

ALBUQUERQUE NM	
Latitude = 35.05 N	WMO No. 723650
Longitude = 106.60 W	Elevation = 5315 feet
Period of Record = 1967 to 1996	Average Pressure = 24.72 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	61	34	10.0	SSW
0.4% Occurrence	96	61	40	9.2	W
1.0% Occurrence	94	61	42	9.8	W
2.0% Occurrence	91	60	45	9.8	W
Mean Daily Range	25	-	-	-	-
97.5% Occurrence	23	20	14	7.9	N
99.0% Occurrence	19	17	12	7.3	N
99.6% Occurrence	15	13	10	7.1	N
Median of Extreme Lows	9	8	8	7.3	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	67	84	92	9.0	SW
0.4% Occurrence	66	84	85	9.1	S
1.0% Occurrence	65	83	81	8.4	SW
2.0% Occurrence	64	82	79	8.4	W
	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	109	71	0.60	8.4	S
0.4% Occurrence	97	68	0.54	7.0	N
1.0% Occurrence	94	68	0.52	7.2	N
2.0% Occurrence	90	68	0.50	6.8	N
Air Conditioning/ Humid Area Criteria	# of Hours	T ≥ 93°F	T ≥ 80°F	T _{wb} ≥ 73°F	T _{wb} ≥ 67°F
		125	1032	0	10

Other Site Data

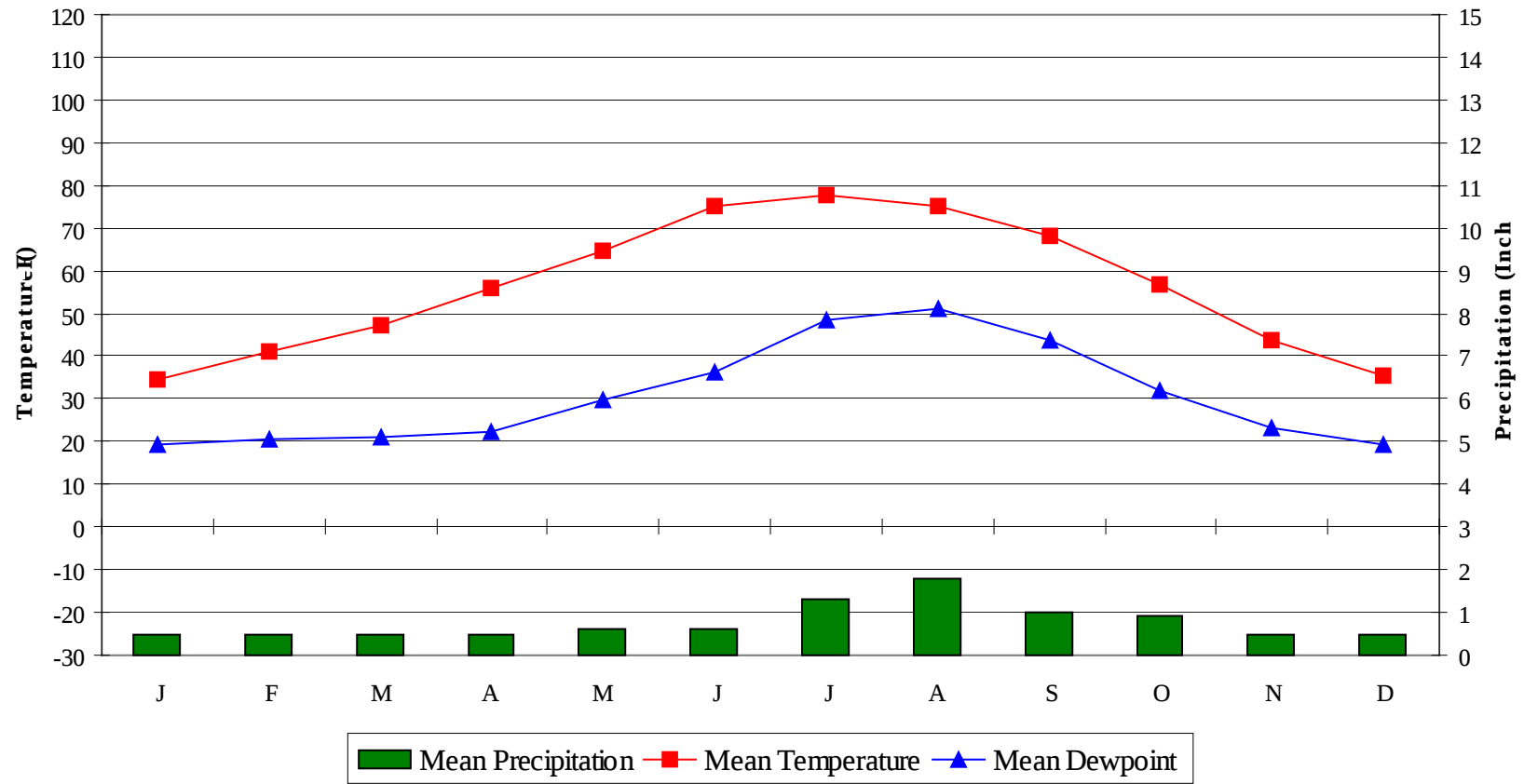
Weather Region	Rain Rate 100 Year Recurrence (in./hr)	Basic Wind Speed 3 sec gust @ 33 ft 50 Year Recurrence (mph)	Ventilation Cooling Load Index (Ton-hr/cfm/yr) Base 75°F-RH 60% Latent + Sensible
7	2.0	N/A	0.0 + 1.1
Ground Water Temperature (°F) 50 Foot Depth *	Frost Depth 50 Year Recurrence (in.)	Ground Snow Load 50 Year Recurrence (lb/ft ²)	Average Annual Freeze-Thaw Cycles (#)
58.8	22	4	91

