

PASO ROBLES CA

Latitude = 35.67 N

Longitude = 120.60 W

Period of Record = 1973 to 1996

WMO No. 723965

Elevation = 837 feet

Average Pressure = 29.10 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	70	53	9.0	NW
0.4% Occurrence	102	68	51	9.9	NW
1.0% Occurrence	98	67	51	10.1	NW
2.0% Occurrence	95	66	50	10.6	SSW
Mean Daily Range	32	-	-	-	-
97.5% Occurrence	32	31	23	2.4	E
99.0% Occurrence	29	28	20	2.1	E
99.6% Occurrence	26	25	17	2.0	E
Median of Extreme Lows	22	21	13	2.2	E
	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	74	101	82	10.0	SSW
0.4% Occurrence	70	97	68	10.9	SSW
1.0% Occurrence	68	93	63	10.8	SSW
2.0% Occurrence	67	92	61	10.7	SSW
	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	80	0.65	10.3	SW
0.4% Occurrence	81	76	0.52	9.7	SSW
1.0% Occurrence	74	74	0.49	10.0	SSW
2.0% Occurrence	71	73	0.47	9.6	S
Air Conditioning/ Humid Area Criteria	# of Hours	T ≥ 93°F	T ≥ 80°F	T _{wb} ≥ 73°F	T _{wb} ≥ 67°F
		259	966	5	199

Other Site Data

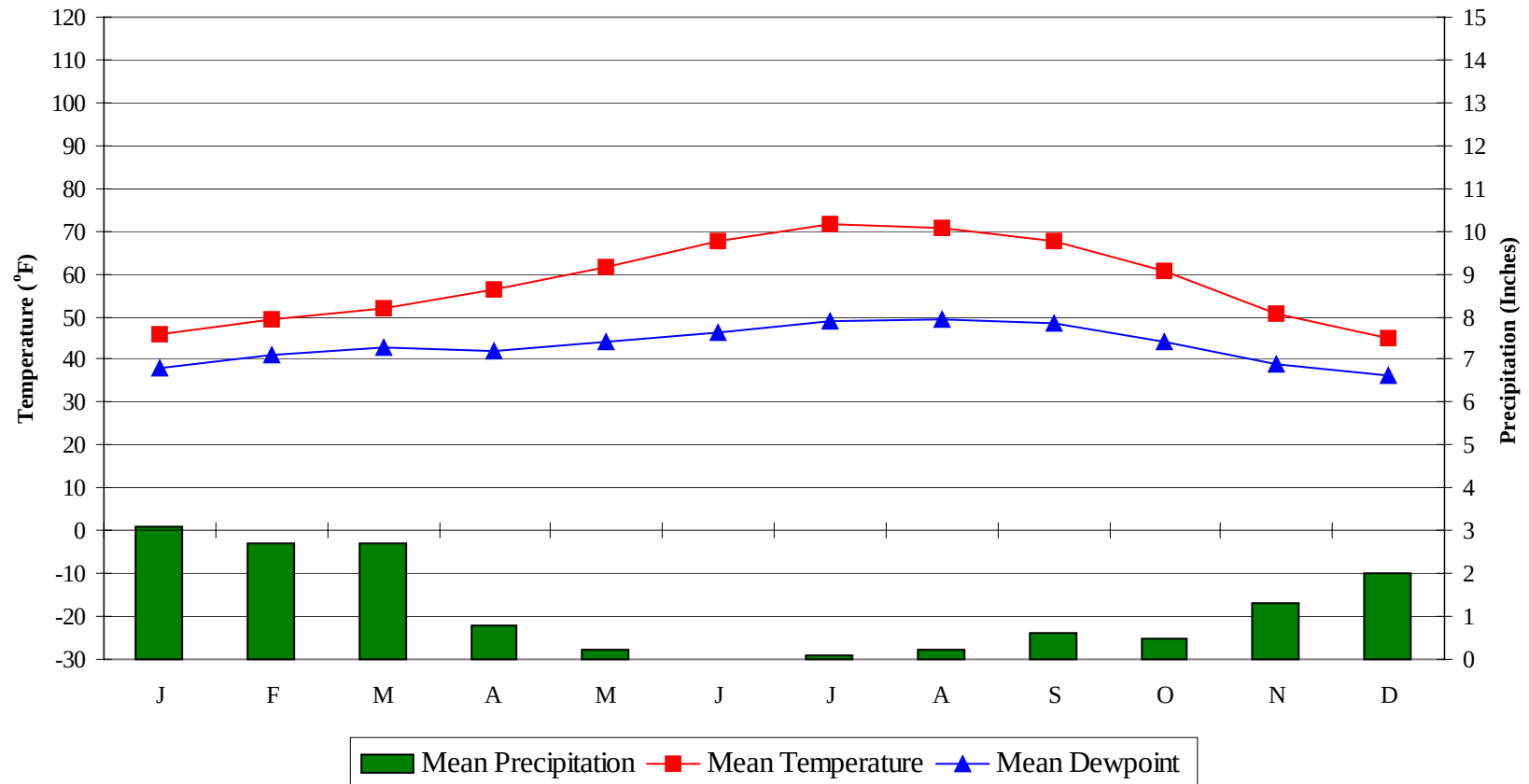
Weather Region	Rain Rate 100 Year Recurrence (in./hr)	Basic Wind Speed 3 sec gust @ 33 ft 50 Year Recurrence (mph)	Ventilation Cooling Load Index (Ton-hr/cfm/yr) Base 75°F-RH 60% Latent + Sensible
8	1.5	85	0.0 + 1.2
Ground Water Temperature (°F) 50 Foot Depth *	Frost Depth 50 Year Recurrence (in.)	Ground Snow Load 50 Year Recurrence (lb/ft ²)	Average Annual Freeze-Thaw Cycles (#)
60.8	N/A	N/A	38

