

ELKO	NV	
Latitude = 40.83 N		WMO No. 725825
Longitude = 115.70 W		Elevation = 5135 feet
Period of Record = 1973 to 1996		Average Pressure = 24.88 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	41	9.3	W
0.4% Occurrence	95	60	38	9.7	WSW
1.0% Occurrence	93	59	38	9.7	W
2.0% Occurrence	90	58	37	9.6	W
Mean Daily Range	31	-	-	-	-
97.5% Occurrence	9	8	8	3.1	E
99.0% Occurrence	2	1	6	3.1	E
99.6% Occurrence	-4	-4	4	3.3	E
Median of Extreme Lows	-12	-12	2	3.1	E
	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	86	78	7.9	S
0.4% Occurrence	63	86	64	8.1	S
1.0% Occurrence	62	86	59	8.4	S
2.0% Occurrence	60	84	52	8.5	S
	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	93	70	0.52	5.1	S
0.4% Occurrence	83	69	0.47	5.5	S
1.0% Occurrence	74	66	0.42	6.2	S
2.0% Occurrence	64	67	0.36	5.9	S
Air Conditioning/ Humid Area Criteria	# of Hours	T ≥ 93°F	T ≥ 80°F	T _{wb} ≥ 73°F	T _{wb} ≥ 67°F
		104	749	0	2

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 + 0.8
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 (#)
49.6	N/A	20	139

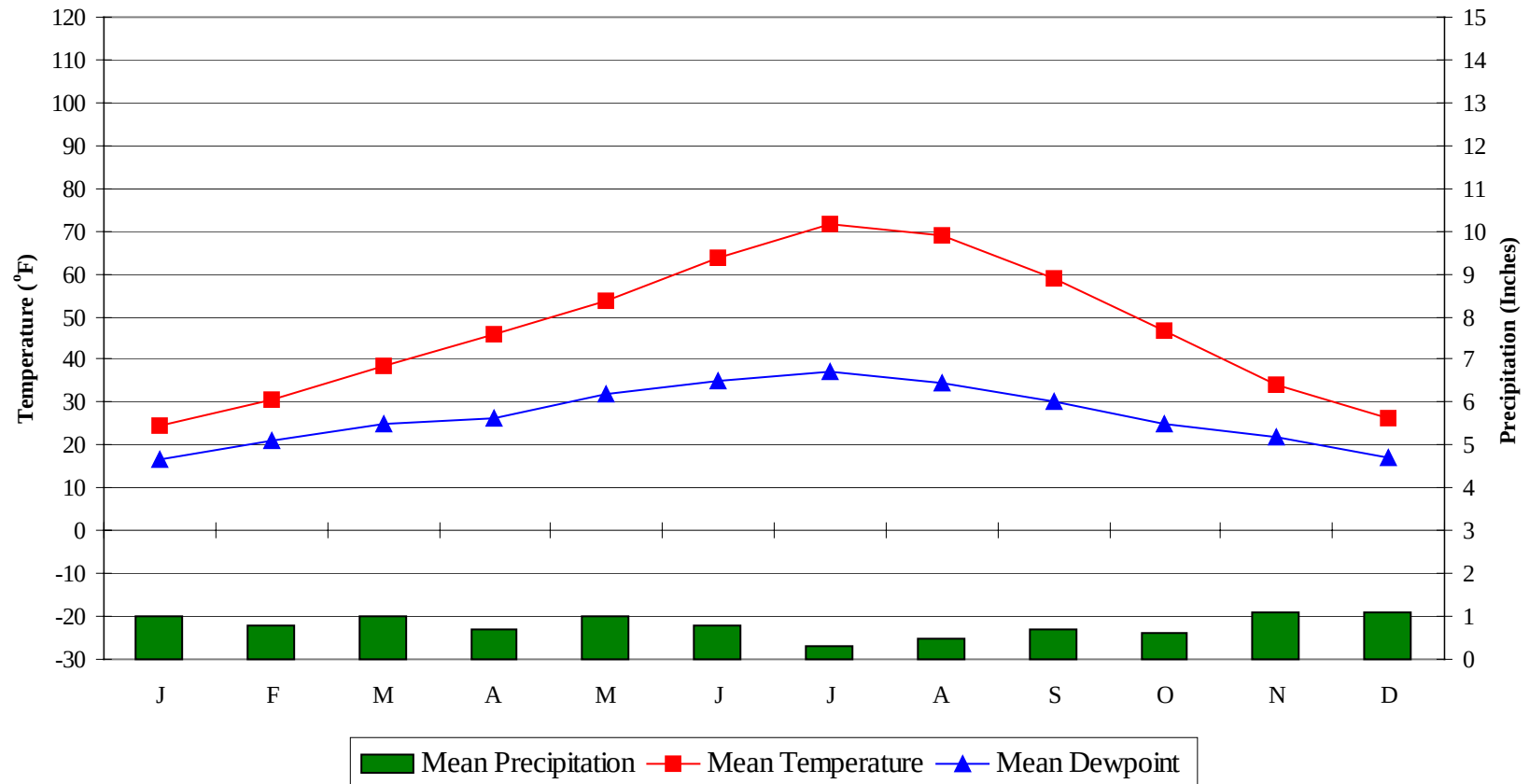
*Note: Temperatures at greater depths can be estimated by adding 1.5°F per 100 feet additional depth.

