EDWARDS AFB CA	
Latitude = 34.90 N	WMO No. 723810
Longitude =117.80 W	Elevation = 2303 feet
Period of Record = 1967 to 1996	Average Pressure = 27.55 inches Hg

Design Criteria Data

		Mean Coincident (Average) Values			
Dry Bulb Temperature (T)	**Design Value (^oF)**	Wet Bulb Temperature (^oF)	Humidity Ratio (gr/lb)	Wind Speed (mph)	Prevailing Direction (NSEW)
Median of Extreme Highs	109	67	40	11.4	SW
0.4% Occurrence	104	66	44	10.3	WSW
1.0% Occurrence	102	65	43	10.3	WSW
2.0% Occurrence	99	64	43	10.3	WSW
Mean Daily Range	29	-	-	-	-
97.5% Occurrence	30	26	16	2.5	W
99.0% Occurrence	26	23	14	2.1	WNW
99.6% Occurrence	23	20	11	2.3	W
Median of Extreme Lows	17	15	9	2.2	W
		Mean Coincident (Average) Values			
Wet Bulb Temperature (T_{wb})	**Design Value (^oF)**	Dry Bulb Temperature (^oF)	Humidity Ratio (gr/lb)	Wind Speed (mph)	Prevailing Direction (NSEW)
Median of Extreme Highs	71	94	84	8.6	WSW
0.4% Occurrence	69	94	74	8.8	WSW
1.0% Occurrence	68	95	68	9.4	WSW
2.0% Occurrence	67	95	63	9.5	WSW
		Mean Coincident (Average) Values			
Humidity Ratio (HR)	**Design Value (gr/lb)**	Dry Bulb Temperature (^oF)	Vapor Pressure (in. Hg)	Wind Speed (mph)	Prevailing Direction (NSEW)
Median of Extreme Highs	101	76	0.62	5.3	SW
0.4% Occurrence	88	79	0.54	7.0	WSW
1.0% Occurrence	78	79	0.49	6.0	SW
2.0% Occurrence	71	80	0.44	10.1	SW
Air Conditioning/		$T \geq 93^oF$	$T \geq 80^oF$	$T_{wb} \geq 73^oF$	$T_{wb} \geq 67^oF$
Humid Area Criteria	# of Hours	597	1834	2	183

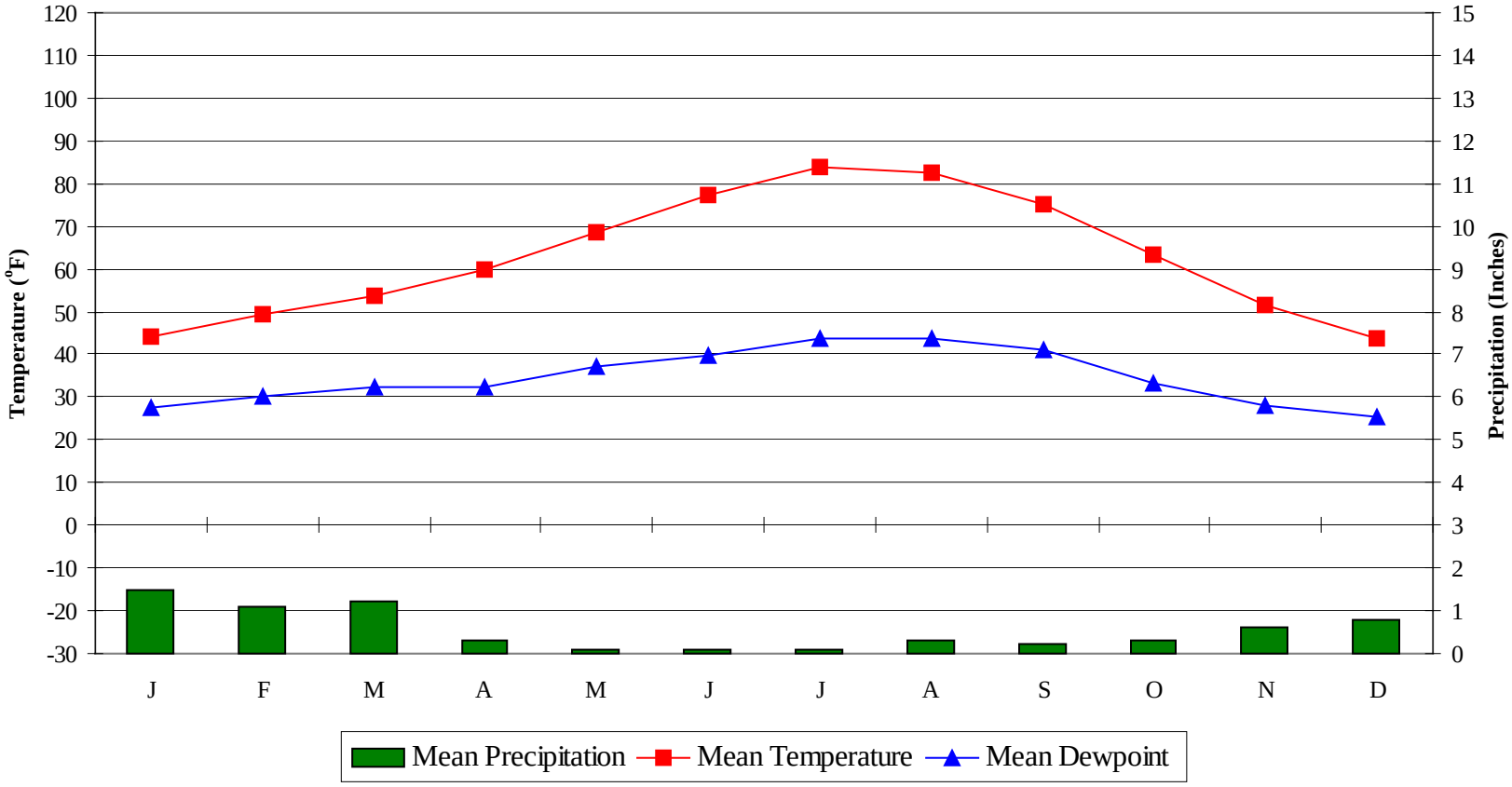
Other Site Data

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^oF-RH 60% Latent + Sensible
11	1.5	N/A	0.0 + 2.3
Ground Water Temperature (^oF) 50 Foot Depth *	**Frost Depth 50 Year Recurrence (in.)**	**Ground Snow Load 50 Year Recurrence (lb/ft^2)**	**Average Annual Freeze-Thaw Cycles (#)**
65.4	22	5	52