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

PASO ROBLES CA

WMO No. 723965

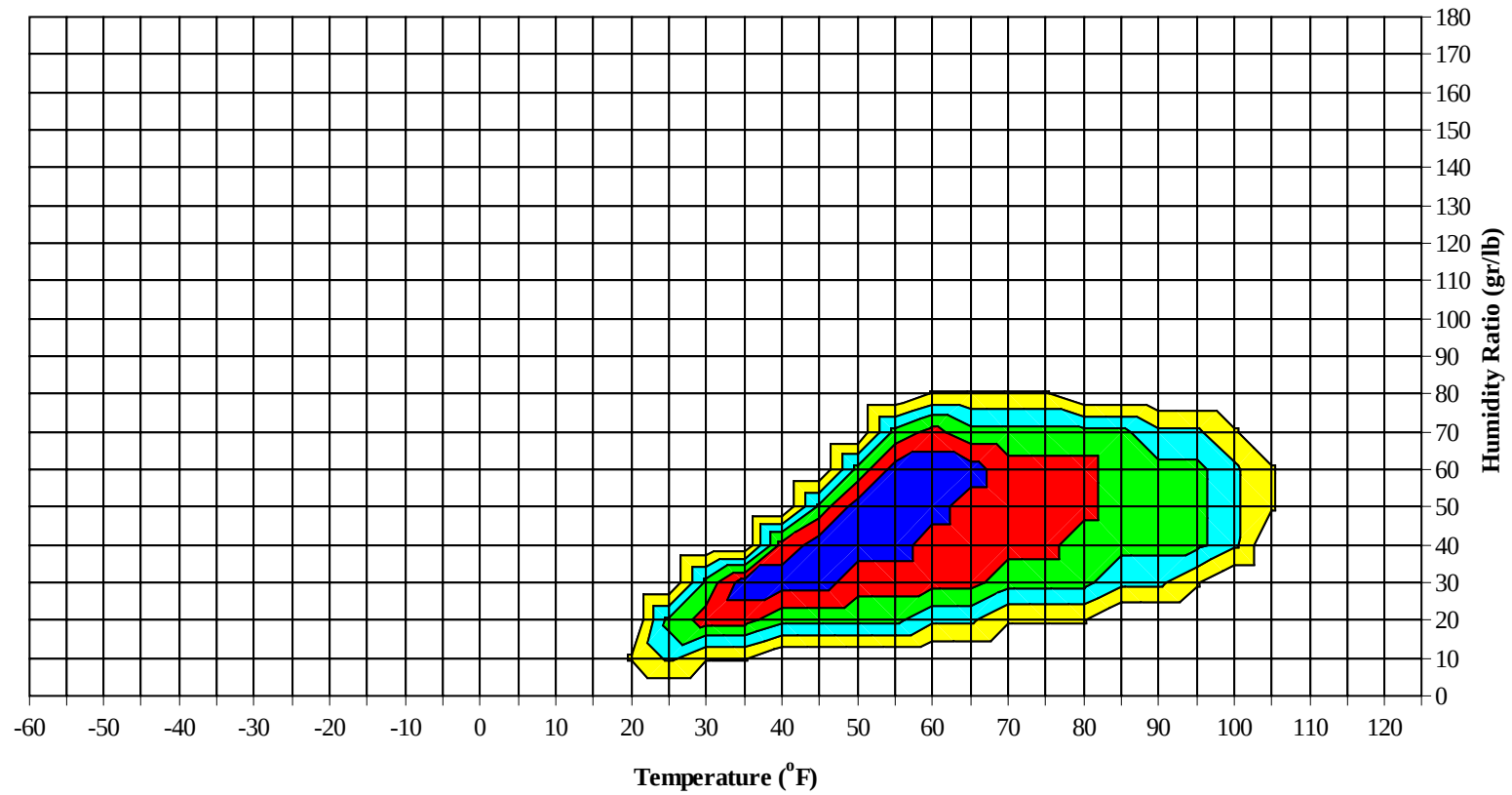
Average Annual Climate



PASO ROBLES CA

WMO No. 723965

Long Term Psychrometric Summary

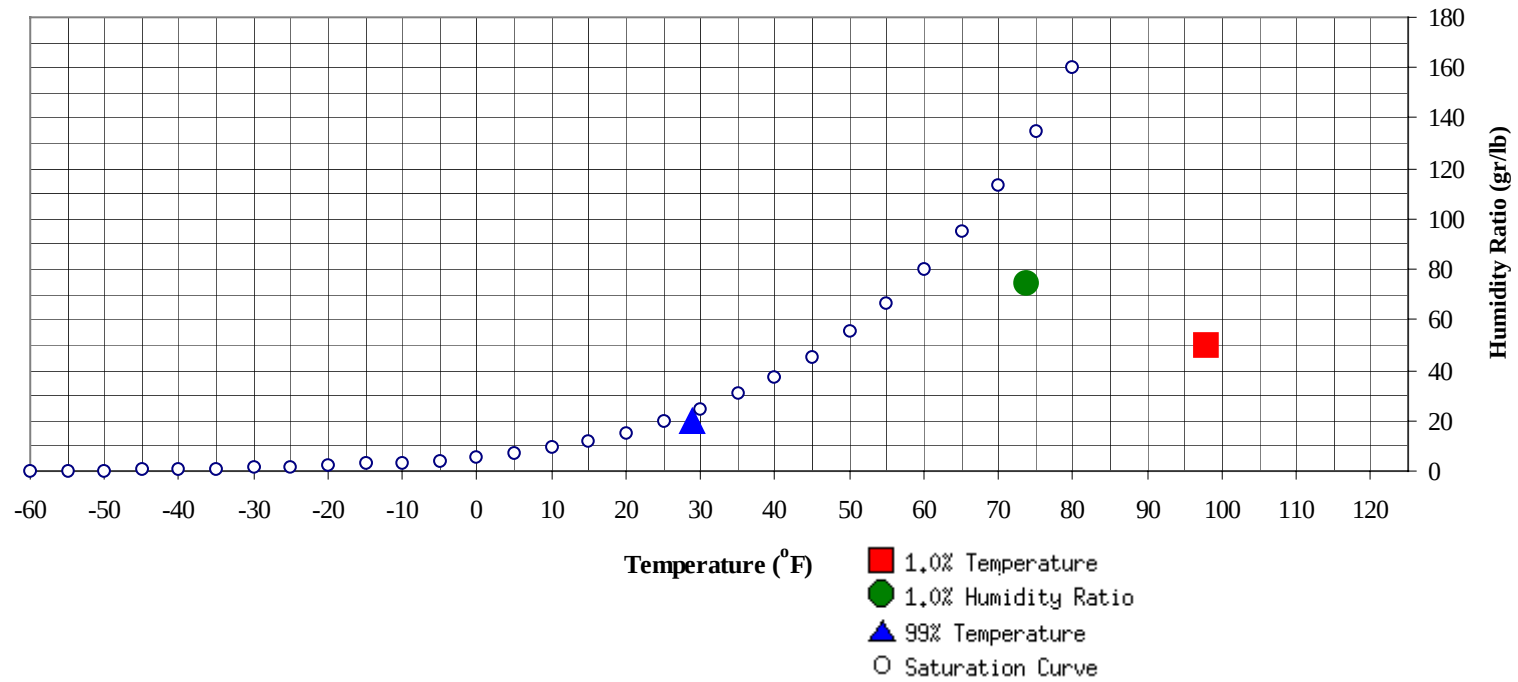


- 50% of all observations
- 80% of all observations
- 95% of all observations
- 97.5% of all observations
- 99% of all observations

PASO ROBLES CA

WMO No. 723965

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)
	29	19.5	10.0		74.2	73.7	63.5	57.9	29.3

1.0% Dry Bulb	(°F)	MCHR (gr/lb)	MCWB (°F)	Enthalpy (btu/lb)
	98	50.2	66.7	31.4

PASO ROBLES CA

WMO No. 723965

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		
110 / 114															
105 / 109															
100 / 104															
95 / 99															
90 / 94															
85 / 89															
80 / 84		0		0	56.0		0		0	56.4		0		0	62.0
