 / -11															
-20 / -16															
-25 / -21															
-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.

POCATELLO ID

WMO No. 725780

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	0	53.5										
80 / 84		3	1	4	53.8										
75 / 79		11	3	14	52.5										
70 / 74	0	18	6	24	50.6		0		0	47.0					
65 / 69	1	26	13	39	48.7		1		1	47.7					
60 / 64	4	37	22	62	46.8		8	1	9	46.7		0		0	48.0
55 / 59	8	36	33	76	44.6	2	12	4	18	44.4	0	1	0	1	44.8
50 / 54	19	36	43	97	42.4	5	20	14	38	42.0	1	4	1	6	41.2
45 / 49	34	31	40	105	40.0	11	30	23	64	39.5	5	10	7	23	39.1
40 / 44	49	27	42	118	37.0	24	38	34	95	36.5	11	21	13	45	36.2
35 / 39	54	15	27	95	33.3	40	42	48	130	33.2	23	36	31	90	32.8
30 / 34	42	7	16	66	29.3	47	40	50	137	29.3	34	53	47	134	29.2
25 / 29	24	1	5	30	25.0	42	26	32	100	25.1	40	47	46	133	24.9
20 / 24	9	0	1	10	20.8	29	12	19	60	20.6	37	31	42	109	20.6
15 / 19	2	0	0	2	16.5	20	5	8	34	16.1	35	18	26	78	15.9
10 / 14	0			0	12.0	9	3	4	16	11.0	26	10	15	51	11.3
5 / 9						4	1	2	7	6.4	16	7	8	30	6.4
0 / 4						2	1	1	5	1.4	8	4	7	18	1.6
-5 / -1						2	0	1	3	-2.9	5	3	3	10	-2.7
-10 / -6						1	0	1	2	-7.1	4	1	2	7	-7.2
-15 / -11						1		0	1	-11.5	2	1	1	4	-12.4
-20 / -16											1	1	1	3	-16.8
-25 / -21											1	0	0	1	-21.5
-30 / -26											0	0		0	-26.3

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.

