LEMOORE NAS/REEVES CA	
Latitude = 36.33 N	WMO No. 747020
Longitude =119.90 W	Elevation = 236 feet
Period of Record = 1967 to 1996	Average Pressure = 29.69 inches Hg

Design Criteria Data

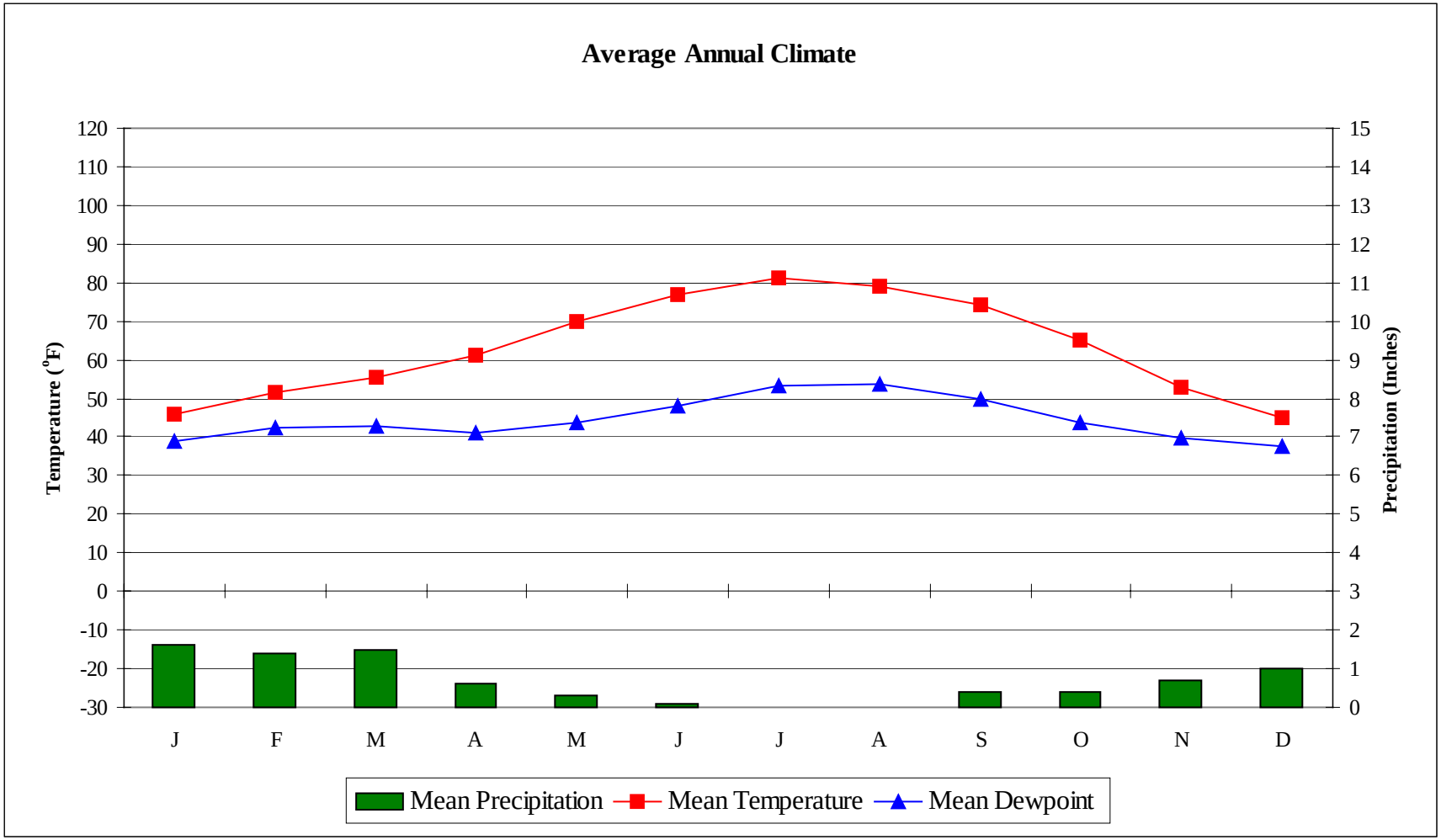
		Mean Coincident (Average) Values			
Dry Bulb Temperature (T)	**Design Value (^oF)**	Wet Bulb Temperature (^oF)	Humidity Ratio (gr/lb)	Wind Speed (mph)	Prevailing Direction (NSEW)
Median of Extreme Highs	109	73	68	8.6	N
0.4% Occurrence	104	72	66	7.1	N
1.0% Occurrence	101	71	65	6.8	N
2.0% Occurrence	99	70	64	6.7	N
Mean Daily Range	27	-	-	-	-
97.5% Occurrence	35	33	25	2.6	W
99.0% Occurrence	32	30	21	2.7	W
99.6% Occurrence	29	28	19	2.6	W
Median of Extreme Lows	25	24	15	2.3	SE
		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	77	100	101	6.4	NW
0.4% Occurrence	75	98	91	6.1	NNW
1.0% Occurrence	73	97	82	6.1	NNW
2.0% Occurrence	71	95	74	6.3	N
		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	111	93	0.74	5.3	NNW
0.4% Occurrence	97	89	0.65	5.2	NW
1.0% Occurrence	89	84	0.59	6.1	NW
2.0% Occurrence	81	85	0.54	5.3	NNW
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	538	1652	97	780

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
11	1.3	85	0.1 + 2.2
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 (#)
65.8	N/A	N/A	15

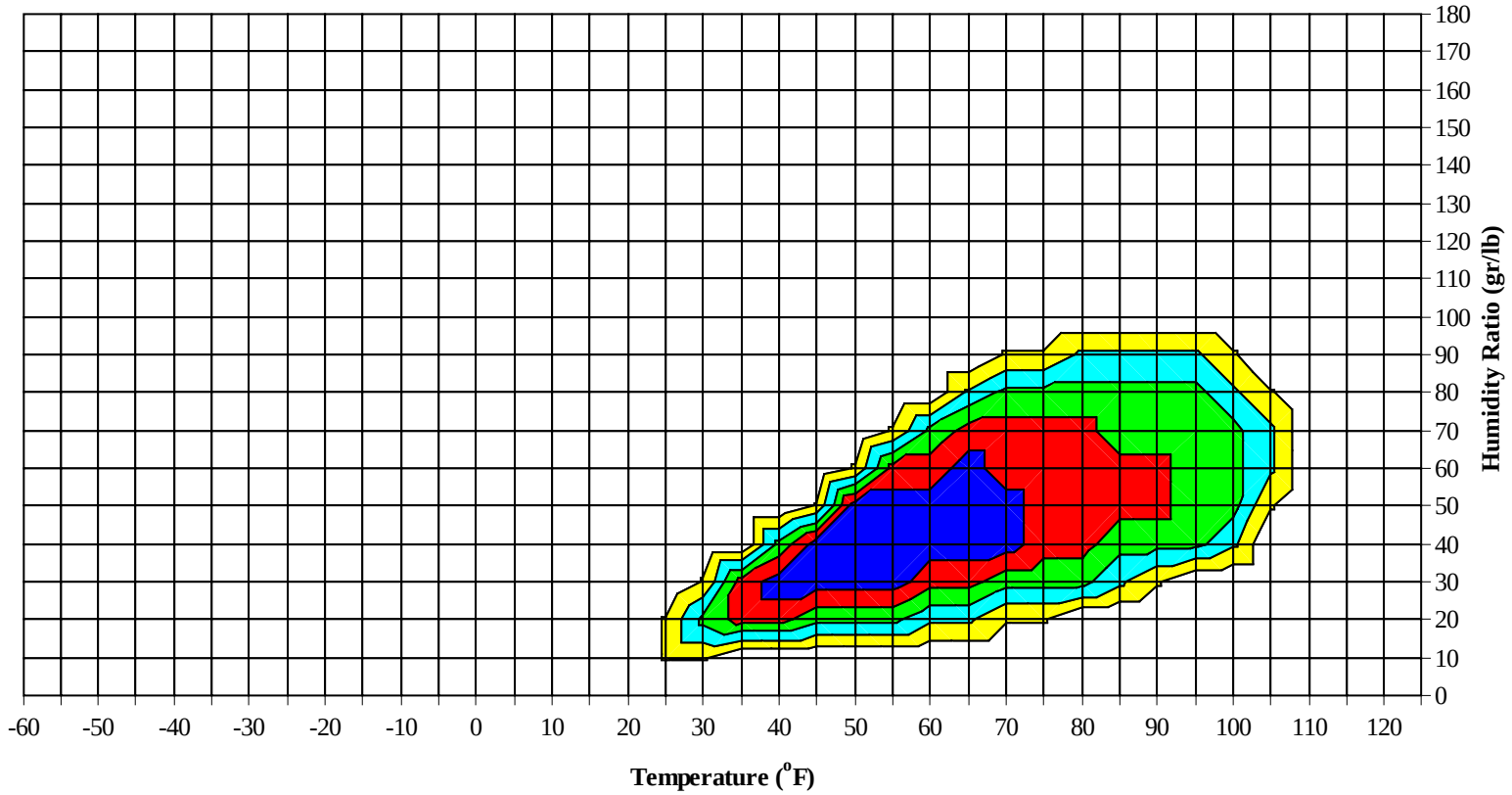
*Note: Temperatures at greater depths can be estimated by adding 1.5°F per 100 feet additional depth.

