

PROVO UT	
Latitude = 40.22 N	WMO No. 725724
Longitude = 111.70 W	Elevation = 4492 feet
Period of Record = 1980 to 1996	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	64	50	5.8	S
0.4% Occurrence	95	64	53	6.1	ESE
1.0% Occurrence	92	63	54	6.1	E
2.0% Occurrence	90	62	55	6.5	NW
Mean Daily Range	19	-	-	-	-
97.5% Occurrence	16	15	12	2.5	SE
99.0% Occurrence	10	9	9	1.8	SE
99.6% Occurrence	4	3	6	0.9	S
Median of Extreme Lows	-3	-3	4	1.2	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	72	88	109	6.4	W
0.4% Occurrence	68	87	87	6.1	NW
1.0% Occurrence	66	85	79	6.3	NW
2.0% Occurrence	65	85	75	6.3	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	113	80	0.65	5.1	SE
0.4% Occurrence	95	77	0.54	5.8	SE
1.0% Occurrence	88	77	0.50	5.5	SE
2.0% Occurrence	81	76	0.47	6.0	SE
Air Conditioning/ Humid Area Criteria	# of Hours	T ≥ 93°F	T ≥ 80°F	T _{wb} ≥ 73°F	T _{wb} ≥ 67°F
		81	836	1	65

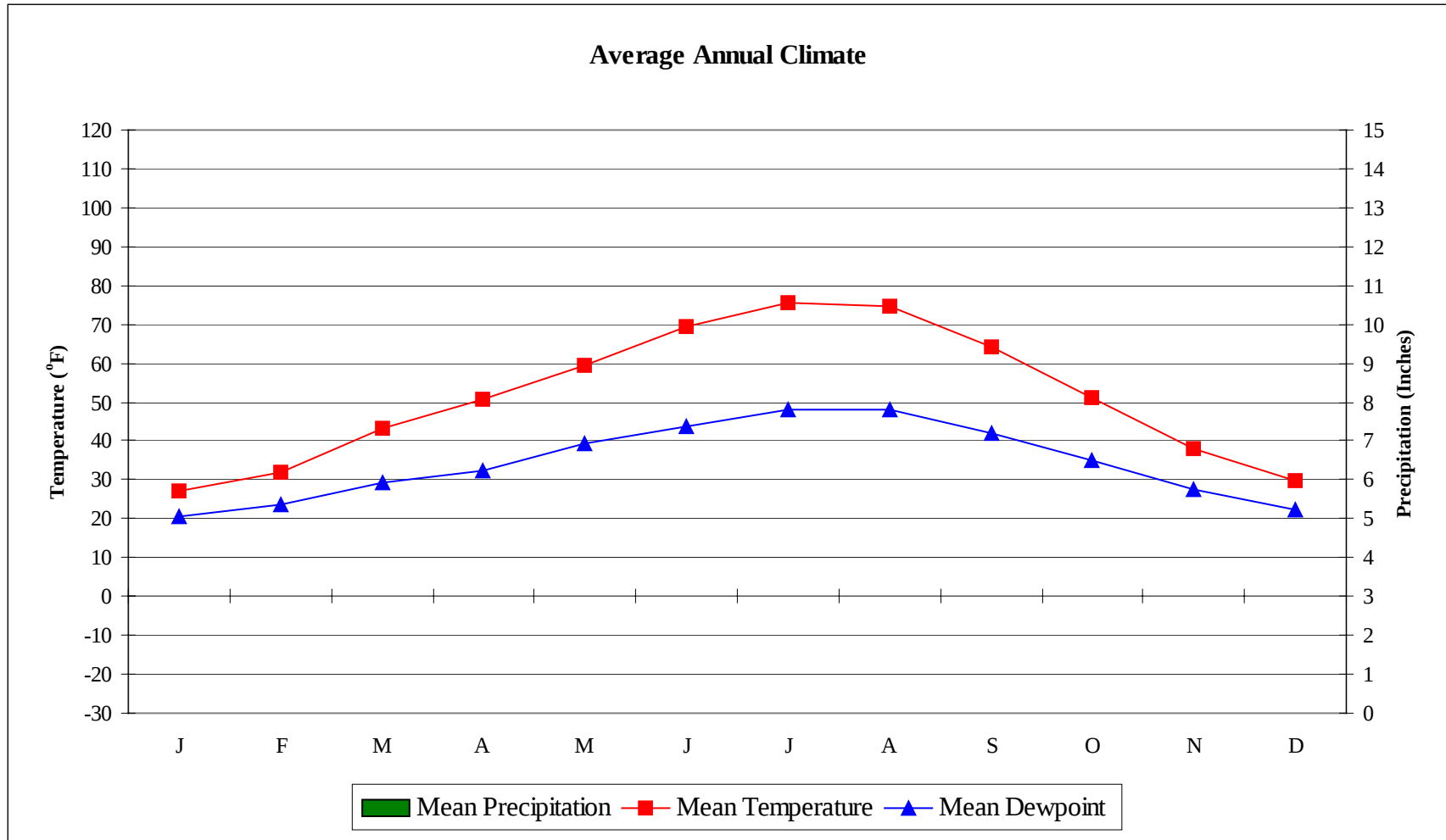
Other Site Data

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
7	1.3	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/ft²)	Average Annual Freeze-Thaw Cycles (#)
53.4	N/A	N/A	54