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

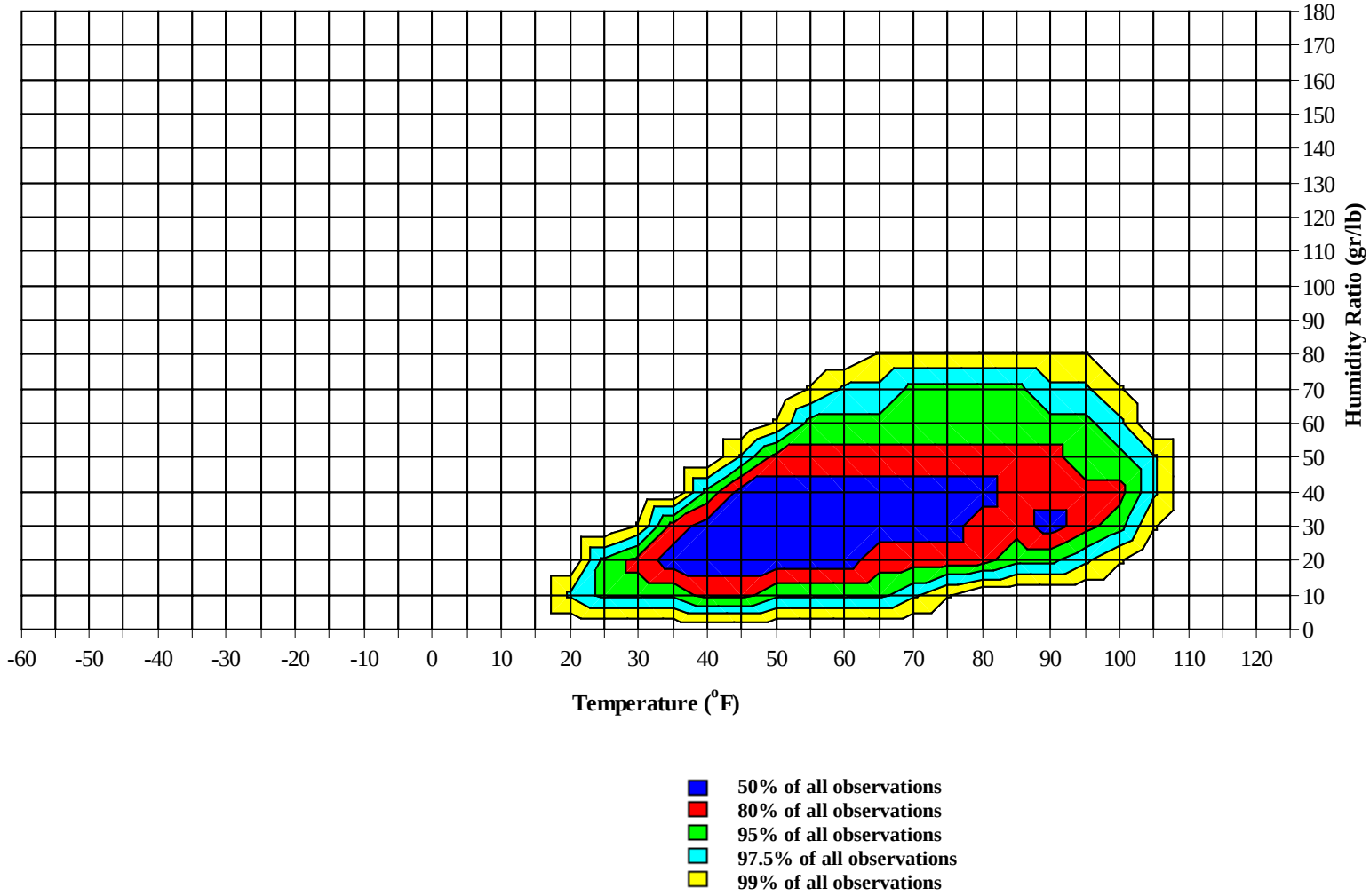
EDWARDS AFB **CA** WMO No. 723810

Average Annual Climate



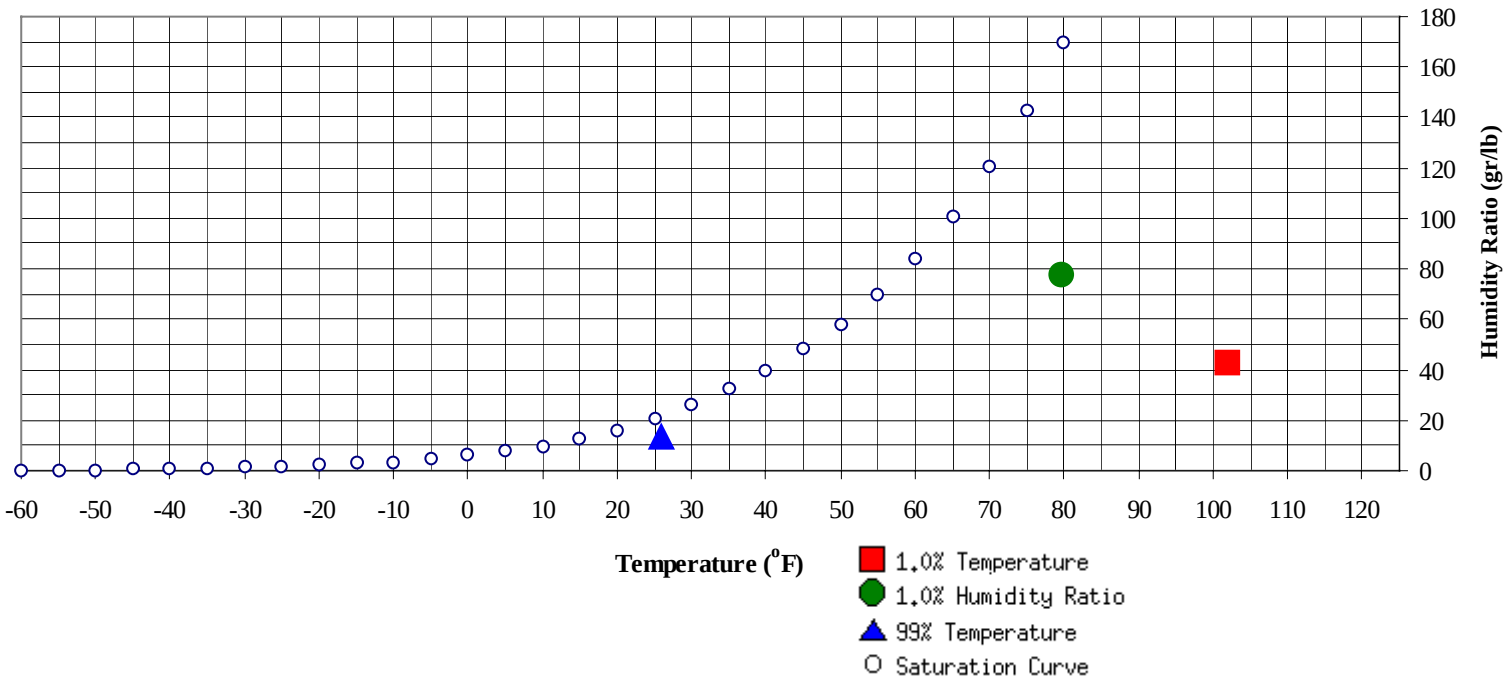
EDWARDS AFB **CA** WMO No. 723810

Long Term Psychrometric Summary



EDWARDS AFB **CA** WMO No. 723810

Psychrometric Summary of Peak Design Values



	(°F)	MCHR (gr/lb)	Enthalpy (btu/lb)
99% Dry Bulb	26	13.6	8.3

	(gr/lb)	MCDB (°F)	MCWB (°F)	MC Dewpt (°F)	Enthalpy (btu/lb)
1.0% Humidity Ratio	77.7	79.7	65.3	57.9	31.3

