

DAVIS-MONTHAN AFB AZ

Latitude = 32.17 N

WMO No. 722745

Longitude = 110.80 W

Elevation = 2704 feet

Period of Record = 1967 to 1996

Average Pressure = 27.19 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	108	67	40	10.8	NW
0.4% Occurrence	104	66	44	10.0	NW
1.0% Occurrence	102	66	46	9.2	NW
2.0% Occurrence	99	66	50	8.3	NW
Mean Daily Range	25	-	-	-	-
97.5% Occurrence	39	34	25	4.2	SE
99.0% Occurrence	35	31	21	4.1	SE
99.6% Occurrence	33	29	20	4.1	SE
Median of Extreme Lows	27	24	14	3.1	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	75	90	120	5.2	S
0.4% Occurrence	72	88	103	5.6	S
1.0% Occurrence	72	88	103	5.6	S
2.0% Occurrence	71	87	99	5.7	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	127	76	0.77	3.2	SE
0.4% Occurrence	118	76	0.72	4.9	SE
1.0% Occurrence	109	77	0.67	4.5	SE
2.0% Occurrence	106	78	0.65	4.5	SSE
Air Conditioning/ Humid Area Criteria	# of Hours	T ≥ 93°F	T ≥ 80°F	T _{wb} ≥ 73°F	T _{wb} ≥ 67°F
		703	2461	33	1079

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
10	3.0	90	0.4 + 3.2
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 (#)
70.9	0	5	5

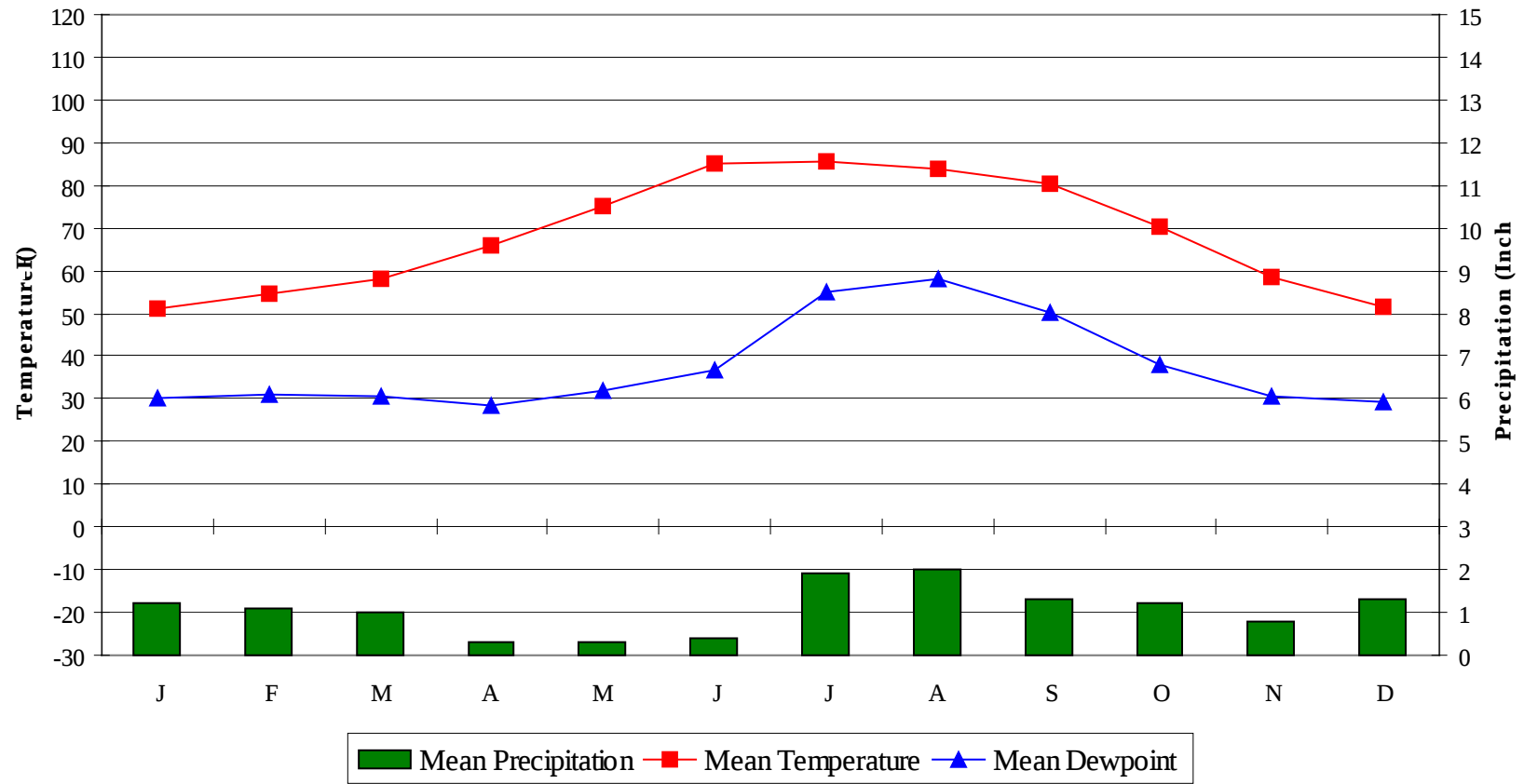
*Note: Temperatures at greater depths can be estimated by adding 1.5°F per 100 feet additional depth.