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

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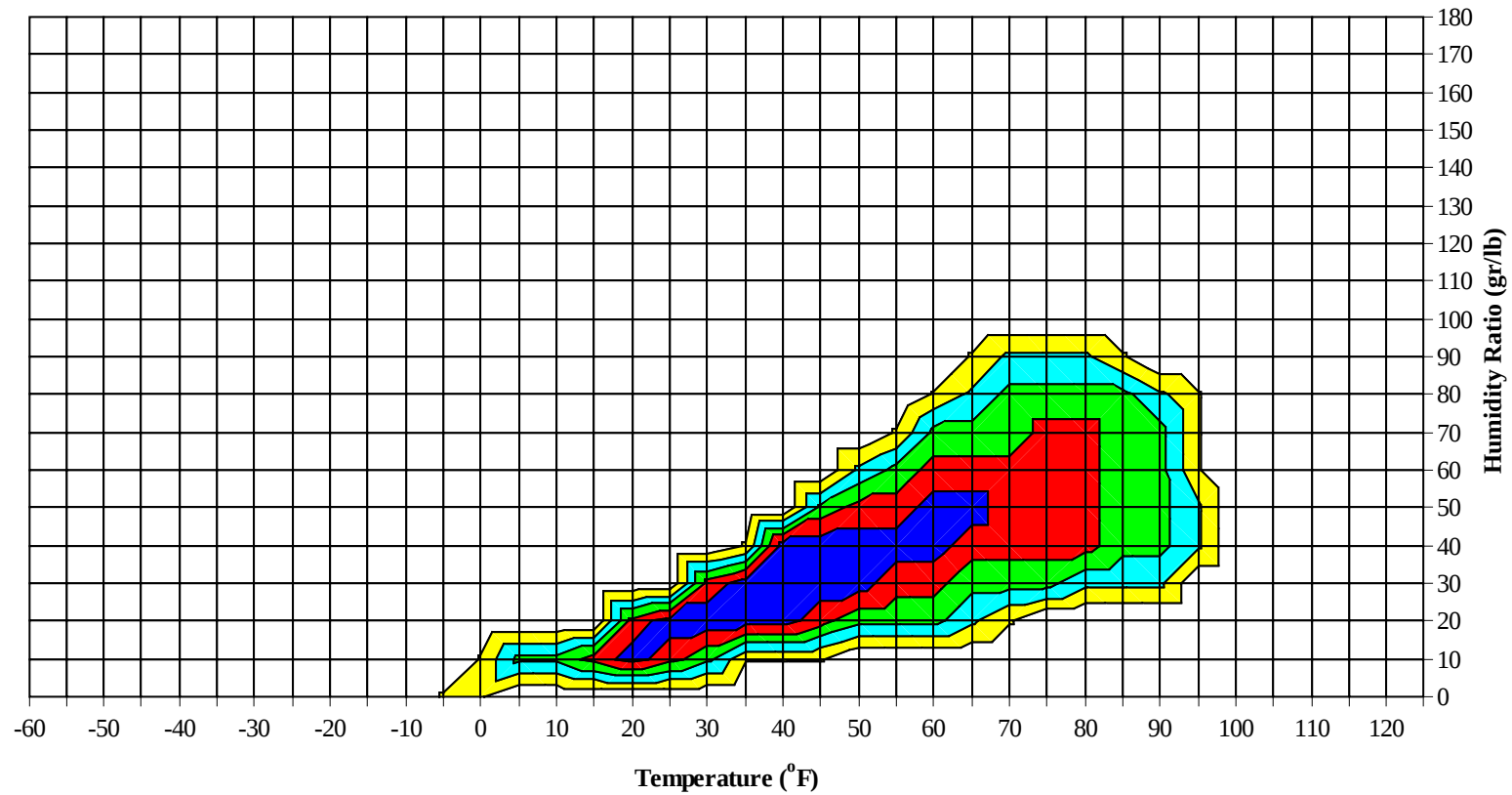
No Precipitation Data Available

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Long Term Psychrometric Summary

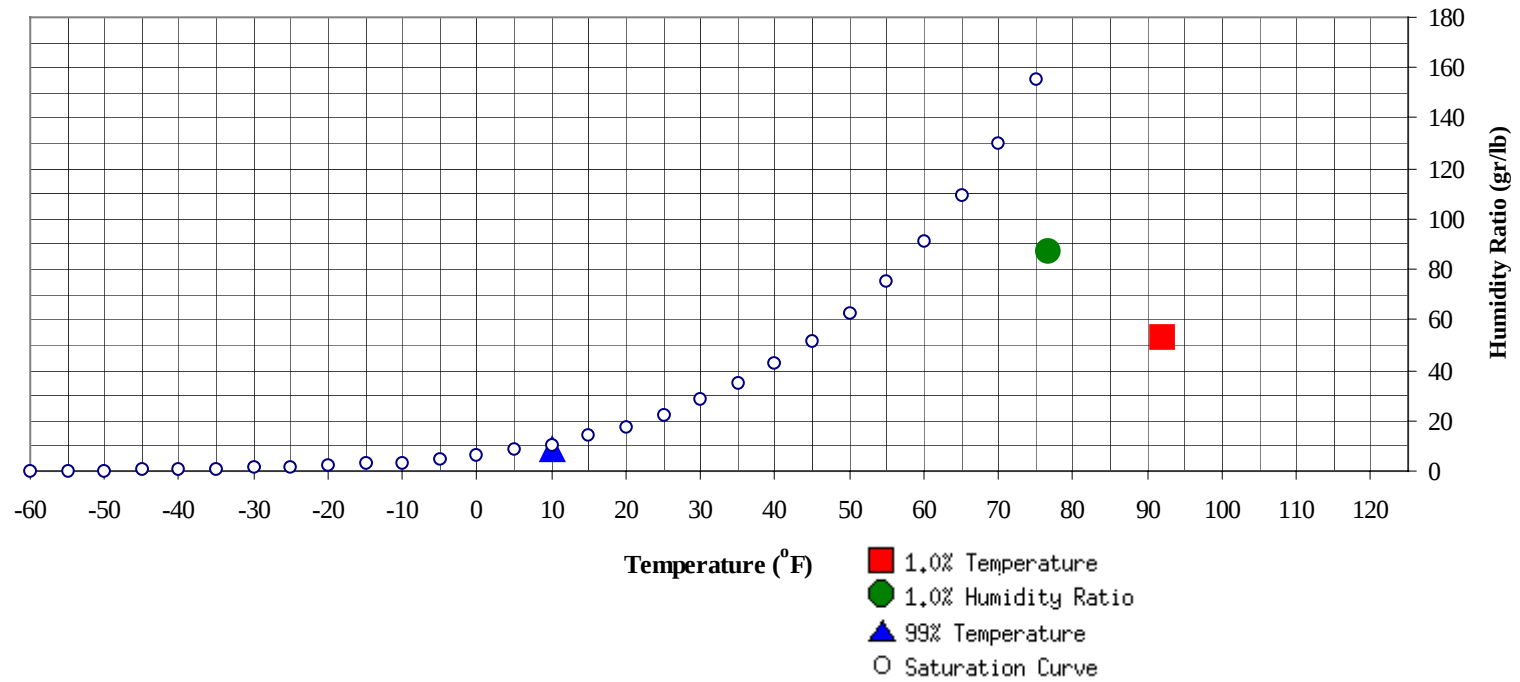


- 50% of all observations
- 80% of all observations
- 95% of all observations
- 97.5% of all observations
- 99% of all observations

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Psychrometric Summary of Peak Design Values



	(°F)	MCHR	Enthalpy	1.0% Humidity Ratio	(gr/lb)	MCDB	MCWB	MC Dewpt	Enthalpy
		(gr/lb)	(btu/lb)			(°F)	(°F)	(°F)	(btu/lb)
99% Dry Bulb	10	8.9	3.8		87.5	76.6	64.7	59	32.1