LEMOORE NAS/REEVES CA WMO No. 747020



LEMOORE NAS/REEVES CA WMO No. 747020

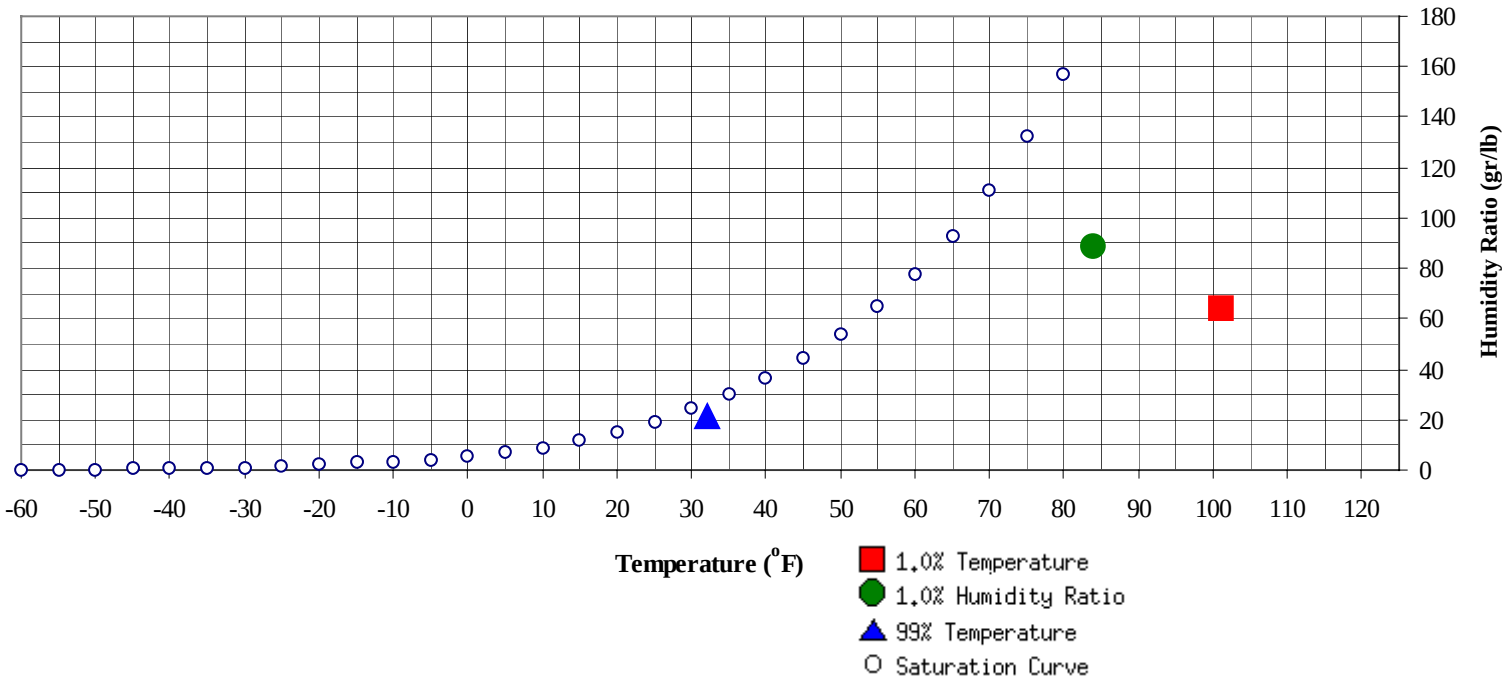
Long Term Psychrometric Summary



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

LEMOORE NAS/REEVES CA WMO No. 747020

Psychrometric Summary of Peak Design Values



	(°F)	MCHR (gr/lb)	Enthalpy (btu/lb)
99% Dry Bulb	32	21.7	11.0

	(gr/lb)	MCDB (°F)	MCWB (°F)	MC Dewpt (°F)	Enthalpy (btu/lb)
1.0% Humidity Ratio	88.9	83.9	70	63.4	34.1

	(°F)	MCHR (gr/lb)	MCWB (°F)	Enthalpy (btu/lb)
1.0% Dry Bulb	101	64.6	70.7	34.4

LEMOORE NAS/REEVES CA WMO No. 747020

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												1	0	1	64.0
80 / 84							0		0	60.6		5	1	6	61.7
75 / 79		0		0	56.5		4	1	5	59.6		18	4	22	60.2
70 / 74		2	0	2	58.2		13	3	16	58.4		33	11	44	58.0
65 / 69		9	1	10	56.0	0	28	8	36	56.4	0	47	21	68	55.7
60 / 64	1	25	7	33	54.1	2	46	23	71	53.9	5	59	39	103	53.2
55 / 59	6	44	23	73	51.2	14	59	46	119	51.2	31	51	60	142	50.7
50 / 54	25	57	48	130	47.8	40	42	59	141	48.1	63	25	56	144	47.5
45 / 49	47	52	69	168	43.9	59	23	51	133	44.1	69	7	37	113	43.6
40 / 44	63	39	62	164	39.8	56	7	26	88	39.7	52	1	17	70	39.4
35 / 39	59	16	30	105	35.6	42	1	6	49	35.2	23	0	3	26	35.2
30 / 34	35	3	8	46	30.9	11	0	1	12	30.9	5		0	5	31.3
25 / 29	12	0	1	13	26.1	1		0	1	26.5	0			0	27.0
20 / 24	1	0	0	1	21.6										
15 / 19															
10 / 14															
5 / 9															

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.