DAVIS-MONTHAN AFB

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Average Annual Climate

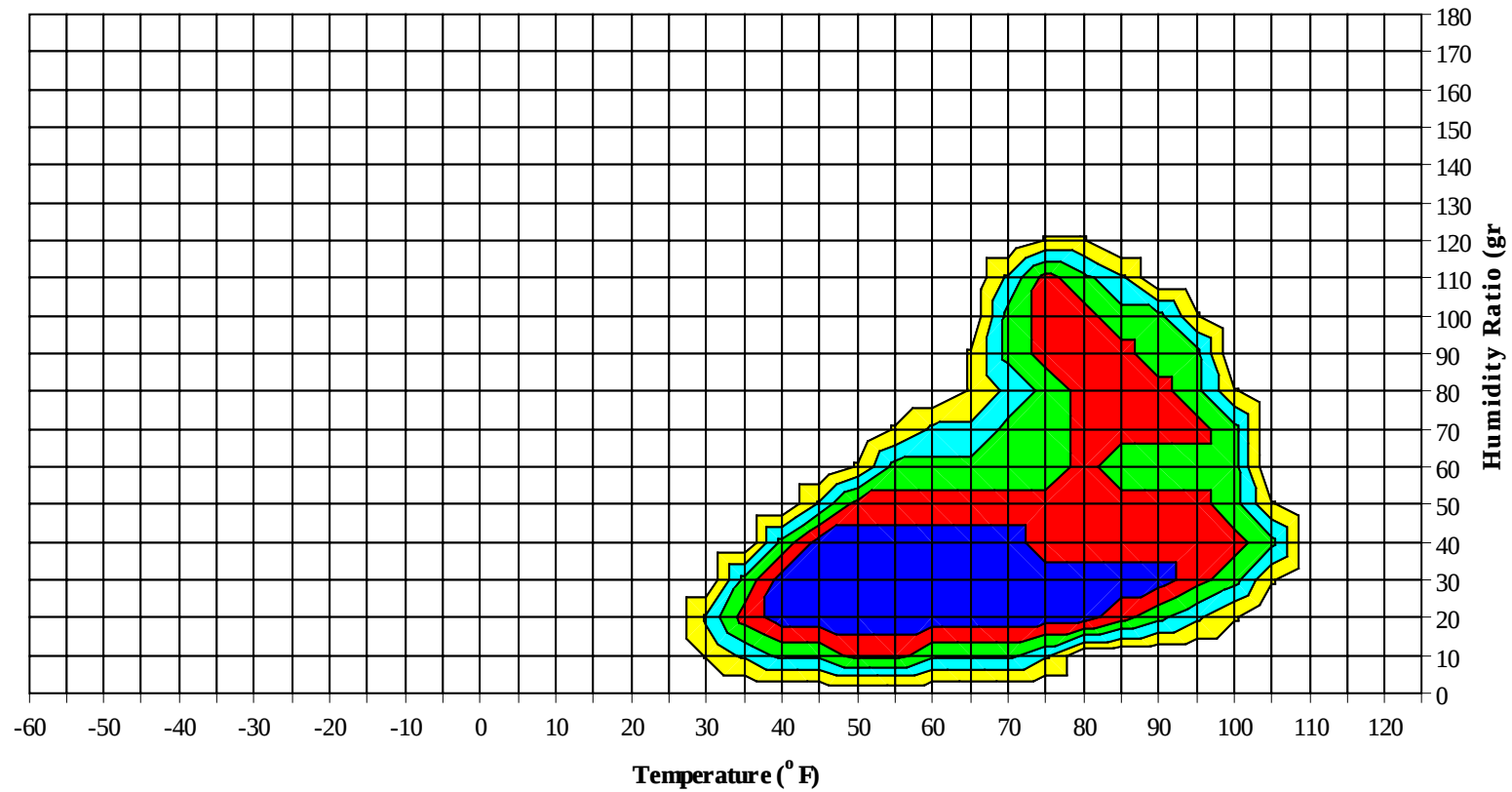


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WMO No. 722745

Long Term Psychrometric Summary

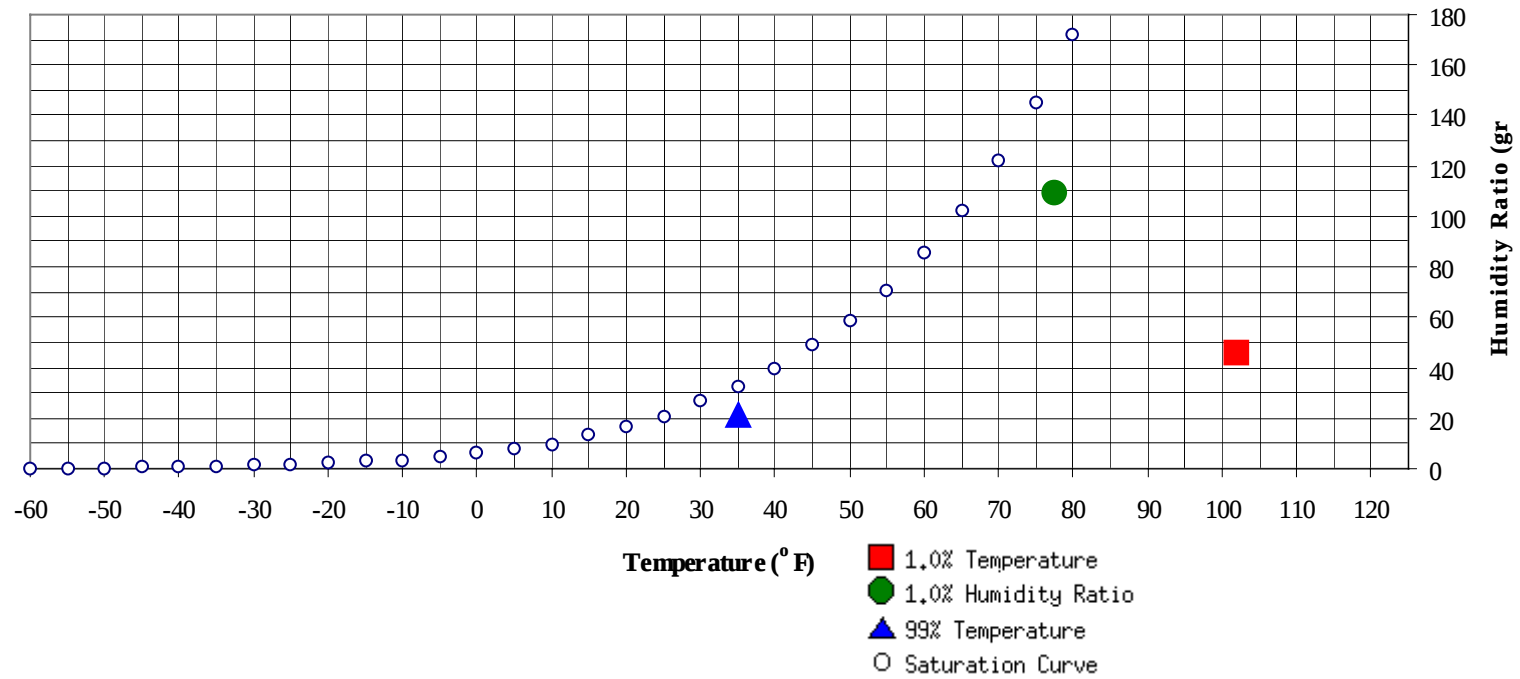


- 50% of all observations
- 80% of all observations
- 95% of all observations
- 97.5% of all observations
- 99% of all observations

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Psychrometric Summary of Peak Design Values