1.0% Dry Bulb	(°F)	MCHR	MCWB	Enthalpy
		(gr/lb)	(°F)	(btu/lb)
	92	53.4	62.8	30.5

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Dry-Bulb Temperature Hours For An Average Year (Sheet 1 of 5)

Period of Record = 1980 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	0	53.0
70 / 74												1	1	3	50.8
65 / 69							0		0	52.0		6	3	9	48.6
60 / 64							1	1	2	47.7		15	9	24	46.7
55 / 59		0		0			6	2	8	45.0	3	24	21	48	44.7
50 / 54	0	1		1	41.1	0	10	6	16	42.0	7	40	34	80	42.3
45 / 49	1	9	5	15	39.0	4	18	16	38	39.5	23	50	48	121	39.7
40 / 44	9	23	16	48	35.9	13	31	30	75	36.7	55	53	58	165	36.9
35 / 39	21	41	30	91	32.9	33	40	46	119	33.5	65	35	44	144	33.4
30 / 34	49	52	64	164	29.5	48	46	48	142	29.7	55	18	23	96	29.5
25 / 29	46	47	56	149	25.1	40	31	30	101	25.2	27	5	4	37	25.1
20 / 24	50	32	37	119	20.3	31	20	20	71	20.2	8	1	2	12	20.9
15 / 19	30	19	20	69	16.0	27	12	14	52	16.0	3	1	0	3	15.9
10 / 14	22	13	10	46	11.3	19	5	6	29	11.3	3	0		3	11.9
5 / 9	13	5	7	25	6.3	4	1	2	8	6.7	0			0	8.0
0 / 4	4	4	2	10	1.4	3	1	1	5	1.3					
-5 / -1	3	1	1	5	-2.7	1	1	1	3	-2.9					
-10 / -6	1	0	0	1	-6.7	0	1	0	1	-7.8					
-15 / -11	0	0		0	-13.0	1	0	0	1	-12.0					
-20 / -16		0		0		0	0		0	-18.0					
-25 / -21							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.

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Dry-Bulb Temperature Hours For An Average Year (Sheet 2 of 5)

Period of Record = 1980 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												1	0	1	66.9
95 / 99												6	3	8	64.6
90 / 94							0		0	57.3		15	12	27	61.8
85 / 89		0	0	0	57.5		3	1	4	58.8		28	20	48	60.5
80 / 84		2	1	3	55.5		16	10	26	57.1	1	35	28	64	59.5
75 / 79		8	5	13	53.8	0	26	17	43	56.2	2	43	32	77	57.8
70 / 74		14	7	21	52.4	1	37	24	62	54.3	17	42	40	98	56.0
65 / 69	0	22	16	38	50.1	7	38	34	79	52.3	39	30	33	102	53.7
60 / 64	3	30	23	55	47.9	27	41	41	109	50.1	55	21	32	107	51.5
55 / 59	13	40	32	85	45.5	47	36	41	124	48.0	48	12	19	79	49.2
50 / 54	27	42	40	109	43.1	57	30	35	122	45.2	47	6	15	68	46.5
45 / 49	47	41	46	135	39.9	58	15	29	102	42.6	24	1	7	32	43.1
40 / 44	63	27	42	133	36.9	38	6	13	57	38.8	6		1	7	38.8
35 / 39	58	12	21	90	33.6	11	1	3	14	35.1					
30 / 34	26	2	7	35	30.0	1	0		1	31.6					
25 / 29	4	0	0	4	26.9										
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 3 of 5)

Period of Record = 1980 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		1	1	2	64.8		0		0	63.5					
95 / 99		11	7	18	63.9		4	3	7	62.9		0	0	0	64.3
90 / 94		36	26	62	63.4		29	17	46	62.6		3	1	4	62.1
85 / 89	0	50	34	84	62.6		51	37	88	62.4		12	8	20	61.0
80 / 84	0	53	37	90	61.7	0	61	43	104	61.8		34	19	53	59.4
75 / 79	10	46	36	91	60.2	6	49	35	91	60.3	0	38	28	66	57.6
70 / 74	43	32	40	114	58.4	32	35	44	112	58.5	5	43	34	81	55.6
65 / 69	65	13	33	111	55.8	69	14	34	117	56.5	17	36	35	88	53.6
60 / 64	62	5	24	91	53.2	72	4	23	99	53.3	36	34	40	110	51.6
55 / 59	49	1	9	60	49.9	42	1	9	52	49.6	51	20	34	104	48.6
50 / 54	16	0	1	17	46.7	20	0	3	23	45.9	49	13	25	87	45.5
45 / 49	4		0	4	43.5	5		0	5	40.9	48	6	13	67	42.0
40 / 44	0			0	40.5	2			2	34.8	25	1	4	31	38.2
35 / 39											8		0	8	34.4
30 / 34											0			0	30.0
25 / 29															
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 = 1980 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	55.4										
80 / 84		2	0	2	55.4										
75 / 79		7	3	10	54.6		0		0	57.0					
70 / 74		17	9	26	53.6		0	0	0	51.6					
65 / 69		27	15	43	51.4		1	0	1	49.3		0		0	47.0
60 / 64	2	39	26	67	49.4		7	1	9	47.9		1	0	1	47.2
55 / 59	11	50	42	104	47.2	1	15	7	23	45.8		2	1	3	44.2
50 / 54	31	43	44	118	44.8	4	28	17	49	43.3	1	7	2	10	42.2
45 / 49	51	30	39	119	41.1	17	42	33	93	40.3	5	16	7	28	39.2
40 / 44	61	18	40	119	37.9	20	46	43	108	36.6	14	26	24	64	36.6
35 / 39	54	10	19	84	33.7	54	43	51	148	33.3	28	45	42	115	33.2
30 / 34	25	4	9	38	29.4	62	33	46	141	29.2	48	60	56	164	29.4
25 / 29	10	0	3	12	24.5	43	16	27	86	24.8	38	45	47	129	24.7
20 / 24	2	0		2	20.2	24	5	8	37	20.2	53	33	39	124	20.4
15 / 19						8	1	5	14	15.5	32	11	20	63	16.2
10 / 14						5	1	2	8	10.9	16	4	6	26	11.2
5 / 9						3	0	0	3	6.5	8	1	2	11	6.2
0 / 4											3	1	2	6	1.5
-5 / -1											1	0	0	1	-2.4
-10 / -6											1	0		1	-6.3
-15 / -11															
-20 / -16															
-25 / -21															