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Average Annual Climate

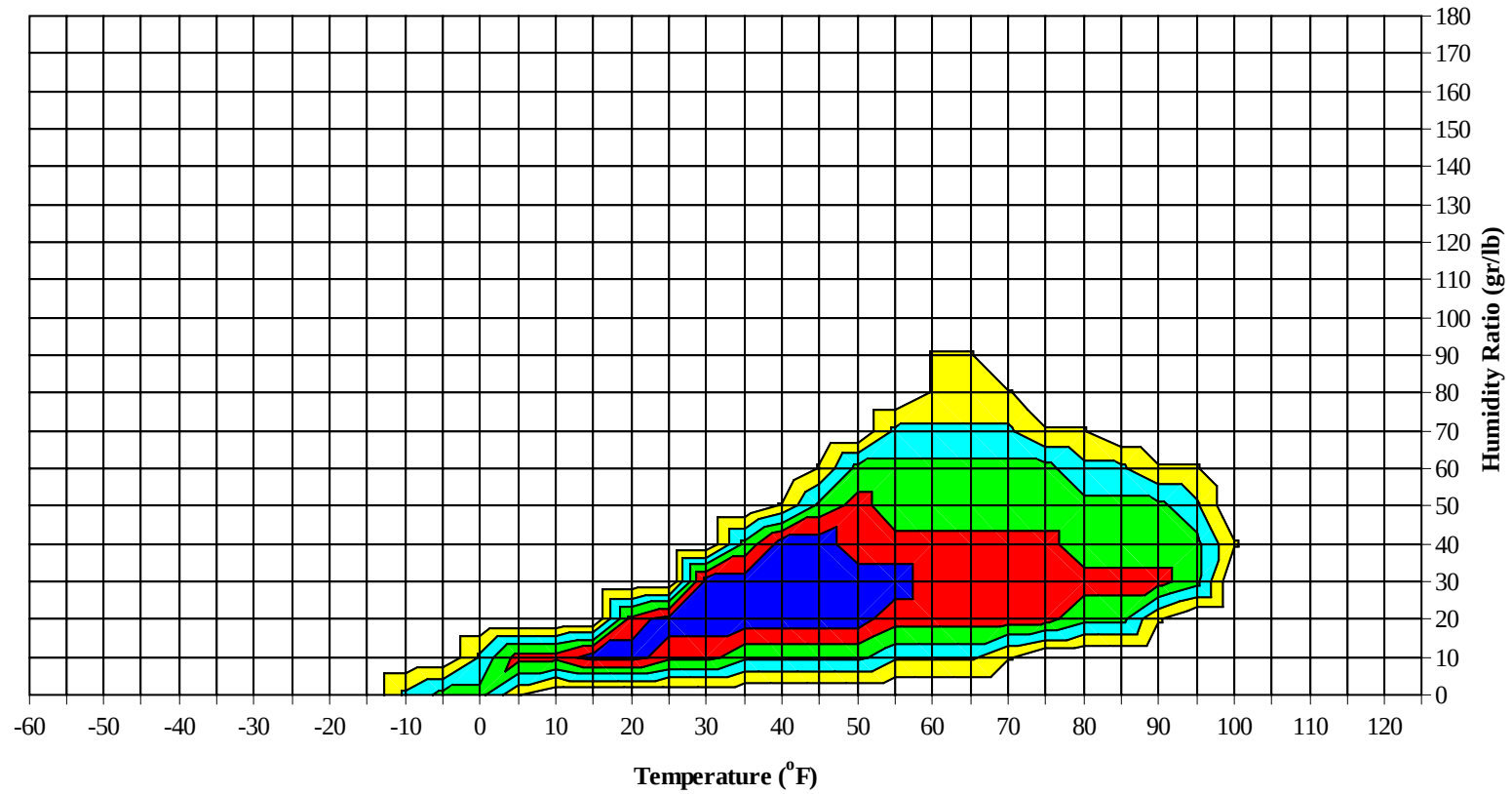


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Long Term Psychrometric Summary



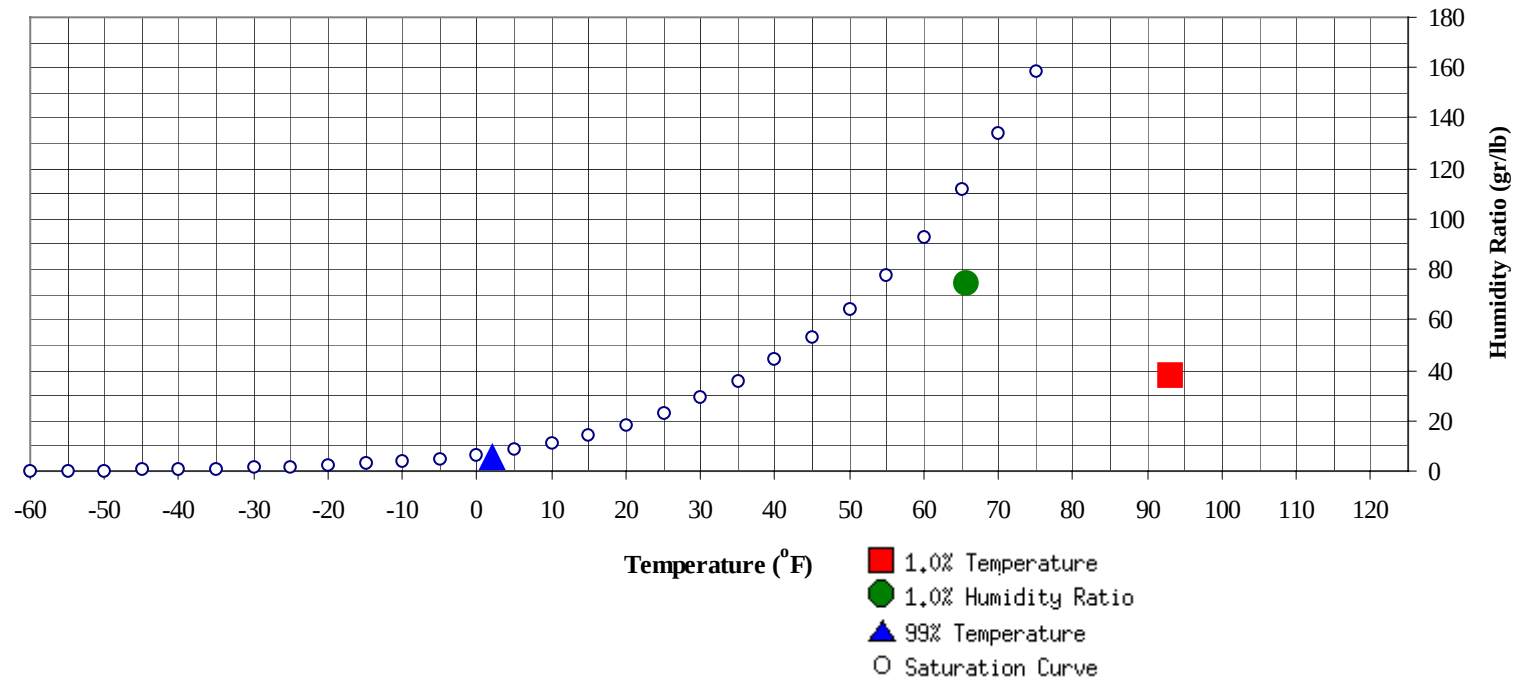
- 50% of all observations
- 80% of all observations
- 95% of all observations
- 97.5% of all observations
- 99% of all observations

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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)
	2	5.7	1.3		74.2	65.7	58.1	54	27.3