LEMOORE NAS/REEVES CA WMO No. 747020

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	71.9
105 / 109							0	0	0	71.0		5	1	6	71.4
100 / 104		0		0	72.3		4	1	5	69.2		19	7	26	69.9
95 / 99		1	0	1	66.1		15	5	20	66.8		30	13	43	67.8
90 / 94		5	1	6	64.6		26	10	36	64.9	0	43	20	63	66.1
85 / 89		13	4	17	62.4	0	36	16	52	63.1	2	46	28	76	64.3
80 / 84	0	26	8	34	60.3	2	46	24	72	60.7	7	41	34	82	62.5
75 / 79	0	36	15	51	58.2	7	42	33	82	58.9	16	30	42	88	60.5
70 / 74	2	45	23	70	56.1	14	38	40	92	56.8	35	18	43	96	58.4
65 / 69	7	47	33	87	53.8	31	24	42	97	54.6	59	6	30	95	56.0
60 / 64	21	38	43	103	51.6	52	12	38	102	52.2	65	1	15	81	53.4
55 / 59	48	20	46	115	49.2	63	3	26	92	49.5	40	0	5	45	50.2
50 / 54	64	7	38	109	46.2	51	0	11	62	46.4	15		1	16	46.9
45 / 49	55	1	20	77	43.0	22	0	2	24	42.7	2			2	43.7
40 / 44	31	0	7	38	39.4	6		1	7	39.3					
35 / 39	10		1	11	35.4	1			1	36.7					
30 / 34	1			1	32.2										
25 / 29															
20 / 24															
15 / 19															
10 / 14															
5 / 9															

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.

LEMOORE NAS/REEVES CA WMO No. 747020

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)				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		1	0	1	75.4		0		0	74.9	0	0		0	74.0
105 / 109		9	2	11	72.5		6	1	7	73.8	0	1	0	1	72.8
100 / 104		36	14	50	71.2		26	7	33	71.8	0	10	1	11	70.6
95 / 99		56	24	80	69.8		48	17	65	70.0	0	32	7	39	69.0
90 / 94	0	55	29	84	68.3	0	56	24	80	68.3	0	43	14	57	67.1
85 / 89	4	43	33	80	66.7	2	48	29	79	66.7	0	45	18	63	65.4
80 / 84	15	29	46	90	65.0	9	36	41	86	65.1	2	44	28	74	63.6
75 / 79	34	13	47	94	62.8	23	20	47	90	63.1	9	36	41	86	61.7
70 / 74	62	4	35	101	60.4	47	8	48	103	60.8	25	20	51	96	59.5
65 / 69	68	1	15	84	57.9	68	1	28	97	58.3	53	9	45	107	57.2
60 / 64	47	0	2	49	54.7	70	0	6	76	55.4	75	2	26	103	54.3
55 / 59	17		0	17	51.3	26		0	26	52.3	51	0	9	60	50.8
50 / 54	2		0	2	48.2	3			3	48.3	20		1	21	47.0
45 / 49											4		0	4	42.6
40 / 44											0			0	38.6
35 / 39															
30 / 34															
25 / 29															
20 / 24															
15 / 19															
10 / 14															
5 / 9															

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.

LEMOORE NAS/REEVES CA WMO No. 747020

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		1		1	67.6										
95 / 99		6	0	6	66.7										
90 / 94		13	1	14	64.9										
85 / 89		27	5	32	63.2		0		0	57.0					
80 / 84	0	44	9	53	61.5		5		5	60.3					
75 / 79	0	49	20	69	59.6		15	1	16	58.9		0		0	56.7
70 / 74	3	45	31	79	57.6		29	4	33	57.2		2		2	57.7
65 / 69	14	37	47	98	55.3	0	40	13	53	54.6		8	0	8	55.0
60 / 64	43	19	57	119	53.0	5	51	26	82	52.6	0	24	3	27	52.8
55 / 59	62	6	43	111	49.7	16	49	47	112	50.2	6	48	19	73	50.5
50 / 54	66	1	24	91	45.9	44	32	60	137	47.0	19	60	44	123	47.4
45 / 49	40		9	49	41.9	62	13	50	125	42.9	39	49	61	149	43.7
40 / 44	16		1	17	38.1	53	4	28	85	38.3	56	36	67	158	39.6
35 / 39	3		0	3	33.3	38	1	10	49	34.1	65	18	40	123	35.2
30 / 34	0			0	29.3	18	0	2	20	30.2	46	4	11	61	30.5
25 / 29						3		0	3	25.7	15	0	2	17	25.8
20 / 24											2	0	0	2	20.8
15 / 19											1	0	0	1	15.7
10 / 14											0	0	0	0	
5 / 9												0	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.