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

Period of Record = 1980 to 1996

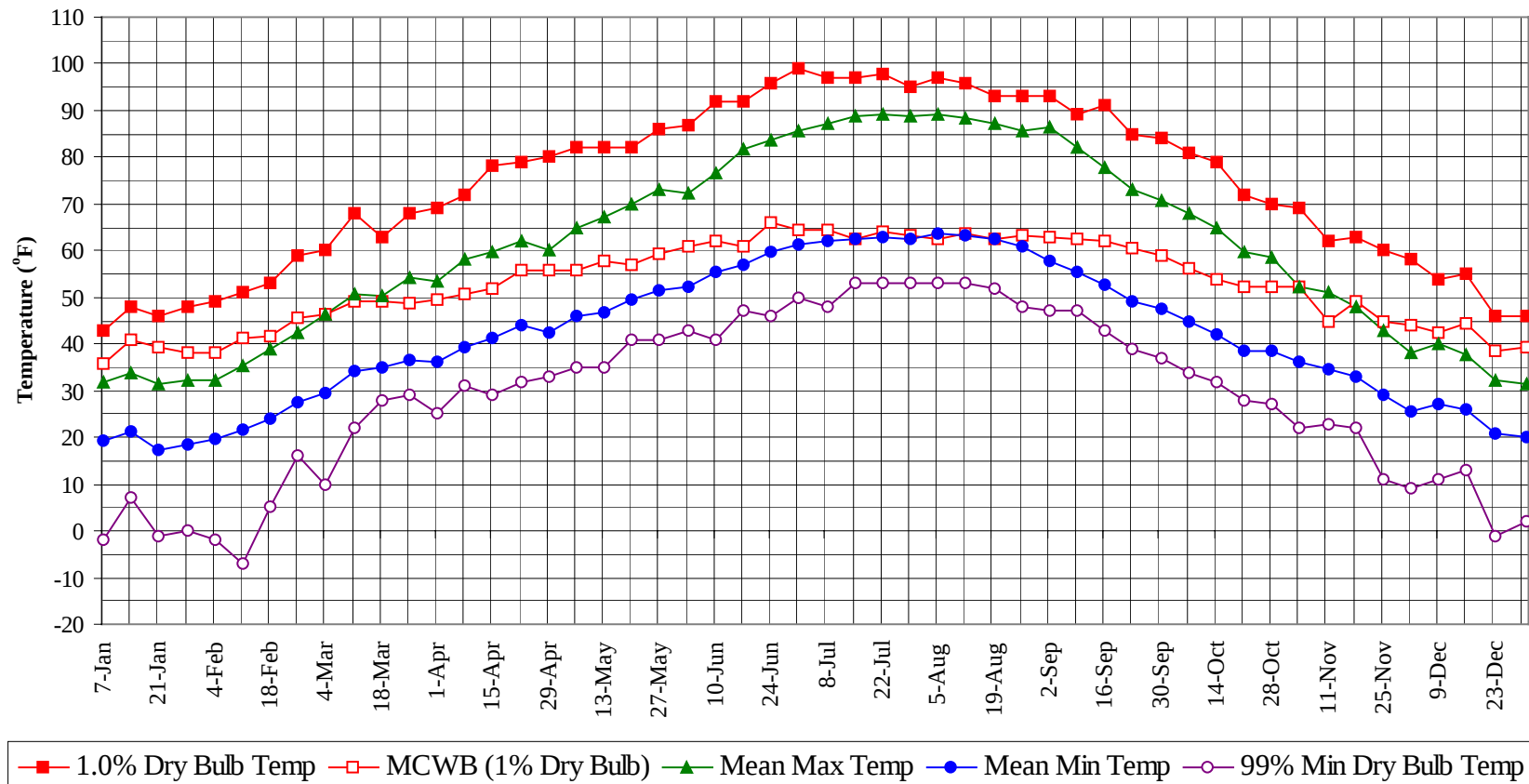
Annual Totals					
Temperature Range (°F)	Hour Group (LST)			Total Obs	M C W B (°F)
	01 To 08	09 To 16	17 To 00		
100 / 104		1	1	3	65.5
95 / 99		21	11	32	63.8
90 / 94		80	51	131	62.8
85 / 89	0	141	90	232	61.9
80 / 84	1	199	126	326	60.5
75 / 79	17	213	141	372	58.4
70 / 74	99	217	179	495	56.4
65 / 69	197	188	188	573	53.7
60 / 64	257	199	205	661	50.8
55 / 59	267	209	210	686	47.5
50 / 54	262	222	218	703	44.3
45 / 49	291	230	245	766	40.7
40 / 44	306	233	286	825	37.0
35 / 39	330	228	277	835	33.4
30 / 34	310	216	278	804	29.5
25 / 29	206	146	184	536	25.0
20 / 24	169	91	118	378	20.3
15 / 19	99	44	65	207	16.0
10 / 14	64	22	26	112	11.3
5 / 9	27	8	12	48	6.3
0 / 4	10	6	6	22	1.4
-5 / -1	5	2	2	10	-2.7
-10 / -6	1	1	1	4	-6.9
-15 / -11	1	1	0	2	-12.2
-20 / -16	0	0		0	-18.0
-25 / -21		0		0	