	(°F)	MCHR	Enthalpy	1.0% Humidity	(gr/lb)	MCDB	MCWB	MC Dewpt	Enthalpy
		(gr/lb)	(btu/lb)			(°F)	(°F)	(°F)	(btu/lb)
99% Dry Bulb	35	21.5	11.7	Ratio	109.2	77.5	70.1	66.9	35.7

	(°F)	MCHR	MCWB	Enthalpy
		(gr/lb)	(°F)	(btu/lb)
1.0% Dry Bulb	102	46.3	65.8	31.8

DAVIS-MONTHAN AFB

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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		
115 / 119															
110 / 114															
105 / 109															
100 / 104															
95 / 99												0	0	0	60.5
90 / 94												0	0	1	58.8
85 / 89												3	1	4	56.1
80 / 84		0	0	0	52.2		3	1	4	53.5		15	6	21	54.2
75 / 79		5	1	6	51.1		14	5	19	52.1		29	13	42	52.4
70 / 74		18	4	22	49.7		30	12	41	50.4	0	40	24	64	50.5
65 / 69	0	32	12	45	48.5	0	40	23	63	49.0	2	44	36	82	49.0
60 / 64	2	48	26	75	47.2	4	45	37	86	47.6	14	44	44	102	47.2
55 / 59	14	55	45	114	45.7	20	41	48	109	45.7	38	37	49	123	45.4
50 / 54	39	47	60	146	43.4	52	30	48	130	43.5	67	22	39	128	43.1
45 / 49	60	27	54	140	40.1	62	15	31	109	40.4	62	10	25	98	40.7
40 / 44	69	12	30	111	36.5	50	5	14	69	36.8	44	3	10	57	37.5
35 / 39	42	4	12	58	32.8	26	1	4	32	32.8	17	1	2	20	33.2
30 / 34	19	1	3	23	29.1	8	0	1	9	28.5	2	0	0	3	29.8
25 / 29	3	0	0	4	25.1	1		0	1	24.3					
20 / 24															

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		
115 / 119															
110 / 114												1	0	1	66.8
105 / 109							0	0	0	60.8		11	5	16	66.1
100 / 104							3	2	5	62.8		38	21	60	64.1
95 / 99		2	1	3	60.2		16	7	23	61.2	0	55	35	90	62.4
90 / 94		8	3	11	58.2		40	21	62	59.0	3	63	48	113	60.8
85 / 89		25	11	36	56.2	0	57	33	90	57.2	14	41	44	99	59.3
80 / 84	0	46	24	70	54.2	4	55	43	101	55.5	34	22	40	95	57.9
75 / 79	1	47	34	82	52.3	14	37	47	99	54.0	56	7	27	91	56.2
70 / 74	8	42	38	88	50.6	38	22	42	101	52.1	65	2	14	81	53.2
65 / 69	21	30	41	92	48.6	64	11	31	105	50.0	46	0	4	50	49.3
60 / 64	42	20	36	98	46.5	66	5	14	85	47.5	18	0	1	20	46.8
55 / 59	59	12	28	99	44.1	38	1	6	45	44.6	4	0	0	4	45.1
50 / 54	56	6	14	75	41.5	18	1	2	20	41.9	0			0	42.0
45 / 49	34	1	7	43	39.3	6	0	0	7	39.2					
40 / 44	16	1	2	18	36.2	1	0		1	34.3					
35 / 39	4	0	1	5	32.9	0			0	29.0					
30 / 34	0		0	0	30.0										
25 / 29															
20 / 24															

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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		
115 / 119		0		0	68.0										
110 / 114		0	0	1	65.7										
105 / 109		6	3	10	66.5		2	1	3	68.7		0		0	70.0
100 / 104		32	18	50	66.6		16	6	21	68.2		6	1	7	66.9
95 / 99		55	33	88	66.8		53	26	79	68.1		32	12	44	65.4
90 / 94	2	65	44	111	67.0	1	74	43	117	67.9		65	30	95	64.7
85 / 89	19	49	49	116	66.6	8	56	52	116	67.5	2	59	42	103	64.0
80 / 84	67	27	50	143	66.3	50	33	57	140	67.1	18	46	52	116	63.1
75 / 79	97	9	37	144	65.8	106	9	43	159	66.4	55	22	53	130	62.1
70 / 74	58	2	13	74	64.4	69	4	19	92	65.1	90	7	35	132	60.5
65 / 69	6	1	1	7	58.5	14	0	2	16	61.4	54	3	12	69	57.1
60 / 64	0			0	48.0	0			0	59.6	18	0	3	21	52.1
55 / 59											4	0	0	4	48.4
50 / 54											0			0	44.2
45 / 49															
40 / 44															
35 / 39															
30 / 34															
25 / 29															
20 / 24															

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DAVIS-MONTHAN AFB

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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		
115 / 119															
110 / 114															
105 / 109															
100 / 104		0		0	63.0										
95 / 99		5	1	6	61.3										
90 / 94		23	6	29	60.3		0		0	57.0					
85 / 89		38	14	52	59.0		2	0	3	55.8					
80 / 84	1	55	28	84	57.8		18	2	20	54.6		1		1	52.7
75 / 79	6	48	41	95	56.5		34	9	42	53.0		8	1	9	51.3
70 / 74	27	37	48	111	54.9	0	44	19	63	51.5		23	4	27	50.2
65 / 69	52	23	47	122	53.2	3	45	30	78	49.9	0	39	11	50	48.5
60 / 64	68	12	36	116	50.4	19	39	46	103	47.8	2	48	26	76	47.3
55 / 59	52	5	17	74	46.8	52	29	53	134	45.6	13	53	46	112	45.7
50 / 54	26	1	8	35	42.9	68	18	42	128	42.7	48	39	63	149	43.0
45 / 49	12	1	2	15	39.5	50	8	24	83	39.4	64	22	47	133	39.5
40 / 44	3	0	0	4	35.9	29	3	11	42	35.9	61	10	31	102	36.3
35 / 39	0		0	1	34.9	14	0	3	18	32.3	41	5	14	60	32.7
30 / 34						5		1	5	28.0	15	1	4	20	28.6
25 / 29						0			0	22.8	3	0	0	3	24.1
20 / 24											1			1	20.6

