

MOFFETT FIELD NAS CA

Latitude = 37.42 N

WMO No. 745090

Longitude = 122.00 W

Elevation = 39 feet

Period of Record = 1973 to 1996

Average Pressure = 29.95 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	97	68	55	8.9	NNW
0.4% Occurrence	88	66	60	8.7	NNW
1.0% Occurrence	84	65	61	8.9	NNW
2.0% Occurrence	80	64	64	9.2	NNW
Mean Daily Range	17	-	-	-	-
97.5% Occurrence	42	39	30	1.7	W
99.0% Occurrence	39	36	27	1.3	W
99.6% Occurrence	37	34	25	1.1	SE
Median of Extreme Lows	33	30	20	2.2	SSE
	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	71	86	87	8.5	NNW
0.4% Occurrence	68	81	79	9.3	NNW
1.0% Occurrence	67	80	76	9.1	NNW
2.0% Occurrence	65	77	72	8.8	NNW
	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	99	79	0.67	7.5	NNW
0.4% Occurrence	86	74	0.58	7.3	NNW
1.0% Occurrence	81	72	0.54	7.5	NNW
2.0% Occurrence	78	71	0.52	6.9	NNW
Air Conditioning/ Humid Area Criteria	# of Hours	T ≥ 93°F	T ≥ 80°F	T _{wb} ≥ 73°F	T _{wb} ≥ 67°F
		13	199	3	100

Other Site Data

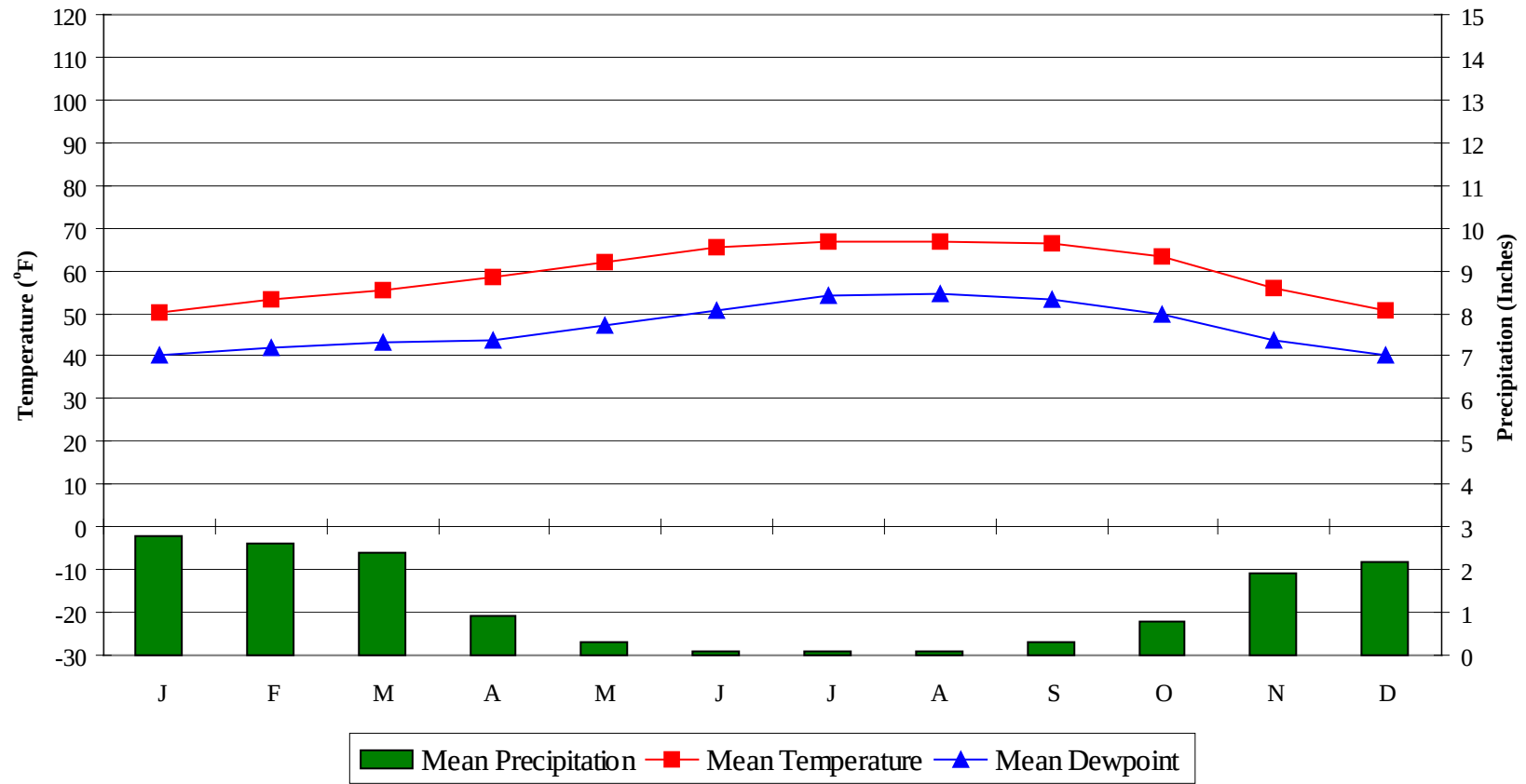
Weather Region	Rain Rate 100 Year Recurrence (in./hr)	Basic Wind Speed 3 sec gust @ 33 ft 50 Year Recurrence (mph)	Ventilation Cooling Load Index (Ton-hr/cfm/yr) Base 75°F-RH 60% Latent + Sensible
8	1.5	85	0.0 + 0.2
Ground Water Temperature (°F) 50 Foot Depth *	Frost Depth 50 Year Recurrence (in.)	Ground Snow Load 50 Year Recurrence (lb/ft ²)	Average Annual Freeze-Thaw Cycles (#)
62.1	0	0	1