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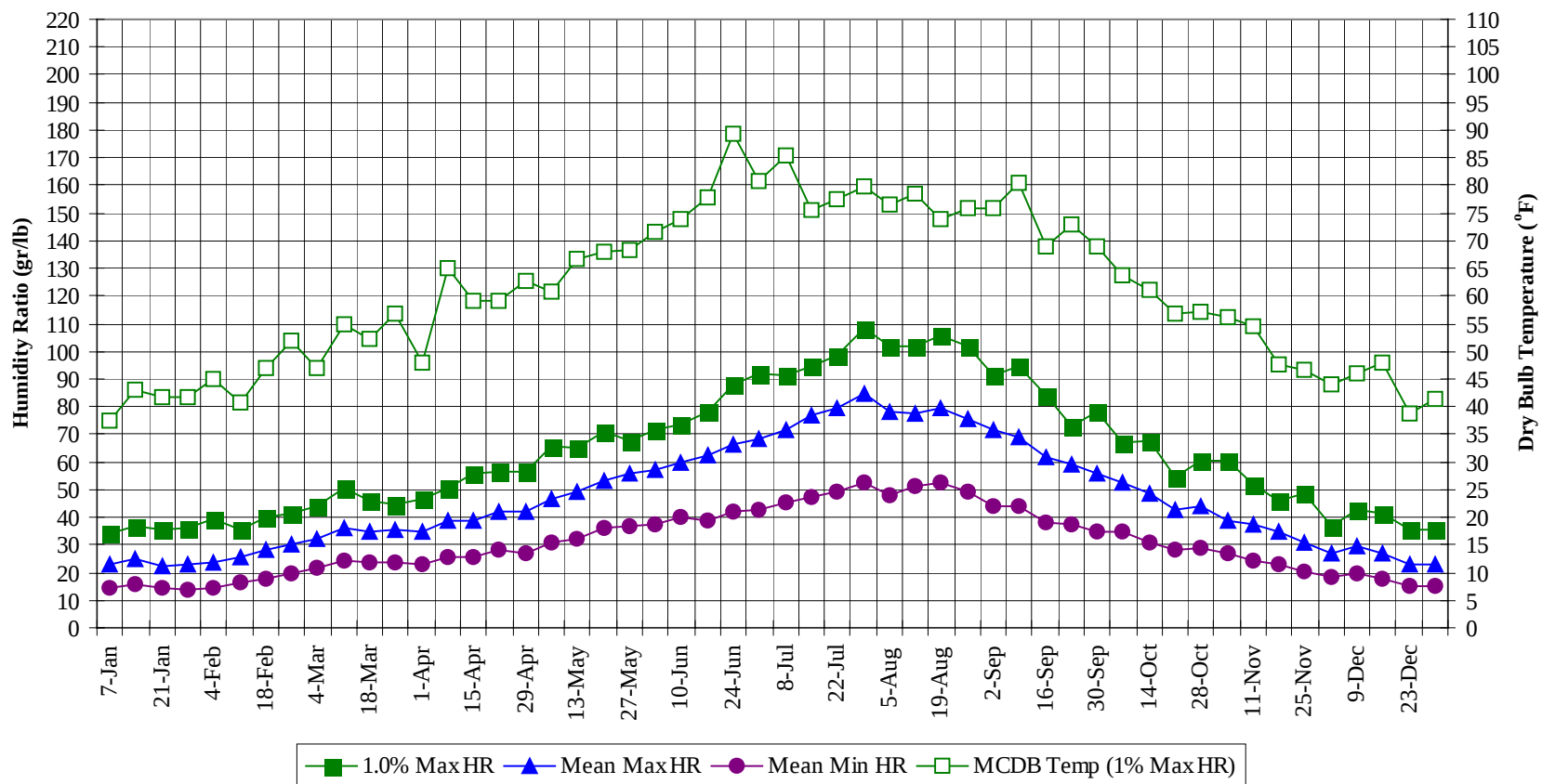
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Annual Summary of Temperatures



Long Term Humidity and Dry Bulb Temperature Summary

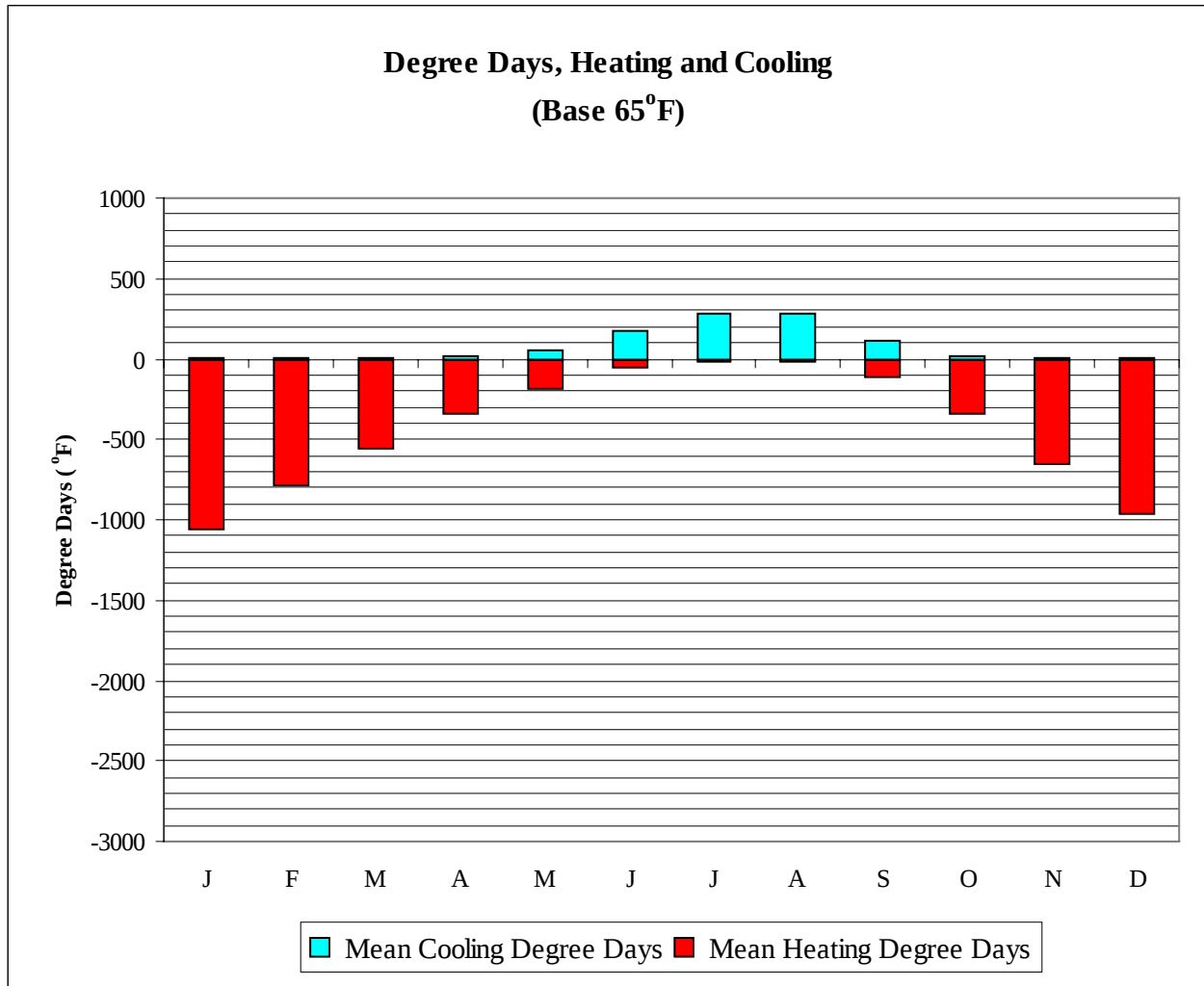


PROVO**UT****WMO No. 725724****Long Term Dry Bulb Temperature and Humidity Summary**