POCATELLO ID

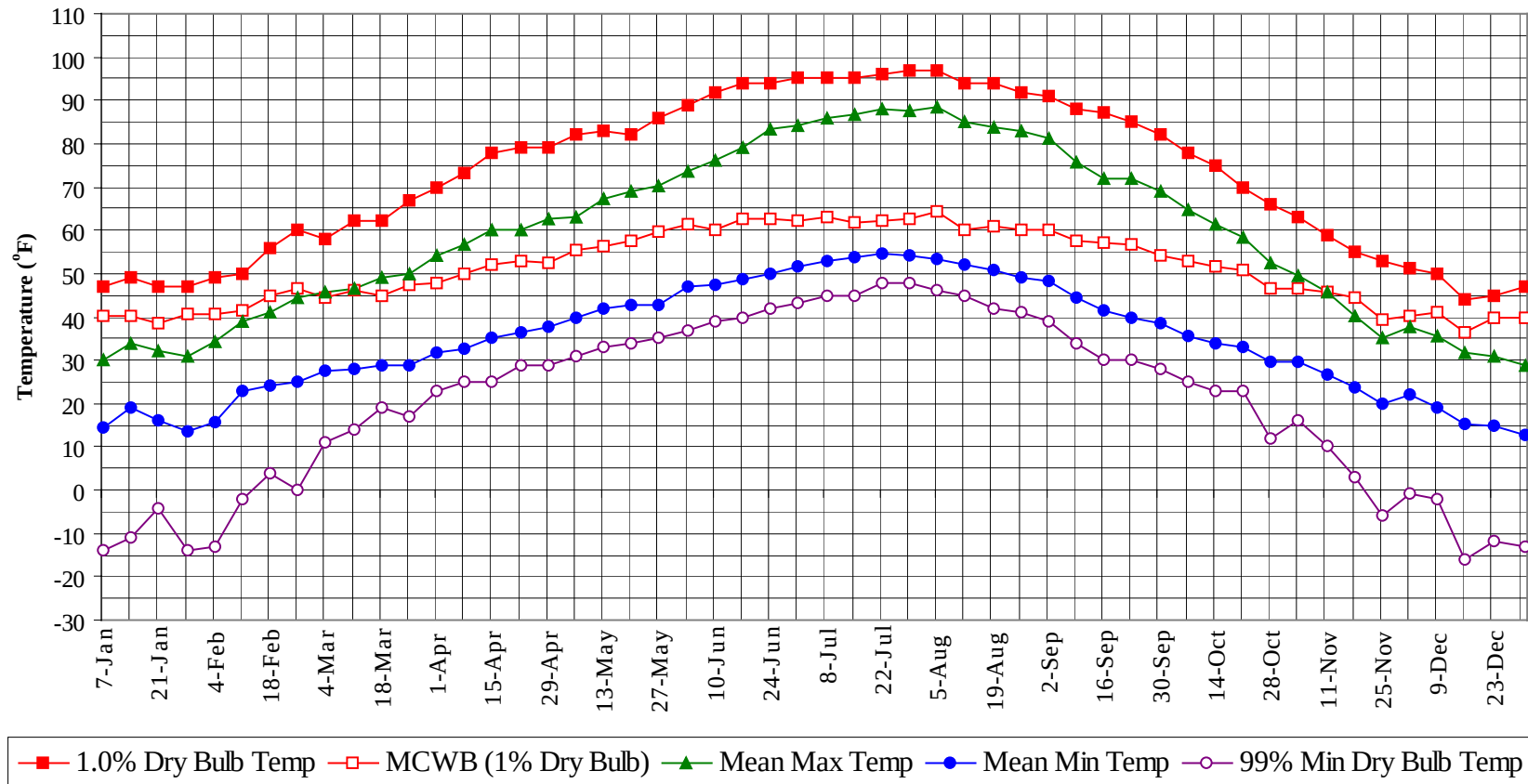
WMO No. 725780

Dry-Bulb Temperature Hours For An Average Year (Sheet 5 of 5)**Period of Record = 1973 to 1996**