75 / 79		1	0	1	53.9		5	1	6	58.5		9	2	11	58.9
70 / 74		6	1	7	54.3		12	3	15	56.9		19	6	25	56.9
65 / 69		13	2	15	53.1		21	6	27	54.8	0	32	11	43	55.3
60 / 64	0	31	8	39	52.1	0	36	14	50	53.1	0	49	23	72	53.0
55 / 59	7	53	27	87	50.7	7	55	40	102	51.3	7	62	48	117	51.1
50 / 54	17	54	53	124	47.6	28	43	62	133	48.3	43	47	73	164	48.4
45 / 49	32	41	64	137	43.9	43	27	50	120	44.5	69	22	55	145	44.8
40 / 44	47	26	54	127	39.8	53	16	32	101	40.1	67	5	25	96	40.4
35 / 39	52	14	28	94	35.3	46	6	13	65	35.6	42	0	5	47	35.8
30 / 34	61	6	11	78	30.7	36	1	3	40	31.0	17		1	18	31.1
25 / 29	27	1	1	29	26.4	10	0	0	10	26.6	3			3	26.1
20 / 24	4	0	0	4	21.3	1		0	1	21.8	0			0	22.6
15 / 19	1			1	16.2	0			0	18.0					
10 / 14	0			0	12.0										
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.

PASO ROBLES CA

WMO No. 723965

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		
110 / 114												0		0	69.0
105 / 109												2	0	2	69.4