	(°F)	MCHR (gr/lb)	MCWB (°F)	Enthalpy (btu/lb)
1.0% Dry Bulb	102	42.9	65.5	31.3

EDWARDS AFB CA WMO No. 723810

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

Period of Record = 1967 to 1996

Temperature Range (°F)	January Hour Group (LST) 01 To 08	January 09 To 16	January 17 To 00	January Total Obs	January MCWB (°F)	February Hour Group (LST) 01 To 08	February 09 To 16	February 17 To 00	February Total Obs	February MCWB (°F)	March Hour Group (LST) 01 To 08	March 09 To 16	March 17 To 00	March Total Obs	March MCWB (°F)
110 / 114															
105 / 109															
100 / 104															
95 / 99															
90 / 94															
85 / 89												0	0	0	56.1
80 / 84							0	0	0	55.8		5	1	6	54.7
75 / 79		0		0	54.3		3	0	3	53.2		12	3	15	53.2
70 / 74		2	0	2	51.3		13	3	16	50.9	0	26	8	34	51.7
65 / 69		12	2	14	48.1	0	25	8	33	49.0	0	35	18	53	49.5
60 / 64	0	28	7	35	47.0	0	34	17	50	47.2	2	47	32	81	48.0
55 / 59	1	42	19	62	45.3	4	44	33	81	45.6	12	52	45	109	46.2
50 / 54	6	54	42	102	42.9	16	46	50	112	43.7	36	42	60	137	44.0
45 / 49	26	45	60	131	40.5	35	33	54	122	40.7	63	20	49	132	41.1
40 / 44	37	34	56	127	36.7	53	16	37	106	37.2	65	7	25	98	37.4
35 / 39	45	20	37	103	32.8	47	7	16	69	33.1	44	2	6	52	33.5
30 / 34	60	7	18	85	28.7	45	2	5	52	28.7	20	0	1	21	29.2
25 / 29	48	2	6	57	24.4	20	0	1	21	24.3	5		0	5	24.3
20 / 24	18	1	1	20	19.7	5	0	0	5	19.4	0			0	18.8
15 / 19	5	0	0	5	14.8	0			0	15.2					
10 / 14	1			1	10.2										
5 / 9															
0 / 4															

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.

EDWARDS AFB CA WMO No. 723810

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

Period of Record = 1967 to 1996

Temperature Range (°F)	April Hour Group (LST) 01 To 08	April 09 To 16	April 17 To 00	April Total Obs	April MCWB (°F)	May Hour Group (LST) 01 To 08	May 09 To 16	May 17 To 00	May Total Obs	May MCWB (°F)	June Hour Group (LST) 01 To 08	June 09 To 16	June 17 To 00	June Total Obs	June MCWB (°F)
110 / 114												0		0	69.7
105 / 109												2	0	2	66.2
100 / 104							1	0	1	63.7		17	2	20	64.1
95 / 99		0	0	0	61.9		4	1	5	62.0		33	10	43	62.6
90 / 94		3	0	3	59.3		21	4	26	60.2	0	50	20	70	61.0
85 / 89		8	2	10	57.1	0	36	12	48	58.5	3	49	30	82	59.6
80 / 84		19	5	24	55.3	1	45	22	69	56.9	10	36	38	84	58.2
75 / 79	0	33	12	45	53.4	4	44	30	78	55.4	20	26	41	87	56.7
70 / 74	1	40	20	61	51.7	13	36	40	89	53.6	37	16	38	91	55.0
65 / 69	5	40	29	73	50.1	27	28	42	97	52.0	52	8	29	90	53.1
60 / 64	14	41	40	95	48.3	47	19	41	107	50.0	56	2	20	78	51.0
55 / 59	34	31	49	114	46.0	59	10	30	99	47.6	40	1	9	50	48.8
50 / 54	57	18	45	120	43.5	53	2	19	74	44.9	17	0	2	19	45.9
45 / 49	58	6	25	89	40.4	32	1	7	40	41.7	3	0	0	3	42.0
40 / 44	44	1	11	55	36.9	10	0	1	11	38.0	1			1	39.1
35 / 39	22	0	2	25	33.1	1			1	33.5					
30 / 34	5			5	28.9										
25 / 29	0			0	24.0										
20 / 24															
15 / 19															
10 / 14															
5 / 9															
0 / 4															

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.

EDWARDS AFB CA WMO No. 723810

Dry-Bulb Temperature Hours For An Average Year (Sheet 3 of 5)

Period of Record = 1967 to 1996

Temperature Range (°F)	July Hour Group (LST) 01 To 08	July 09 To 16	July 17 To 00	July Total Obs	July MCWB (°F)	August Hour Group (LST) 01 To 08	August 09 To 16	August 17 To 00	August Total Obs	August MCWB (°F)	September Hour Group (LST) 01 To 08	September 09 To 16	September 17 To 00	September Total Obs	September MCWB (°F)
110 / 114		1	0	1	68.0		0		0	67.3					
105 / 109		10	1	11	66.9		8	0	8	66.8		0		0	65.5
100 / 104		42	8	50	65.6		33	7	39	65.8		8	1	9	65.0
95 / 99	0	62	23	86	64.1		58	20	78	64.3		28	6	33	63.8
90 / 94	1	61	39	101	62.7	1	59	34	94	62.8		46	16	62	61.7
85 / 89	9	42	44	95	61.5	6	44	41	90	61.7	0	46	26	72	60.1
80 / 84	24	21	50	95	60.3	17	28	51	95	60.4	2	42	37	81	58.9
75 / 79	47	7	47	101	58.6	41	13	47	101	58.8	11	32	44	87	57.6
70 / 74	66	2	27	94	56.9	66	5	31	102	57.0	27	22	44	92	55.8
65 / 69	60	0	8	68	54.5	56	1	13	71	54.5	49	12	35	96	54.0
60 / 64	31		1	32	51.4	40	0	3	43	51.5	57	5	21	83	51.3
55 / 59	9		0	9	49.0	18		1	19	48.9	50	1	10	61	48.2
50 / 54	1			1	45.1	3		0	3	46.2	30	0	2	33	44.1
45 / 49	0			0	39.0	0			0	43.9	10		0	10	39.5
40 / 44											2			2	35.5
35 / 39											0			0	34.0
30 / 34															
25 / 29															
20 / 24															
15 / 19															
10 / 14															
5 / 9															
0 / 4															

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.