LEMOORE NAS/REEVES CA WMO No. 747020

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

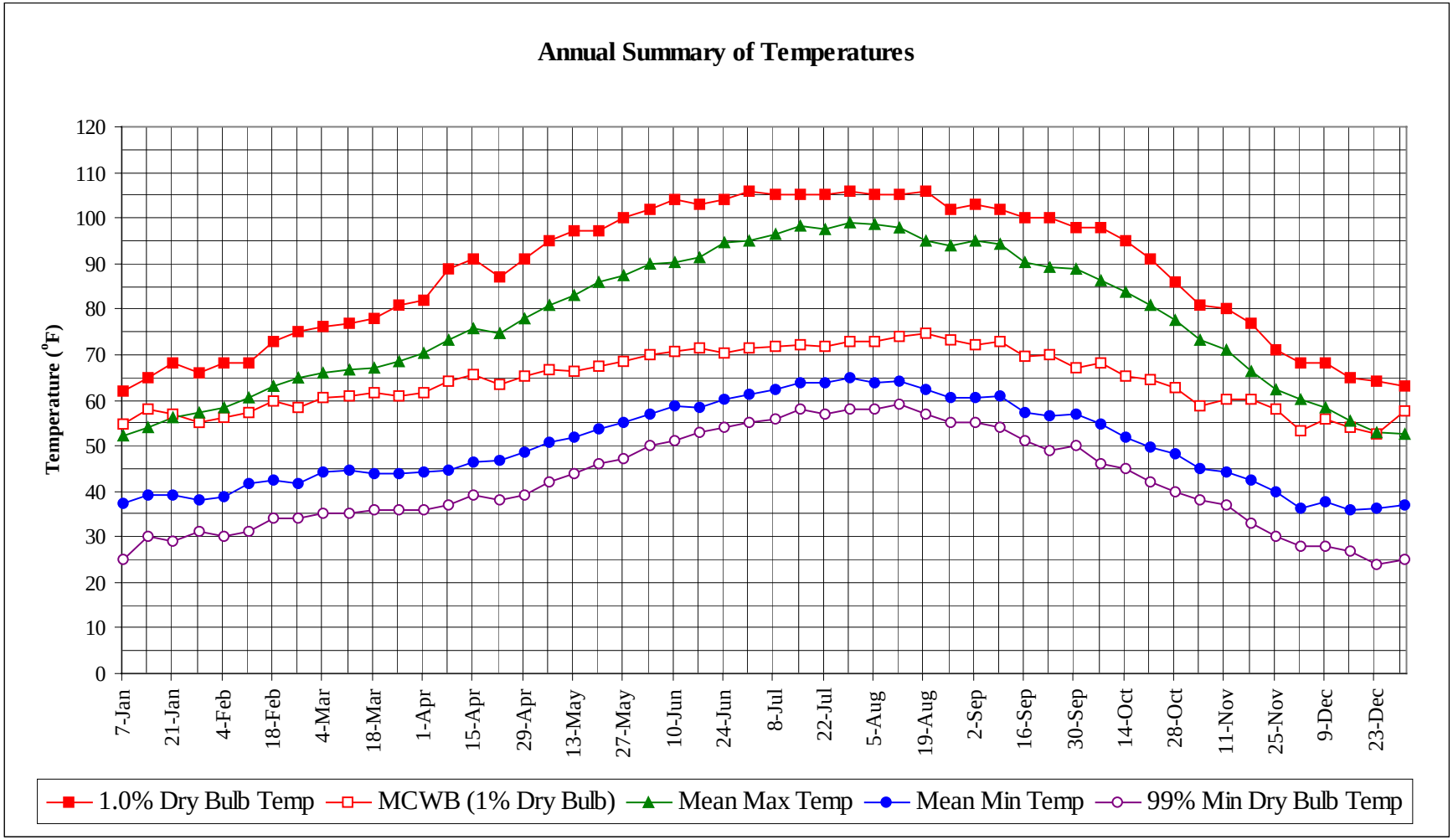
Period of Record = 1967 to 1996

Annual Totals

Temperature Range (°F)	Hour Group (LST) 01 To 08	09 To 16	17 To 00	Total Obs	MCWB (°F)
110 / 114	0	1	0	1	74.6
105 / 109	0	21	5	26	72.5
100 / 104	0	96	30	126	70.9
95 / 99	0	189	67	256	69.1
90 / 94	1	241	100	342	67.1
85 / 89	8	259	133	400	65.1
80 / 84	36	276	191	503	63.0
75 / 79	90	263	250	603	60.8
70 / 74	188	258	289	735	58.6
65 / 69	302	257	281	840	56.0