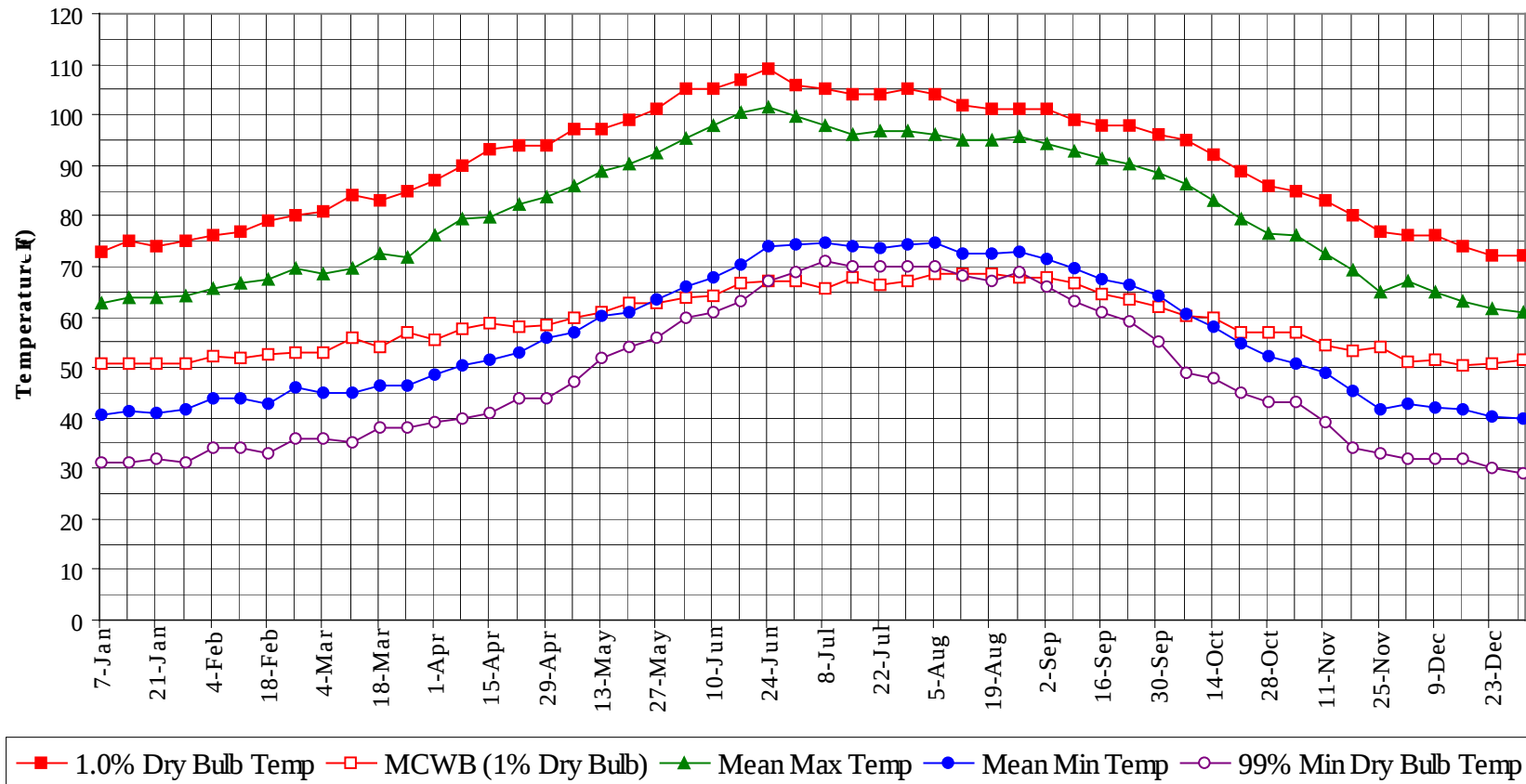
Caution: This summary reflects the typical distribution of temperature in a typical year. It does not reflect the typical moisture distribution. Because wet bulb temperatures are averaged, this summary understates the annual moisture load. For accurate moisture load data, see the long-term humidity summary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

DAVIS-MONTHAN AFB AZ WMO No. 722745
Dry-Bulb Temperature Hours For An Average Year (Sheet 5 of 5)
Period of Record = 1967 to 1996

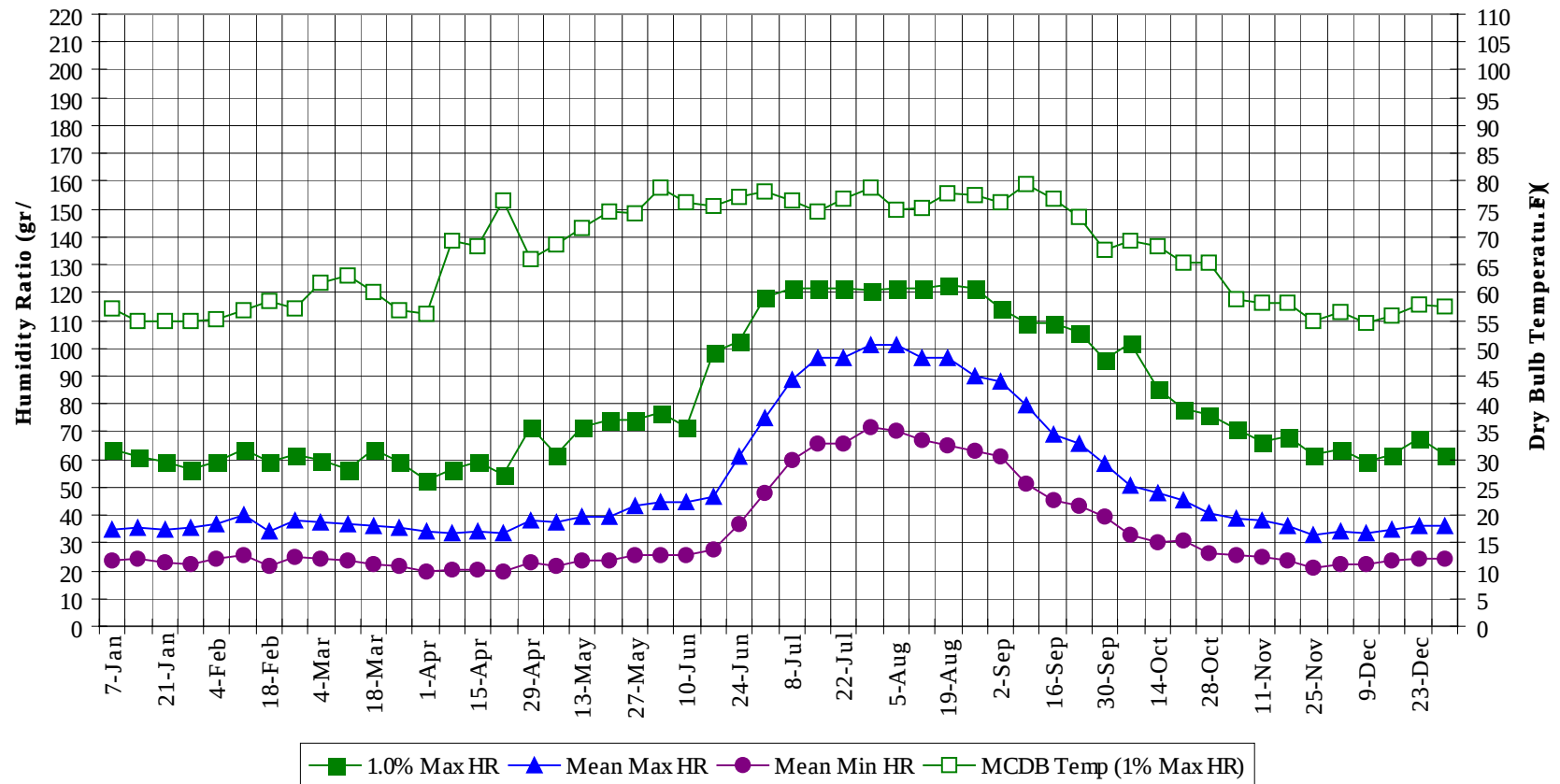
Annual Totals					
Temperature Range (°F)	Hour Group (LST)			Total Obs	M C W B (°F)
	01 To 08	09 To 16	17 To 00		
115 / 119		0		0	68.0
110 / 114		1	1	2	66.4
105 / 109		20	9	29	66.4
100 / 104		95	48	143	65.7
95 / 99	0	219	115	334	65.2
90 / 94	5	340	194	539	64.0
85 / 89	43	330	246	619	62.5
80 / 84	172	322	302	796	60.9
75 / 79	337	270	310	917	59.3
70 / 74	354	271	272	897	55.6
65 / 69	261	266	252	779	50.8
60 / 64	254	259	269	782	47.9
55 / 59	293	233	293	818	45.5
50 / 54	374	163	276	812	42.9
45 / 49	351	84	191	626	40.0
40 / 44	273	33	98	404	36.5
35 / 39	145	11	35	192	32.8
30 / 34	49	2	9	60	28.8
25 / 29	8	0	1	8	24.5
20 / 24	1			1	20.6