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	43.0	35.7	31.8	19.3	-2.0	34.3	37.4	23.1	14.5
14-Jan	48.0	40.8	33.8	21.3	7.0	37.1	43.0	24.8	15.9
21-Jan	46.0	39.5	31.4	17.5	-1.0	35.7	41.8	22.2	14.2
28-Jan	48.0	38.1	32.3	18.4	0.0	36.4	41.6	23.0	13.6
4-Feb	49.0	38.0	32.1	19.7	-2.0	39.2	45.1	23.3	14.7
11-Feb	51.0	41.3	35.2	21.6	-7.0	35.7	40.8	25.8	16.5
18-Feb	53.0	41.5	39.0	24.0	5.0	39.9	46.8	28.5	17.8
25-Feb	59.0	45.5	42.5	27.5	16.0	41.3	51.8	30.5	20.0
4-Mar	60.0	46.2	46.6	29.6	10.0	44.1	46.9	32.4	21.4
11-Mar	68.0	49.0	50.7	34.2	22.0	50.4	54.9	35.9	24.2
18-Mar	63.0	49.3	50.2	35.1	28.0	46.2	52.2	34.6	24.0
25-Mar	68.0	48.7	54.2	36.4	29.0	44.8	56.8	35.7	23.7
1-Apr	69.0	49.7	53.6	36.2	25.0	46.9	47.8	34.8	23.1
8-Apr	72.0	50.7	58.1	39.4	31.0	50.4	65.1	38.9	25.4
15-Apr	78.0	52.0	59.9	41.4	29.0	56.0	59.0	38.6	25.4
22-Apr	79.0	55.8	62.2	44.0	32.0	56.7	59.1	42.1	28.3
29-Apr	80.0	55.9	60.2	42.3	33.0	56.7	62.9	42.3	27.2
6-May	82.0	55.7	64.7	45.9	35.0	65.8	60.7	46.4	30.7
13-May	82.0	57.8	67.3	46.9	35.0	65.1	66.8	49.0	32.4
20-May	82.0	57.1	69.8	49.5	41.0	70.7	68.1	53.1	35.8
27-May	86.0	59.5	72.9	51.4	41.0	67.9	68.1	55.9	36.5
3-Jun	87.0	60.8	72.3	52.2	43.0	71.4	71.5	57.1	37.7
10-Jun	92.0	62.0	76.6	55.5	41.0	73.5	73.9	59.9	40.3
17-Jun	92.0	61.0	81.5	57.0	47.0	78.4	77.7	62.4	38.5
24-Jun	96.0	66.0	83.6	59.8	46.0	88.2	89.4	66.4	41.9
1-Jul	99.0	64.4	85.7	61.5	50.0	91.7	80.7	68.0	42.8
8-Jul	97.0	64.3	87.0	61.9	48.0	91.0	85.3	71.9	45.1
15-Jul	97.0	62.4	88.6	62.4	53.0	94.5	75.6	76.7	47.6
22-Jul	98.0	64.1	89.0	63.0	53.0	98.7	77.3	79.6	49.5
29-Jul	95.0	63.5	88.6	62.3	53.0	108.5	79.8	84.9	52.8
5-Aug	97.0	62.6	89.2	63.6	53.0	101.5	76.6	78.4	47.6
12-Aug	96.0	63.7	88.3	63.4	53.0	101.5	78.4	77.5	50.9
19-Aug	93.0	62.3	87.1	62.3	52.0	105.7	73.8	79.7	52.3
26-Aug	93.0	63.4	85.8	61.0	48.0	101.5	76.0	75.6	49.4
2-Sep	93.0	62.7	86.3	57.9	47.0	91.0	76.0	71.8	44.0
9-Sep	89.0	62.4	82.1	55.3	47.0	94.5	80.6	69.3	43.7
16-Sep	91.0	62.2	77.9	52.6	43.0	84.0	69.0	61.5	37.8
23-Sep	85.0	60.3	73.3	49.3	39.0	72.8	72.8	58.8	37.3
30-Sep	84.0	58.8	70.7	47.5	37.0	78.4	69.0	55.7	34.9
7-Oct	81.0	56.1	67.9	45.0	34.0	67.2	63.8	52.6	34.7
14-Oct	79.0	53.9	64.8	42.2	32.0	67.9	61.0	48.5	30.8
21-Oct	72.0	52.2	59.7	38.6	28.0	54.6	56.9	43.0	27.9
28-Oct	70.0	52.4	58.4	38.7	27.0	60.2	57.1	43.8	28.9
4-Nov	69.0	52.4	52.4	36.0	22.0	60.2	56.3	38.9	26.6
11-Nov	62.0	45.0	51.0	34.7	23.0	51.8	54.5	37.1	24.3
18-Nov	63.0	49.1	48.1	33.2	22.0	46.2	47.7	34.8	22.7
25-Nov	60.0	45.0	43.0	28.9	11.0	48.3	46.7	31.2	20.4
2-Dec	58.0	44.0	38.1	25.7	9.0	37.1	43.9	27.1	18.3
9-Dec	54.0	42.3	40.2	27.2	11.0	42.7	46.0	29.6	19.5
16-Dec	55.0	44.4	37.9	26.1	13.0	41.3	48.0	27.0	18.0
23-Dec	46.0	38.7	32.2	20.8	-1.0	35.7	38.8	23.0	14.9
31-Dec	46.0	39.5	31.4	19.9	2.0	35.7	41.3	23.2	15.1