1.0% Dry Bulb	(°F)	MCHR (gr/lb)	MCWB (°F)	Enthalpy (btu/lb)
	93	37.9	59.6	28.3

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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															
70 / 74															
65 / 69															
60 / 64		0		0	43.6		3	1	4	45.3		15	3	18	44.5
55 / 59		1	0	1	41.6		8	1	9	42.8	0	30	8	38	42.5
50 / 54	0	7	1	8	40.6		18	3	21	40.8	2	40	17	59	40.6
45 / 49	1	15	3	19	38.2	2	31	10	43	38.6	7	45	32	84	38.5
40 / 44	6	29	12	47	35.5	9	39	24	72	36.1	23	46	47	117	35.9
35 / 39	17	45	29	91	32.7	22	42	44	108	32.8	50	35	55	140	33.0
30 / 34	27	50	45	122	28.9	41	35	47	123	29.1	61	21	47	128	29.2
25 / 29	36	33	43	112	24.6	45	22	40	107	24.8	56	6	26	88	24.9
20 / 24	36	28	38	102	20.1	38	12	21	71	20.4	31	2	9	42	20.6
15 / 19	37	16	25	78	15.7	22	7	13	42	15.7	14	0	3	17	15.9
10 / 14	29	11	20	60	11.0	16	4	8	28	11.1	4	0	0	4	11.4
5 / 9	22	6	15	43	6.2	12	2	5	19	6.3	0	0	0	0	6.2
0 / 4	17	3	10	30	1.4	7	1	3	11	1.4	0	0	0	0	0.2
-5 / -1	9	1	4	14	-2.8	4	0	1	5	-2.9	0			0	-1.0
-10 / -6	8	1	2	11	-7.4	2	0	1	3	-6.8					
-15 / -11	4	0	0	4	-11.8	1	0	0	1	-12.0					
-20 / -16	0			0	-16.9	0	0	1	1	-17.5					
-25 / -21	0			0	-20.0	1		0	1	-21.8					
-30 / -26						0			0	-26.2					
-35 / -31															

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													0	0	63.3
95 / 99													5	1	60.8
90 / 94							1	0	1	58.5			18	5	58.8
85 / 89		0		0	55.0		5	1	6	56.9		0	30	11	57.0
80 / 84		2	0	2	52.0		14	4	18	54.5		0	44	16	55.3
75 / 79		10	2	12	50.4		29	8	37	52.7		3	41	21	53.6
70 / 74		16	5	21	48.7		35	14	50	50.8		7	36	27	51.9
65 / 69		24	8	32	46.9		39	19	61	48.8		16	28	30	50.4
60 / 64	1	34	15	50	44.9		39	29	77	47.0		24	19	37	48.6
55 / 59	3	37	20	60	42.9		33	34	84	45.1		38	11	36	46.6
50 / 54	11	36	30	77	40.9		26	43	99	43.1		48	5	29	44.2
45 / 49	22	34	40	96	38.6		16	41	106	40.7		49	3	17	41.2
40 / 44	41	28	45	113	35.9		9	32	96	37.4		35	1	7	37.7
35 / 39	59	15	42	116	32.6		3	17	67	33.7		15	0	1	33.6
30 / 34	54	4	23	81	29.0		0	5	30	29.6		4		0	29.2
25 / 29	31	1	9	41	25.0		0	0	9	25.2		1		0	25.2
20 / 24	15	0	1	16	20.7		0	0	2	20.8		0			21.0
15 / 19	3		0	3	16.0		0		0	15.0					
10 / 14	0			0	12.4										
5 / 9	0			0	5.0										
0 / 4															
-5 / -1															
-10 / -6															
-15 / -11															
-20 / -16															
-25 / -21															
-30 / -26															
-35 / -31															

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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	66.0		0	0	0	65.5					
100 / 104		2	0	2	62.8		2	1	3	63.6					
95 / 99		21	4	25	61.4		12	2	14	60.4		1	0	1	59.3
90 / 94		56	17	73	59.3	0	42	9	51	58.9		10	1	11	58.9
85 / 89	0	59	23	82	57.8	0	59	18	77	57.2		26	5	31	56.3
80 / 84	1	48	29	78	56.5	0	51	25	76	55.7	0	41	8	49	54.3
75 / 79	7	32	31	70	55.1	3	38	28	69	54.4	0	40	13	53	52.4
70 / 74	20	18	41	79	53.7	12	25	37	74	53.0	1	37	19	57	50.9
65 / 69	30	9	36	75	52.2	23	12	39	75	51.6	4	31	26	61	49.0
60 / 64	42	3	33	78	50.0	37	5	37	80	49.4	12	25	34	71	47.8
55 / 59	49	1	20	70	46.9	46	2	26	74	46.3	24	17	39	80	45.5
50 / 54	50	0	9	59	43.5	52	0	16	68	42.7	36	9	36	81	42.8
45 / 49	31	0	4	35	39.9	43	0	7	50	38.9	46	4	29	79	39.3
40 / 44	13		1	14	36.4	22		1	23	35.3	48	1	18	67	35.9
35 / 39	4			4	33.2	9		0	9	31.2	37	0	9	46	32.0
30 / 34	0			0	29.3	1		0	1	26.8	21		2	23	28.0
25 / 29						0			0	21.1	7		0	7	23.9
20 / 24						0			0	19.0	2			2	20.1
15 / 19															
10 / 14															
5 / 9															
0 / 4															
-5 / -1															
-10 / -6															
-15 / -11															
-20 / -16															
-25 / -21															
-30 / -26															
-35 / -31															

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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															
85 / 89		2		2	55.5										
80 / 84		10	1	11	52.7										
75 / 79		18	2	20	50.9		0		0	52.4					
70 / 74		26	3	29	49.2		1	0	1	50.1					
65 / 69		37	7	44	47.2		4	0	4	47.4					
60 / 64	1	34	15	49	45.2		13	1	14	45.5		1	0	1	43.5
55 / 59	3	33	21	56	43.3	1	21	4	26	42.9		2	0	2	41.9
50 / 54	9	32	31	71	41.4	2	29	9	40	40.7	1	10	1	12	40.9
45 / 49	20	28	41	88	38.7	8	31	18	57	38.7	3	19	6	28	38.0
40 / 44	39	16	49	104	35.9	16	41	29	86	35.7	7	36	13	56	35.3
35 / 39	54	10	39	103	32.1	26	41	41	108	32.3	23	54	33	109	32.4
30 / 34	56	4	23	83	28.2	40	32	48	121	28.8	30	47	42	118	28.7
25 / 29	35	1	12	48	24.0	46	16	42	105	24.5	32	33	43	108	24.4
20 / 24	18	0	4	22	19.5	41	7	25	73	20.3	33	22	41	96	20.1
15 / 19	7	0	1	8	15.5	30	2	14	46	15.8	36	11	34	81	15.7
10 / 14	3		1	4	10.6	14	1	6	21	11.1	38	6	18	62	11.0
5 / 9	1		0	1	6.4	8	0	2	10	6.3	23	3	8	34	6.3
0 / 4	0			0	1.7	3	0	1	4	1.5	13	1	5	19	1.7
-5 / -1						2		0	2	-2.9	4	1	2	7	-2.8
-10 / -6						1			1	-7.3	2	1	1	4	-7.4
-15 / -11						0			0	-11.0	2	0	1	3	-11.9
-20 / -16											1	0	0	1	-16.4
-25 / -21											1	0	1	2	-21.5
-30 / -26											1		0	1	-27.1
-35 / -31											0			0	-31.0