EDWARDS AFB CA WMO No. 723810

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)				MCWB	Hour Group (LST)				MCWB	Hour Group (LST)				MCWB
	01 To 08	09 To 16	17 To 00	Total Obs	(°F)	01 To 08	09 To 16	17 To 00	Total Obs	(°F)	01 To 08	09 To 16	17 To 00	Total Obs	(°F)
110 / 114															
105 / 109															
100 / 104															
95 / 99		3	0	3	60.9										
90 / 94		9	2	11	59.6										
85 / 89		20	4	25	57.7		0		0	55.8					
80 / 84		34	10	44	56.1		3		3	55.1					
75 / 79	0	42	20	62	54.4		14	1	15	52.8		1		1	52.6
70 / 74	2	43	30	75	52.9		24	4	29	51.0		4		4	51.2
65 / 69	7	40	42	88	51.1	0	34	11	45	49.2		12	1	13	48.8
60 / 64	24	31	49	104	49.3	2	47	23	73	47.3	0	27	5	32	46.7
55 / 59	50	18	44	111	46.9	11	46	41	98	45.2	2	44	17	63	44.6
50 / 54	56	5	27	89	43.5	25	36	56	118	42.7	10	53	39	101	42.4
45 / 49	52	3	12	66	39.4	40	21	49	110	39.4	20	43	51	114	39.4
40 / 44	33	0	5	38	34.8	53	10	32	95	35.7	30	31	54	115	35.9
35 / 39	19	0	2	21	30.7	49	3	16	69	31.5	42	20	44	106	32.1
30 / 34	5	0	0	5	26.7	36	1	5	42	27.3	56	11	27	94	28.3
25 / 29	1		0	1	21.4	19	0	1	20	23.6	53	3	9	65	23.9
20 / 24						5			5	19.4	26	0	1	27	19.5
15 / 19						0			0	15.0	7	0	0	7	14.9
10 / 14											1	0	0	1	11.2
5 / 9											0			0	7.0
0 / 4											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.

EDWARDS AFB CA WMO No. 723810

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

Period of Record = 1967 to 1996

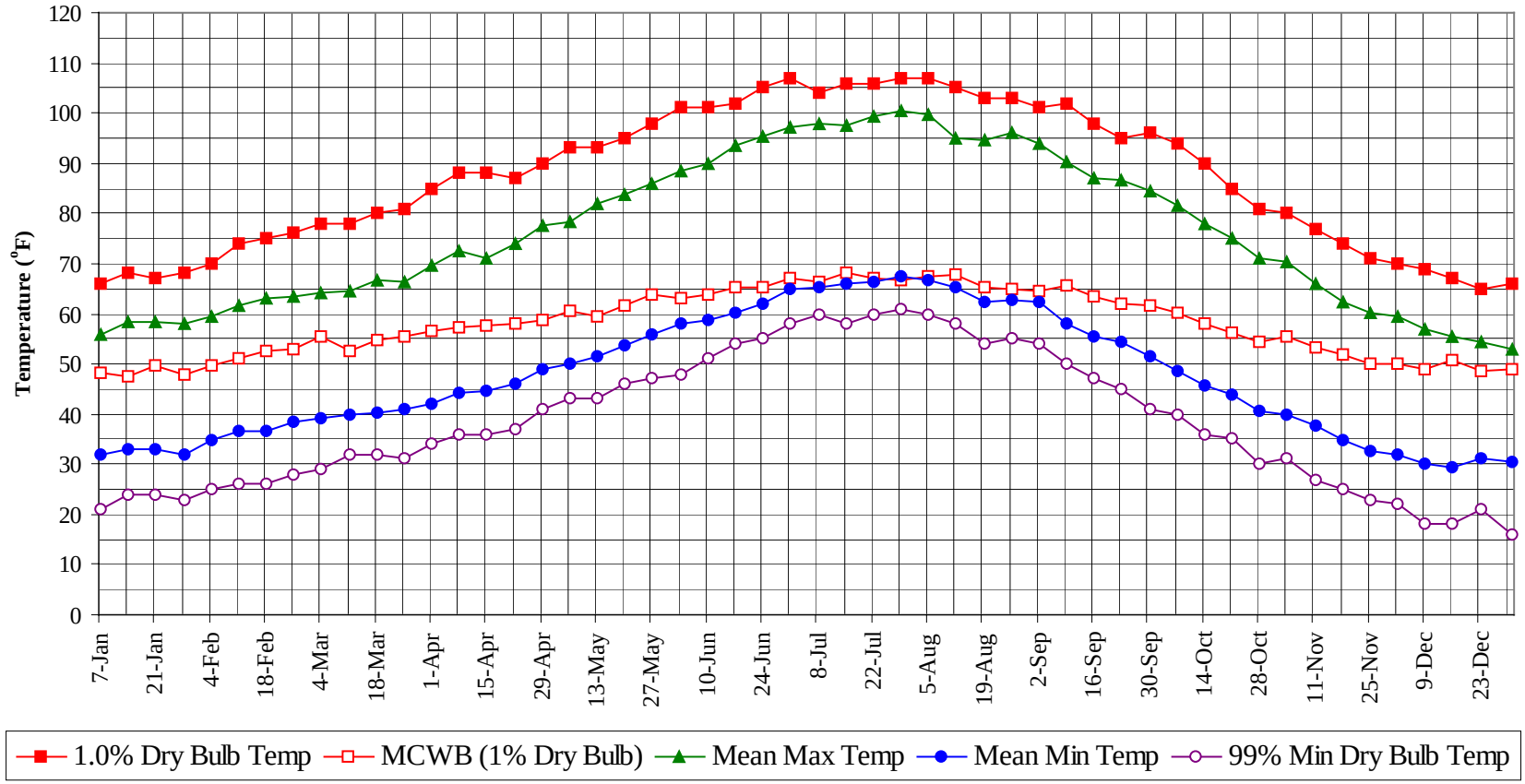
Annual Totals

Temperature Range (°F)	Hour Group (LST) 01 To 08	09 To 16	17 To 00	Total Obs	MCWB (°F)
110 / 114		2	0	2	68.3
105 / 109		20	2	22	66.8
100 / 104		100	17	118	65.3
95 / 99	0	190	59	249	63.7
90 / 94	2	250	111	363	61.9
85 / 89	17	246	156	419	60.2
80 / 84	57	235	208	499	58.5
75 / 79	131	228	240	599	56.5
70 / 74	222	234	242	698	54.3
65 / 69	271	247	234	752	51.8
60 / 64	286	280	260	826	49.1
55 / 59	297	286	300	883	46.4
50 / 54	310	256	349	915	43.5
45 / 49	336	170	314	820	40.3
40 / 44	316	99	225	640	36.5
35 / 39	258	51	126	436	32.5
30 / 34	214	21	57	291	28.4
25 / 29	137	5	17	159	24.1
20 / 24	51	1	2	54	19.6
15 / 19	12	0	1	13	14.9
10 / 14	2	0	0	2	10.6
5 / 9	0			0	7.0
0 / 4	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.