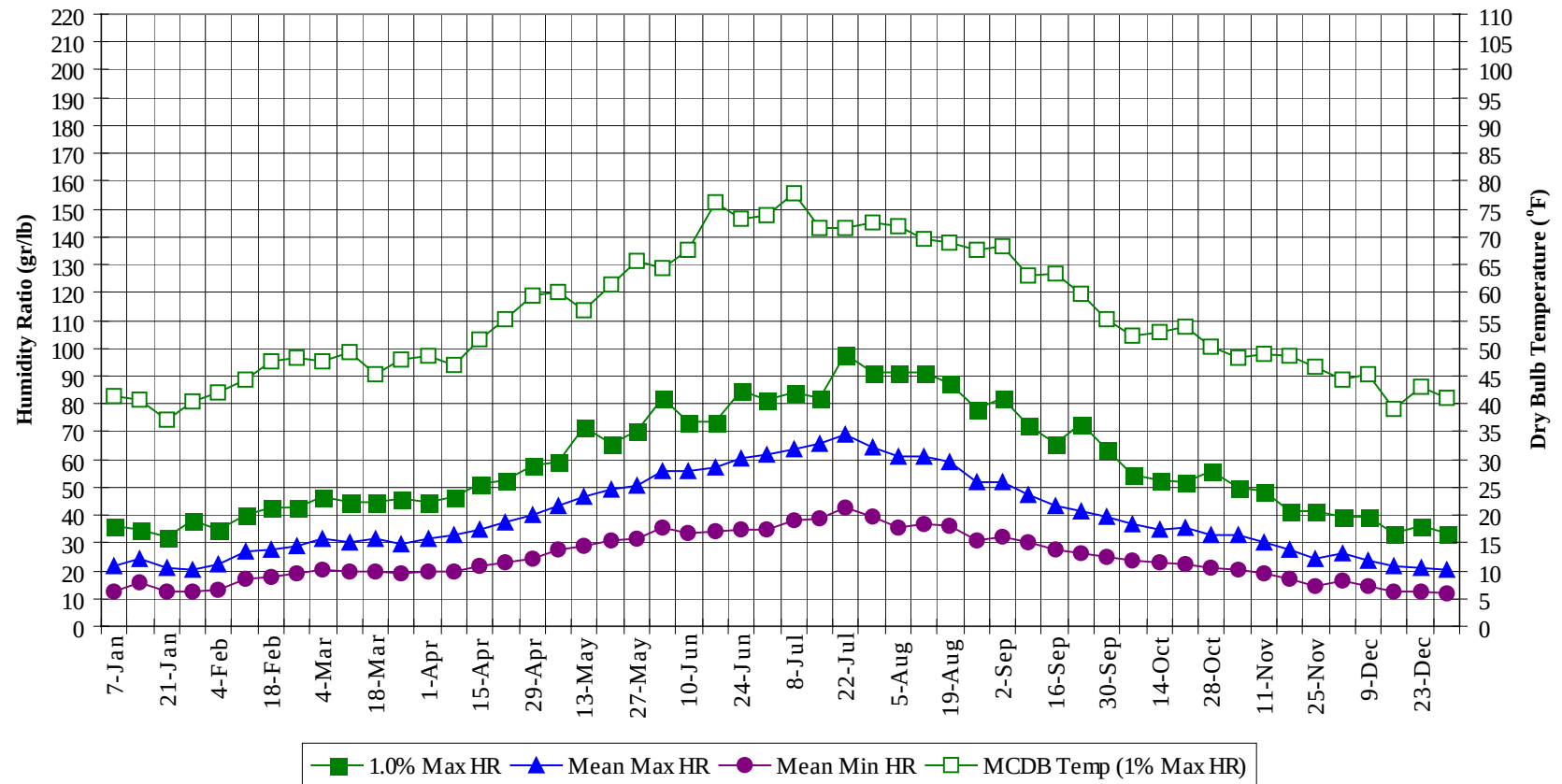
Temperature Range (°F)	Annual Totals				
	Hour Group (LST)			Total Obs	M C W B (°F)
	01 To 08	09 To 16	17 To 00		
100 / 104		1	0	1	62.4
95 / 99		16	7	22	61.9
90 / 94		70	34	104	60.7
85 / 89	0	124	62	186	59.5
80 / 84	1	173	91	265	57.9
75 / 79	12	201	127	340	56.2
70 / 74	37	213	171	421	54.1
65 / 69	81	193	190	464	51.9
60 / 64	160	200	219	579	49.5
55 / 59	238	192	222	652	46.9
50 / 54	292	199	232	723	43.8
45 / 49	293	220	232	745	40.4
40 / 44	321	237	263	821	36.8
35 / 39	346	240	288	875	33.1
30 / 34	364	236	281	881	29.3
25 / 29	263	160	187	611	25.0
20 / 24	170	97	126	392	20.5
15 / 19	120	62	78	260	15.9
10 / 14	76	36	46	158	11.1
5 / 9	52	24	29	104	6.3
0 / 4	33	14	22	69	1.4
-5 / -1	19	8	10	37	-3.0
-10 / -6	14	4	7	25	-7.3
-15 / -11	9	2	4	15	-12.1
-20 / -16	4	1	2	7	-16.7
-25 / -21	2	0	1	3	-21.5
-30 / -26	1	0	0	1	-26.7

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



POCATELLO ID

WMO No. 725780

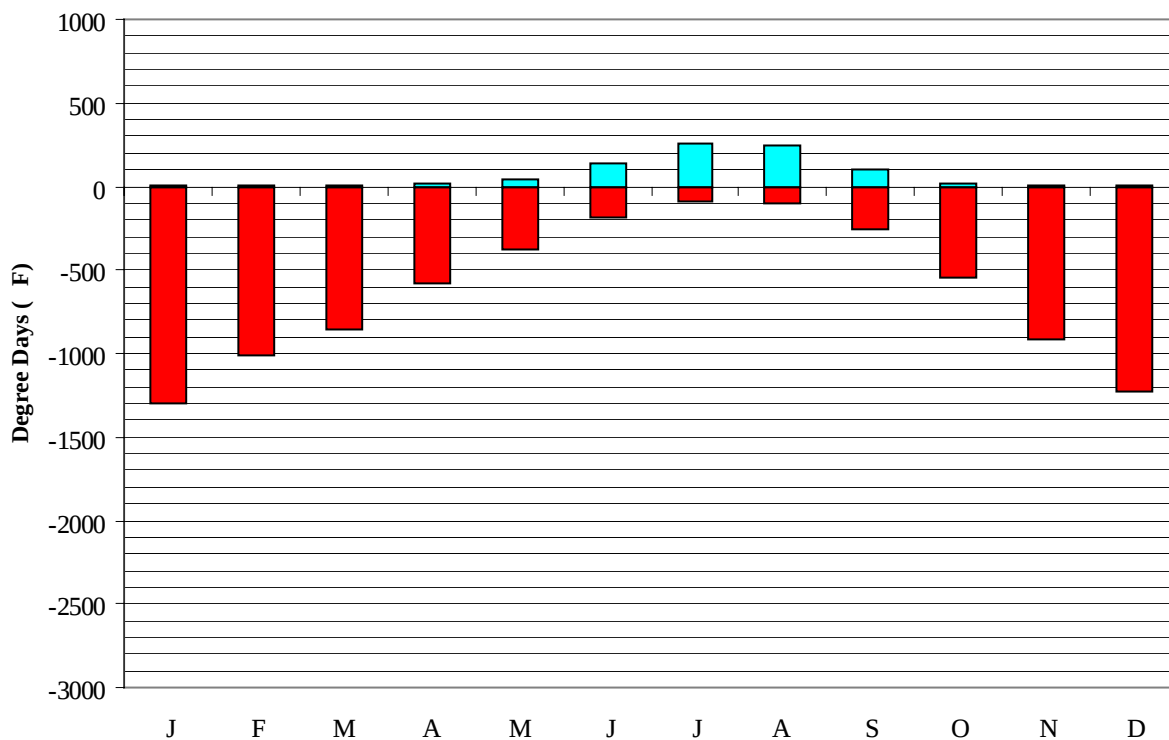
Long Term Dry Bulb Temperature and Humidity Summary