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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		0	0	0	65.6
100 / 104		4	1	5	63.1
95 / 99		40	7	47	60.9
90 / 94	0	127	32	159	59.1
85 / 89	0	182	58	240	57.2
80 / 84	2	212	83	297	55.4
75 / 79	13	209	106	328	53.5
70 / 74	40	195	147	382	51.8
65 / 69	76	190	168	434	49.8
60 / 64	128	189	205	522	47.7
55 / 59	183	195	208	586	45.0
50 / 54	241	211	224	676	42.3
45 / 49	280	225	244	749	39.2
40 / 44	314	244	276	833	36.1
35 / 39	360	243	309	912	32.6
30 / 34	360	191	283	834	28.9
25 / 29	298	110	216	624	24.6
20 / 24	217	71	141	429	20.2
15 / 19	152	38	92	282	15.7
10 / 14	106	22	53	180	11.0
5 / 9	67	12	31	110	6.3
0 / 4	41	6	20	67	1.5
-5 / -1	18	3	7	28	-2.8
-10 / -6	14	2	4	20	-7.3
-15 / -11	6	0	2	8	-11.8
-20 / -16	2	0	1	3	-16.8
-25 / -21	1	0	1	2	-21.5
-30 / -26	1		0	1	-26.8
-35 / -31	0			0	-31.0

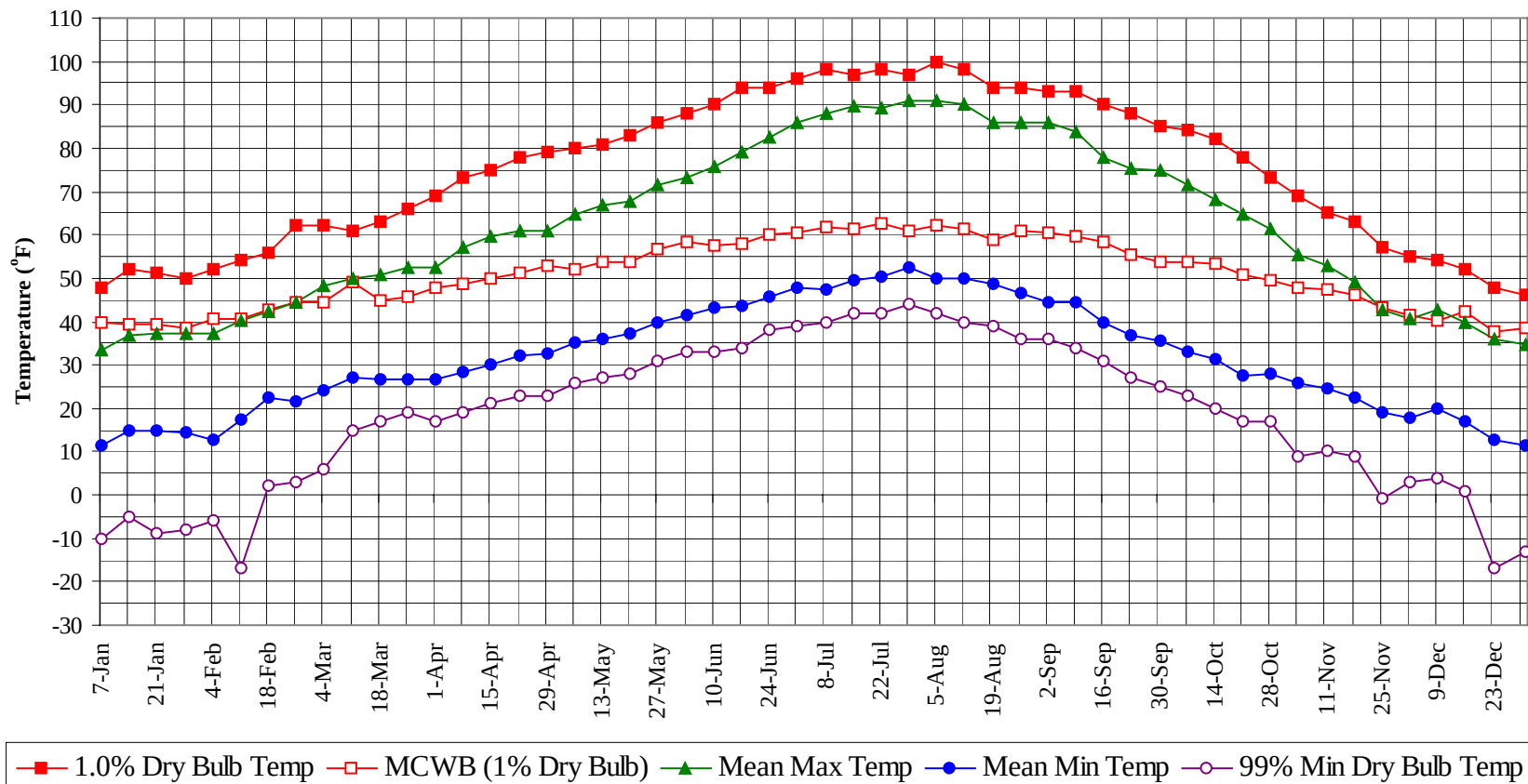
Caution: This summary reflects the typical distribution of temperature in a typical year. It does not reflect the typical moisture distribution. Because wet bulb temperatures are averaged, this summary understates the annual moisture load. For accurate moisture load data, see the long-term humidity summary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

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Annual Summary of Temperatures