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

MOFFETT FIELD NAS CA

WMO No. 745090

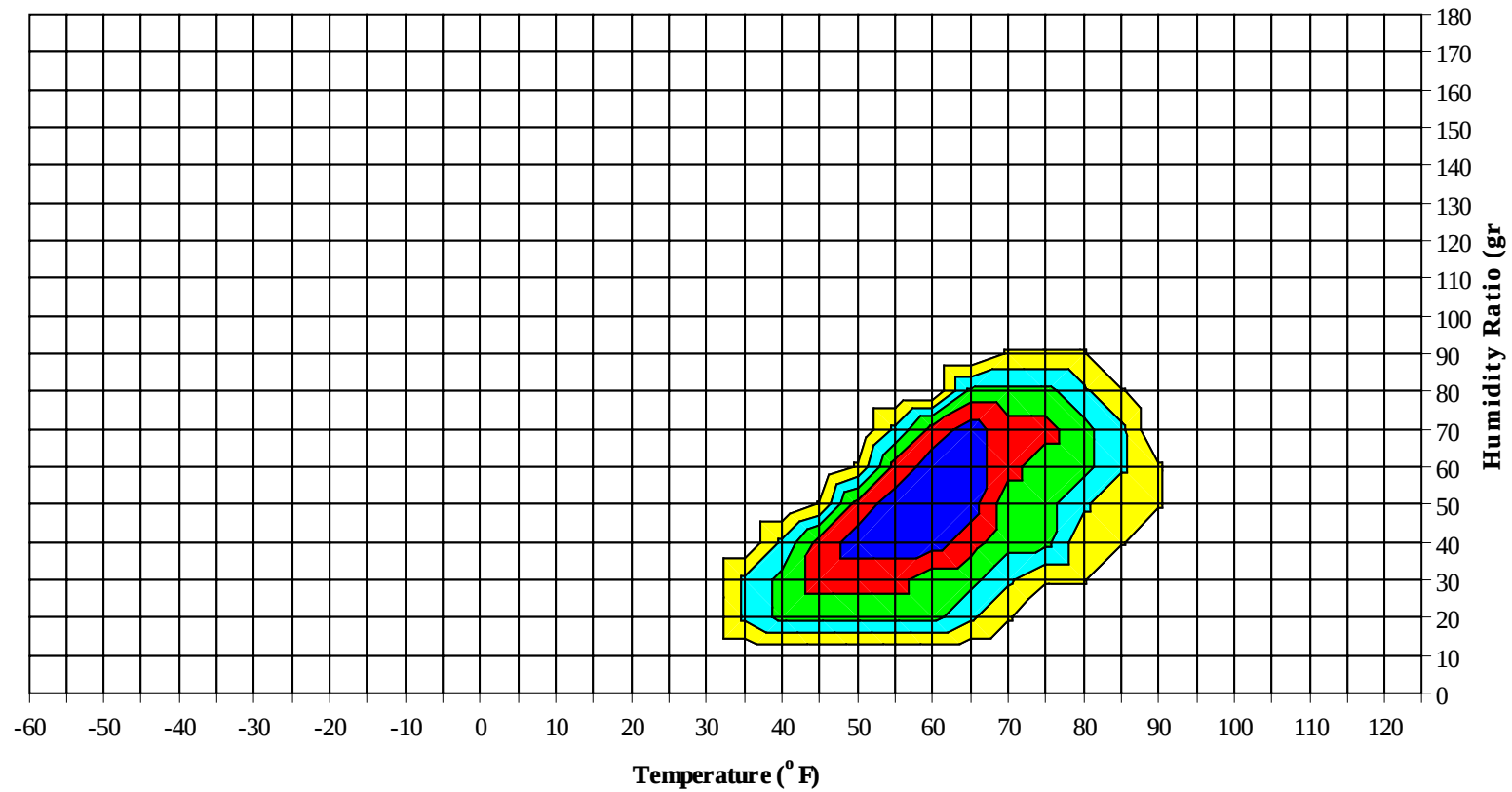
Average Annual Climate



MOFFETT FIELD NAS CA

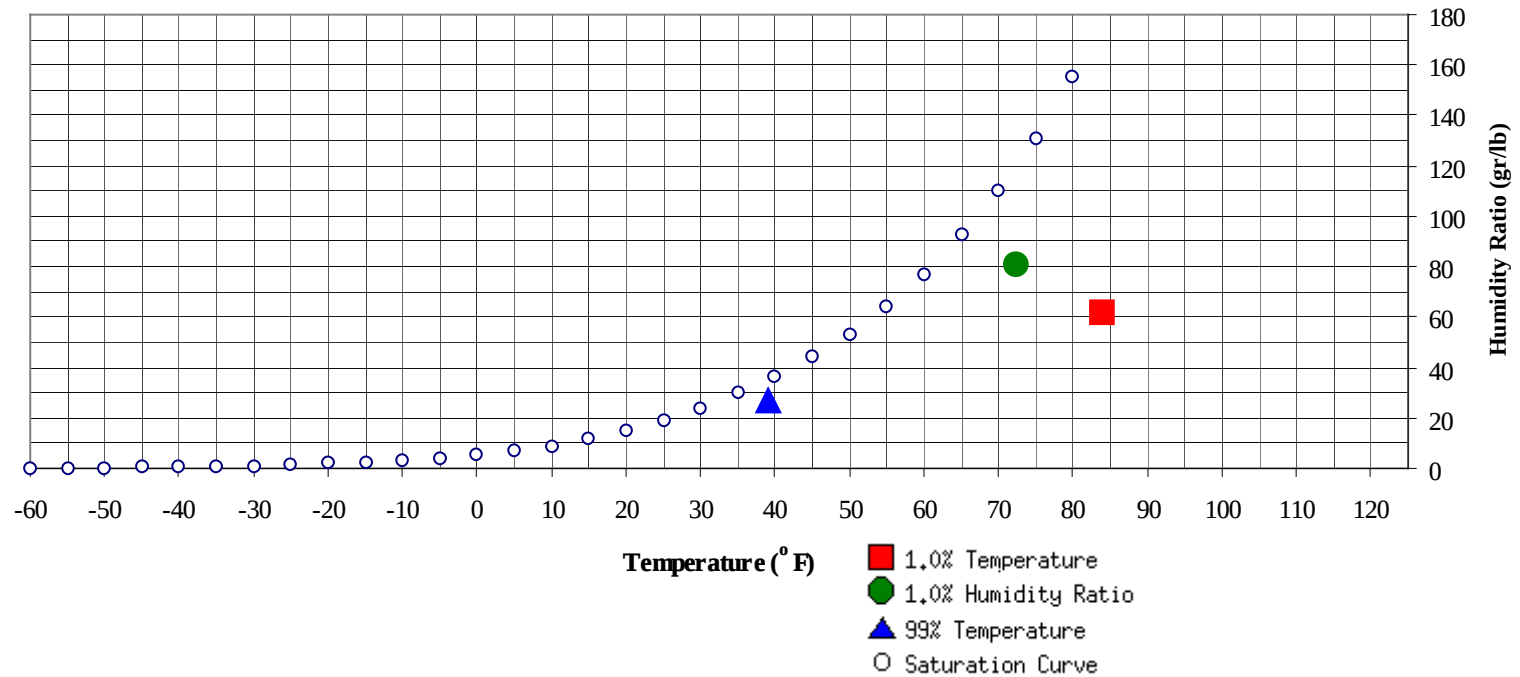
WMO No. 745090

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

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)
	39	26.7	13.5		80.5	72.5	65	61	30.0

1.0% Dry Bulb	(°F)	MCHR (gr/lb)	MCWB (°F)	Enthalpy (btu/lb)
	84	62.1	65	29.9

MOFFETT FIELD NAS CA

WMO No. 745090

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							0	0	0	57.0		0		0	62.0
75 / 79							2	0	2	59.0		3	1	4	59.6
70 / 74		1		1	54.9		6	1	7	57.2		13	3	16	56.9
65 / 69	0	12	2	14	54.5		21	6	27	55.1	0	40	11	51	55.4
60 / 64	4	35	13	52	53.0	3	56	27	87	53.4	6	79	41	126	53.2
55 / 59	19	79	47	145	50.2	28	76	71	175	50.9	46	72	89	207	50.7
50 / 54	39	71	90	199	47.0	68	48	78	194	47.3	92	33	77	202	47.2
45 / 49	74	38	69	182	43.3	65	14	34	113	43.3	74	7	24	105	43.6
40 / 44	75	12	25	112	39.2	42	3	7	53	38.9	23	1	5	30	39.9
35 / 39	32	1	4	36	35.2	12	1	1	14	34.6	3	0	0	3	36.4
30 / 34	3			3	30.9	1		0	1	28.1	0			0	33.5
25 / 29						0		0	0	25.0					
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.

MOFFETT FIELD NAS CA

WMO No. 745090

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	0	64.8		1	0	1	66.8
95 / 99		0		0	65.0		0	0	0	65.9		2	0	2	66.3
90 / 94		1	0	1	66.3		2	0	2	64.2		5	1	5	66.2
85 / 89		2	0	2	64.6		6	1	6	63.4	0	8	2	10	65.9
80 / 84		6	1	7	61.3	0	11	2	13	62.5	1	15	4	20	64.7
75 / 79	0	13	3	17	58.9	0	21	5	27	61.6	2	33	12	47	62.9
70 / 74	0	29	9	38	57.3	3	50	16	69	59.4	7	78	31	116	60.4
65 / 69	3	64	21	88	55.4	11	85	40	136	56.7	26	71	56	152	58.2
60 / 64	16	76	53	145	53.0	42	57	69	168	54.3	79	27	83	189	55.5
55 / 59	64	39	83	186	50.4	95	17	82	194	51.3	94	3	46	144	52.3
50 / 54	93	10	59	162	47.1	75	1	31	107	47.8	27	0	6	33	49.0