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	47.0	40.2	30.0	14.4	-14.0	36.4	41.4	21.6	12.8
14-Jan	49.0	40.3	33.7	19.1	-11.0	35.0	40.7	24.3	15.6
21-Jan	47.0	38.4	32.1	16.0	-4.0	32.2	37.1	21.3	12.6
28-Jan	47.0	40.5	31.1	13.5	-14.0	37.8	40.3	20.7	12.2
4-Feb	49.0	40.5	34.1	15.8	-13.0	35.0	41.9	22.6	13.2
11-Feb	50.0	41.4	38.7	23.0	-2.0	39.9	44.2	26.9	17.1
18-Feb	56.0	44.8	41.0	24.2	4.0	42.7	47.5	27.7	17.8
25-Feb	60.0	46.6	44.5	24.8	0.0	42.7	48.2	29.2	19.0
4-Mar	58.0	44.6	45.8	27.4	11.0	46.9	47.7	31.2	20.4
11-Mar	62.0	46.3	46.6	28.0	14.0	44.8	49.2	30.2	19.4
18-Mar	62.0	45.0	49.0	28.8	19.0	44.8	45.3	31.4	19.7
25-Mar	67.0	47.6	50.0	28.7	17.0	46.2	48.0	29.7	19.1
1-Apr	70.0	48.0	54.1	31.9	23.0	44.8	48.5	31.8	19.8
8-Apr	73.0	50.0	56.5	32.6	25.0	46.9	46.9	33.1	19.9
15-Apr	78.0	52.0	60.1	35.2	25.0	51.1	51.6	35.1	21.6
22-Apr	79.0	53.0	60.1	36.3	29.0	52.5	55.2	37.3	22.7
29-Apr	79.0	52.7	62.8	37.5	29.0	58.1	59.6	39.9	24.2
6-May	82.0	55.4	63.2	40.0	31.0	58.8	60.1	43.3	27.6
13-May	83.0	56.4	67.2	41.7	33.0	71.4	56.7	46.9	29.0
20-May	82.0	57.4	69.0	43.0	34.0	65.8	61.3	49.5	31.2
27-May	86.0	59.7	70.2	42.9	35.0	70.0	65.7	50.7	31.7
3-Jun	89.0	61.4	73.6	47.0	37.0	81.9	64.2	55.9	35.6
10-Jun	92.0	60.1	76.3	47.5	39.0	73.5	67.8	55.8	33.5
17-Jun	94.0	62.6	78.9	48.8	40.0	73.5	76.2	57.1	34.0
24-Jun	94.0	62.6	83.2	50.1	42.0	84.7	73.3	60.4	35.0
1-Jul	95.0	62.0	84.4	51.4	43.0	81.2	73.7	61.7	34.7
8-Jul	95.0	63.2	86.0	53.0	45.0	84.4	77.8	63.9	38.1
15-Jul	95.0	62.0	86.6	53.5	45.0	81.9	71.6	65.7	38.7
22-Jul	96.0	62.3	87.9	54.7	48.0	98.0	71.6	69.0	42.8
29-Jul	97.0	62.8	87.7	54.3	48.0	91.0	72.5	64.2	39.1
5-Aug	97.0	64.3	88.6	53.5	46.0	91.0	71.9	61.0	35.3
12-Aug	94.0	59.9	85.1	52.0	45.0	91.0	69.5	60.9	36.7
19-Aug	94.0	61.0	83.6	50.8	42.0	87.5	68.8	59.0	36.4
26-Aug	92.0	60.0	82.8	48.9	41.0	78.4	67.6	52.2	31.0
2-Sep	91.0	60.3	81.3	48.4	39.0	81.9	68.2	52.1	32.5
9-Sep	88.0	57.6	75.9	44.6	34.0	72.1	63.0	47.4	30.2
16-Sep	87.0	57.3	72.0	41.5	30.0	65.8	63.5	43.2	27.5
23-Sep	85.0	56.8	72.1	39.7	30.0	72.8	59.9	41.3	26.5
30-Sep	82.0	54.1	68.8	38.3	28.0	63.7	55.3	39.3	25.2
7-Oct	78.0	52.8	64.9	35.7	25.0	54.6	52.3	36.9	23.8
14-Oct	75.0	51.5	61.3	33.7	23.0	52.5	52.9	35.1	23.2
21-Oct	70.0	50.6	58.2	33.2	23.0	51.8	54.0	35.2	22.5
28-Oct	66.0	46.6	52.3	29.6	12.0	56.0	50.2	32.9	21.0
4-Nov	63.0	46.7	49.4	29.7	16.0	49.7	48.4	32.5	20.7
11-Nov	59.0	45.7	45.5	26.5	10.0	48.3	48.9	30.1	19.1
18-Nov	55.0	44.6	40.4	23.7	3.0	41.3	48.6	27.6	17.2
25-Nov	53.0	39.6	35.0	20.1	-6.0	41.3	46.8	24.6	14.6
2-Dec	51.0	40.4	37.6	21.9	-1.0	39.2	44.5	26.6	16.3
9-Dec	50.0	40.9	35.6	19.0	-2.0	39.2	45.4	24.0	14.2
16-Dec	44.0	36.4	31.9	15.1	-16.0	33.6	39.0	21.4	12.4
23-Dec	45.0	39.9	30.7	14.7	-12.0	36.4	43.0	21.2	12.6
31-Dec	47.0	39.8	29.0	12.7	-13.0	33.6	40.9	20.6	11.7