60 / 64	385	278	285	948	53.3
55 / 59	380	280	326	986	50.4
50 / 54	409	226	344	979	47.2
45 / 49	399	144	299	842	43.5
40 / 44	333	86	207	626	39.4
35 / 39	241	36	89	366	35.2
30 / 34	114	7	21	142	30.7
25 / 29	31	1	4	36	25.9
20 / 24	4	0	0	4	21.1
15 / 19	1	0	0	1	15.7
10 / 14	0	0	0	0	
5 / 9		0	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.

LEMOORE NAS/REEVES CA WMO No. 747020



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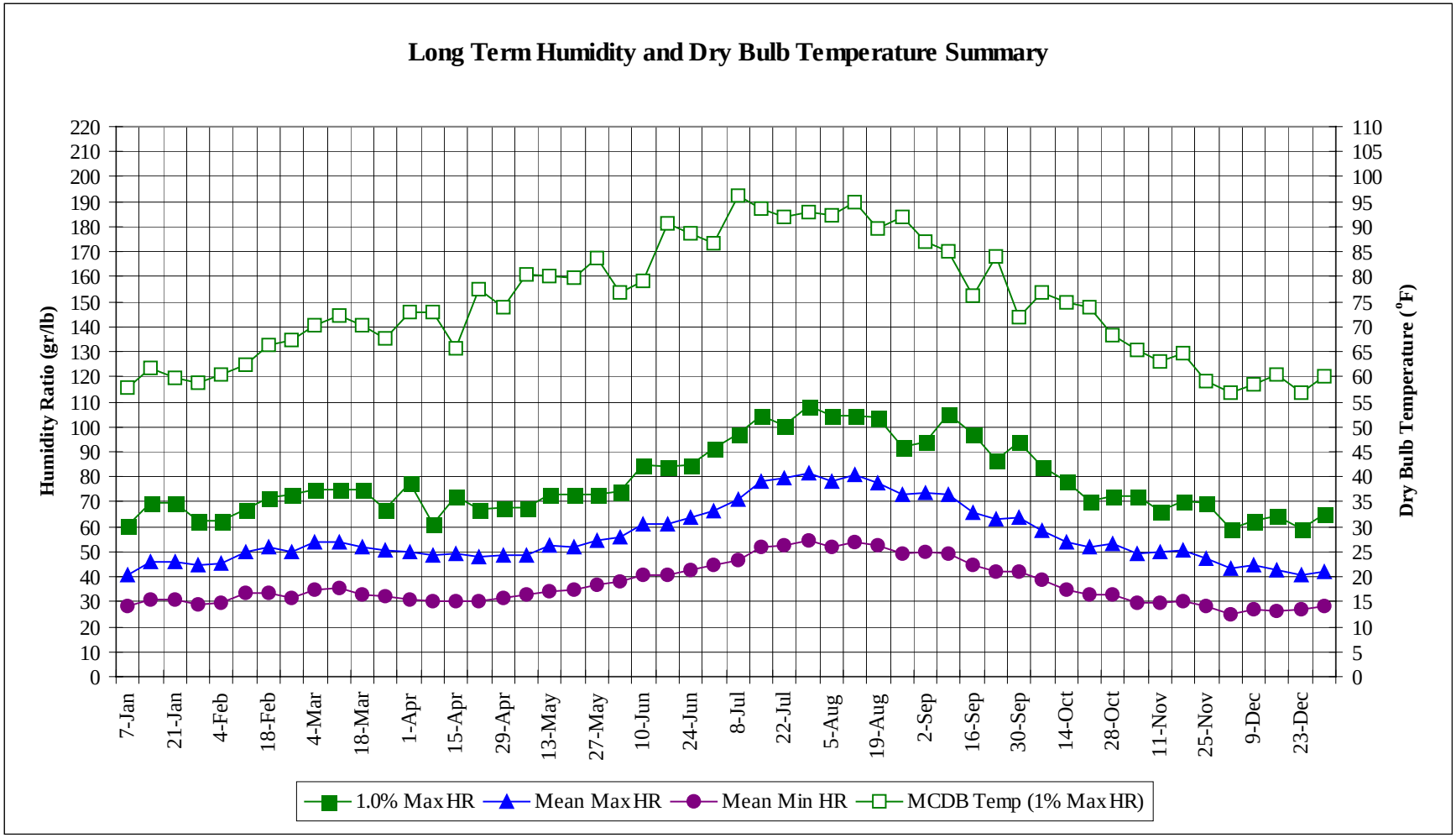
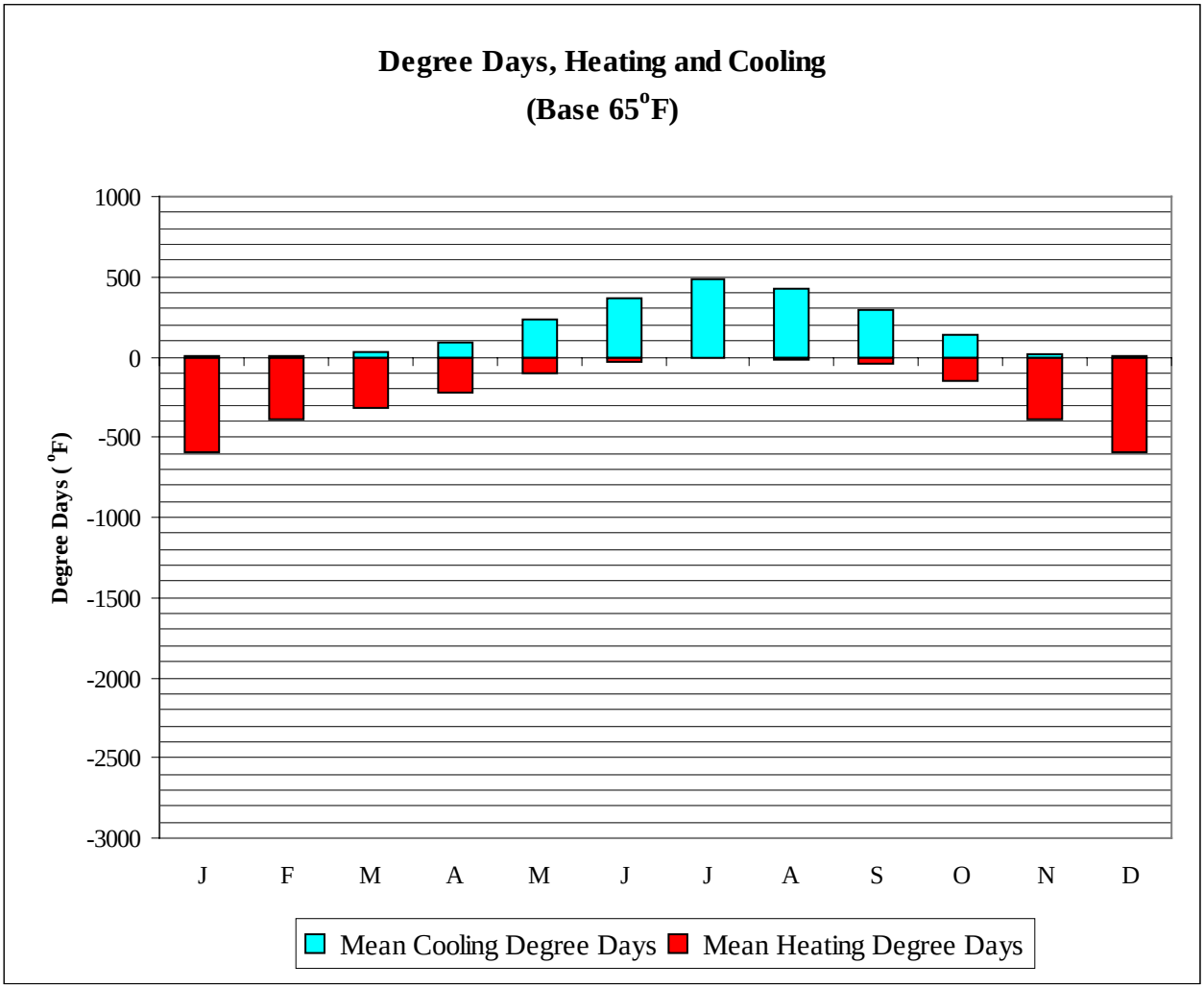