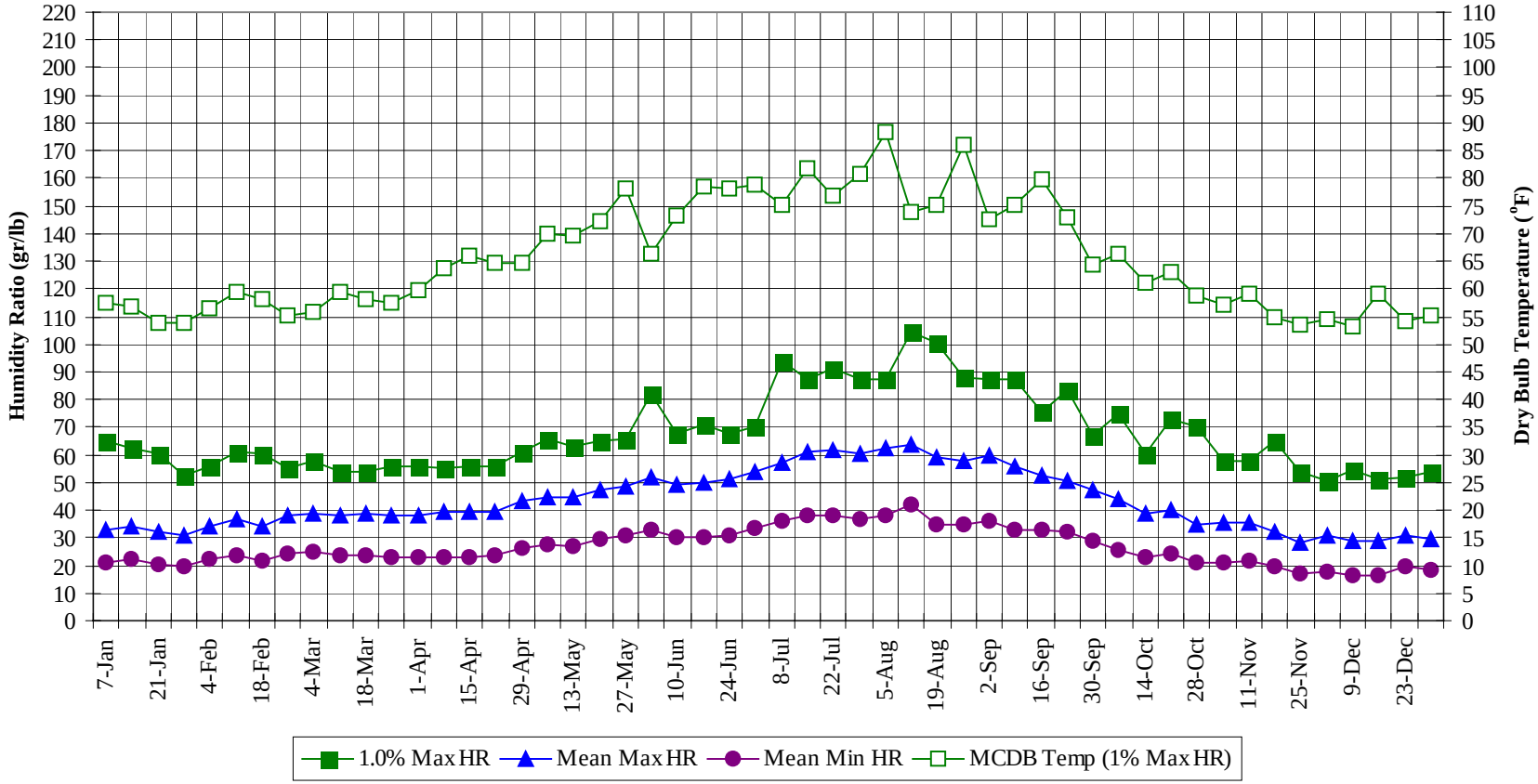
EDWARDS AFB **CA** WMO No. 723810

Annual Summary of Temperatures



EDWARDS AFB **CA** WMO No. 723810

Long Term Humidity and Dry Bulb Temperature Summary



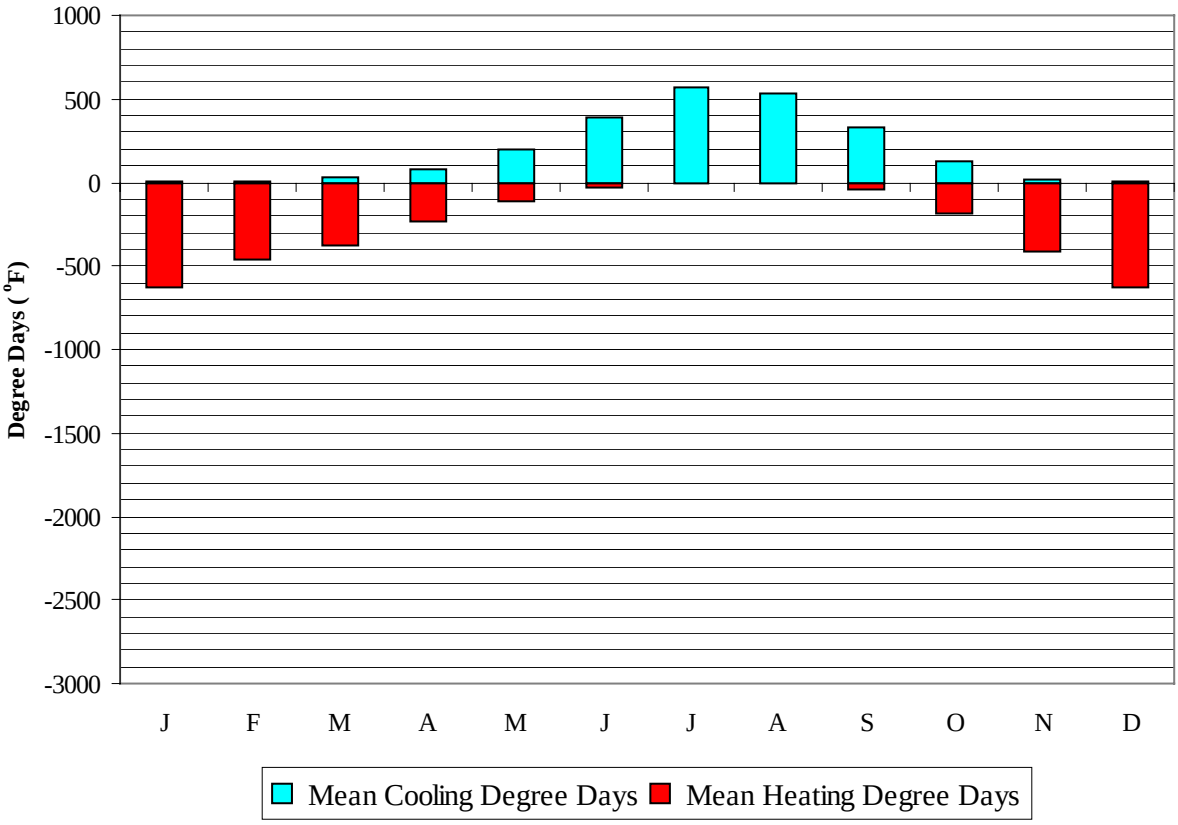
EDWARDS AFB **CA** WMO No. 723810

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	66.0	48.4	55.7	31.8	21.0	65.1	57.3	32.9	21.2
14-Jan	68.0	47.6	58.4	33.0	24.0	62.3	56.9	33.9	22.3
21-Jan	67.0	49.8	58.4	32.9	24.0	60.2	54.0	32.3	20.5
28-Jan	68.0	47.8	58.0	32.1	23.0	52.5	53.9	30.9	19.5
4-Feb	70.0	49.8	59.5	34.7	25.0	56.0	56.5	34.3	22.6
11-Feb	74.0	51.2	61.5	36.5	26.0	60.9	59.5	36.6	23.9
18-Feb	75.0	52.5	63.0	36.6	26.0	60.2	58.2	34.3	21.8
25-Feb	76.0	52.8	63.5	38.6	28.0	55.3	55.1	38.1	24.6
4-Mar	78.0	55.6	64.3	39.3	29.0	58.1	55.7	38.5	25.0
11-Mar	78.0	52.4	64.6	39.8	32.0	53.9	59.3	37.8	23.8
18-Mar	80.0	54.7	66.7	40.2	32.0	53.9	58.3	39.1	23.7
25-Mar	81.0	55.3	66.5	41.0	31.0	56.0	57.5	37.8	23.3
1-Apr	85.0	56.4	69.7	42.1	34.0	56.0	59.7	38.3	23.1
8-Apr	88.0	57.1	72.6	44.3	36.0	55.3	63.7	39.2	23.0
15-Apr	88.0	57.5	70.9	44.5	36.0	56.0	66.2	39.2	22.9
22-Apr	87.0	57.9	74.0	46.1	37.0	56.0	64.8	39.6	23.8
29-Apr	90.0	58.9	77.5	48.9	41.0	60.9	64.7	43.4	26.1
6-May	93.0	60.5	78.3	49.9	43.0	65.8	69.8	44.6	27.7
13-May	93.0	59.5	81.8	51.3	43.0	63.0	69.7	44.9	26.9
20-May	95.0	61.8	83.7	53.7	46.0	65.1	72.2	47.6	29.3
27-May	98.0	63.9	85.8	55.7	47.0	65.8	78.0	48.4	31.1
3-Jun	101.0	63.1	88.3	57.9	48.0	81.9	66.4	52.0	33.0
10-Jun	101.0	63.8	89.9	58.6	51.0	67.9	73.4	48.9	30.3