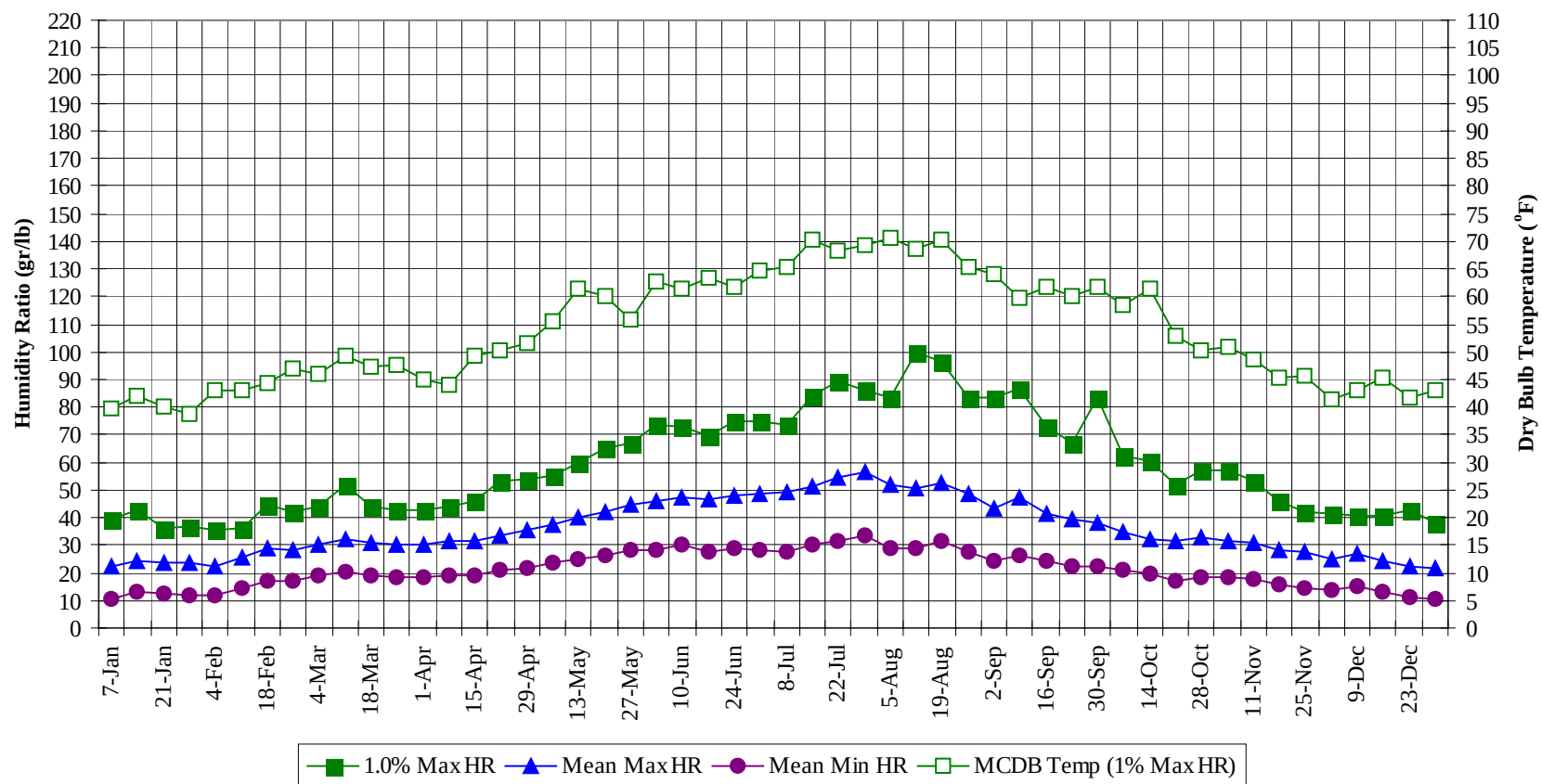


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Long Term Humidity and Dry Bulb Temperature Summary



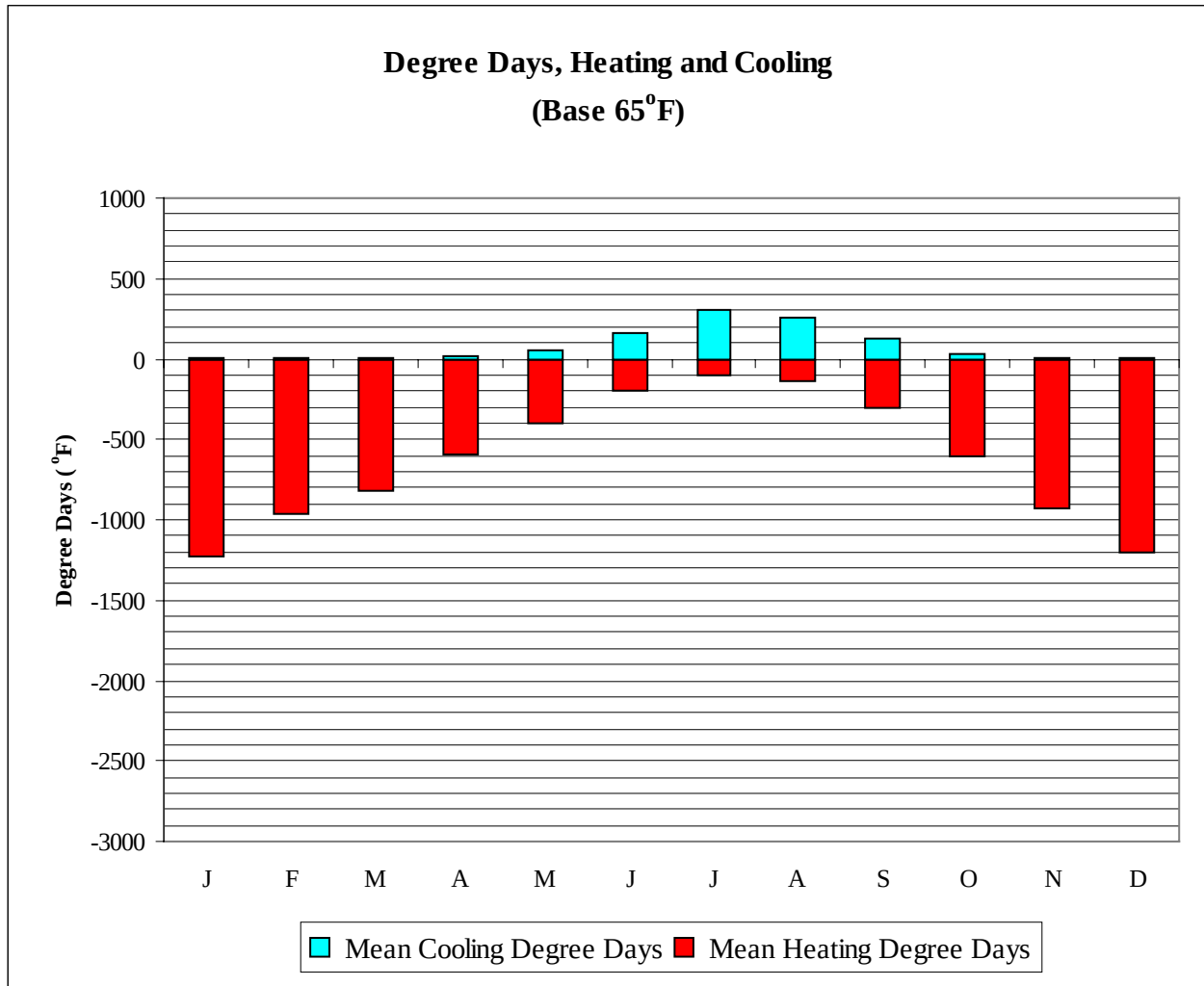
ELKO**NV****WMO No. 725825****Long Term Dry Bulb Temperature and Humidity Summary**