45 / 49	50	1	11	62	43.7	18		2	20	44.5	2		0	2	44.9
40 / 44	10	0	1	11	40.4	1			1	42.5					
35 / 39	1			1	38.2										
30 / 34															
25 / 29															
20 / 24															

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MOFFETT FIELD NAS CA

WMO No. 745090

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	72.6		0		0	70.0		0		0	68.5
95 / 99		1	0	1	71.5		1		1	69.1		1	0	1	67.8
90 / 94		3	0	3	68.6		2	0	2	68.2		3	0	3	66.3
85 / 89		7	1	7	67.4		6	0	7	66.7		9	1	10	65.2
80 / 84	0	19	4	23	66.1		18	3	21	65.7		21	4	25	64.6
75 / 79	1	54	15	71	64.0	1	51	12	64	63.9	1	44	12	57	63.4
70 / 74	7	98	45	149	61.8	5	102	43	150	61.9	5	80	35	120	61.5
65 / 69	37	56	76	169	59.5	37	61	83	181	59.7	28	61	76	164	59.5
60 / 64	124	11	91	226	57.0	143	9	98	250	57.1	114	19	91	224	56.9
55 / 59	68	1	16	85	53.8	58	0	8	67	54.2	80	2	21	103	53.8
50 / 54	8	0	1	8	51.3	2	0	0	2	51.3	12	0	1	13	50.3
45 / 49	0			0	48.0										
40 / 44															
35 / 39															
30 / 34															
25 / 29															
20 / 24															

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MOFFETT FIELD NAS CA

WMO No. 745090

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		0		0	66.3										
90 / 94		2	0	3	65.6										
85 / 89		6	1	6	63.5										
80 / 84		13	2	15	61.9		0		0	57.8					
75 / 79	0	30	7	37	61.4		6	0	6	57.7					
70 / 74	1	55	17	74	60.2		18	2	20	57.2		1		1	53.6
65 / 69	13	78	56	147	58.1	1	42	11	53	55.8	0	9	0	9	54.2
60 / 64	60	50	92	203	55.9	10	75	45	130	54.1	4	43	13	61	53.3
55 / 59	107	13	61	181	52.7	44	68	86	198	51.2	22	84	49	154	50.7
50 / 54	52	1	12	65	48.5	83	26	70	179	47.5	47	69	86	202	47.2
45 / 49	12		1	13	44.1	66	5	24	95	43.5	62	32	69	164	43.0
40 / 44	1			1	41.6	28	1	4	32	39.3	67	10	26	104	38.8
35 / 39						6	0	0	6	35.1	36	2	4	43	34.7
30 / 34						0			0	32.3	4	0	1	5	29.0
25 / 29											1		0	1	23.7
20 / 24											0			0	20.0