17-Jun	102.0	65.1	93.5	60.3	54.0	70.7	78.4	49.8	30.1
24-Jun	105.0	65.4	95.4	62.1	55.0	67.9	78.0	51.2	31.1
1-Jul	107.0	67.1	97.0	64.8	58.0	70.0	78.7	53.8	33.6
8-Jul	104.0	66.5	97.8	65.4	60.0	93.8	75.1	57.3	36.0
15-Jul	106.0	68.0	97.5	66.1	58.0	87.5	81.7	61.2	38.2
22-Jul	106.0	67.0	99.5	66.4	60.0	91.0	76.8	61.8	37.9
29-Jul	107.0	66.6	100.3	67.6	61.0	87.5	80.8	60.3	36.9
5-Aug	107.0	67.3	99.8	66.8	60.0	87.5	88.2	62.1	38.1
12-Aug	105.0	67.7	95.1	65.3	58.0	104.3	73.9	64.0	41.8
19-Aug	103.0	65.4	94.5	62.2	54.0	100.8	75.3	59.4	34.7
26-Aug	103.0	64.9	96.1	62.7	55.0	88.2	86.0	57.7	35.0
2-Sep	101.0	64.4	93.8	62.4	54.0	87.5	72.7	59.7	36.4
9-Sep	102.0	65.5	90.4	58.0	50.0	87.5	75.3	55.6	33.1
16-Sep	98.0	63.3	87.2	55.6	47.0	75.6	79.7	52.8	32.8
23-Sep	95.0	62.0	86.7	54.3	45.0	83.3	72.8	50.6	32.0
30-Sep	96.0	61.5	84.5	51.6	41.0	67.2	64.5	47.3	29.0
7-Oct	94.0	60.2	81.5	48.7	40.0	74.9	66.3	43.7	25.7
14-Oct	90.0	57.9	77.8	45.6	36.0	60.2	61.1	39.1	22.8
21-Oct	85.0	56.2	75.0	43.9	35.0	72.8	62.9	40.1	24.0
28-Oct	81.0	54.5	70.9	40.6	30.0	70.0	58.8	35.0	21.1
4-Nov	80.0	55.4	70.4	39.8	31.0	58.1	57.3	35.7	21.1
11-Nov	77.0	53.1	65.9	37.8	27.0	58.1	59.1	35.4	21.6
18-Nov	74.0	51.7	62.4	35.0	25.0	65.1	55.0	32.4	19.6
25-Nov	71.0	49.9	60.3	32.5	23.0	53.9	53.6	28.1	17.0
2-Dec	70.0	50.2	59.5	31.9	22.0	50.4	54.4	30.6	17.8
9-Dec	69.0	48.8	56.9	30.1	18.0	54.6	53.1	29.2	16.7
16-Dec	67.0	50.7	55.5	29.4	18.0	51.1	59.0	28.6	16.6
23-Dec	65.0	48.6	54.3	31.3	21.0	51.8	54.3	30.8	19.5
31-Dec	66.0	48.8	53.1	30.5	16.0	53.9	55.2	29.8	18.6