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

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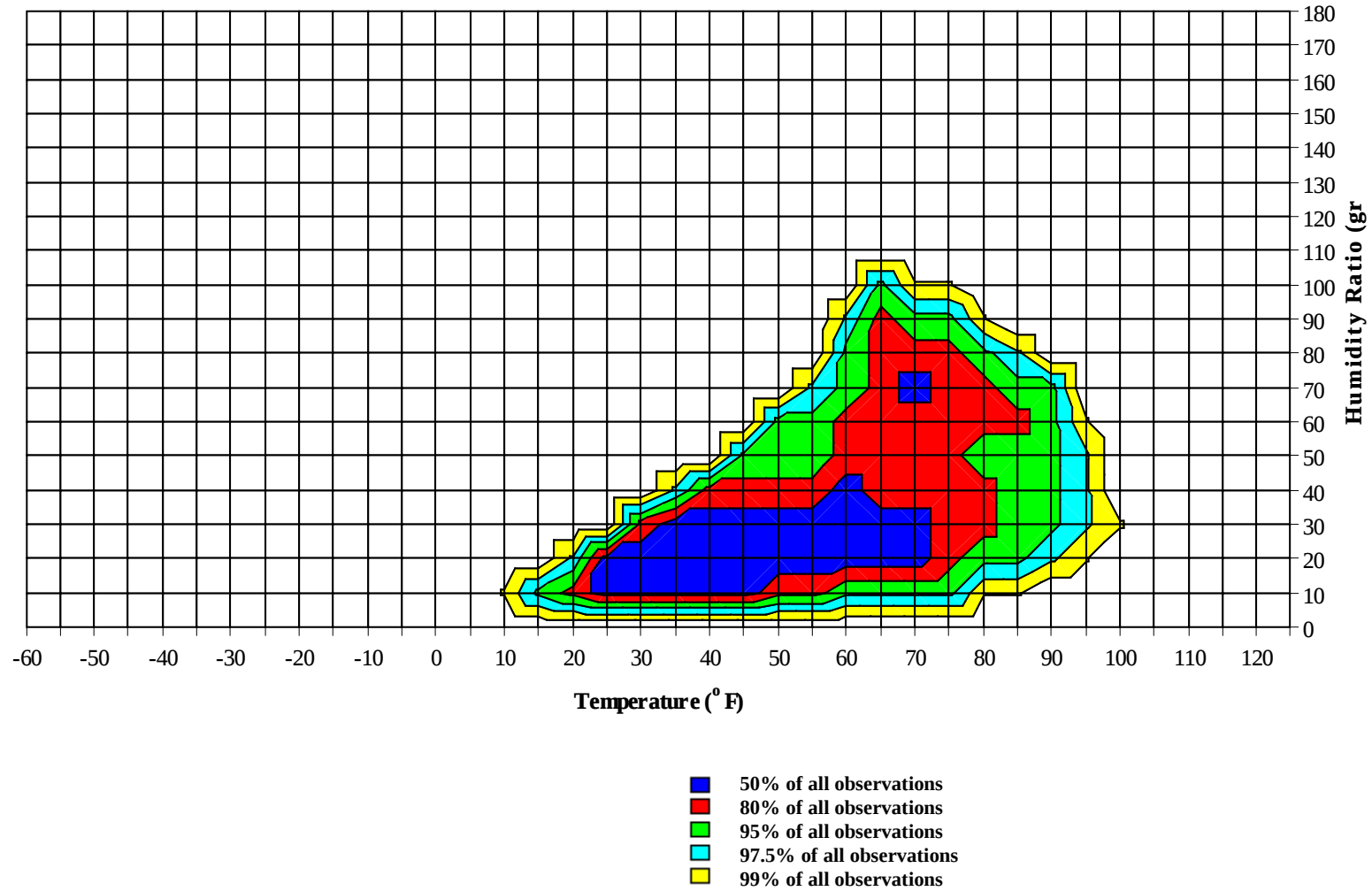
Average Annual Climate



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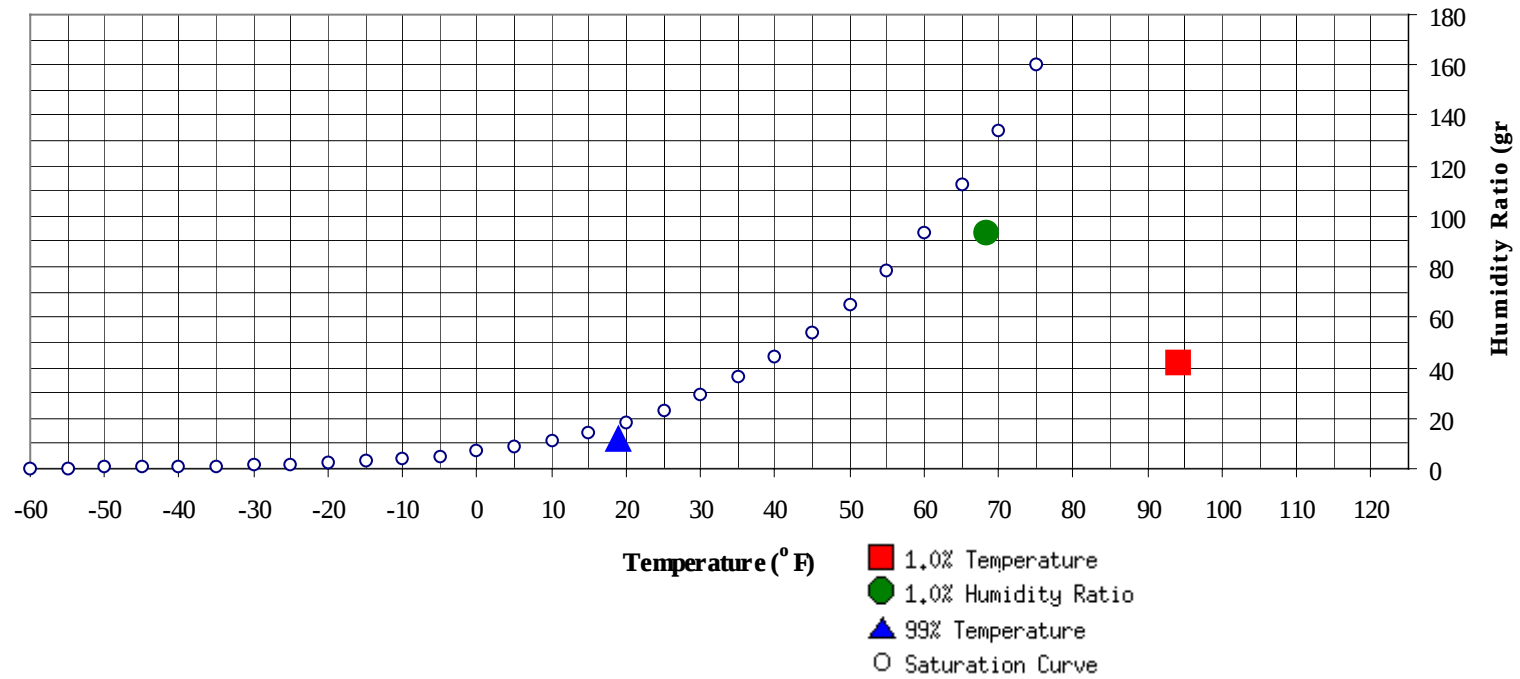
Long Term Psychrometric Summary