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MOFFETT FIELD NAS CA

WMO No. 745090

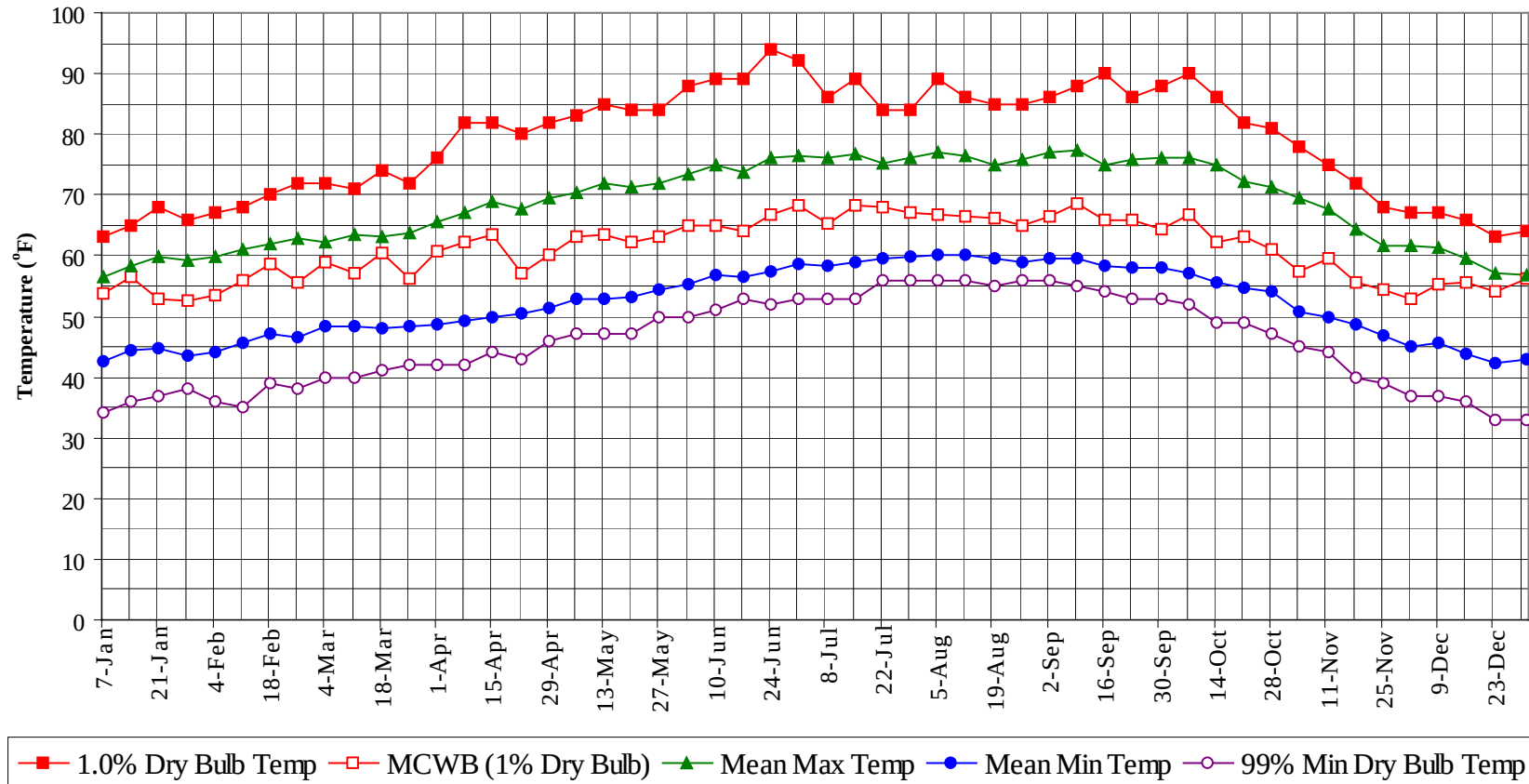
Dry-Bulb Temperature Hours For An Average Year (Sheet 5 of 5)