LEMOORE NAS/REEVES CA WMO No. 747020

Long Term Dry Bulb Temperature and Humidity Summary

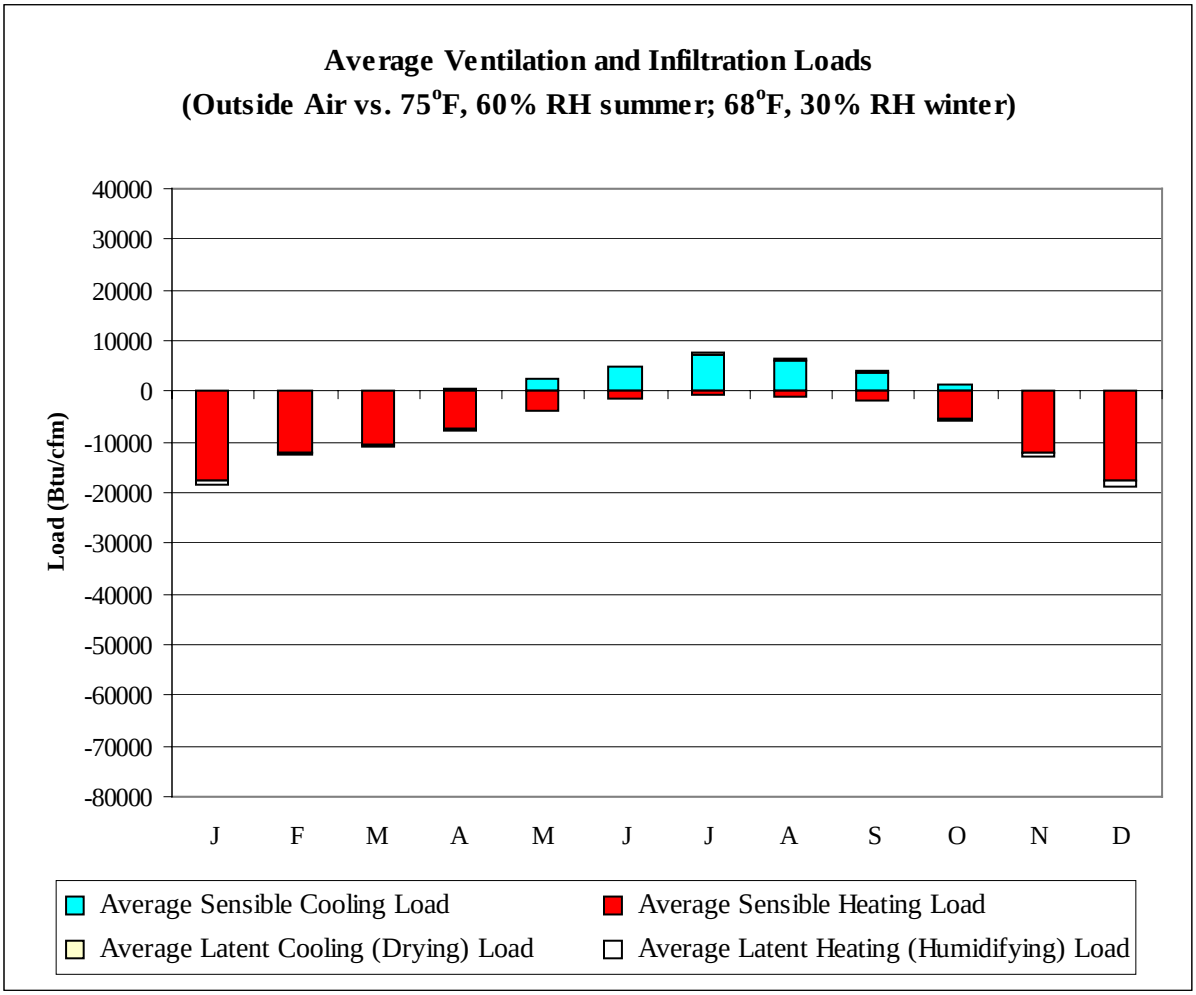
Week Ending	1.0% Temp (°F)	MCWB @ 1% Temp (°F)	Mean Max Temp (°F)	Mean Min Temp (°F)	99% Temp (°F)	1.0% HR (gr/lb)	MCDB @ 1% HR (°F)	Mean Max HR (gr/lb)	Mean Min HR (gr/lb)
7-Jan	62.0	54.7	52.1	37.3	25.0	60.2	57.9	41.0	28.0
14-Jan	65.0	57.8	54.2	39.3	30.0	69.3	61.8	45.9	30.8
21-Jan	68.0	57.0	56.2	39.2	29.0	69.3	59.7	45.9	30.7
28-Jan	66.0	55.0	57.4	38.1	31.0	62.3	58.7	44.8	28.7
4-Feb	68.0	56.1	58.4	38.9	30.0	62.3	60.3	45.6	29.5
11-Feb	68.0	57.3	60.4	41.6	31.0	67.2	62.4	50.1	33.4
18-Feb	73.0	59.9	63.2	42.6	34.0	71.4	66.4	51.9	33.5
25-Feb	75.0	58.4	65.0	41.8	34.0	72.8	67.4	50.0	31.5
4-Mar	76.0	60.4	66.0	44.3	35.0	74.9	70.2	53.7	34.7
11-Mar	77.0	61.0	66.6	44.7	35.0	74.9	72.1	53.6	35.2
18-Mar	78.0	61.5	67.1	44.0	36.0	74.9	70.1	51.7	33.0
25-Mar	81.0	60.9	68.7	44.0	36.0	67.2	67.6	50.6	32.3
1-Apr	82.0	61.7	70.3	44.3	36.0	77.7	72.8	49.6	30.7
8-Apr	89.0	64.0	73.1	44.7	37.0	60.9	72.9	48.6	30.0
15-Apr	91.0	65.6	75.6	46.6	39.0	72.1	65.6	49.5	30.5
22-Apr	87.0	63.5	74.9	46.8	38.0	67.2	77.4	48.2	30.1
29-Apr	91.0	65.1	78.0	48.7	39.0	67.9	73.8	48.8	31.3
6-May	95.0	66.8	81.0	50.6	42.0	67.9	80.3	48.8	32.9
13-May	97.0	66.3	83.1	52.0	44.0	72.8	80.3	52.6	34.2
20-May	97.0	67.4	85.8	53.7	46.0	72.8	79.7	52.1	34.7
27-May	100.0	68.7	87.3	55.2	47.0	72.8	83.9	54.2	36.8
3-Jun	102.0	70.0	89.8	56.9	50.0	74.2	76.7	55.9	38.1
10-Jun	104.0	70.6	90.4	58.8	51.0	84.7	79.1	60.8	40.9
17-Jun	103.0	71.3	91.4	58.4	53.0	84.0	90.7	60.9	41.0
24-Jun	104.0	70.3	94.5	60.2	54.0	84.7	88.8	63.8	43.0
1-Jul	106.0	71.6	95.1	61.4	55.0	91.0	86.8	66.5	44.5
8-Jul	105.0	71.8	96.4	62.5	56.0	97.3	96.4	71.2	46.7
15-Jul	105.0	72.2	98.2	63.8	58.0	104.3	93.6	77.9	51.6
22-Jul	105.0	71.9	97.5	63.9	57.0	100.8	92.0	79.4	52.2
29-Jul	106.0	72.8	99.1	64.8	58.0	108.5	92.8	81.4	54.2
5-Aug	105.0	72.8	98.5	63.7	58.0	104.3	92.3	78.2	52.0
12-Aug	105.0	74.1	97.9	64.3	59.0	104.3	95.0	81.0	54.1
19-Aug	106.0	74.6	94.8	62.5	57.0	103.6	89.6	77.6	52.5
26-Aug	102.0	73.1	93.9	60.4	55.0	91.7	92.0	72.9	49.6
2-Sep	103.0	72.1	94.9	60.6	55.0	93.8	87.1	73.8	49.9
9-Sep	102.0	73.0	94.1	60.8	54.0	105.0	85.0	73.1	49.1
16-Sep	100.0	69.6	90.3	57.5	51.0	97.3	76.2	65.9	45.0
23-Sep	100.0	69.9	89.0	56.7	49.0	86.8	84.0	63.2	41.8
30-Sep	98.0	67.1	88.7	56.9	50.0	93.8	72.0	63.6	42.2
7-Oct	98.0	68.0	86.4	54.6	46.0	84.0	77.0	58.5	38.9
14-Oct	95.0	65.1	83.6	51.9	45.0	78.4	74.9	53.7	34.7
21-Oct	91.0	64.4	81.0	49.5	42.0	70.0	73.9	52.0	32.7
28-Oct	86.0	62.7	77.7	48.3	40.0	72.1	68.2	53.5	32.9
4-Nov	81.0	58.9	73.4	45.0	38.0	72.1	65.3	49.3	29.8
11-Nov	80.0	60.4	70.9	44.1	37.0	66.5	63.1	49.8	29.6
18-Nov	77.0	60.2	66.4	42.4	33.0	70.0	64.6	50.3	30.0
25-Nov	71.0	58.0	62.2	39.9	30.0	69.3	59.0	47.0	28.2
2-Dec	68.0	53.2	60.3	36.3	28.0	58.8	56.8	43.2	24.8
9-Dec	68.0	55.7	58.4	37.7	28.0	62.3	58.4	45.0	27.2
16-Dec	65.0	54.0	55.5	36.0	27.0	64.4	60.3	42.9	26.1
23-Dec	64.0	52.5	53.0	36.2	24.0	58.8	56.9	40.8	26.6
31-Dec	63.0	57.5	52.6	37.1	25.0	65.1	60.2	41.8	28.2

LEMOORE NAS/REEVES CA WMO No. 747020



	Mean Cooling Degree Days (°F)	Mean Heating Degree Days (°F)
JAN	1	589
FEB	9	387
MAR	30	323
APR	94	216
MAY	231	100
JUN	360	33
JUL	484	11
AUG	423	18
SEP	299	46
OCT	141	150
NOV	22	384
DEC	1	595
ANN	2095	2852

LEMOORE NAS/REEVES CA WMO No. 747020



	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	-17651	2	-819
FEB	9	-12111	1	-427
MAR	83	-10425	10	-457
APR	720	-7183	2	-545
MAY	2633	-3637	3	-202
JUN	4894	-1438	77	-53
JUL	7179	-610	574	-3
AUG	6003	-919	426	-1
SEP	3791	-1932	257	-51
OCT	1312	-5244	21	-397
NOV	59	-12024	1	-977
DEC	0	-17713	2	-1163
ANN	26683	-90887	1376	-5095

Average Annual Solar Radiation – Nearest Available Site

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

City: FRESNO
State: CA
WBAN No: 93193
Lat(N): 36.77
Long(W): 119.72
Elev(ft): 328

Stn Type: Primary
SHADING GEOMETRY IN DIMENSIONLESS UNITS
Window: 1
Overhang: 0.442
Vert Gap: 0.301

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	1020	1480	1980	2390	2560	2550	2280	1860	1370	850	590	1640
	Std Dev	82	115	143	150	108	79	67	84	93	59	104	84	49
	Minimum	530	810	1180	1610	2090	2350	2410	2000	1660	1240	620	440	1500
	Maximum	860	1240	1740	2190	2550	2740	2650	2400	1990	1450	1010	820	1720
	Diffuse	400	490	600	670	670	630	540	530	490	450	400	350	520
Clear Day	Global	970	1320	1800	2280	2590	2700	2630	2360	1950	1450	1040	870	1830
NORTH	Global	230	300	380	470	600	690	650	490	390	330	250	200	420
	Diffuse	230	300	380	460	510	520	500	450	390	330	250	200	380
Clear Day	Global	220	280	360	440	590	690	650	480	370	300	230	200	400
EAST	Global	390	610	900	1150	1340	1410	1420	1310	1110	860	530	350	950
	Diffuse	270	370	480	580	620	620	590	560	500	420	310	240	460
Clear Day	Global	670	870	1130	1340	1460	1480	1470	1370	1190	940	710	610	1100
SOUTH	Global	880	1170	1270	1150	940	810	860	1100	1400	1510	1160	830	1090
	Diffuse	390	480	560	580	560	540	510	520	530	520	430	360	500
Clear Day	Global	1750	1820	1710	1340	980	820	880	1160	1550	1780	1760	1690	1440
WEST	Global	440	640	890	1140	1300	1390	1400	1300	1110	850	550	400	950
	Diffuse	280	370	490	580	630	630	590	570	500	420	310	250	470
Clear Day	Global	670	870	1130	1340	1460	1480	1470	1370	1190	940	710	610	1100