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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	19	11.8	6.4		93.8	68.4	62.7	60.1	31.0

	(°F)	MCHR (gr/lb)	MCWB (°F)	Enthalpy (btu/lb)
1.0% Dry Bulb	94	42.1	60.6	29.2

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

Period of Record = 1967 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												1	0	1	50.8
75 / 79											3	1		4	48.6
70 / 74							1	0	2	46.2	13	5		18	47.0
65 / 69		0	0	0	43.9		7	2	9	44.7		29	12	41	44.6
60 / 64		4	1	4	42.9		17	7	24	42.8	0	37	20	57	42.8
55 / 59		13	3	16	40.8	0	30	15	45	41.0	2	42	34	78	40.8
50 / 54	0	28	10	38	38.7	2	40	30	72	38.7	14	42	45	101	38.9
45 / 49	1	42	25	67	36.5	12	41	39	92	36.7	35	36	48	118	36.7
40 / 44	9	50	41	101	34.0	26	36	47	109	34.1	58	26	40	123	34.2
35 / 39	33	44	62	139	31.0	51	26	40	117	31.0	64	13	28	105	31.3
30 / 34	66	37	53	156	27.6	66	16	29	111	27.8	50	5	12	68	27.9
25 / 29	65	18	32	115	23.8	41	7	11	59	24.0	19	2	4	25	23.8
20 / 24	43	8	14	65	19.5	18	2	3	23	19.6	6	0	1	7	19.7
15 / 19	18	3	6	26	15.2	5	1	1	7	15.6	1			1	16.4
10 / 14	9	1	2	11	10.7	1	0	0	2	10.7					
5 / 9	3	0	0	4	6.6	1	0	0	1	5.8					
0 / 4	1		0	1	2.3										
-5 / -1	0			0	-3.0										
-10 / -6															

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 = 1967 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												0	0	0	62.2
100 / 104												4	1	5	60.7
95 / 99							0	0	0	57.3		15	7	22	58.7
90 / 94							4	1	6	55.4		38	19	58	57.8
85 / 89		1	0	1	53.3		17	8	25	53.8	0	52	31	83	56.9
80 / 84		9	3	12	51.2		40	18	58	52.7	4	51	39	95	55.8
75 / 79		27	10	37	49.0	0	50	29	80	51.3	15	40	44	100	54.9
70 / 74	0	44	22	66	47.3	4	52	41	97	50.0	40	24	45	108	53.8
65 / 69	1	44	32	77	45.6	19	39	45	103	48.5	65	11	33	109	52.4
60 / 64	9	39	42	90	43.8	47	23	46	116	47.1	66	3	16	86	50.3
55 / 59	26	26	42	95	41.8	65	12	32	110	45.4	33	0	5	39	47.2
50 / 54	48	24	35	107	39.7	60	6	18	84	42.9	13		1	14	44.1
45 / 49	57	14	26	97	37.2	33	3	8	43	39.7	2		0	2	40.6
40 / 44	47	6	17	69	34.3	13	1	3	17	36.3	0			0	30.3
35 / 39	31	3	7	41	31.5	5	0	0	6	33.8					
30 / 34	14	2	3	19	28.2	1			1	26.9					
25 / 29	5	0	1	5	24.3										
20 / 24	1		0	1	20.3										
15 / 19															
10 / 14															
5 / 9															
0 / 4															
-5 / -1															
-10 / -6															

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Dry-Bulb Temperature Hours For An Average Year (Sheet 3 of 5)**Period of Record = 1967 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															
100 / 104		3	1	4	60.6										
95 / 99		19	7	26	61.5		6	1	7	62.3		1	0	1	61.5
90 / 94		55	23	77	61.5		36	12	48	62.1		7	2	9	60.0
85 / 89	0	62	29	91	61.4		59	24	83	62.0		23	7	31	59.2
80 / 84	4	56	45	105	60.7	0	64	37	101	61.5	0	53	20	72	57.8
75 / 79	31	36	59	126	59.8	12	49	58	120	60.6	1	55	32	88	56.9
70 / 74	81	13	49	142	59.0	62	25	65	152	59.8	11	46	48	105	55.9
65 / 69	94	3	29	127	58.5	104	8	38	149	58.9	41	30	56	127	54.6
60 / 64	36	1	7	44	56.5	59	2	13	75	57.4	79	17	47	144	53.1
55 / 59	2		0	2	51.7	10	0	0	11	52.5	65	6	19	90	50.0
50 / 54	0			0	51.0	0			0	42.0	32	1	6	39	45.8
45 / 49											9	0	2	12	41.8
40 / 44											2	0	0	2	37.2
35 / 39											0			0	35.2
30 / 34															
25 / 29															
20 / 24															
15 / 19															
10 / 14															
5 / 9															
0 / 4															
-5 / -1															
-10 / -6															

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Dry-Bulb Temperature Hours For An Average Year (Sheet 4 of 5)**Period of Record = 1967 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	55.3										
85 / 89		2	0	3	54.3										
80 / 84		11	2	13	53.7										
75 / 79		29	8	37	52.3		0		0	49.0					
70 / 74	0	43	17	60	50.9		5	0	5	48.2					
65 / 69	1	47	30	78	49.3		17	3	20	46.4		1		1	44.6
60 / 64	11	43	49	103	47.6		31	10	41	44.5		6	0	7	43.2
55 / 59	38	30	53	121	45.8	1	41	20	62	42.6		17	2	19	41.0
50 / 54	65	20	43	128	43.4	9	42	38	89	40.4	0	32	11	44	38.6
45 / 49	61	11	24	95	39.8	24	39	51	113	37.7	3	43	26	72	36.1
40 / 44	39	6	13	58	36.3	45	29	45	120	34.6	14	47	43	103	34.1
35 / 39	20	3	7	30	32.7	63	22	37	122	31.4	33	42	61	136	31.1
30 / 34	10	1	2	13	28.4	53	11	24	88	27.8	65	33	53	151	27.5
25 / 29	3	0	1	3	24.8	27	3	10	40	23.8	67	18	32	117	23.6
20 / 24	0	0	0	1	20.4	13	0	2	15	19.7	41	6	15	63	19.8
15 / 19						2	0	0	3	15.8	16	2	3	21	15.5
10 / 14						0	0	0	1	11.2	6	1	1	8	10.6
5 / 9						0	0	0	1	6.1	2	0	1	2	6.5
0 / 4						0	0	0	0	1.4	1		0	1	1.4
-5 / -1						0			0	-3.3	0			0	-4.0
-10 / -6						0			0	-5.7	0			0	-6.0