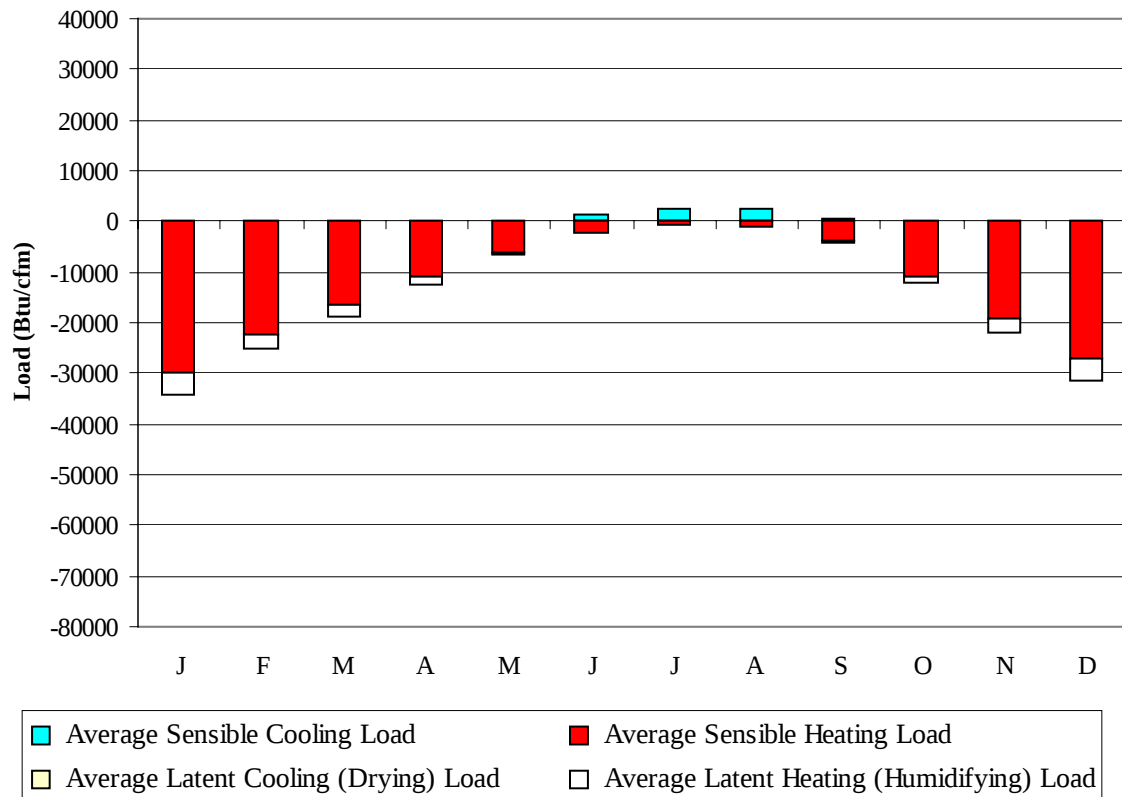
PROVO UT

WMO No. 725724



	Mean Cooling Degree Days (°F)	Mean Heating Degree Days (°F)
JAN	0	1064
FEB	0	782
MAR	1	554
APR	14	342
MAY	56	182
JUN	179	55
JUL	283	17
AUG	282	20
SEP	110	108
OCT	12	346
NOV	0	654
DEC	0	959
ANN	937	5083

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	-29801	0	-4453
FEB	0	-22283	0	-3030
MAR	0	-16565	0	-2098
APR	29	-10899	0	-1407
MAY	211	-6291	0	-431
JUN	1366	-2143	3	-133
JUL	2604	-735	44	-44
AUG	2458	-881	56	-86
SEP	564	-3968	12	-306
OCT	30	-11094	0	-1091
NOV	0	-19093	0	-2804
DEC	0	-27073	0	-4372
ANN	7262	-150826	115	-20255

Average Annual Solar Radiation – Nearest Available Site

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

City: SALT LAKE CITY
 State: UT
 WBAN No: 24127
 Lat(N): 40.77
 Long(W): 111.97
 Elev(ft): 4226

Stn Type: Primary
 SHADING GEOMETRY IN DIMENSIONLESS UNITS
 Window: 1
 Overhang: 0.556
 Vert Gap: 0.324

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	610	920	1300	1710	2060	2330	2320	2060	1660	1170	710	530	1450
	Std Dev	62	83	112	126	157	149	113	98	117	89	69	65	50
	Minimum	490	710	970	1430	1730	1980	2140	1920	1370	980	560	360	1320
	Maximum	770	1060	1490	1920	2370	2570	2520	2280	1870	1330	850	660	1540
	Diffuse	350	440	560	680	720	670	610	550	450	360	330	300	500
Clear Day	Global	890	1260	1770	2290	2640	2770	2670	2370	1920	1390	960	790	1810
NORTH	Global	200	270	350	450	570	660	620	480	360	270	210	180	390
	Diffuse	200	270	350	440	490	520	490	430	360	270	210	180	350
Clear Day	Global	180	240	310	420	600	720	660	460	340	260	190	160	380
EAST	Global	400	590	800	1010	1190	1330	1330	1240	1050	780	480	350	880
	Diffuse	250	340	430	530	590	610	590	530	450	340	260	220	430
Clear Day	Global	690	920	1180	1420	1550	1590	1550	1430	1250	980	730	620	1160
SOUTH	Global	940	1160	1200	1090	950	880	930	1130	1370	1440	1090	880	1090
	Diffuse	370	450	510	560	560	550	530	520	480	420	360	330	470
Clear Day	Global	1960	2040	1880	1480	1120	950	1010	1290	1700	1950	1950	1890	1600
WEST	Global	410	600	800	1000	1160	1270	1280	1170	1020	770	480	360	860
	Diffuse	250	340	440	540	600	620	590	540	450	350	260	220	430
Clear Day	Global	690	920	1180	1420	1550	1590	1550	1430	1250	980	730	620	1160

Average Annual Solar Heat and Illumination – Nearest Available Site

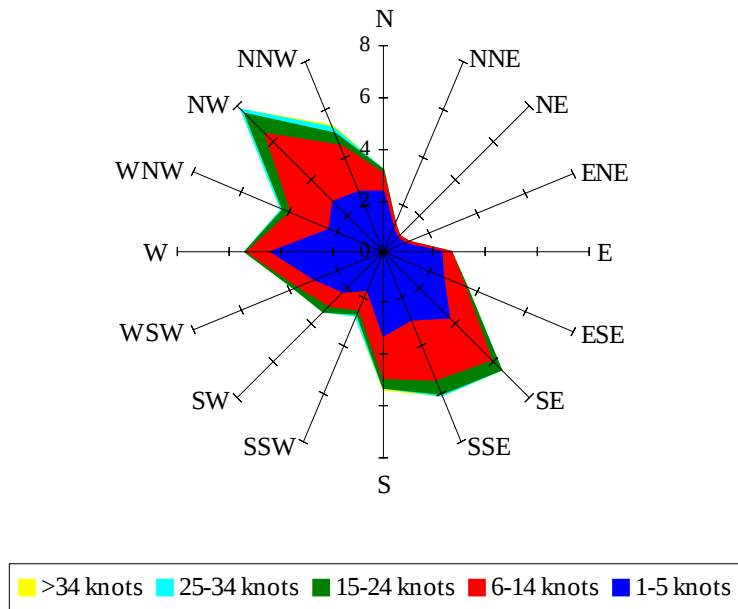
(Source: National Renewable Energy Laboratory, Golden CO, 1995)

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	400	630	920	1230	1500	1710	1710	1500	1190	810	470	340	1030
NORTH	Unshaded	140	190	240	300	370	420	390	310	250	190	140	120	260
	Shaded	120	170	220	270	330	380	350	290	230	170	130	110	230
EAST	Unshaded	280	410	570	720	850	950	950	890	750	550	330	240	630
	Shaded	240	360	490	620	720	800	810	760	650	490	290	210	540
SOUTH	Unshaded	710	850	840	710	580	510	540	700	930	1040	810	670	740
	Shaded	680	790	650	450	350	340	340	390	640	910	780	640	580
WEST	Unshaded	280	420	570	710	830	910	920	840	730	540	330	250	610
	Shaded	250	370	490	610	700	770	780	720	630	480	290	220	530