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.

Annual Summary of Temperatures



Long Term Humidity and Dry Bulb Temperature Summary



DAVIS-MONTHAN AFB**AZ****WMO No. 722745****Long Term Dry Bulb Temperature and Humidity Summary**

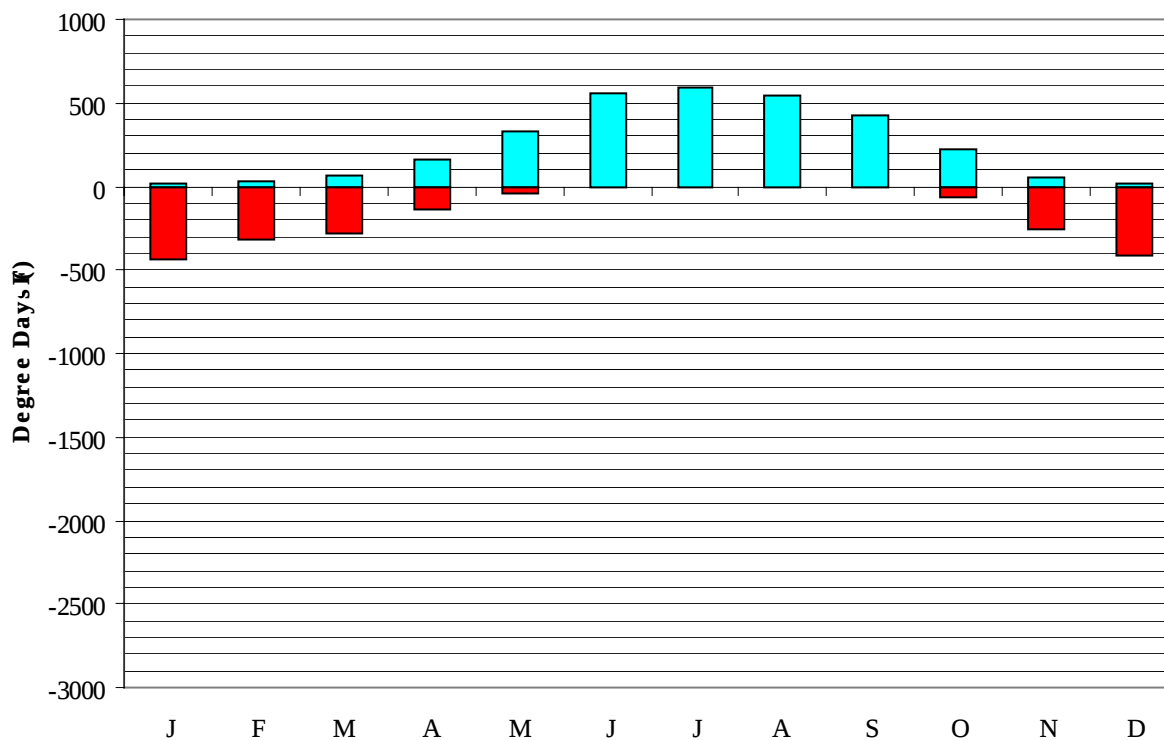
Week Ending	1.0% Temp (°F)	MCWB @ 1% Temp (°F)	Mean Max Temp (°F)	Mean Min Temp (°F)	99% Temp (°F)	1.0% HR (gr/lb)	MCDB @ 1% HR (°F)	Mean Max HR (gr/lb)	Mean Min HR (gr/lb)
7-Jan	73.0	50.9	62.5	40.5	31.0	63.7	57.3	34.8	23.8
14-Jan	75.0	50.8	63.7	41.4	31.0	60.9	54.9	35.4	24.2
21-Jan	74.0	50.8	63.7	41.1	32.0	58.8	54.9	34.8	22.7
28-Jan	75.0	50.9	64.1	41.5	31.0	56.7	55.0	35.3	22.6
4-Feb	76.0	52.0	65.6	43.9	34.0	58.8	55.1	36.6	24.1
11-Feb	77.0	52.0	66.7	43.8	34.0	63.7	56.8	39.8	25.5
18-Feb	79.0	52.5	67.5	42.7	33.0	58.8	58.5	34.3	22.0
25-Feb	80.0	52.8	69.5	46.1	36.0	61.6	57.0	37.9	24.8
4-Mar	81.0	52.9	68.6	44.9	36.0	59.5	61.8	37.2	24.1
11-Mar	84.0	55.8	69.5	44.9	35.0	56.7	63.0	36.6	23.4
18-Mar	83.0	54.1	72.4	46.5	38.0	63.7	60.1	36.3	22.1
25-Mar	85.0	57.1	71.9	46.4	38.0	58.8	56.9	35.5	21.9
1-Apr	87.0	55.6	76.2	48.5	39.0	52.5	56.3	33.9	19.6
8-Apr	90.0	57.5	79.4	50.3	40.0	56.7	69.3	33.2	20.1
15-Apr	93.0	58.7	79.8	51.5	41.0	58.8	68.4	33.9	20.2
22-Apr	94.0	57.9	82.1	53.1	44.0	54.6	76.5	33.5	19.9
29-Apr	94.0	58.3	83.6	55.9	44.0	71.4	66.1	38.0	23.0
6-May	97.0	59.7	85.8	56.8	47.0	61.6	68.6	37.2	21.9
13-May	97.0	61.0	88.8	60.2	52.0	71.4	71.7	39.1	23.6
20-May	99.0	62.9	90.2	61.0	54.0	74.2	74.7	39.6	24.0
27-May	101.0	62.6	92.6	63.4	56.0	74.2	74.3	43.1	25.6
3-Jun	105.0	64.0	95.3	66.1	60.0	77.0	78.9	44.5	25.7
10-Jun	105.0	64.3	97.9	67.8	61.0	71.4	76.1	44.4	25.5
17-Jun	107.0	66.8	100.5	70.3	63.0	98.7	75.5	46.9	27.5
24-Jun	109.0	67.1	101.4	73.8	67.0	102.2	77.0	61.4	37.0
1-Jul	106.0	67.0	99.9	74.2	69.0	118.3	78.2	75.1	47.7