Average Annual Solar Heat and Illumination – Nearest Available Site

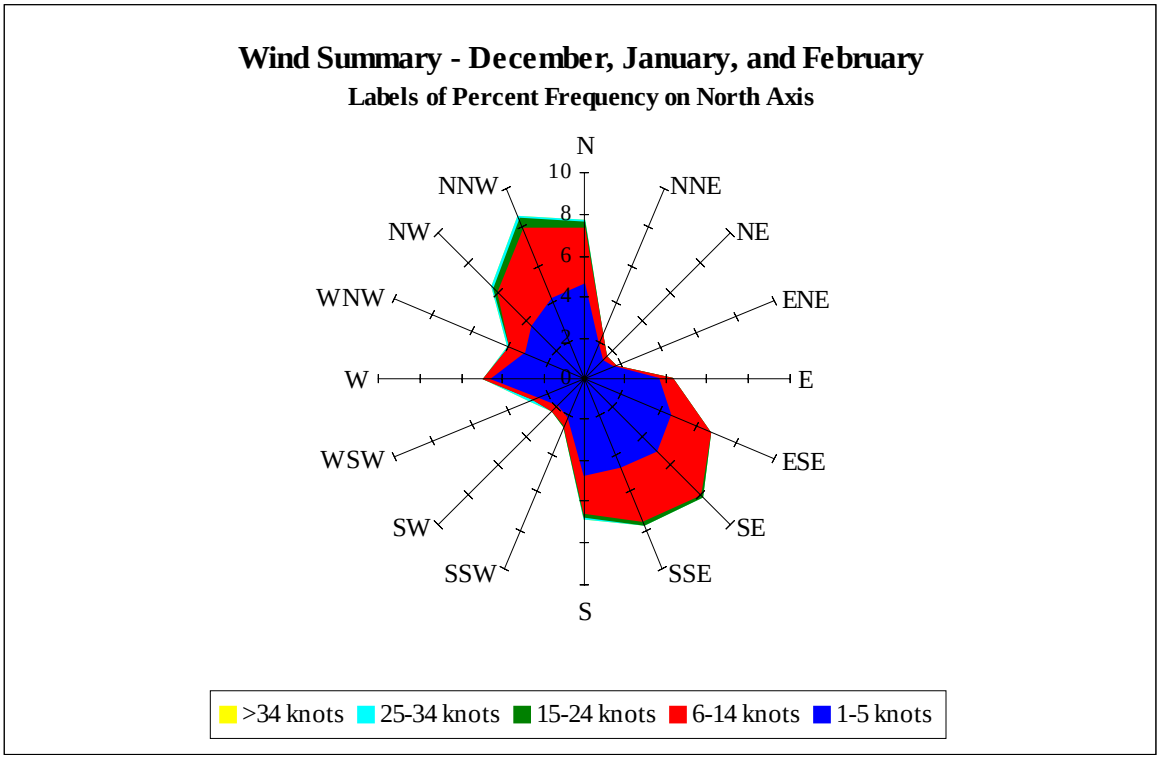
(Source: National Renewable Energy Laboratory, Golden CO, 1995)

AVERAGE TRANSMITTED SOLAR RADIATION (Btu/sq.ft./day) FOR DOUBLE GLAZING, Percentage Uncertainty = 9

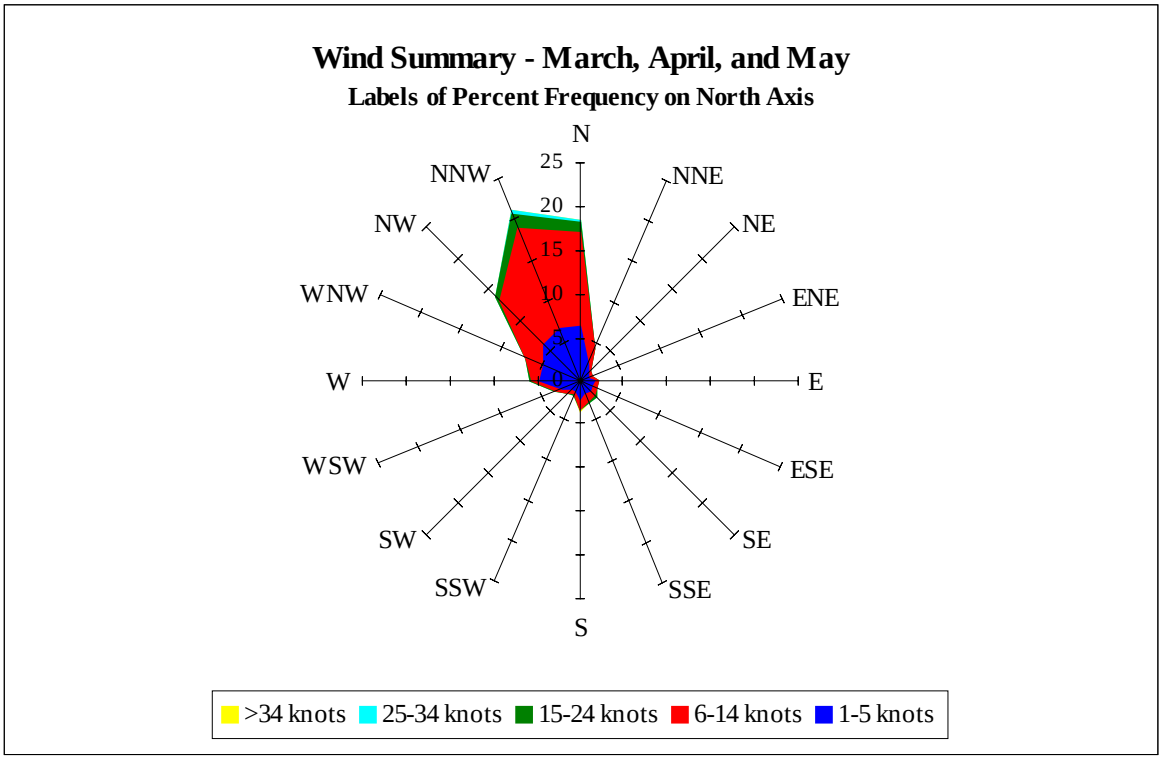
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
HORIZ	Unshaded	450	710	1060	1440	1750	1890	1880	1670	1350	960	580	390	1180
NORTH	Unshaded	160	210	270	320	380	430	400	320	270	230	170	140	270
	Shaded	140	190	240	300	350	400	370	300	250	210	160	130	250
EAST	Unshaded	270	420	630	820	960	1000	1020	930	790	600	360	240	670
	Shaded	240	380	570	730	850	880	900	830	710	550	330	220	600
SOUTH	Unshaded	650	850	870	720	550	460	480	650	920	1080	860	620	730
	Shaded	630	790	710	490	360	350	340	400	680	970	840	600	590
WEST	Unshaded	310	450	630	810	930	990	1000	930	790	600	380	270	670
	Shaded	280	410	570	730	820	870	880	820	710	540	350	250	600