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

Period of Record = 1967 to 1996

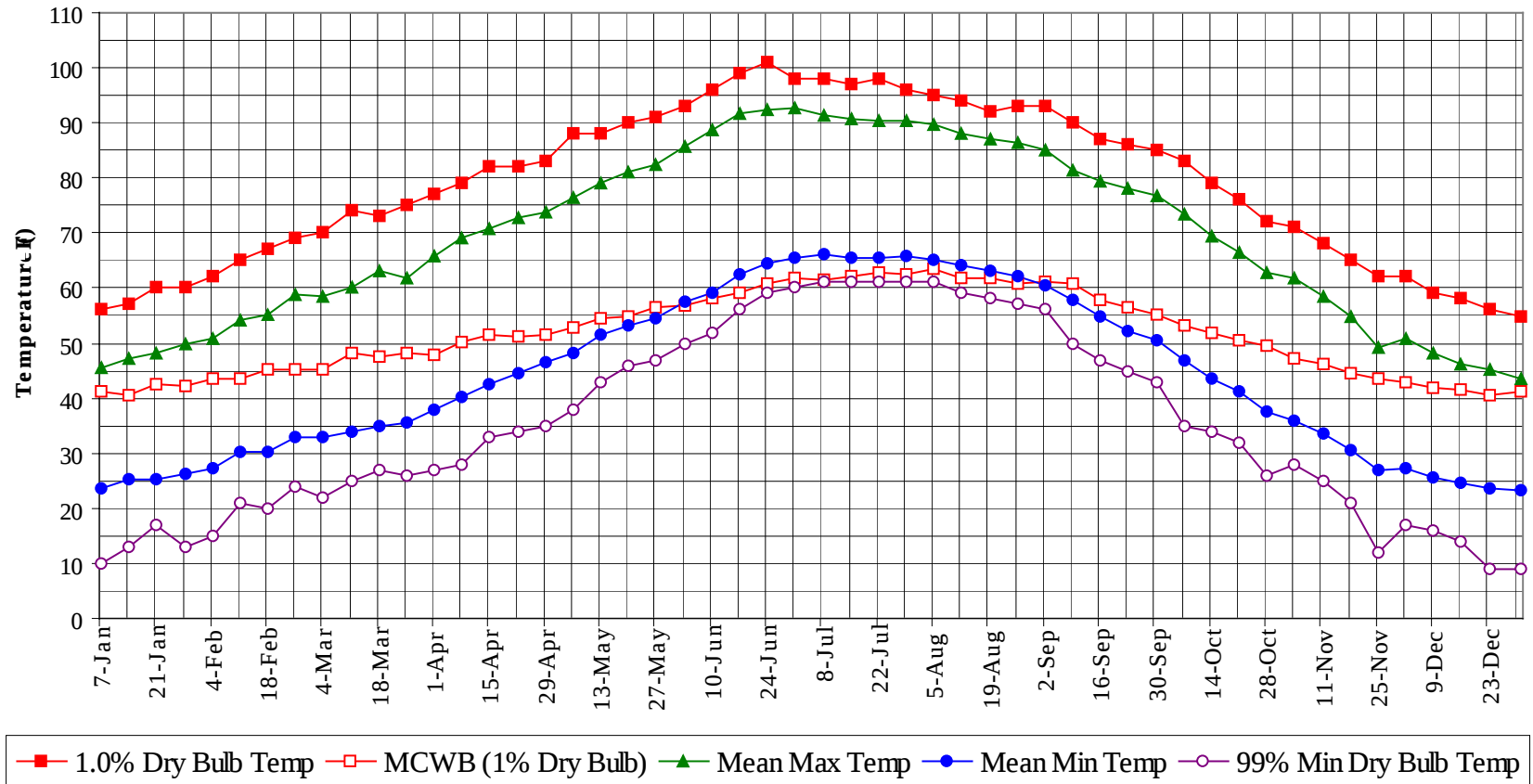
Annual Totals					
Temperature Range (°F)	Hour Group (LST)			Total Obs	M C W B (°F)
	01 To 08	09 To 16	17 To 00		
105 / 109		0	0	0	62.2
100 / 104		7	2	9	60.6
95 / 99		41	15	56	60.5
90 / 94		140	57	197	60.3
85 / 89	0	218	98	316	59.5
80 / 84	8	284	163	455	57.9
75 / 79	60	289	241	589	56.4
70 / 74	198	263	291	753	54.8
65 / 69	325	234	279	839	52.8
60 / 64	307	223	256	786	49.1
55 / 59	242	219	225	686	44.5
50 / 54	242	236	236	715	40.9
45 / 49	236	229	247	711	37.5
40 / 44	253	202	250	705	34.5
35 / 39	303	154	244	700	31.3
30 / 34	327	106	177	611	27.7
25 / 29	229	48	90	367	23.8
20 / 24	123	17	35	176	19.7
15 / 19	42	6	10	58	15.4
10 / 14	17	2	4	22	10.7
5 / 9	6	1	1	8	6.4
0 / 4	2	0	0	2	1.7
-5 / -1	0			0	-3.4
-10 / -6	0			0	-5.8