8-Jul	105.0	65.6	98.0	74.6	71.0	121.8	76.4	88.6	59.5
15-Jul	104.0	67.8	96.2	74.1	70.0	121.8	74.5	96.3	65.5
22-Jul	104.0	66.3	96.8	73.6	70.0	121.8	76.8	96.5	65.6
29-Jul	105.0	67.0	96.7	74.4	70.0	121.1	78.8	101.1	71.7
5-Aug	104.0	68.4	96.2	74.5	70.0	121.8	74.8	101.2	70.0
12-Aug	102.0	68.6	94.9	72.7	68.0	121.8	75.2	96.7	66.7
19-Aug	101.0	68.5	95.1	72.4	67.0	122.5	77.9	96.5	65.3
26-Aug	101.0	67.7	95.6	72.8	69.0	121.8	77.6	90.1	63.0
2-Sep	101.0	67.9	94.1	71.3	66.0	114.1	76.2	88.3	61.4
9-Sep	99.0	66.9	92.7	69.5	63.0	109.2	79.5	79.3	51.5
16-Sep	98.0	64.5	91.5	67.3	61.0	109.2	76.8	68.9	45.6
23-Sep	98.0	63.3	90.4	66.5	59.0	105.7	73.6	65.4	43.4
30-Sep	96.0	62.0	88.5	64.1	55.0	95.9	67.8	58.5	39.6
7-Oct	95.0	60.4	86.1	60.4	49.0	101.5	69.4	50.7	32.9
14-Oct	92.0	59.7	83.0	58.1	48.0	85.4	68.3	48.2	30.2
21-Oct	89.0	57.0	79.5	54.8	45.0	78.4	65.3	45.5	30.8
28-Oct	86.0	57.1	76.4	52.0	43.0	76.3	65.2	40.8	26.5
4-Nov	85.0	56.9	76.0	50.7	43.0	70.7	58.7	38.8	25.8
11-Nov	83.0	54.3	72.7	49.0	39.0	66.5	58.0	37.9	25.2
18-Nov	80.0	53.3	69.2	45.2	34.0	68.6	58.1	35.8	23.3
25-Nov	77.0	53.9	64.8	41.7	33.0	61.6	54.9	32.6	21.1
2-Dec	76.0	51.0	67.0	42.7	32.0	63.7	56.6	34.3	22.4
9-Dec	76.0	51.4	64.9	41.9	32.0	58.8	54.5	33.5	22.3
16-Dec	74.0	50.5	63.2	41.7	32.0	61.6	55.7	34.6	23.4
23-Dec	72.0	50.6	61.5	40.2	30.0	67.9	57.7	36.0	24.3
31-Dec	72.0	51.4	61.0	39.9	29.0	61.6	57.3	36.0	24.2

DAVIS-MONTHAN AFB

AZ

WMO No. 722745

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



■ Mean Cooling Degree Days ■ Mean Heating Degree Days

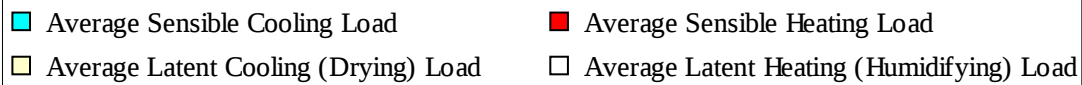
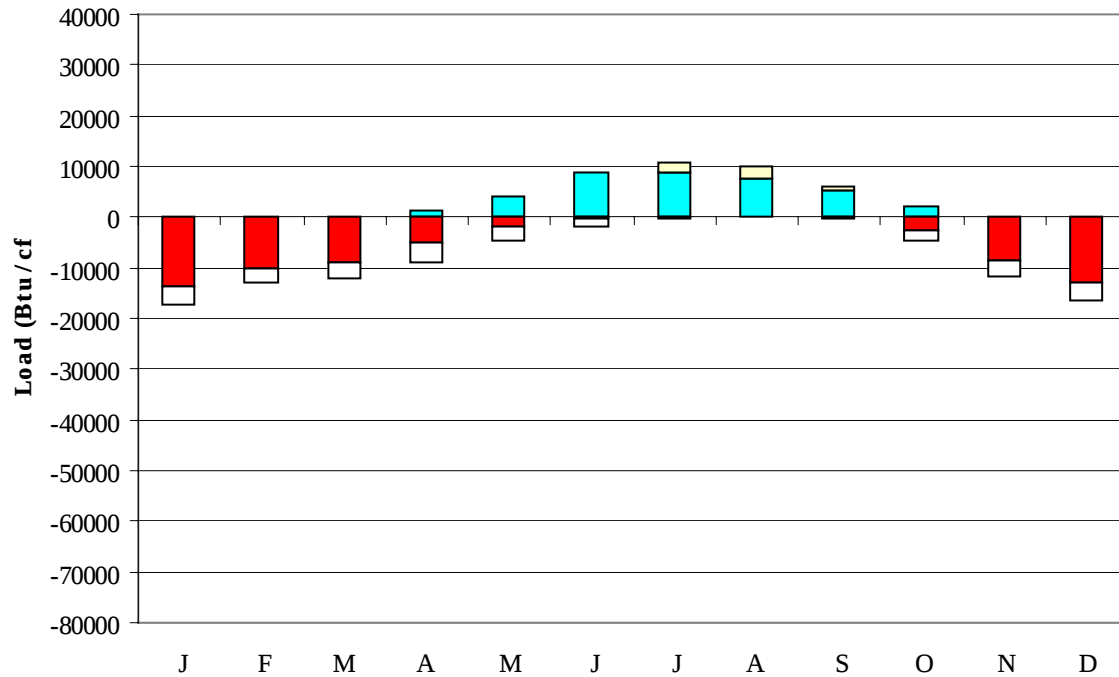
	Mean Cooling Degree Days (°F)	Mean Heating Degree Days (°F)
JAN	12	442
FEB	26	319
MAR	60	276
APR	160	140
MAY	325	41
JUN	561	3
JUL	597	0
AUG	549	0
SEP	430	3
OCT	220	71
NOV	57	256
DEC	15	414
ANN	3011	1965