Period of Record = 1973 to 1996

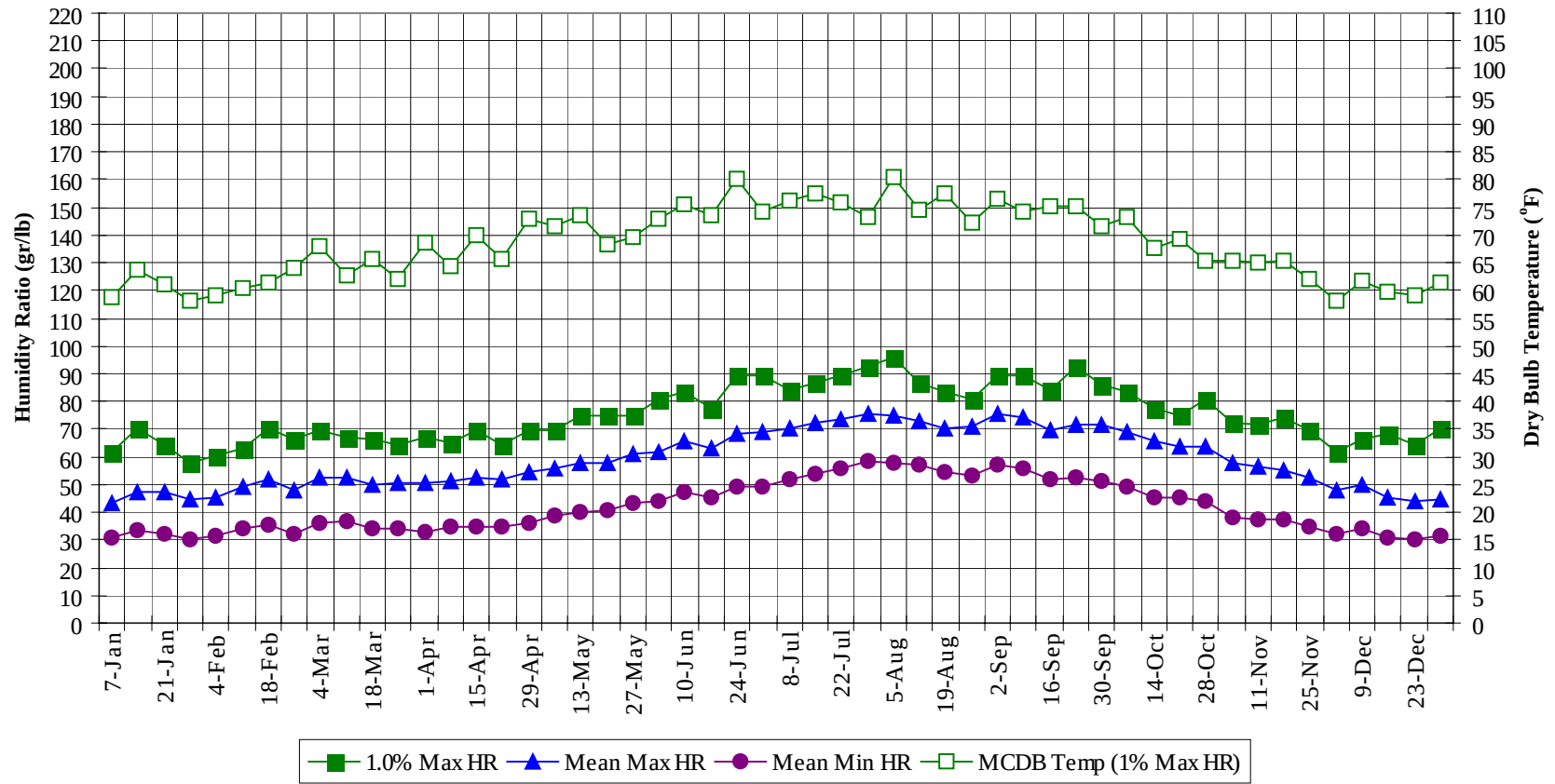
Annual Totals					
Temperature Range (°F)	Hour Group (LST)			Total Obs	M C W B (°F)
	01 To 08	09 To 16	17 To 00		
100 / 104		1	0	1	67.7
95 / 99		5	1	6	67.7
90 / 94		18	2	20	66.5
85 / 89	0	42	6	49	65.4
80 / 84	1	103	21	125	64.3
75 / 79	6	257	67	330	62.8
70 / 74	29	530	201	760	60.7
65 / 69	155	597	437	1190	58.0
60 / 64	605	538	717	1860	55.3
55 / 59	722	455	660	1837	51.5
50 / 54	598	258	512	1368	47.4
45 / 49	425	96	235	756	43.4
40 / 44	249	27	69	344	39.2
35 / 39	89	4	9	103	35.0
30 / 34	9	0	1	11	29.7
25 / 29	1		0	1	23.8
20 / 24	0			0	20.0

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Annual Summary of Temperatures



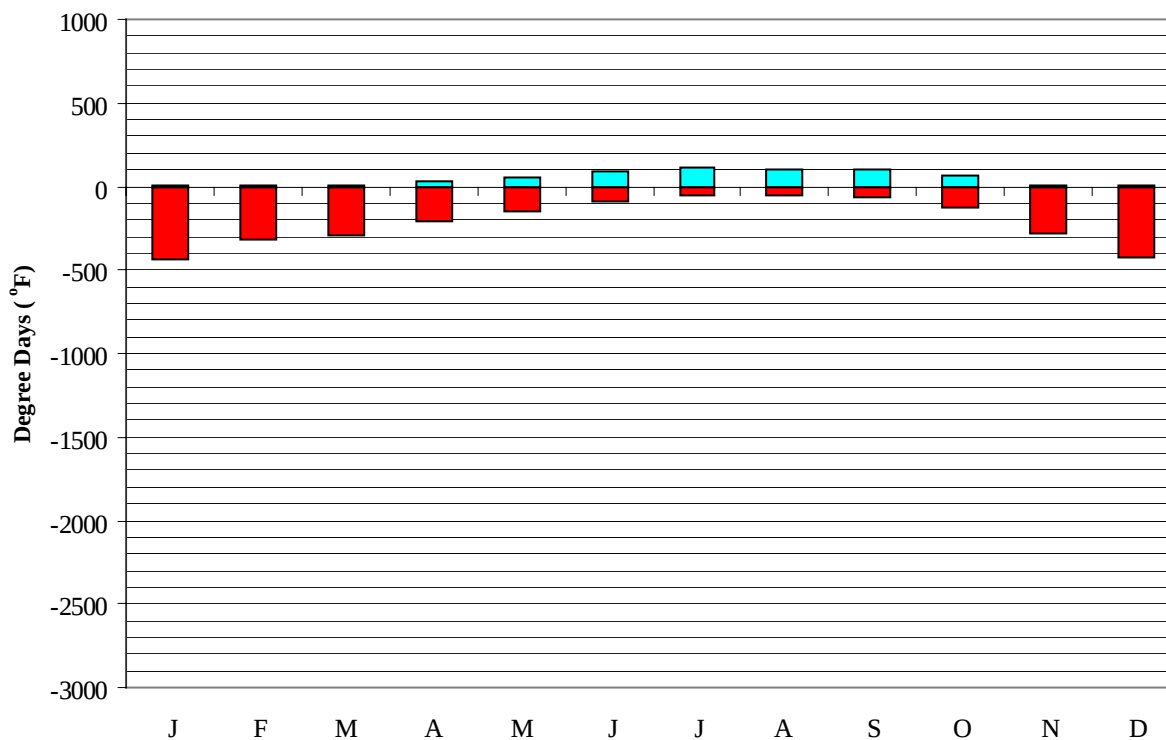
Long Term Humidity and Dry Bulb Temperature Summary