EDWARDS AFB **CA** WMO No. 723810

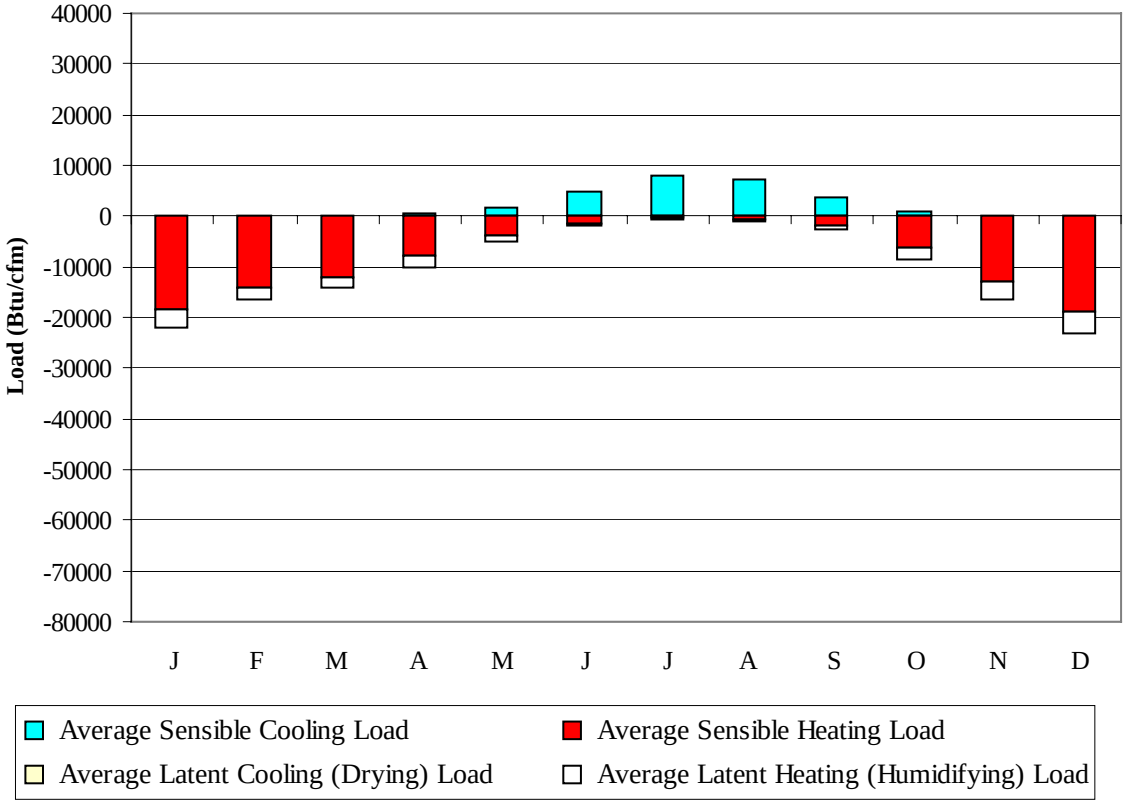
Degree Days, Heating and Cooling
(Base 65°F)



	Mean Cooling Degree Days (°F)	Mean Heating Degree Days (°F)
JAN	1	626
FEB	9	456
MAR	24	383
APR	75	239
MAY	203	108
JUN	395	30
JUL	573	5
AUG	535	10
SEP	334	44
OCT	128	184
NOV	20	412
DEC	2	634
ANN	2299	3131

EDWARDS AFB **CA** WMO No. 723810

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	-18558	0	-3517
FEB	8	-13923	0	-2648
MAR	66	-12079	0	-2188
APR	441	-7920	3	-2150
MAY	1807	-3923	0	-1170
JUN	4788	-1263	2	-628
JUL	7938	-291	50	-350
AUG	7137	-470	109	-418
SEP	3772	-1739	17	-799
OCT	1003	-6262	0	-2384
NOV	45	-12744	0	-3721
DEC	0	-18720	0	-4275
ANN	27005	-97892	181	-24248

Average Annual Solar Radiation – Nearest Available Site

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

City: DAGGETT
State: CA
WBAN No: 23161
Lat(N): 34.87
Long(W): 116.78
Elev(ft): 1929

Stn Type: Primary
SHADING GEOMETRY IN DIMENSIONLESS UNITS
Window: 1
Overhang: 1.073
Vert Gap: 0.661

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	1000	1310	1750	2210	2510	2670	2540	2330	1990	1550	1130	930	1830
	Std Dev	72	78	94	98	70	56	100	107	111	63	52	49	35
	Minimum	820	1110	1550	2000	2280	2520	2200	2020	1620	1380	990	830	1750
	Maximum	1120	1480	1960	2380	2610	2760	2690	2510	2150	1650	1220	1010	1880
	Diffuse	300	390	490	540	560	520	550	480	400	340	290	260	430
Clear Day	Global	1160	1510	1980	2430	2690	2790	2720	2480	2100	1630	1240	1060	1990
NORTH	Global	240	300	380	470	620	730	670	500	380	310	250	220	420
	Diffuse	240	300	380	440	490	510	500	440	370	310	250	220	370
Clear Day	Global	210	260	330	430	610	740	680	480	360	290	220	190	400
EAST	Global	700	870	1110	1330	1430	1490	1440	1380	1230	1010	780	660	1120
	Diffuse	290	370	470	550	590	580	580	540	460	390	310	270	450
Clear Day	Global	840	1030	1270	1450	1530	1550	1530	1450	1310	1080	880	780	1220
SOUTH	Global	1640	1620	1480	1190	890	750	790	1040	1410	1700	1720	1650	1320
	Diffuse	410	470	520	530	520	500	510	490	480	450	410	380	470
Clear Day	Global	2110	2050	1780	1290	910	760	810	1100	1560	1940	2090	2100	1540
WEST	Global	690	840	1070	1280	1400	1470	1380	1300	1200	990	760	650	1090
	Diffuse	300	380	480	550	600	600	600	540	470	390	310	270	460
Clear Day	Global	840	1030	1270	1450	1530	1550	1530	1450	1310	1080	880	780	1220

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	660	910	1250	1610	1850	1970	1870	1710	1450	1090	760	600	1310
NORTH	Unshaded	160	210	260	310	380	440	410	320	260	210	170	150	270
	Shaded	140	180	230	280	340	380	350	290	240	190	150	130	240
EAST	Unshaded	480	620	790	950	1030	1070	1030	990	880	720	540	450	800
	Shaded	410	510	640	760	800	820	800	780	710	600	460	390	640
SOUTH	Unshaded	1230	1170	1000	720	500	410	440	600	910	1200	1280	1250	890
	Shaded	1170	930	470	320	320	320	320	300	320	800	1160	1220	640
WEST	Unshaded	480	590	760	920	1000	1050	990	930	860	710	530	450	770
	Shaded	400	490	620	730	780	810	770	730	690	580	450	380	620