100 / 104							1	0	1	66.6		8	1	9	67.1
95 / 99		1	0	1	64.7		5	1	6	65.7		17	4	21	65.5
90 / 94		3	0	3	63.5		14	3	17	64.0		28	7	35	63.9
85 / 89		9	2	11	61.4		21	5	26	62.5		33	11	44	62.4
80 / 84		16	4	20	59.6		30	9	39	60.4		37	16	53	61.1
75 / 79		25	8	33	57.8	0	36	15	51	58.6	1	39	23	63	59.6
70 / 74		34	12	46	56.4	1	41	20	62	56.9	4	32	30	66	57.9
65 / 69	0	39	19	58	54.5	4	42	31	77	54.9	10	25	38	73	55.9
60 / 64	2	49	31	82	52.2	13	33	43	89	53.0	28	16	43	87	53.9
55 / 59	9	39	50	98	50.3	35	20	53	108	50.8	70	5	47	122	51.7
50 / 54	48	21	66	135	47.9	82	6	50	138	48.0	94	0	18	112	48.6
45 / 49	76	5	37	118	44.3	77	0	16	93	44.5	29		1	30	44.7
40 / 44	64	1	10	75	40.3	29	0	1	30	40.1	3			3	40.4
35 / 39	32	0	1	33	35.7	7		0	7	35.9	0			0	36.7
30 / 34	8		0	8	31.4	1			1	31.9					
25 / 29	0			0	28.0										
20 / 24															
15 / 19															
10 / 14															
5 / 9															