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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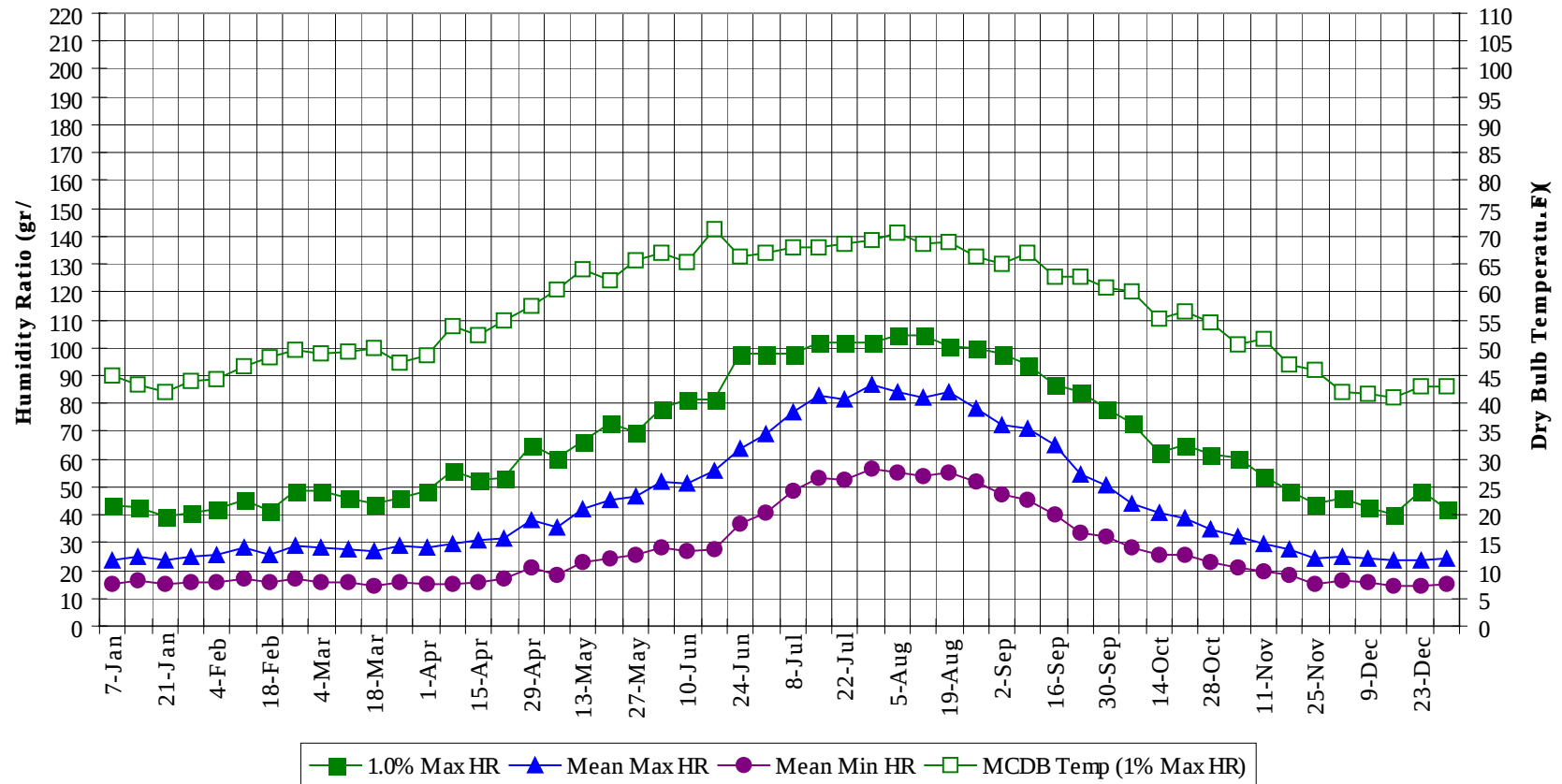
Annual Summary of Temperatures