POCATELLO ID

WMO No. 725780

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



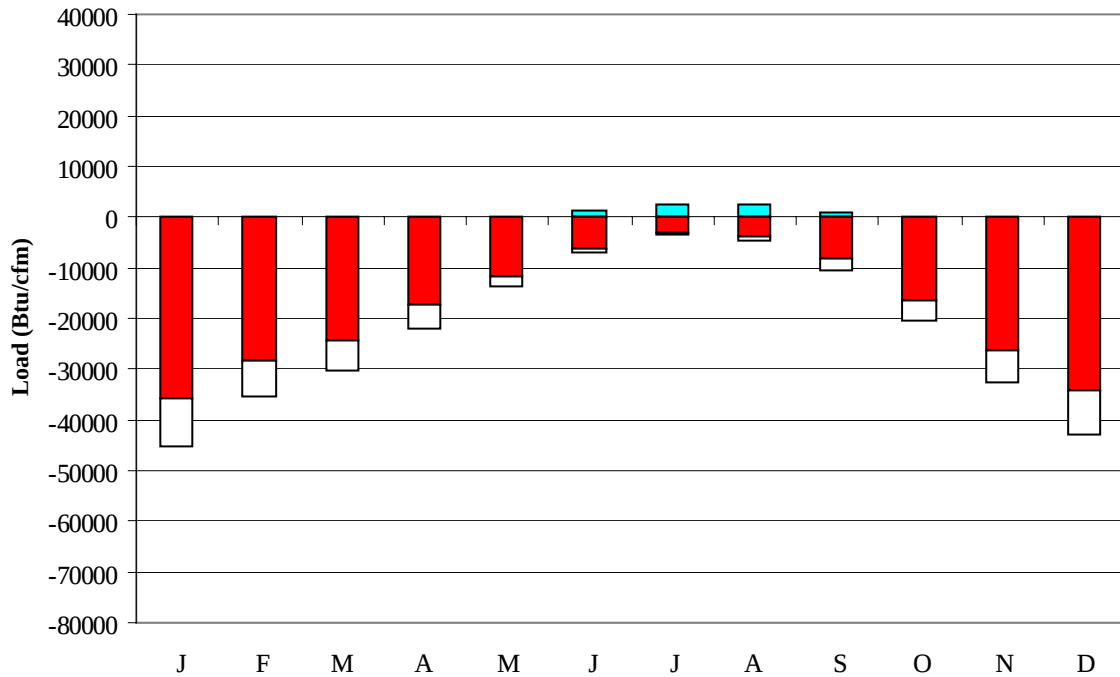
■ Mean Cooling Degree Days ■ Mean Heating Degree Days