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	31	67	82	72	37	42	79	101	100	78
	M.Cloudy	19	44	56	47	23	28	58	78	77	57
NORTH	M.Clear	8	13	15	14	9	21	14	16	16	14
	M.Cloudy	8	14	17	15	9	15	16	18	18	16
EAST	M.Clear	73	64	18	14	9	80	78	41	16	14
	M.Cloudy	27	36	18	15	9	40	54	35	18	16
SOUTH	M.Clear	32	69	85	74	38	10	27	46	46	27
	M.Cloudy	15	38	51	41	19	10	24	39	38	23
WEST	M.Clear	8	13	15	62	77	10	14	16	42	79
	M.Cloudy	8	14	17	36	32	10	16	18	36	53
M.Clear	(% hrs)	30	29	28	28	27	59	58	57	52	50
		Sept					Dec				
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	20	61	82	82	56	7	34	45	32	4
	M.Cloudy	13	42	61	60	39	5	21	29	21	3
NORTH	M.Clear	6	12	14	15	12	3	9	11	9	2
	M.Cloudy	5	13	16	16	12	2	9	11	8	2
EAST	M.Clear	62	77	38	15	12	25	42	11	9	2
	M.Cloudy	24	46	30	16	12	7	19	11	8	2
SOUTH	M.Clear	15	53	75	74	48	20	71	88	68	13
	M.Cloudy	8	34	52	51	30	6	28	37	27	5
WEST	M.Clear	6	12	14	44	78	3	9	13	44	18
	M.Cloudy	5	13	16	33	45	2	9	12	20	6
M.Clear	(% hrs)	61	62	61	57	59	21	23	24	23	23

Wind Summary - December, January, and February

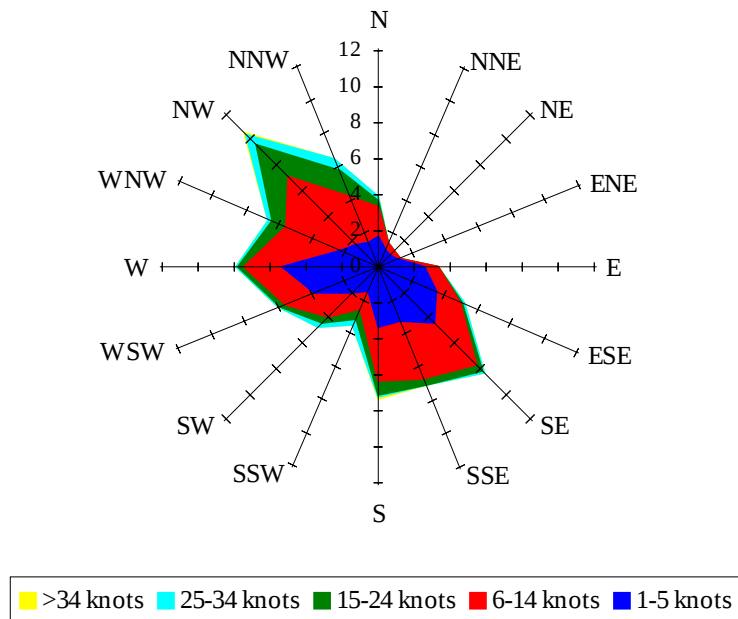
Labels of Percent Frequency on North Axis



Percent Calm = 36.86

Wind Summary - March, April, and May

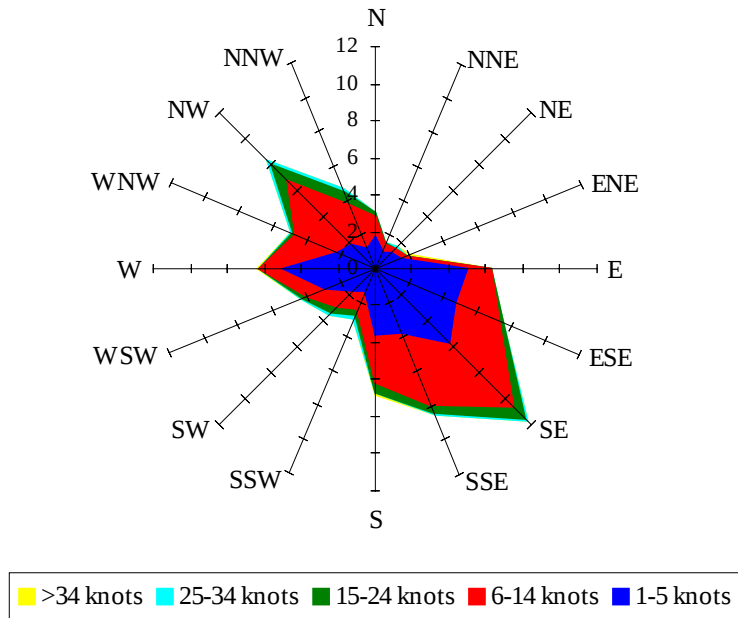
Labels of Percent Frequency on North Axis



Percent Calm = 15.67

Wind Summary - June, July, and August

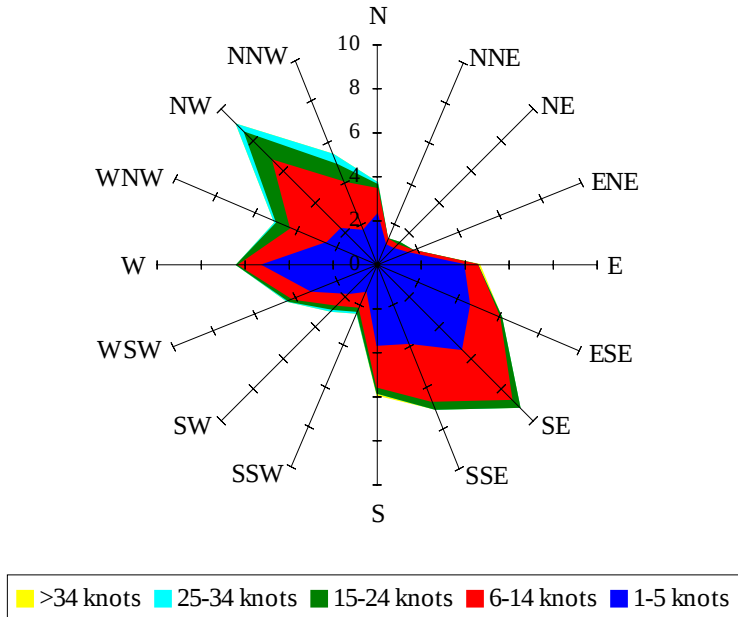
Labels of Percent Frequency on North Axis



Percent Calm = 16.42

Wind Summary - September, October, and November

Labels of Percent Frequency on North Axis



Percent Calm = 23.72