ALBUQUERQUE NM

WMO No. 723650

Long Term Humidity and Dry Bulb Temperature Summary



ALBUQUERQUE NM

WMO No. 723650

Long Term Dry Bulb Temperature and Humidity Summary

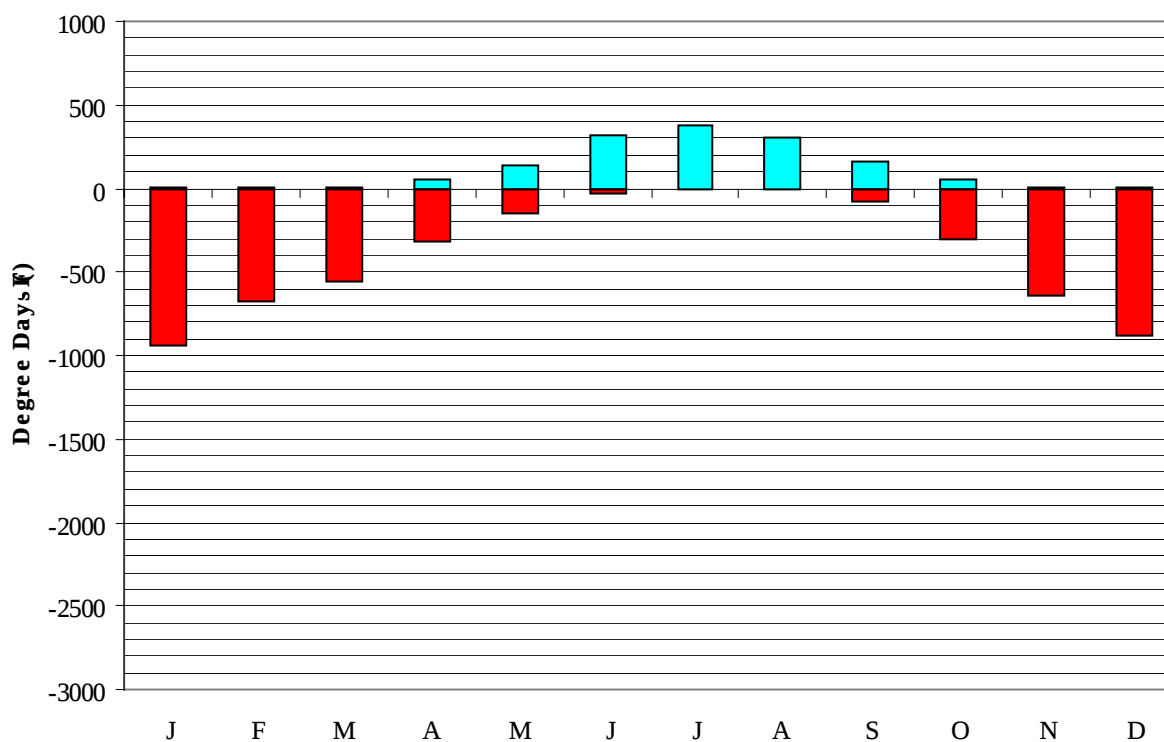
Week Ending	1.0% Temp (°F)	MCWB @ 1% Temp (°F)	Mean Max Temp (°F)	Mean Min Temp (°F)	99% Temp (°F)	1.0% HR (gr/lb)	MCDB @ 1% HR (°F)	Mean Max HR (gr/lb)	Mean Min HR (gr/lb)
7-Jan	56.0	41.1	45.6	23.6	10.0	43.4	45.1	23.5	14.9
14-Jan	57.0	40.7	47.3	25.4	13.0	42.7	43.4	25.1	16.4
21-Jan	60.0	42.7	48.2	25.3	17.0	39.2	42.0	23.9	15.0
28-Jan	60.0	42.1	49.7	26.2	13.0	40.6	43.9	24.8	15.4
4-Feb	62.0	43.5	50.9	27.2	15.0	42.0	44.2	25.7	15.8
11-Feb	65.0	43.4	54.3	30.1	21.0	45.5	46.6	28.0	17.4
18-Feb	67.0	45.2	55.2	30.4	20.0	41.3	48.3	25.9	15.5
25-Feb	69.0	45.3	58.7	32.9	24.0	48.3	49.6	28.9	17.0
4-Mar	70.0	45.3	58.5	32.8	22.0	48.3	48.8	27.9	16.1
11-Mar	74.0	48.1	60.2	34.0	25.0	46.2	49.3	27.9	15.9
18-Mar	73.0	47.5	63.0	35.1	27.0	44.1	50.1	27.2	14.5
25-Mar	75.0	48.1	62.0	35.5	26.0	46.2	47.3	28.8	15.5
1-Apr	77.0	47.7	65.8	38.0	27.0	48.3	48.6	28.4	14.8
8-Apr	79.0	50.3	69.0	40.3	28.0	56.0	53.7	29.8	15.2
15-Apr	82.0	51.5	70.8	42.7	33.0	52.5	52.1	30.6	15.9
22-Apr	82.0	51.2	72.8	44.5	34.0	53.2	54.7	31.7	17.3
29-Apr	83.0	51.6	73.7	46.4	35.0	65.1	57.5	38.2	21.3
6-May	88.0	52.7	76.5	48.1	38.0	60.2	60.3	35.4	18.4
13-May	88.0	54.4	79.2	51.4	43.0	66.5	63.9	42.1	23.2
20-May	90.0	54.8	81.0	53.1	46.0	72.8	61.9	45.4	24.2
27-May	91.0	56.6	82.4	54.5	47.0	69.3	65.7	46.8	25.3
3-Jun	93.0	57.0	85.7	57.5	50.0	78.4	66.8	51.8	28.3
10-Jun	96.0	58.0	88.6	59.3	52.0	81.2	65.3	51.2	26.9
17-Jun	99.0	59.3	91.9	62.4	56.0	81.2	71.2	55.7	27.4
24-Jun	101.0	60.9	92.4	64.4	59.0	98.0	66.4	63.9	36.5
1-Jul	98.0	61.8	92.8	65.6	60.0	98.0	67.1	68.9	40.5
8-Jul	98.0	61.3	91.5	66.1	61.0	98.0	68.0	77.2	48.7
15-Jul	97.0	62.1	90.8	65.5	61.0	101.5	68.1	82.9	52.9
22-Jul	98.0	62.9	90.5	65.4	61.0	101.5	68.5	81.5	52.7
29-Jul	96.0	62.3	90.3	65.7	61.0	101.5	69.4	86.8	56.2
5-Aug	95.0	63.4	89.7	65.2	61.0	104.3	70.7	84.4	55.5
12-Aug	94.0	61.7	88.2	64.0	59.0	104.3	68.7	81.9	54.2
19-Aug	92.0	61.7	87.1	63.0	58.0	100.8	68.9	84.4	55.3
26-Aug	93.0	60.8	86.6	62.2	57.0	100.1	66.2	77.9	51.6
2-Sep	93.0	61.2	85.2	60.6	56.0	98.0	65.1	72.4	47.2
9-Sep	90.0	60.8	81.5	57.9	50.0	93.8	67.0	70.8	45.3
16-Sep	87.0	57.7	79.3	54.8	47.0	86.8	62.7	64.8	39.8
23-Sep	86.0	56.6	78.1	52.0	45.0	84.0	62.6	54.7	33.7
30-Sep	85.0	55.2	76.6	50.5	43.0	78.4	60.6	50.8	31.9
7-Oct	83.0	53.1	73.5	46.9	35.0	72.8	60.0	44.2	28.0
14-Oct	79.0	51.9	69.6	43.6	34.0	62.3	55.1	41.0	25.7
21-Oct	76.0	50.6	66.4	41.3	32.0	65.1	56.5	38.8	25.4
28-Oct	72.0	49.4	62.7	37.5	26.0	61.6	54.6	35.0	22.8
4-Nov	71.0	47.3	61.7	35.8	28.0	60.2	50.5	32.2	20.9
11-Nov	68.0	46.1	58.4	33.7	25.0	53.9	51.4	29.7	19.5
18-Nov	65.0	44.6	54.7	30.7	21.0	48.3	46.9	27.8	18.1
25-Nov	62.0	43.4	49.1	26.8	12.0	44.1	46.1	24.6	15.1
2-Dec	62.0	42.9	50.9	27.4	17.0	46.2	42.1	25.0	16.3
9-Dec	59.0	41.9	48.3	25.7	16.0	42.7	41.6	24.4	15.7
16-Dec	58.0	41.7	46.3	24.5	14.0	39.9	41.1	23.3	14.6
23-Dec	56.0	40.7	45.1	23.6	9.0	48.3	43.1	23.5	14.7
31-Dec	55.0	41.1	43.5	23.3	9.0	42.0	43.1	24.0	15.2

ALBUQUERQUE

NM

WMO No. 723650

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



■ Mean Cooling Degree Days ■ Mean Heating Degree Days

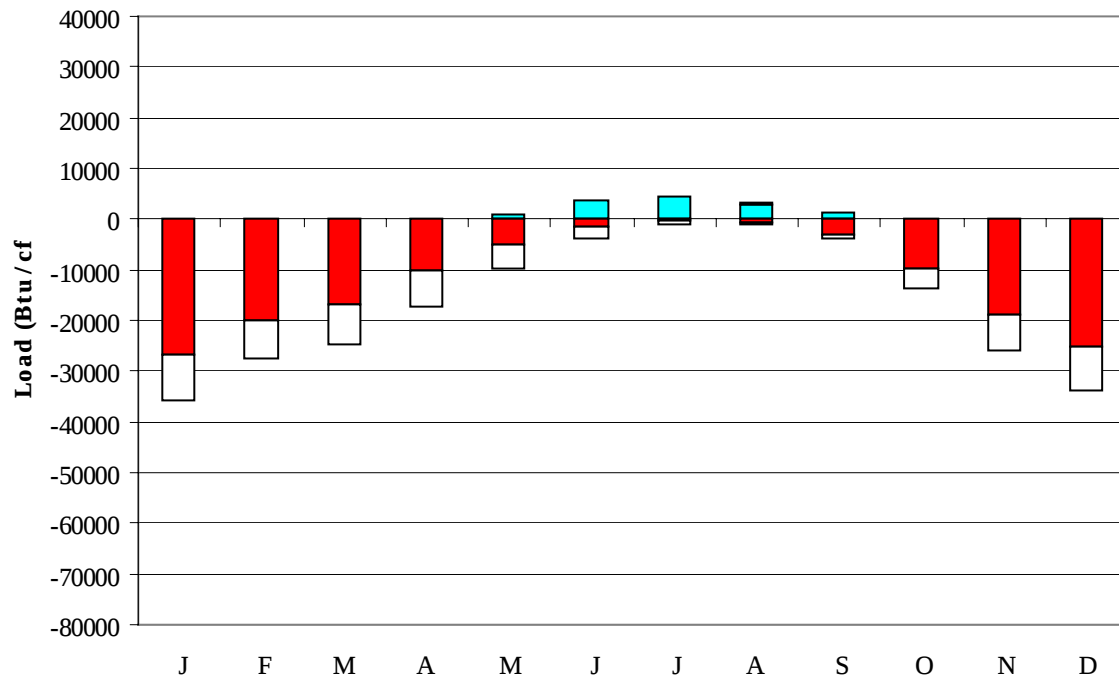
	Mean Cooling Degree Days (°F)	Mean Heating Degree Days (°F)
JAN	0	938
FEB	1	681
MAR	9	560
APR	48	323
MAY	138	148
JUN	313	31
JUL	372	5
AUG	302	11
SEP	161	78
OCT	49	308
NOV	3	637
DEC	0	885
ANN	1396	4605