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PASO ROBLES CA

WMO No. 723965

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		
110 / 114		0	0	0	68.9		0		0	71.7		0		0	73.3
105 / 109		4	1	5	69.4		5	1	6	69.9		1	0	1	71.2
100 / 104		16	2	18	67.9		14	2	16	68.3		7	1	8	67.8
95 / 99		31	6	37	66.8		25	5	30	66.7		19	3	22	66.2
90 / 94		39	11	50	65.2		40	9	49	65.3		30	6	36	64.7
85 / 89		40	17	57	63.8		40	15	55	64.1		30	10	40	63.5
80 / 84	0	39	23	62	62.4	0	36	22	57	62.5		34	16	50	62.2
75 / 79	3	34	32	69	60.9	2	36	30	67	61.1	0	33	23	56	60.7
70 / 74	8	23	40	71	59.1	6	26	41	72	59.3	2	35	33	70	59.1
65 / 69	24	15	46	85	57.3	20	18	46	84	57.4	9	26	44	79	57.4
60 / 64	57	6	45	108	55.1	53	8	48	110	55.4	34	17	57	108	55.4
55 / 59	86	1	22	109	52.6	92	2	26	119	52.9	72	6	37	115	52.6
50 / 54	61	0	3	64	49.5	64	0	4	67	49.6	84	1	10	95	49.0
45 / 49	8	0	0	8	45.2	11		0	11	45.1	32		1	33	44.3
40 / 44	0			0	42.3	0			0	42.6	6			6	39.9
35 / 39											0			0	35.5
30 / 34															
25 / 29															
20 / 24															
15 / 19															
10 / 14															
5 / 9															

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PASO ROBLES CA

WMO No. 723965

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		
110 / 114															
105 / 109		0		0	70.0										
100 / 104	0	1	0	1	68.3										
95 / 99	0	5	0	5	65.8										
90 / 94	0	12	2	14	63.3										
85 / 89	0	19	3	22	61.2	0	0		0	58.1					
80 / 84	0	28	7	35	60.4	0	5	0	5	58.0					
75 / 79	0	33	12	45	59.0	0	14	1	15	56.6		1		1	54.1
70 / 74	0	39	19	58	57.3	0	22	4	26	55.6		6		6	52.6
65 / 69	1	41	31	73	55.6	0	34	9	43	53.8		16	1	17	51.9
60 / 64	10	34	54	98	54.3	1	46	23	70	52.3	0	36	5	41	51.2
55 / 59	38	22	58	118	51.9	9	47	43	99	50.3	5	54	24	83	50.3
50 / 54	70	11	44	125	48.3	24	36	61	122	47.4	15	52	50	117	47.2
45 / 49	65	3	15	83	44.0	45	21	52	118	43.8	29	35	62	126	43.5
40 / 44	41	0	4	45	39.4	56	10	32	98	39.4	37	25	56	118	39.2
35 / 39	18	0	1	19	35.0	55	4	13	72	34.9	52	15	34	101	34.9
30 / 34	5			5	30.1	36	1	3	40	30.6	66	8	13	86	30.5
25 / 29	0			0	27.0	12		0	12	26.0	33	1	2	36	26.0
20 / 24						1			1	20.8	9	0	1	10	21.1
15 / 19						0			0	18.0	1	0	0	1	16.4
10 / 14											0			0	10.7
5 / 9											0			0	9.0