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	48.0	39.7	33.6	11.5	-10.0	39.2	39.6	22.1	10.8
14-Jan	52.0	39.3	37.0	14.7	-5.0	42.7	41.9	24.3	13.0
21-Jan	51.0	39.2	37.3	14.8	-9.0	36.4	40.0	23.8	12.7
28-Jan	50.0	38.7	37.3	14.4	-8.0	37.1	38.7	23.5	11.9
4-Feb	52.0	40.5	37.3	12.9	-6.0	35.7	43.2	22.2	11.5
11-Feb	54.0	40.6	40.4	17.3	-17.0	36.4	43.2	25.5	14.4
18-Feb	56.0	42.6	42.3	22.5	2.0	44.8	44.4	28.8	17.3
25-Feb	62.0	44.6	44.2	21.7	3.0	42.0	47.1	28.2	16.9
4-Mar	62.0	44.3	48.1	24.3	6.0	44.1	45.9	30.4	18.9
11-Mar	61.0	49.3	49.8	27.3	15.0	51.8	49.4	32.4	20.3
18-Mar	63.0	45.1	50.6	26.8	17.0	44.1	47.3	30.8	19.1
25-Mar	66.0	45.5	52.7	26.6	19.0	42.7	47.8	30.4	18.5
1-Apr	69.0	47.9	52.3	26.8	17.0	42.7	45.0	30.2	18.3
8-Apr	73.0	48.7	57.1	28.4	19.0	44.1	44.0	31.4	18.8
15-Apr	75.0	49.9	59.6	29.9	21.0	46.2	49.2	31.7	19.0
22-Apr	78.0	51.2	60.8	32.3	23.0	53.2	50.3	33.4	20.9
29-Apr	79.0	53.0	61.0	32.6	23.0	53.9	51.6	35.2	21.7
6-May	80.0	52.0	64.6	35.2	26.0	55.3	55.5	37.7	23.4
13-May	81.0	53.9	66.7	35.9	27.0	59.5	61.5	39.9	24.6
20-May	83.0	53.8	67.7	37.3	28.0	65.1	60.0	42.0	26.5
27-May	86.0	56.8	71.4	39.7	31.0	67.2	55.7	44.9	28.1
3-Jun	88.0	58.2	73.3	41.3	33.0	73.5	62.6	46.3	28.4
10-Jun	90.0	57.6	75.9	43.0	33.0	72.8	61.6	47.4	30.1
17-Jun	94.0	57.9	79.3	43.4	34.0	69.3	63.2	46.4	27.8
24-Jun	94.0	60.0	82.5	45.6	38.0	74.9	61.8	48.0	28.7
1-Jul	96.0	60.6	85.9	47.7	39.0	74.9	64.8	48.7	28.2
8-Jul	98.0	61.8	88.1	47.5	40.0	73.5	65.4	49.3	27.4
15-Jul	97.0	61.4	89.8	49.6	42.0	84.0	70.4	51.5	30.4
22-Jul	98.0	62.6	89.3	50.5	42.0	89.6	68.3	54.2	31.7
29-Jul	97.0	61.0	91.2	52.3	44.0	86.1	69.3	56.3	33.5
5-Aug	100.0	62.3	91.2	50.2	42.0	83.3	70.6	51.6	29.1
12-Aug	98.0	61.4	89.9	49.7	40.0	100.1	68.7	50.4	28.7
19-Aug	94.0	59.0	86.0	48.9	39.0	96.6	70.4	52.4	31.5
26-Aug	94.0	61.1	86.0	46.5	36.0	83.3	65.3	48.6	27.4
2-Sep	93.0	60.4	85.8	44.3	36.0	83.3	64.2	43.5	24.4
9-Sep	93.0	59.7	83.7	44.3	34.0	86.8	59.9	47.3	26.5
16-Sep	90.0	58.3	77.8	39.7	31.0	72.8	61.6	41.4	24.0
23-Sep	88.0	55.3	75.3	36.8	27.0	67.2	60.1	39.2	22.4
30-Sep	85.0	53.9	74.9	35.6	25.0	83.3	61.7	38.3	22.4
7-Oct	84.0	53.9	71.7	33.1	23.0	62.3	58.6	35.1	21.0
14-Oct	82.0	53.1	68.0	31.3	20.0	60.2	61.3	32.5	19.9
21-Oct	78.0	50.8	64.9	27.7	17.0	51.8	52.8	31.4	17.4
28-Oct	73.0	49.7	61.3	27.9	17.0	57.4	50.3	32.7	18.5
4-Nov	69.0	47.9	55.5	25.8	9.0	57.4	51.0	31.8	18.5
11-Nov	65.0	47.6	53.1	24.8	10.0	53.2	48.7	30.9	17.6
18-Nov	63.0	46.0	49.2	22.5	9.0	46.2	45.3	28.4	16.0
25-Nov	57.0	43.3	42.9	18.9	-1.0	42.0	45.6	27.4	14.6
2-Dec	55.0	41.6	40.5	18.0	3.0	41.3	41.4	24.9	13.7
9-Dec	54.0	40.2	42.7	20.0	4.0	40.6	43.0	26.6	15.2
16-Dec	52.0	42.3	39.8	17.1	1.0	40.6	45.4	24.1	13.1
23-Dec	48.0	37.7	36.1	12.9	-17.0	42.7	41.6	22.5	11.2
31-Dec	46.0	38.4	34.7	11.2	-13.0	37.8	42.9	22.0	10.7