ALBUQUERQUE

NM

WMO No. 723650

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 (Drying) Load ■ Average Latent Heating (Humidifying) Load

	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	-26715	0	-9072
FEB	0	-19829	0	-7600
MAR	8	-16804	0	-7978
APR	153	-10202	0	-7097
MAY	981	-5152	0	-4593
JUN	3651	-1383	8	-2567
JUL	4323	-418	63	-443
AUG	3045	-738	100	-133
SEP	1273	-3131	10	-803
OCT	192	-9876	0	-3636
NOV	0	-18802	0	-6953
DEC	0	-25262	0	-8747
ANN	13626	-138312	181	-59622

Average Annual Solar Radiation – Nearest Available Site

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

City: ALBUQUERQUE
 State: NM
 WBAN No: 23050
 Lat(N): 35.05
 Long(W): 106.62
 Elev(ft): 5312

Stn Type: Primary
 SHADING GEOMETRY IN DIMENSIONLESS UNITS

Window: 1
 Overhang: 0.394
 Vert Gap: 0.286

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	1010	1320	1700	2160	2430	2560	2380	2180	1860	1500	1100	910	1760
	Std Dev	79	96	121	91	119	105	81	93	95	101	79	74	56
	Minimum	830	1100	1410	1950	2170	2350	2160	1870	1700	1270	890	710	1630
	Maximum	1140	1470	1930	2310	2630	2720	2510	2350	2070	1680	1220	1030	1850
	Diffuse	310	400	540	600	650	640	700	640	520	390	310	280	500
Clear Day	Global	1200	1550	2020	2490	2740	2830	2730	2490	2120	1660	1250	1080	2020
NORTH	Global	240	300	390	480	620	700	630	500	400	320	250	220	420
	Diffuse	240	300	390	450	510	520	520	470	400	320	250	220	380
Clear Day	Global	210	260	330	430	620	750	680	480	350	280	220	190	400
EAST	Global	700	870	1070	1310	1430	1460	1360	1270	1130	970	750	650	1080
	Diffuse	300	380	480	560	610	610	620	570	490	400	310	270	470
Clear Day	Global	870	1070	1300	1490	1580	1580	1540	1470	1320	1110	900	810	1250
SOUTH	Global	1640	1620	1430	1170	900	760	810	1020	1320	1620	1640	1610	1290
	Diffuse	410	470	540	550	540	530	540	540	520	470	410	380	490
Clear Day	Global	2190	2130	1830	1330	930	760	820	1110	1580	1990	2130	2160	1580
WEST	Global	690	850	1010	1220	1290	1290	1140	1120	1060	940	740	630	1000
	Diffuse	300	380	480	570	620	620	620	580	500	400	320	270	470
Clear Day	Global	870	1070	1300	1490	1580	1580	1540	1470	1320	1110	900	810	1250

Average Annual Solar Heat and Illumination – Nearest Available Site

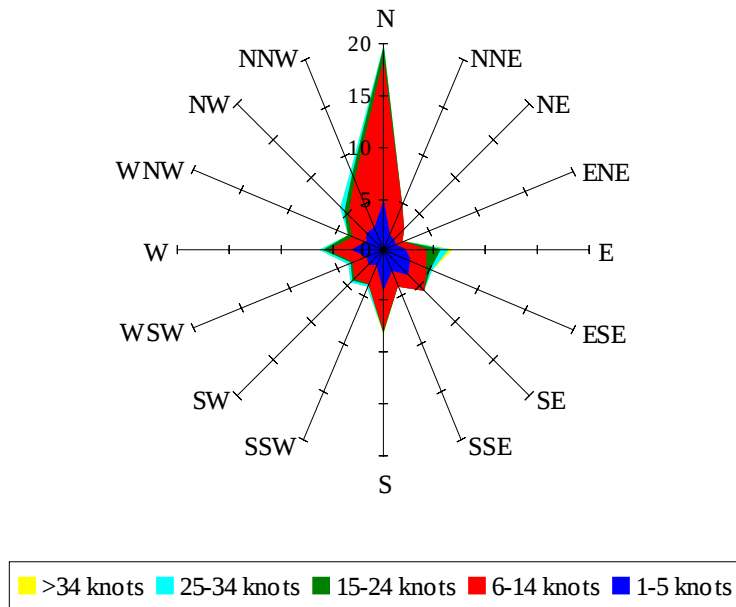
(Source: National Renewable Energy Laboratory, Golden CO, 1995)

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	670	910	1210	1570	1790	1880	1760	1600	1350	1050	740	590	1260
NORTH	Unshaded	170	210	270	320	390	440	400	330	270	220	170	150	280
	Shaded	160	200	250	300	360	400	370	310	260	210	160	140	260
EAST	Unshaded	490	610	770	940	1020	1050	970	910	810	690	520	450	770
	Shaded	450	570	700	850	920	940	870	820	740	640	490	420	700
SOUTH	Unshaded	1230	1170	970	720	510	430	460	600	860	1140	1220	1210	880
	Shaded	1220	1110	800	490	360	340	350	400	650	1040	1200	1200	760
WEST	Unshaded	480	600	720	870	920	920	800	790	750	660	510	440	700
	Shaded	450	550	660	790	820	820	710	700	690	610	480	410	640