DAVIS-MONTHAN AFB

AZ

WMO No. 722745

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	12	-13686	0	-3475
FEB	56	-10139	0	-2889
MAR	288	-8988	0	-3160
APR	1404	-4836	0	-4002
MAY	3923	-1710	0	-3032
JUN	8714	-215	82	-1813
JUL	8797	-2	1962	-202
AUG	7595	-9	2431	-18
SEP	5404	-232	737	-205
OCT	2150	-2793	77	-1686
NOV	259	-8398	1	-3331
DEC	16	-12863	0	-3620
ANN	38618	-63871	5290	-27433

Average Annual Solar Radiation – Nearest Available Site

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

City: TUCSON
 State: AZ
 WBAN No: 23160
 Lat(N): 32.12
 Long(W): 110.93
 Elev(ft): 2556

Stn Type: Primary
 SHADING GEOMETRY IN DIMENSIONLESS UNITS

Window: 1
 Overhang: 0.962
 Vert Gap: 0.658

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	1090	1400	1780	2240	2500	2580	2240	2120	1900	1580	1200	990	1800
	Std Dev	78	92	113	87	74	93	77	106	83	91	73	69	35
	Minimum	880	1230	1580	2060	2300	2350	2070	1840	1760	1380	990	850	1730
	Maximum	1230	1560	2000	2390	2600	2720	2400	2270	2090	1720	1320	1130	1870
	Diffuse	300	370	470	500	520	540	700	610	480	360	300	280	450
Clear Day	Global	1270	1610	2050	2460	2680	2740	2630	2430	2110	1700	1330	1160	2020
NORTH	Global	250	300	370	460	610	710	610	490	390	320	260	230	420
	Diffuse	250	300	370	430	470	500	500	450	390	320	260	230	370
Clear Day	Global	220	270	340	430	610	730	660	480	360	290	230	210	400
EAST	Global	730	910	1110	1330	1420	1430	1230	1230	1170	1010	800	680	1090
	Diffuse	300	370	460	530	560	580	600	550	480	400	320	280	450
Clear Day	Global	880	1060	1260	1430	1490	1490	1440	1390	1270	1100	900	820	1210
SOUTH	Global	1650	1630	1400	1100	790	650	690	900	1250	1610	1690	1610	1250
	Diffuse	400	450	500	500	490	480	510	510	490	460	410	380	470
Clear Day	Global	2110	2020	1700	1180	800	650	700	980	1440	1870	2050	2090	1460
WEST	Global	720	880	1050	1280	1360	1350	1100	1080	1060	980	790	660	1030
	Diffuse	310	380	460	540	570	580	600	560	490	400	320	280	460
Clear Day	Global	880	1060	1260	1430	1490	1490	1440	1390	1270	1100	900	820	1210

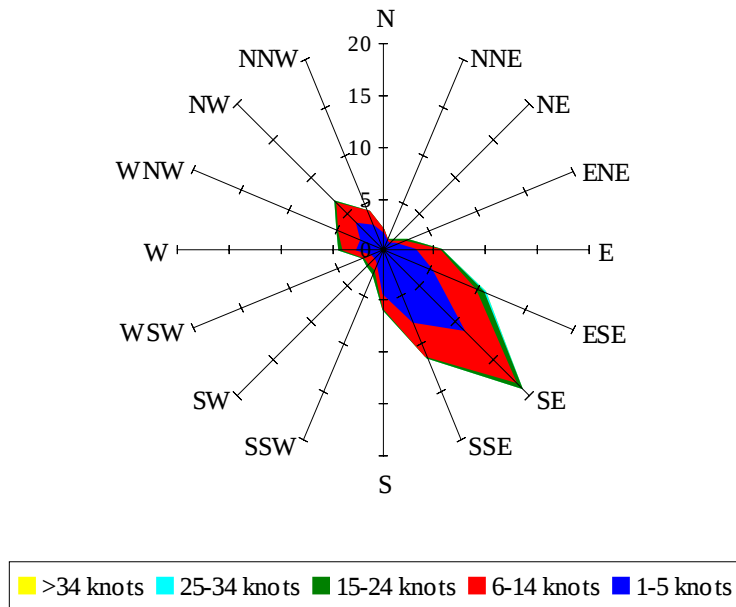
Average Annual Solar Heat and Illumination – Nearest Available Site

(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	730	980	1280	1640	1850	1900	1650	1560	1380	1120	820	660	1300
NORTH	Unshaded	170	210	260	300	370	430	390	320	270	220	180	160	270
	Shaded	150	190	230	280	330	370	340	290	240	200	160	140	240
EAST	Unshaded	510	640	790	950	1020	1020	880	880	840	720	560	470	770
	Shaded	440	550	660	780	820	820	690	710	690	600	480	410	640
SOUTH	Unshaded	1230	1170	930	650	430	370	400	520	790	1120	1250	1210	840
	Shaded	1180	940	460	310	310	310	320	310	330	770	1150	1180	630
WEST	Unshaded	500	620	750	920	980	970	780	770	760	690	550	450	730
	Shaded	430	530	630	750	780	770	620	620	620	590	470	390	600