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

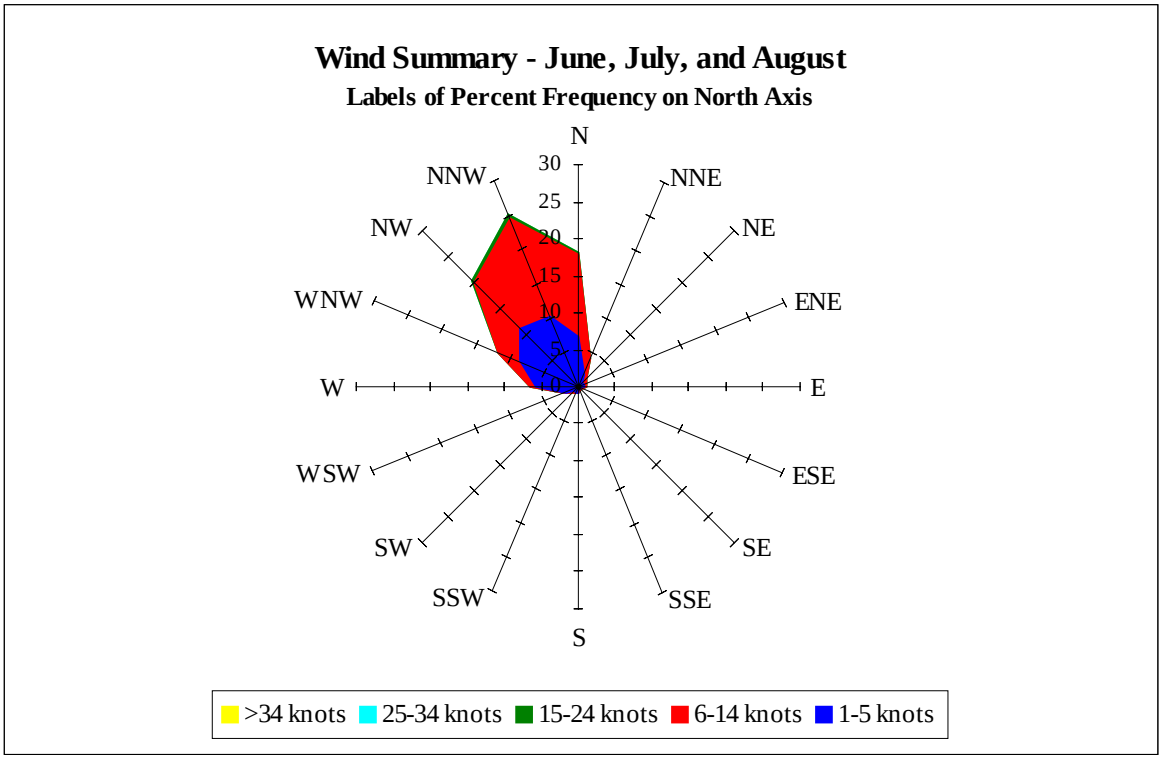
		March					June				
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	43	77	86	67	26	50	88	107	101	71
	M.Cloudy	28	54	61	48	18	38	73	89	82	56
NORTH	M.Clear	11	15	16	14	8	20	16	17	17	15
	M.Cloudy	10	17	18	15	7	17	18	19	19	16
EAST	M.Clear	73	56	16	14	8	82	73	30	17	15
	M.Cloudy	35	37	18	15	7	51	58	29	19	16
SOUTH	M.Clear	39	71	79	61	23	12	29	43	38	16
	M.Cloudy	22	45	51	40	14	12	27	39	34	17
WEST	M.Clear	11	15	26	68	60	12	16	17	55	83
	M.Cloudy	10	17	23	43	29	12	18	19	47	60
M.Clear	(% hrs)	48	45	41	42	45	80	78	81	80	79
		Sept					Dec				
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	31	72	91	83	49	17	44	50	29	2
	M.Cloudy	22	55	69	63	34	10	25	29	19	2
NORTH	M.Clear	9	15	16	16	12	6	12	12	9	1
	M.Cloudy	8	16	18	17	12	5	11	12	8	1
EAST	M.Clear	67	71	27	16	12	37	37	12	9	1
	M.Cloudy	34	49	25	17	12	9	17	12	8	1
SOUTH	M.Clear	21	57	74	67	36	35	75	82	53	4
	M.Cloudy	14	42	54	50	24	9	26	31	21	2
WEST	M.Clear	9	15	16	57	77	6	12	24	44	6
	M.Cloudy	8	16	18	43	43	5	11	15	18	2
M.Clear	(% hrs)	82	81	82	82	82	25	25	29	35	37



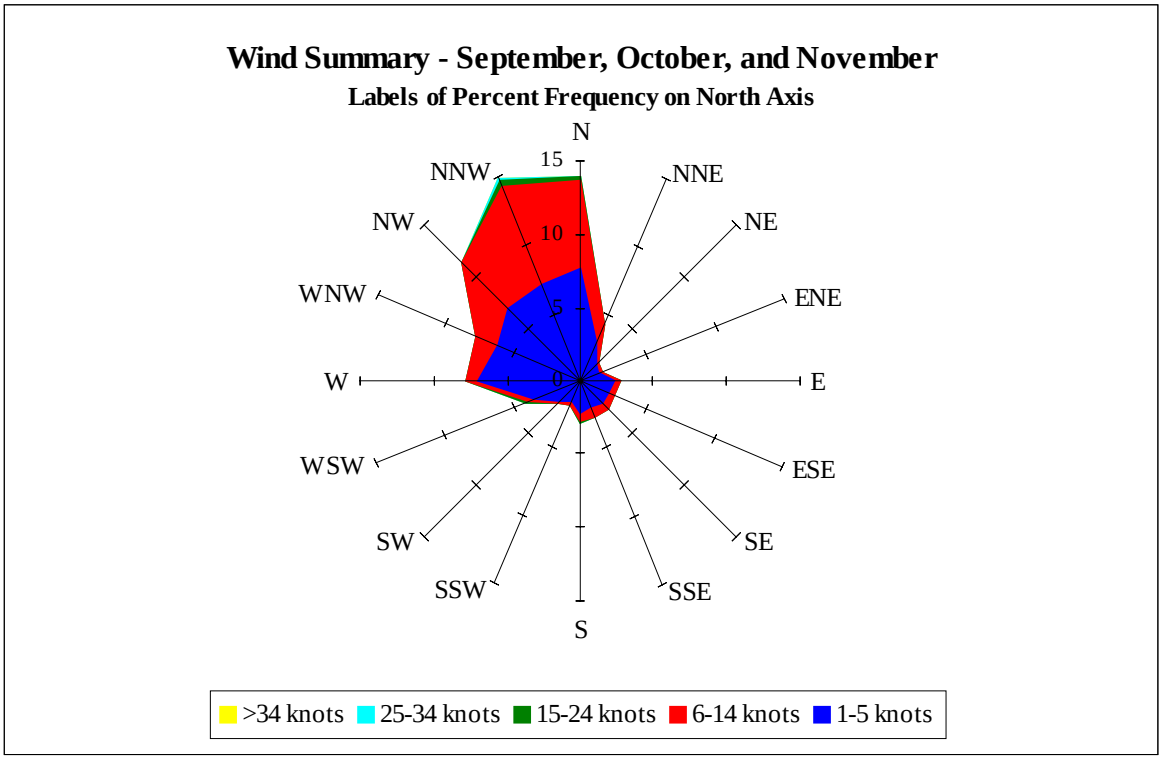
Percent Calm = 22.39



Percent Calm = 8.33



Percent Calm = 4.48



Percent Calm = 15.29