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PASO ROBLES CA

WMO No. 723965

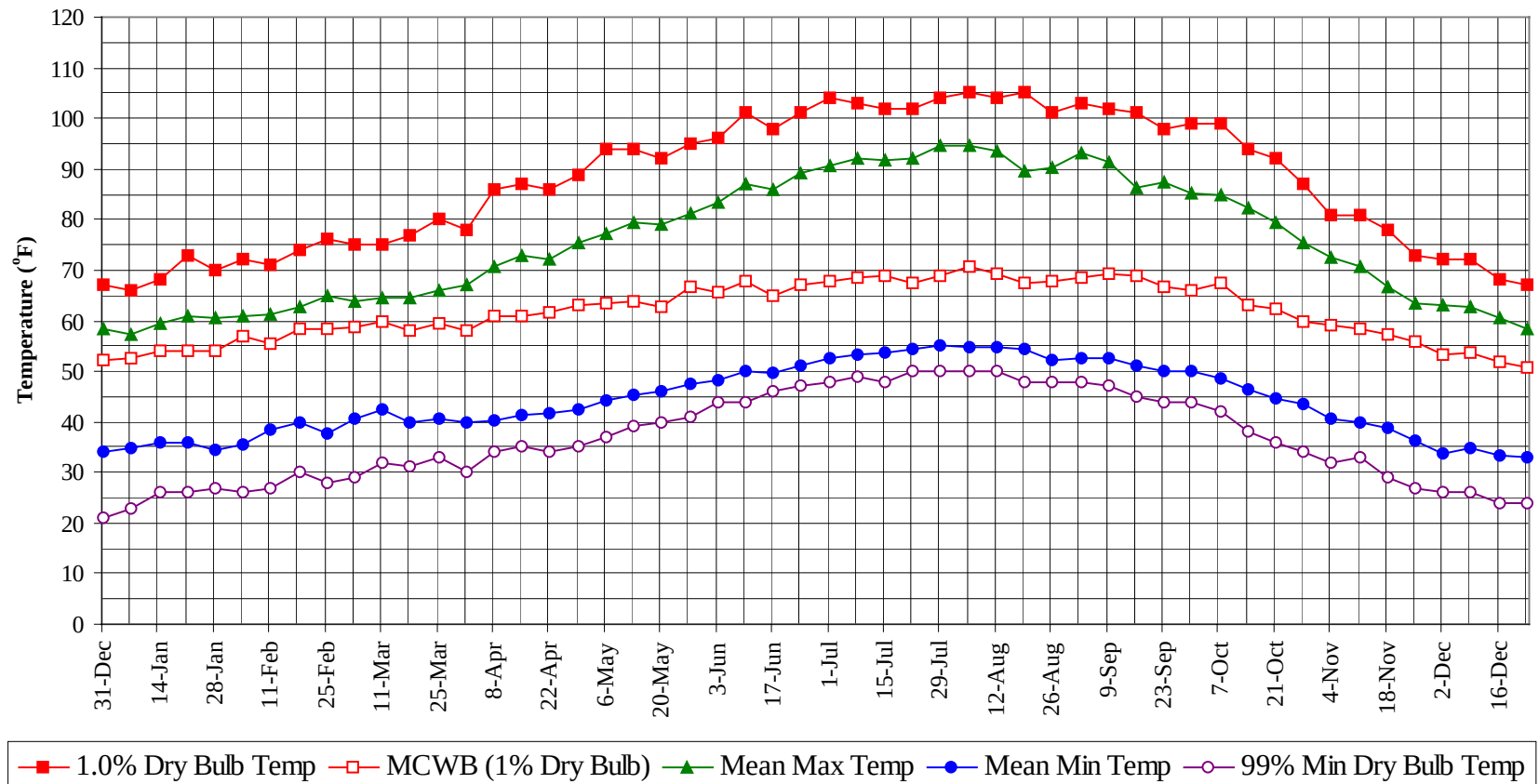
Dry-Bulb Temperature Hours For An Average Year (Sheet 5 of 5)