	Mean Cooling Degree Days (°F)	Mean Heating Degree Days (°F)
JAN	0	1295
FEB	0	1014
MAR	0	852
APR	13	577
MAY	44	377
JUN	139	182
JUL	262	86
AUG	240	102
SEP	101	261
OCT	19	548
NOV	0	922
DEC	0	1226
ANN	819	7442

POCATELLO ID

WMO No. 725780

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	-35966	0	-9222
FEB	0	-28467	0	-7050
MAR	0	-24483	0	-5887
APR	37	-17139	0	-4670
MAY	196	-11786	0	-2083
JUN	1134	-6129	2	-796
JUL	2677	-3190	16	-374
AUG	2374	-3665	7	-914
SEP	724	-8350	0	-2183
OCT	57	-16409	0	-4117
NOV	0	-26237	0	-6278
DEC	0	-34190	0	-8762
ANN	7199	-216011	25	-52336

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)

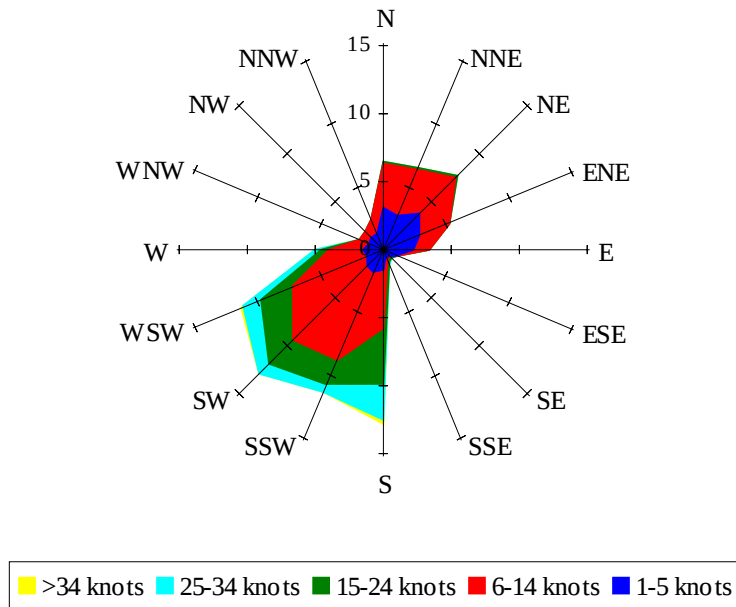
AVERAGE TRANSMITTED SOLAR RADIATION (Btu/sq.ft./day) FOR DOUBLE GLAZING, Percentage Uncertainty = 9		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
HORIZ	Unshaded	350	550	850	1150	1410	1610	1690	1460	1130	740	400	300	970
NORTH	Unshaded	130	180	240	300	360	420	390	310	240	180	140	110	250
	Shaded	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