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	45	82	93	76	34	49	88	109	104	75
	M.Cloudy	31	61	71	55	23	39	73	91	83	57
NORTH	M.Clear	10	14	15	14	9	23	15	16	16	14
	M.Cloudy	11	17	18	16	9	19	18	19	19	16
EAST	M.Clear	85	63	15	14	9	85	75	33	16	14
	M.Cloudy	44	44	18	16	9	56	60	32	19	16
SOUTH	M.Clear	41	74	83	67	31	11	24	39	35	15
	M.Cloudy	25	50	60	45	17	12	25	37	33	17
WEST	M.Clear	10	14	23	73	81	11	15	16	53	85
	M.Cloudy	11	17	23	48	36	12	18	19	45	58
M.Clear	(% hrs)	53	47	42	40	42	76	77	75	60	49

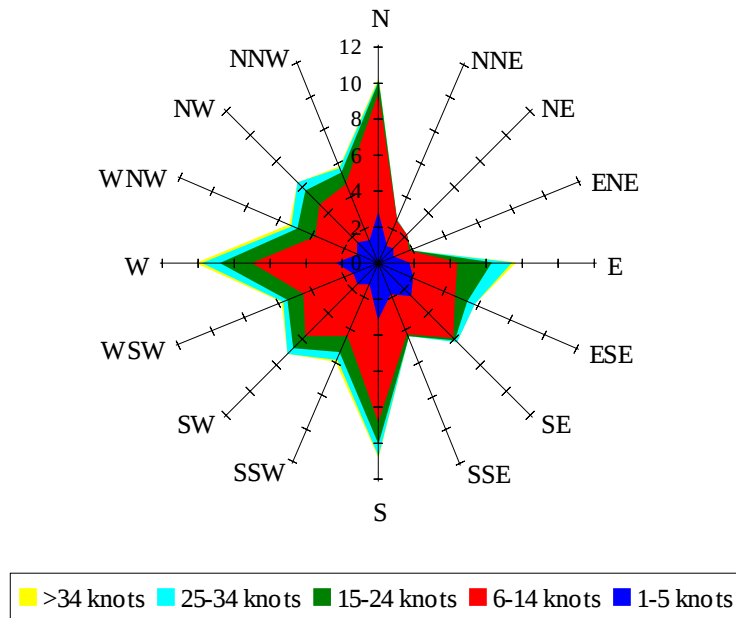
		Sept					Dec				
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	31	74	94	87	54	22	52	60	40	5
	M.Cloudy	20	54	75	67	40	15	36	43	28	4
NORTH	M.Clear	8	14	16	15	12	7	11	12	9	2
	M.Cloudy	8	16	19	18	13	6	12	13	10	2
EAST	M.Clear	75	76	31	15	12	58	47	12	9	2
	M.Cloudy	32	49	29	18	13	25	28	13	10	2
SOUTH	M.Clear	21	55	73	67	40	51	91	99	77	17
	M.Cloudy	13	38	56	49	26	22	48	57	39	7
WEST	M.Clear	8	14	16	55	83	7	11	23	60	25
	M.Cloudy	8	16	19	42	48	6	12	19	32	9
M.Clear	(% hrs)	64	65	64	59	50	54	54	49	50	51

Wind Summary - December, January, and February **Labels of Percent Frequency on North Axis**



Percent Calm = 7.33

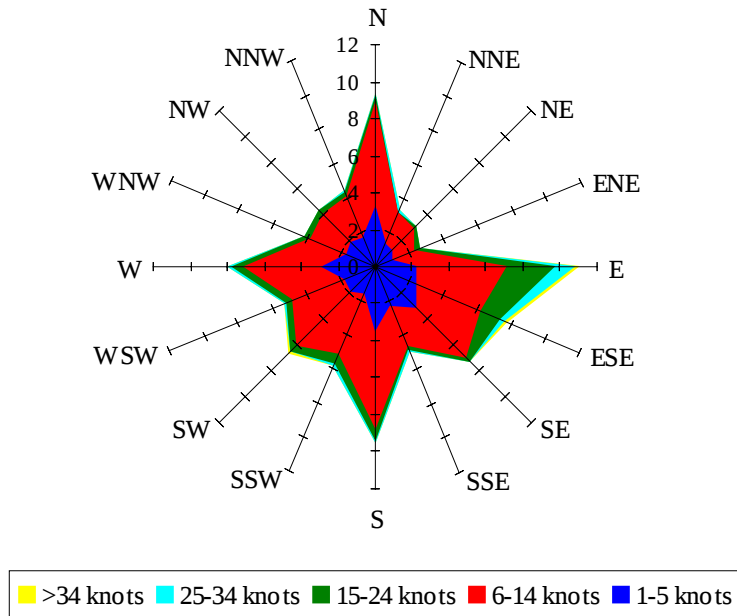
Wind Summary - March, April, and May **Labels of Percent Frequency on North Axis**



Percent Calm = 3.52

Wind Summary - June, July, and August

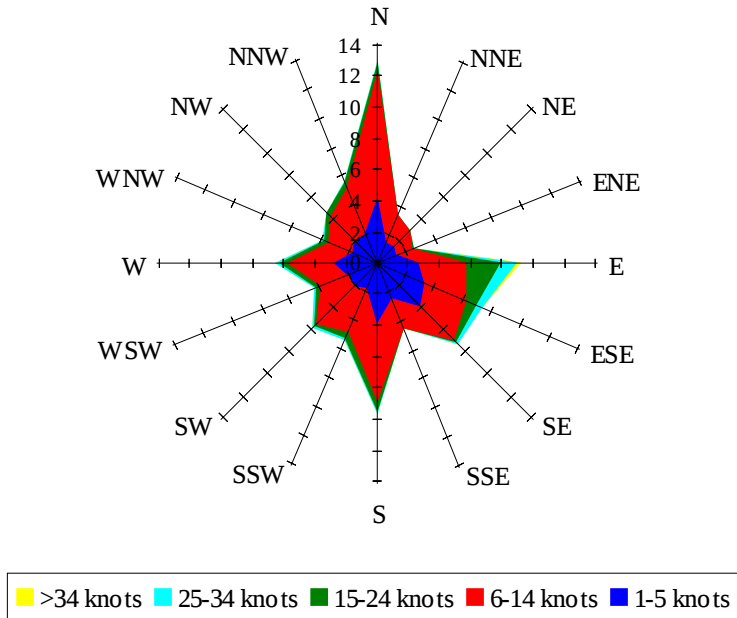
Labels of Percent Frequency on North Axis



Percent Calm = 3.44

Wind Summary - September, October, and November

Labels of Percent Frequency on North Axis



Percent Calm = 6.06