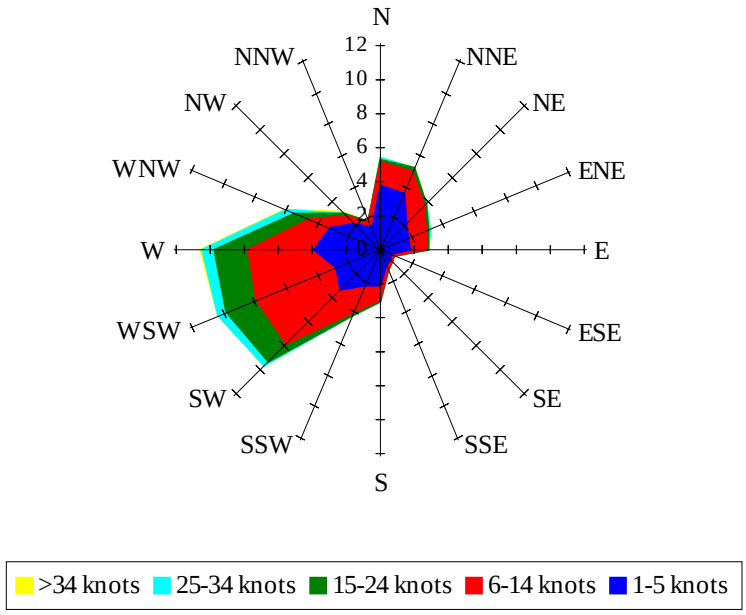
AVERAGE INCIDENT ILLUMINANCE (klux-hr) FOR MOSTLY CLEAR AND MOSTLY CLOUDY CONDITIONS, Percentage Uncertainty = 9

		March					June				
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	52	84	90	68	25	56	93	109	100	68
	M.Cloudy	40	67	71	52	19	48	83	97	86	56
NORTH	M.Clear	11	14	15	13	7	20	15	16	16	16
	M.Cloudy	12	17	18	15	7	20	18	18	18	17
EAST	M.Clear	84	54	15	13	7	88	71	24	16	13
	M.Cloudy	54	43	18	15	7	67	63	25	18	15
SOUTH	M.Clear	46	74	79	60	23	12	27	39	33	13
	M.Cloudy	33	57	60	43	14	14	28	38	32	15
WEST	M.Clear	11	14	31	76	71	12	15	16	59	87
	M.Cloudy	12	17	28	51	36	14	18	18	53	66
M.Clear	(% hrs)	57	55	52	51	54	84	83	81	78	78

		Sept					Dec				
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	39	79	95	84	48	27	54	57	34	2
	M.Cloudy	28	60	76	66	35	19	41	43	25	2
NORTH	M.Clear	9	14	16	15	11	7	11	11	9	1
	M.Cloudy	10	17	19	17	12	7	13	13	9	1
EAST	M.Clear	83	71	21	15	11	60	39	11	9	1
	M.Cloudy	43	51	22	17	12	30	28	13	9	1
SOUTH	M.Clear	27	59	73	63	34	59	92	96	68	7
	M.Cloudy	18	44	57	49	24	30	57	58	38	4
WEST	M.Clear	9	14	16	62	84	7	11	30	60	11
	M.Cloudy	10	17	19	48	50	7	13	23	34	5
M.Clear	(% hrs)	84	83	81	78	75	57	56	56	52	56

Wind Summary - December, January, and February

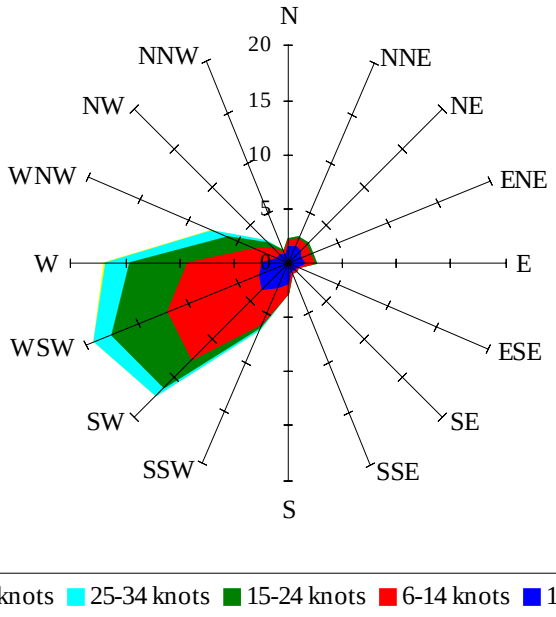
Labels of Percent Frequency on North Axis



Percent Calm = 28.00

Wind Summary - March, April, and May

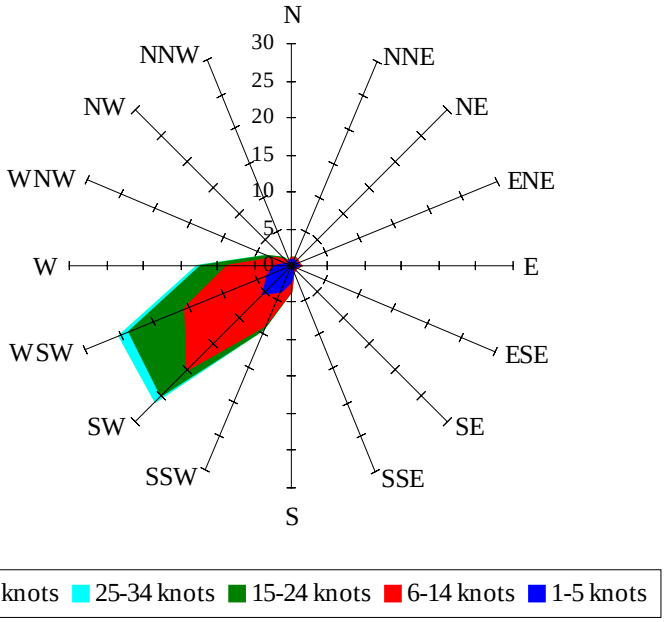
Labels of Percent Frequency on North Axis



Percent Calm = 10.66

Wind Summary - June, July, and August

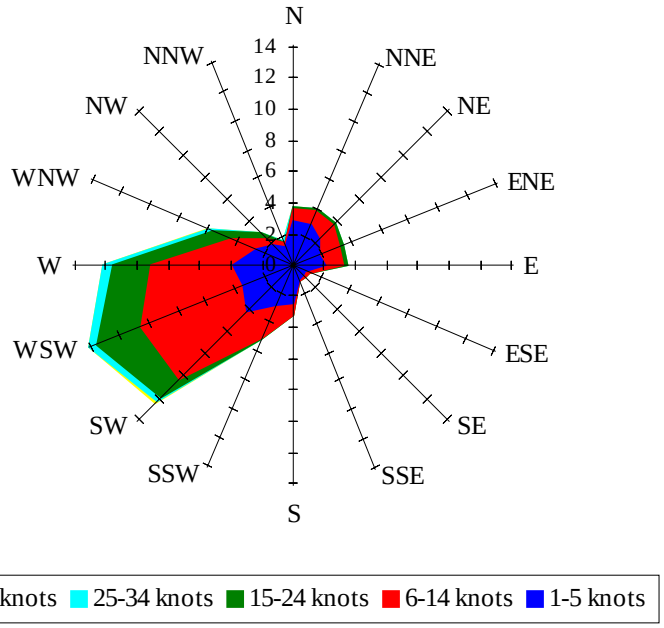
Labels of Percent Frequency on North Axis



Percent Calm = 8.83

Wind Summary - September, October, and November

Labels of Percent Frequency on North Axis



Percent Calm = 21.32