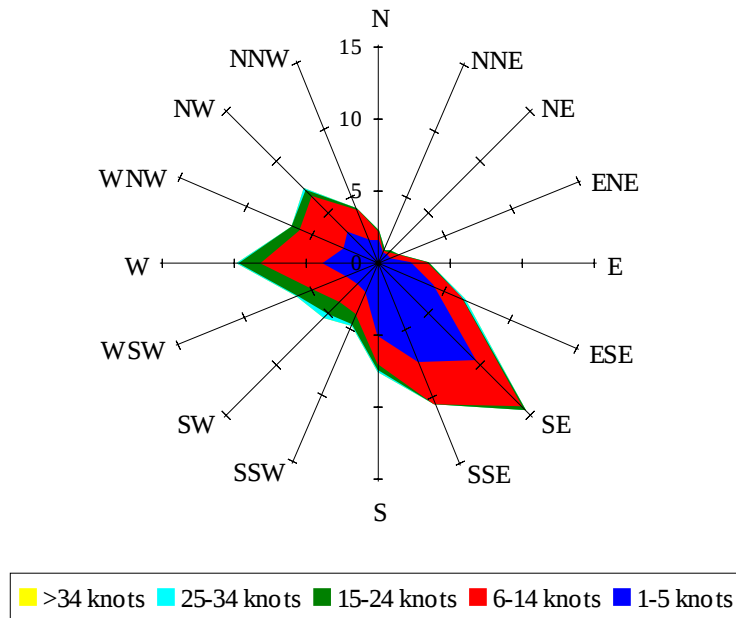
AVERAGE INCIDENT ILLUMINANCE (klux-hr) FOR MOSTLY CLEAR AND MOSTLY CLOUDY CONDITIONS, Percentage Uncertainty = 9		March					June				
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	40	80	95	81	42	63	97	108	94	59
	M.Cloudy	28	60	72	60	28	53	85	94	77	43
NORTH	M.Clear	9	14	15	14	10	20	16	16	16	21
	M.Cloudy	10	16	18	16	10	19	18	17	18	18
EAST	M.Clear	84	68	17	14	10	87	62	16	16	12
	M.Cloudy	45	48	19	16	10	65	56	17	18	13
SOUTH	M.Clear	34	65	77	66	35	13	26	33	25	12
	M.Cloudy	21	47	57	47	21	14	27	32	24	13
WEST	M.Clear	9	14	15	66	84	13	16	19	66	86
	M.Cloudy	10	16	18	46	43	14	18	20	55	55
M.Clear	(% hrs)	60	58	53	51	50	81	82	78	73	70
		Sept					Dec				
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	48	85	95	78	38	19	53	64	48	12
	M.Cloudy	35	65	75	59	26	13	36	46	34	8
NORTH	M.Clear	11	15	16	15	10	6	11	12	10	5
	M.Cloudy	12	17	18	17	10	5	12	14	11	4
EAST	M.Clear	84	62	16	15	10	55	52	12	10	5
	M.Cloudy	48	47	18	17	10	24	32	14	11	4
SOUTH	M.Clear	32	59	68	55	25	44	86	97	80	32
	M.Cloudy	22	45	53	40	15	19	48	59	44	12
WEST	M.Clear	11	15	21	68	77	6	11	17	57	45
	M.Cloudy	12	17	22	48	37	5	12	16	33	15
M.Clear	(% hrs)	77	76	69	63	58	54	57	52	52	53

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



Percent Calm = 14.54

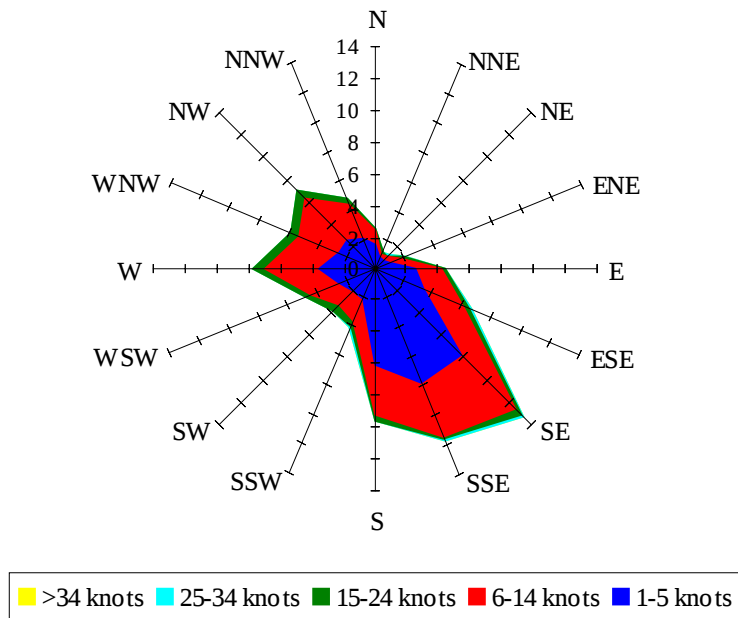
Wind Summary - March, April, and May **Labels of Percent Frequency on North Axis**



Percent Calm = 9.29

Wind Summary - June, July, and August

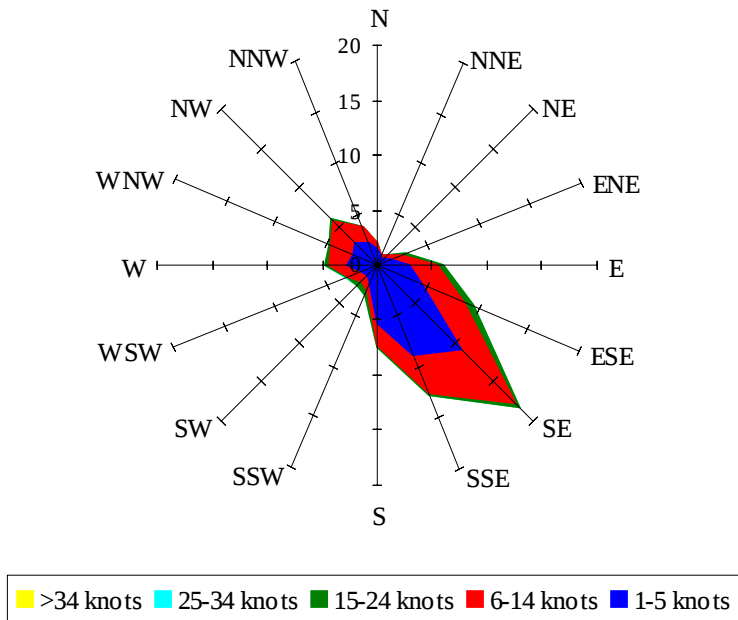
Labels of Percent Frequency on North Axis



Percent Calm = 9.99

Wind Summary - September, October, and November

Labels of Percent Frequency on North Axis



Percent Calm = 11.66