ELKO

NV

WMO No. 725825



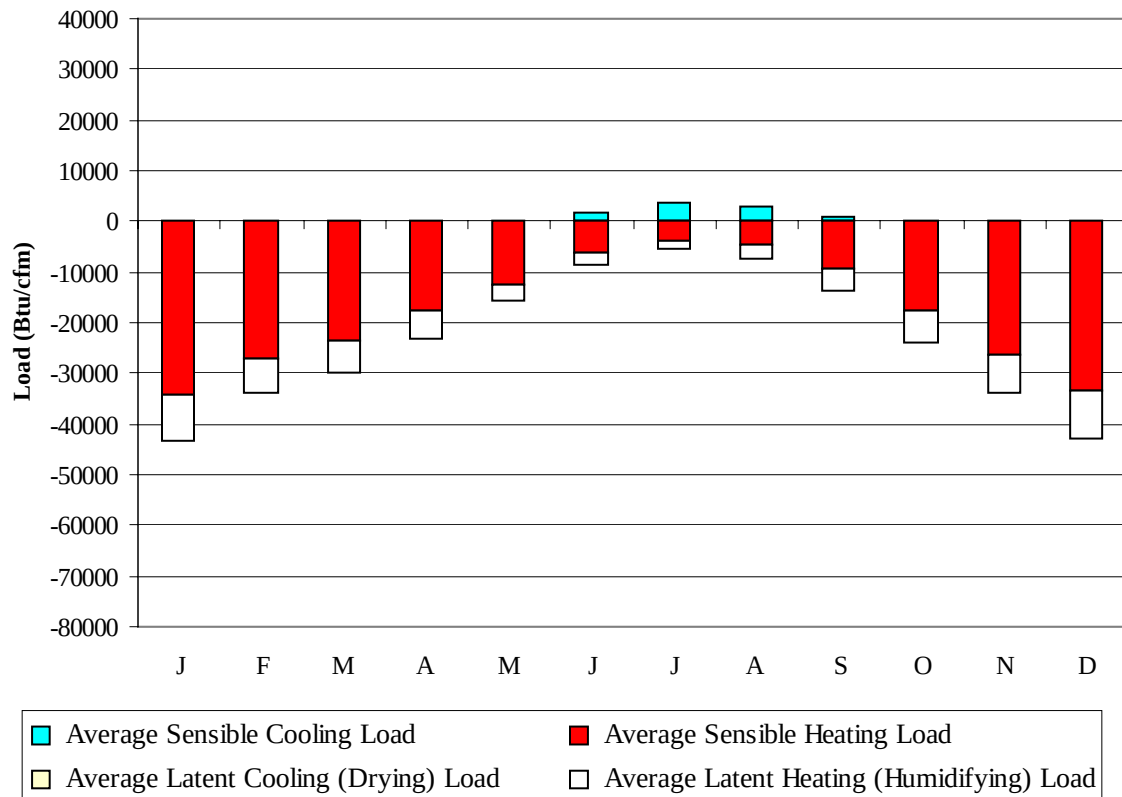
	Mean Cooling Degree Days (°F)	Mean Heating Degree Days (°F)
JAN	0	1222
FEB	0	959
MAR	1	822
APR	15	593
MAY	51	400
JUN	163	194
JUL	306	105
AUG	260	139
SEP	120	300
OCT	30	600
NOV	1	931
DEC	0	1201
ANN	946	7466

ELKO

NV

WMO No. 725825

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	-34016	0	-9349
FEB	0	-27026	0	-6961
MAR	0	-23700	0	-6177
APR	38	-17536	0	-5505
MAY	261	-12330	0	-3324
JUN	1555	-6319	0	-2209
JUL	3635	-3642	4	-1820
AUG	2926	-4678	19	-2859
SEP	1041	-9342	3	-4154
OCT	135	-17678	0	-6154
NOV	0	-26440	0	-7394
DEC	0	-33529	0	-9311
ANN	9591	-216236	26	-65217

Average Annual Solar Radiation – Nearest Available Site

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

City: ELKO
 State: NV
 WBAN No: 24121
 Lat(N): 40.83
 Long(W): 115.78
 Elev(ft): 5076

Stn Type: Secondary

SHADING GEOMETRY IN DIMENSIONLESS UNITS

Window: 1

Overhang: 0.557

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	670	930	1270	1660	2000	2260	2350	2080	1700	1200	730	590	1460
	Std Dev	56	86	94	148	180	172	111	124	124	80	69	59	39
	Minimum	580	790	1080	1370	1590	1830	2140	1740	1370	1040	610	460	1380
	Maximum	760	1150	1440	1920	2330	2580	2690	2280	1970	1330	880	720	1530
	Diffuse	300	390	530	660	710	670	570	520	410	330	310	260	470
Clear Day	Global	930	1280	1790	2310	2660	2790	2710	2410	1950	1420	990	820	1840
NORTH	Global	200	260	340	440	570	670	630	480	360	270	210	170	380
	Diffuse	200	260	340	430	490	510	490	430	350	270	210	170	350
Clear Day	Global	160	220	290	410	600	730	660	470	330	240	170	150	370
EAST	Global	480	640	850	1070	1230	1370	1430	1320	1130	830	520	440	940
	Diffuse	240	320	420	530	580	600	570	530	440	330	250	210	420
Clear Day	Global	750	960	1230	1450	1570	1610	1580	1480	1280	1020	760	670	1200
SOUTH	Global	1170	1240	1190	1060	920	860	940	1140	1420	1500	1180	1150	1150
	Diffuse	360	420	490	540	550	540	520	510	470	410	350	320	460
Clear Day	Global	2100	2110	1930	1490	1130	960	1020	1310	1730	2020	2060	2040	1660
WEST	Global	480	620	790	960	1100	1230	1280	1180	1050	800	500	430	870
	Diffuse	250	320	430	530	590	610	580	540	440	340	250	210	430
Clear Day	Global	750	960	1230	1450	1570	1610	1580	1480	1280	1020	760	670	1200

Average Annual Solar Heat and Illumination – Nearest Available Site

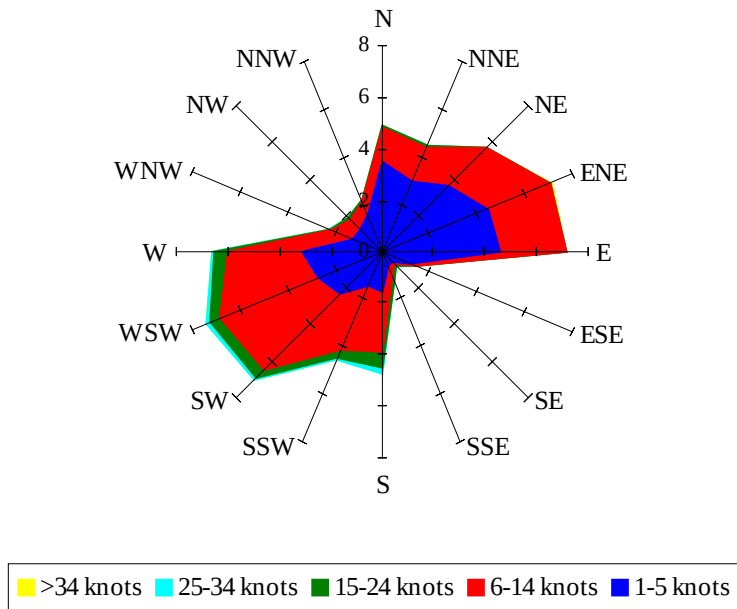
(Source: National Renewable Energy Laboratory, Golden CO, 1995)

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	430	630	890	1190	1450	1650	1720	1510	1220	820	480	370	1030
NORTH	Unshaded	140	180	240	300	370	420	400	310	240	190	140	120	250
	Shaded	120	160	210	270	330	380	360	290	230	170	130	110	230
EAST	Unshaded	330	450	610	770	890	980	1030	950	810	590	360	300	670
	Shaded	300	400	530	660	760	830	870	820	710	530	330	270	580
SOUTH	Unshaded	880	910	820	690	560	500	540	710	950	1080	890	870	780
	Shaded	860	850	640	440	340	340	330	380	660	950	860	850	620
WEST	Unshaded	330	430	560	680	780	880	910	840	750	570	350	300	620
	Shaded	300	380	490	590	670	740	770	720	660	510	310	270	540