MOFFETT FIELD NAS CA**WMO No. 745090****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	63.0	53.9	56.5	42.6	34.0	61.6	58.8	43.7	30.6
14-Jan	65.0	56.6	58.3	44.4	36.0	70.0	63.6	47.0	33.6
21-Jan	68.0	52.9	59.8	44.9	37.0	64.4	61.0	47.6	32.3
28-Jan	66.0	52.7	59.3	43.6	38.0	58.1	58.0	44.4	30.1
4-Feb	67.0	53.5	59.8	44.0	36.0	60.2	59.2	45.4	31.2
11-Feb	68.0	55.8	60.9	45.7	35.0	63.0	60.4	49.4	34.4
18-Feb	70.0	58.5	61.8	47.1	39.0	70.0	61.3	52.2	35.5
25-Feb	72.0	55.7	62.7	46.5	38.0	66.5	64.0	47.9	32.5
4-Mar	72.0	59.0	62.3	48.2	40.0	69.3	67.9	52.4	36.2
11-Mar	71.0	57.0	63.5	48.5	40.0	67.2	62.7	52.3	37.0
18-Mar	74.0	60.4	63.2	48.0	41.0	66.5	65.6	50.1	34.5
25-Mar	72.0	56.2	63.6	48.3	42.0	64.4	62.1	50.7	34.3
1-Apr	76.0	60.7	65.5	48.7	42.0	67.2	68.6	50.4	33.0
8-Apr	82.0	62.3	67.2	49.1	42.0	65.1	64.4	51.2	34.6
15-Apr	82.0	63.3	68.8	49.7	44.0	69.3	70.0	52.7	34.5
22-Apr	80.0	57.1	67.7	50.4	43.0	64.4	65.8	51.8	35.0
29-Apr	82.0	60.1	69.6	51.3	46.0	69.3	73.1	54.7	36.3
6-May	83.0	63.3	70.3	52.8	47.0	69.3	71.4	55.8	38.7
13-May	85.0	63.4	71.8	52.8	47.0	74.9	73.6	57.6	39.8
20-May	84.0	62.3	71.2	53.2	47.0	74.9	68.2	57.9	41.0
27-May	84.0	63.0	72.0	54.5	50.0	74.9	69.5	60.8	43.7
3-Jun	88.0	64.9	73.5	55.2	50.0	80.5	73.0	61.7	43.8
10-Jun	89.0	64.9	74.9	56.7	51.0	83.3	75.6	66.0	47.2
17-Jun	89.0	64.0	73.8	56.4	53.0	77.7	73.5	62.9	45.4
24-Jun	94.0	66.9	76.1	57.5	52.0	89.6	80.1	68.1	49.5
1-Jul	92.0	68.2	76.3	58.6	53.0	89.6	74.3	69.2	48.9
8-Jul	86.0	65.2	76.0	58.2	53.0	84.0	76.3	70.2	51.8
15-Jul	89.0	68.3	76.8	59.0	53.0	86.8	77.4	72.4	53.9
22-Jul	84.0	67.8	75.3	59.4	56.0	89.6	75.8	73.6	55.6
29-Jul	84.0	67.2	76.0	59.9	56.0	92.4	73.2	75.3	58.3
5-Aug	89.0	66.8	77.1	60.2	56.0	95.9	80.6	74.8	57.5
12-Aug	86.0	66.6	76.4	60.1	56.0	86.8	74.5	73.0	57.2
19-Aug	85.0	66.1	74.9	59.4	55.0	83.3	77.4	70.0	54.8
26-Aug	85.0	65.0	75.9	59.0	56.0	80.5	72.2	70.8	53.4
2-Sep	86.0	66.6	77.1	59.6	56.0	89.6	76.4	75.5	57.1
9-Sep	88.0	68.5	77.2	59.4	55.0	89.6	74.1	74.5	55.7
16-Sep	90.0	65.9	74.9	58.4	54.0	84.0	75.1	69.6	52.2
23-Sep	86.0	65.8	75.8	58.0	53.0	92.4	75.2	71.8	52.4
30-Sep	88.0	64.5	76.3	58.1	53.0	86.1	71.7	71.6	51.5
7-Oct	90.0	66.6	76.1	57.2	52.0	83.3	73.2	69.2	49.5
14-Oct	86.0	62.3	74.9	55.6	49.0	77.7	67.6	65.6	45.4
21-Oct	82.0	63.2	72.1	54.6	49.0	74.9	69.3	64.0	45.1
28-Oct	81.0	60.9	71.3	54.1	47.0	80.5	65.4	64.0	43.8
4-Nov	78.0	57.5	69.5	50.8	45.0	72.1	65.5	57.7	38.0
11-Nov	75.0	59.5	67.8	49.9	44.0	71.4	65.1	56.6	37.5
18-Nov	72.0	55.6	64.3	48.8	40.0	74.2	65.4	54.9	37.2
25-Nov	68.0	54.4	61.8	46.8	39.0	69.3	62.1	52.6	34.9
2-Dec	67.0	52.9	61.6	44.9	37.0	61.6	58.2	48.0	32.0
9-Dec	67.0	55.3	61.4	45.7	37.0	66.5	61.8	50.0	34.5
16-Dec	66.0	55.6	59.6	43.7	36.0	68.6	59.9	45.6	30.6
23-Dec	63.0	54.1	57.0	42.2	33.0	64.4	59.0	44.2	30.1
31-Dec	64.0	56.2	56.7	42.8	33.0	70.0	61.5	44.6	31.4

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



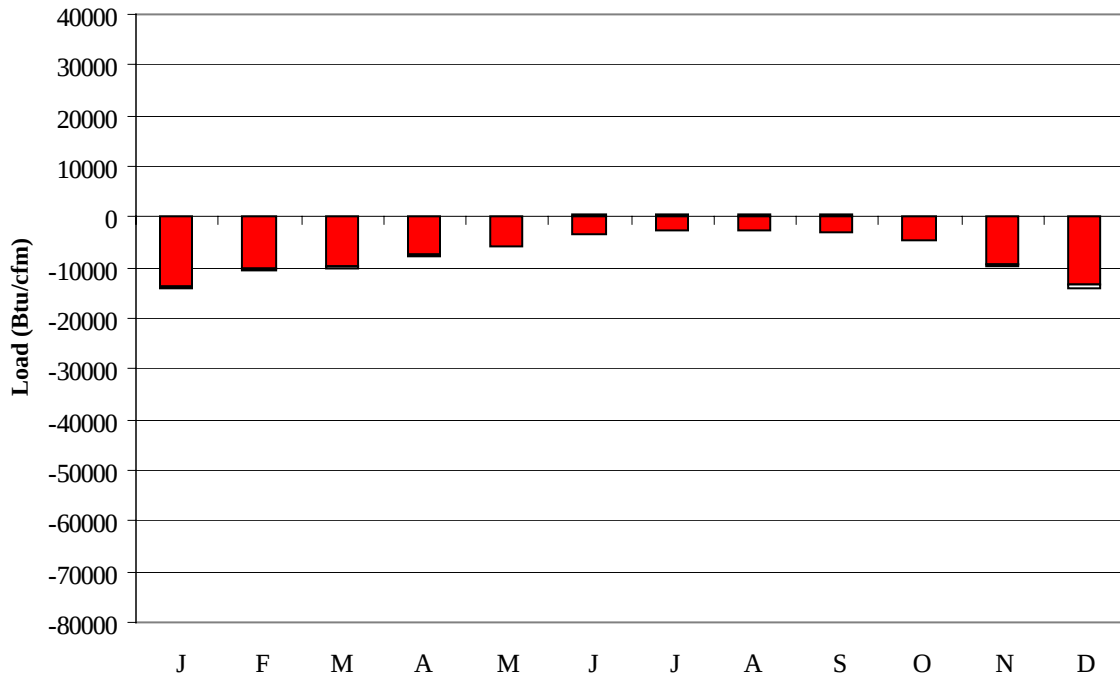
■ Mean Cooling Degree Days ■ Mean Heating Degree Days