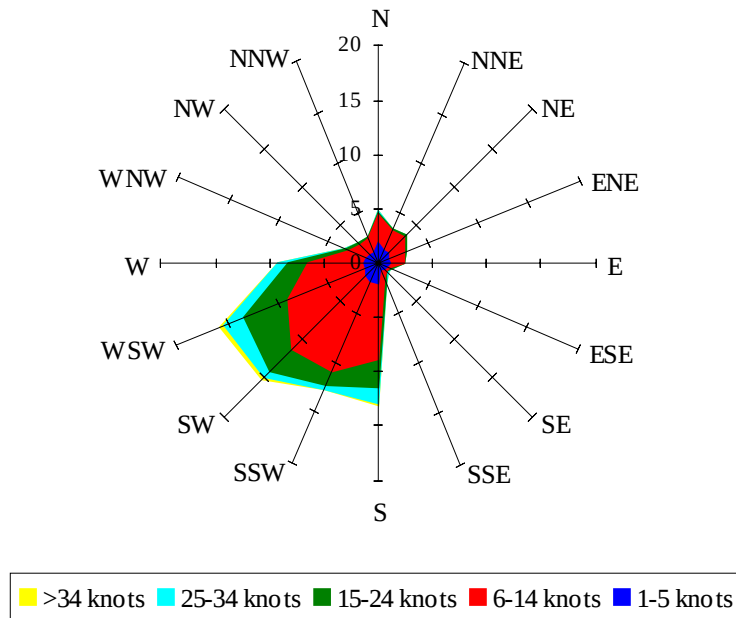
Labels of Percent Frequency on North Axis



Percent Calm = 8.79

Wind Summary - March, April, and May

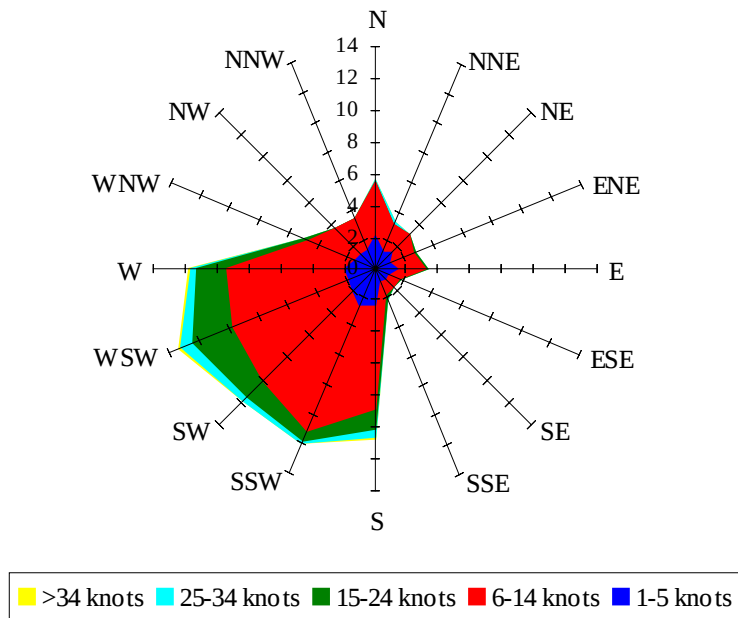
Labels of Percent Frequency on North Axis



Percent Calm = 4.92

Wind Summary - June, July, and August

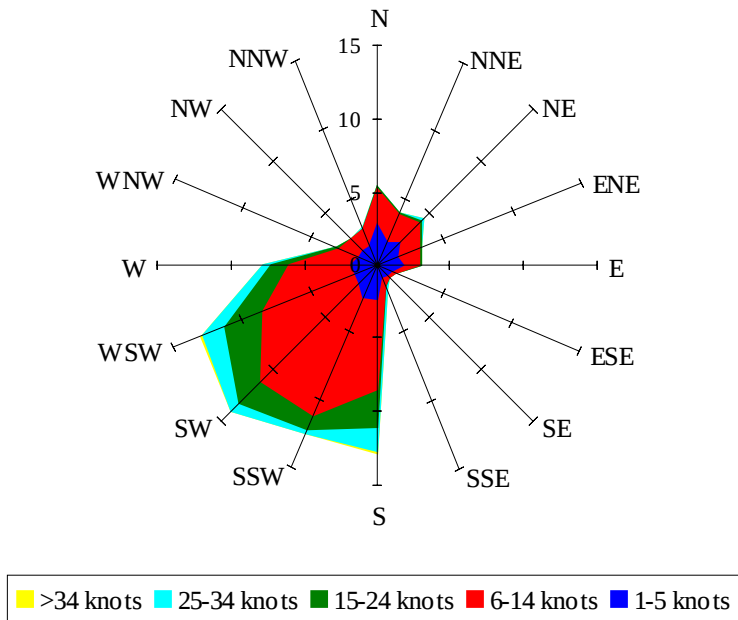
Labels of Percent Frequency on North Axis



Percent Calm = 5.41

Wind Summary - September, October, and November

Labels of Percent Frequency on North Axis



Percent Calm = 7.83