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	47	76	81	59	21	57	90	103	94	65
	M.Cloudy	30	50	52	38	14	39	64	77	68	43
NORTH	M.Clear	10	13	14	12	6	14	15	16	15	13
	M.Cloudy	11	15	16	13	6	14	17	18	17	14
EAST	M.Clear	80	50	14	12	6	87	68	22	15	13
	M.Cloudy	39	32	16	13	6	49	47	21	17	14
SOUTH	M.Clear	50	80	84	62	22	12	36	49	41	16
	M.Cloudy	26	46	47	33	11	13	29	39	33	15
WEST	M.Clear	10	13	31	73	64	12	15	16	58	84
	M.Cloudy	11	15	24	37	24	13	17	18	43	48
M.Clear	(% hrs)	32	27	24	23	26	62	57	49	41	40
		Sept					Dec				
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	38	73	87	76	43	20	43	45	24	0
	M.Cloudy	25	51	63	53	28	13	28	29	16	0
NORTH	M.Clear	9	13	15	14	10	6	10	10	7	0
	M.Cloudy	9	14	17	15	10	6	10	10	6	0
EAST	M.Clear	82	67	18	14	10	52	35	10	7	0
	M.Cloudy	41	43	19	15	10	18	19	10	6	0
SOUTH	M.Clear	30	65	79	68	36	54	91	94	61	0
	M.Cloudy	18	43	55	45	21	18	39	39	23	0
WEST	M.Clear	9	13	15	61	82	6	10	29	53	0
	M.Cloudy	9	14	17	41	40	6	10	17	21	0
M.Clear	(% hrs)	69	70	64	58	57	34	33	34	32	34

Wind Summary - December, January, and February

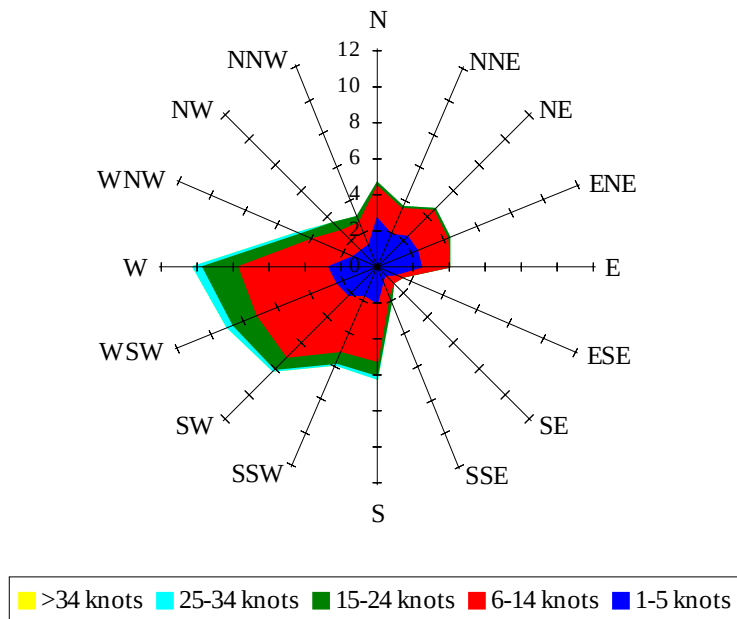
Labels of Percent Frequency on North Axis



Percent Calm = 30.47

Wind Summary - March, April, and May

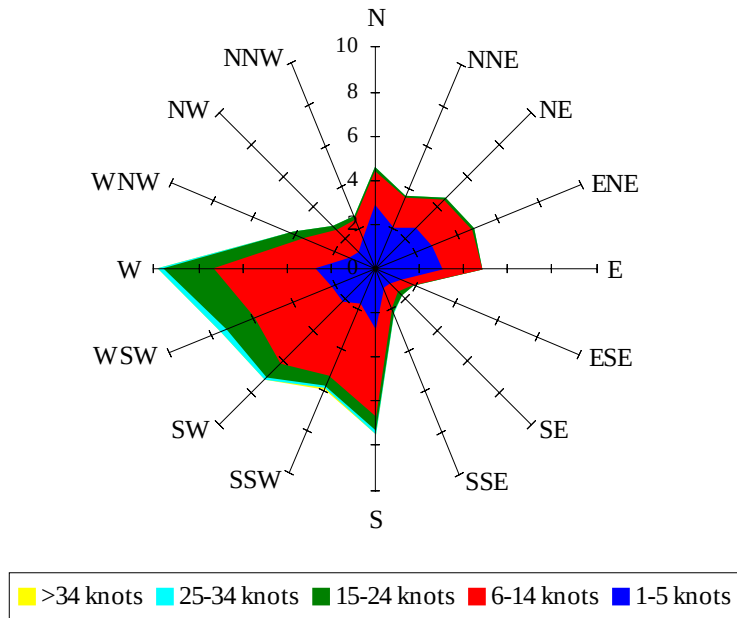
Labels of Percent Frequency on North Axis



Percent Calm = 23.53

Wind Summary - June, July, and August

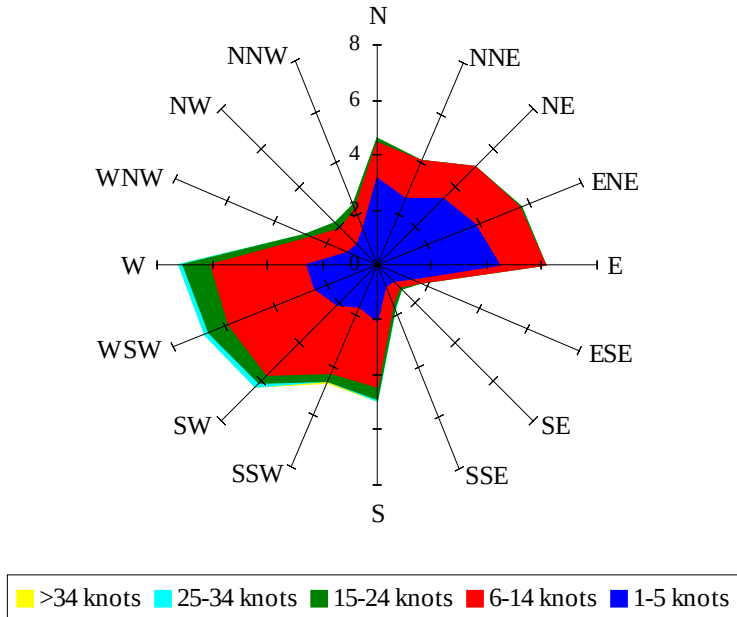
Labels of Percent Frequency on North Axis



Percent Calm = 25.48

Wind Summary - September, October, and November

Labels of Percent Frequency on North Axis



Percent Calm = 32.62