	Mean Cooling Degree Days (°F)	Mean Heating Degree Days (°F)
JAN	1	433
FEB	4	316
MAR	9	294
APR	33	213
MAY	58	149
JUN	95	84
JUL	113	56
AUG	106	50
SEP	100	64
OCT	63	120
NOV	11	282
DEC	1	428
ANN	594	2489

MOFFETT FIELD NAS CA

WMO No. 745090

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	-13517	1	-586
FEB	2	-10265	0	-384
MAR	6	-9856	0	-220
APR	138	-7452	3	-150
MAY	258	-5617	8	-27
JUN	493	-3519	80	-10
JUL	454	-2693	169	0
AUG	374	-2552	109	0
SEP	475	-2987	127	-8
OCT	279	-4742	24	-56
NOV	11	-9472	2	-338
DEC	0	-13385	0	-769
ANN	2490	-86057	523	-2548

Average Annual Solar Radiation – Nearest Available Site

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

City: SAN FRANCISCO
 State: CA
 WBAN No: 23234
 Lat(N): 37.62
 Long(W): 122.38
 Elev(ft): 16

Stn Type: Secondary
 SHADING GEOMETRY IN DIMENSIONLESS UNITS

Window: 1
 Overhang: 0.466
 Vert Gap: 0.307

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	680	940	1340	1800	2120	2270	2330	2060	1700	1230	790	620	1490
	Std Dev	66	122	147	163	126	144	84	109	101	79	84	75	33
	Minimum	570	740	1060	1390	1790	1920	2190	1810	1480	1020	670	450	1400
	Maximum	790	1240	1680	2030	2360	2520	2490	2300	1910	1400	930	760	1540
	Diffuse	310	420	530	640	710	720	650	610	500	410	330	280	510
Clear Day	Global	940	1280	1760	2230	2530	2640	2570	2310	1900	1410	1010	840	1790
NORTH	Global	200	270	350	440	550	620	590	470	380	300	220	180	380
	Diffuse	200	270	350	430	490	520	500	450	380	300	220	180	360
Clear Day	Global	200	260	340	430	580	680	630	480	370	290	220	190	390
EAST	Global	430	580	780	1000	1100	1120	1140	1030	930	720	500	400	810
	Diffuse	250	330	430	530	590	610	590	550	470	370	280	220	440
Clear Day	Global	670	860	1100	1310	1420	1440	1410	1330	1170	930	710	610	1080
SOUTH	Global	1050	1140	1170	1070	900	800	860	1050	1300	1370	1150	1050	1080
	Diffuse	350	430	500	540	550	540	530	530	510	470	390	330	470
Clear Day	Global	1790	1840	1710	1340	1020	870	920	1180	1550	1790	1790	1740	1460
WEST	Global	460	600	820	1060	1200	1260	1320	1210	1060	810	530	430	900
	Diffuse	250	330	440	550	610	630	610	570	480	380	280	230	450
Clear Day	Global	670	860	1100	1310	1420	1440	1410	1330	1170	930	710	610	1080

Average Annual Solar Heat and Illumination – Nearest Available Site

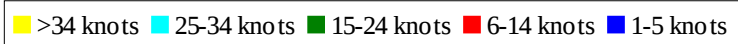
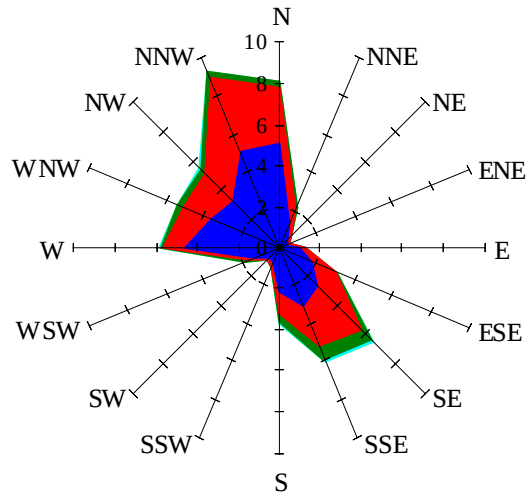
(Source: National Renewable Energy Laboratory, Golden CO, 1995)

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	450	650	960	1300	1560	1670	1720	1520	1240	860	530	400	1070
NORTH	Unshaded	140	190	240	300	360	400	380	320	260	210	150	130	260
	Shaded	130	170	220	280	330	360	350	290	240	190	140	120	240
EAST	Unshaded	290	400	550	710	780	790	800	730	650	500	350	270	570
	Shaded	260	360	490	630	670	680	690	630	580	450	310	250	500
SOUTH	Unshaded	790	830	810	680	530	460	490	640	870	990	860	790	730
	Shaded	770	780	650	460	350	350	340	400	630	880	830	780	600
WEST	Unshaded	320	420	580	750	850	900	940	860	750	570	360	290	640
	Shaded	290	380	520	660	740	780	820	750	670	510	330	270	560

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	38	73	84	68	30	44	83	103	99	72
	M.Cloudy	22	46	54	44	18	26	51	74	75	51
NORTH	M.Clear	10	14	15	14	9	20	16	17	17	15
	M.Cloudy	9	15	16	14	7	13	17	19	18	16
EAST	M.Clear	71	59	15	14	9	75	74	34	17	15
	M.Cloudy	28	34	16	14	7	29	40	29	18	16
SOUTH	M.Clear	36	69	80	64	28	11	28	43	40	20
	M.Cloudy	17	38	46	38	14	10	22	34	33	18
WEST	M.Clear	10	14	21	65	66	11	16	17	50	80
	M.Cloudy	9	15	18	38	26	10	17	19	40	50
M.Clear	(% hrs)	36	38	40	41	42	46	60	67	71	70
		Sept					Dec				
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	26	67	88	83	52	14	41	49	32	3
	M.Cloudy	15	42	61	59	34	8	24	29	19	3
NORTH	M.Clear	8	14	16	16	12	5	10	11	9	2
	M.Cloudy	7	14	17	17	12	4	9	11	8	1
EAST	M.Clear	61	72	32	16	12	37	40	11	9	2
	M.Cloudy	20	37	26	17	12	11	18	11	8	1
SOUTH	M.Clear	18	54	73	68	40	33	76	86	63	8
	M.Cloudy	9	30	50	47	25	10	29	36	25	3
WEST	M.Clear	8	14	16	52	77	5	10	20	47	12
	M.Cloudy	7	14	17	38	41	4	9	14	20	4
M.Clear	(% hrs)	48	63	72	77	76	35	39	43	42	44

Wind Summary - December, January, and February

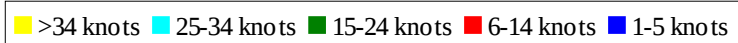
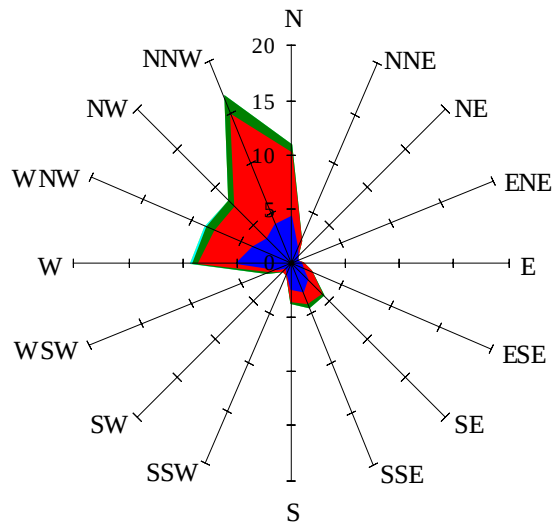
Labels of Percent Frequency on North Axis



Percent Calm = 38.29

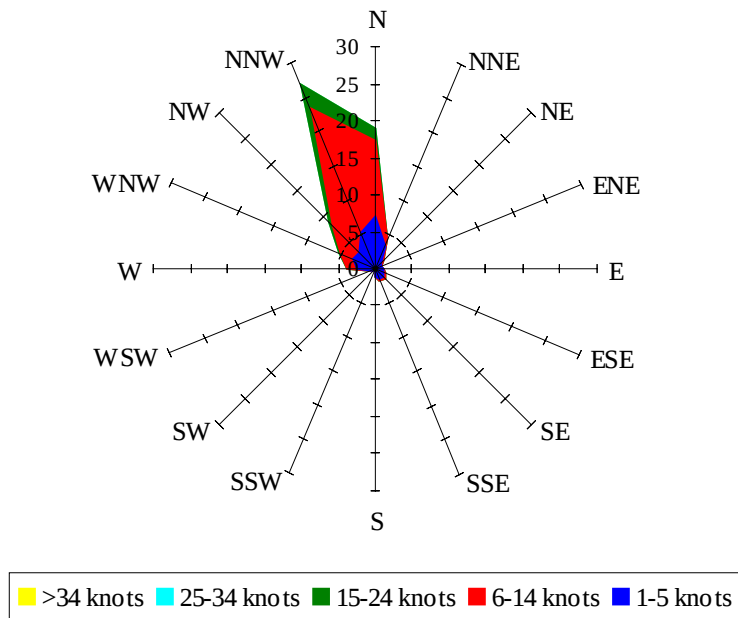
Wind Summary - March, April, and May

Labels of Percent Frequency on North Axis



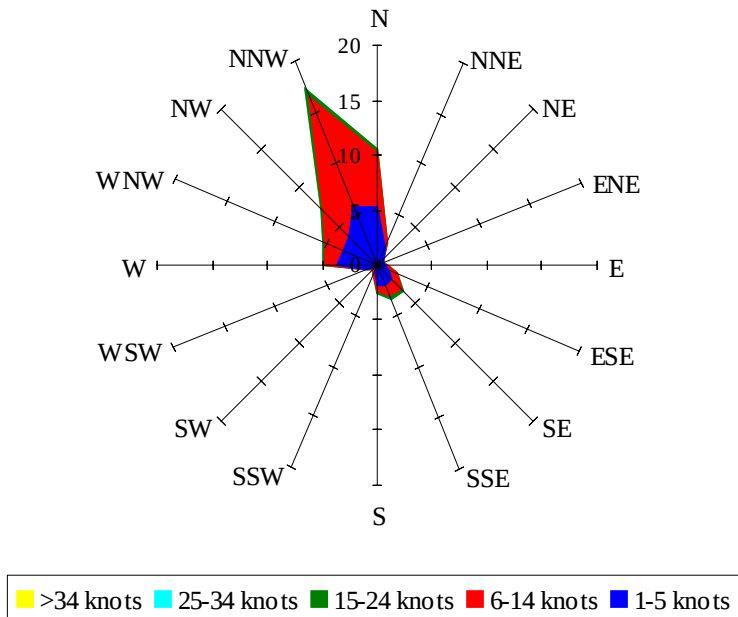
Percent Calm = 23.51

Wind Summary - June, July, and August **Labels of Percent Frequency on North Axis**



Percent Calm = 21.42

Wind Summary - September, October, and November **Labels of Percent Frequency on North Axis**



Percent Calm = 36.91