Period of Record = 1973 to 1996

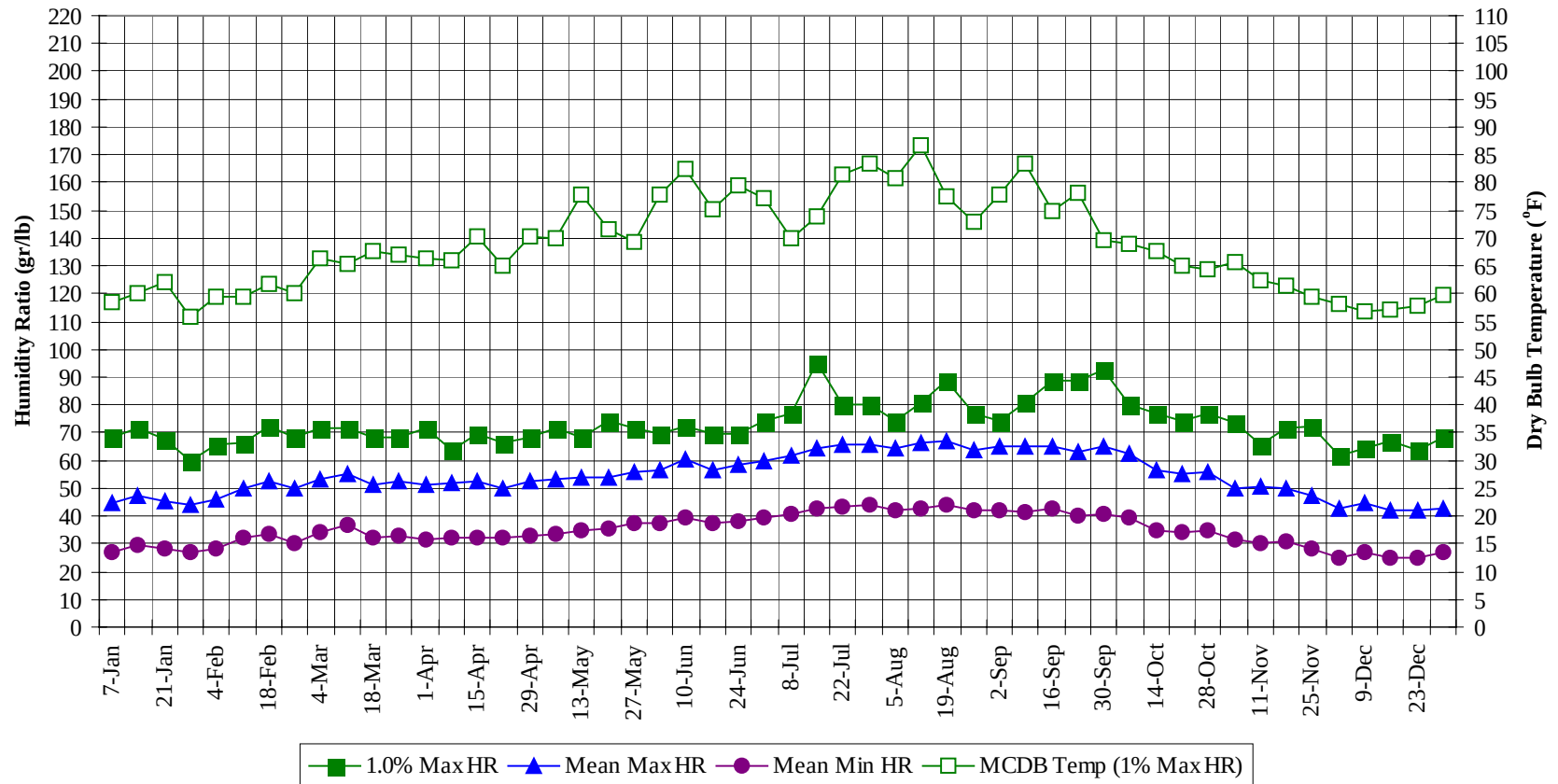
Annual Totals					
Temperature Range (°F)	Hour Group (LST)			Total Obs	M C W B (°F)
	01 To 08	09 To 16	17 To 00		
110 / 114		1	0	1	70.7
105 / 109		13	1	14	69.8
100 / 104	0	47	5	52	67.9
95 / 99	0	103	19	122	66.3
90 / 94	0	166	38	204	64.7
85 / 89	0	193	62	255	63.1
80 / 84	0	228	97	325	61.4
75 / 79	6	265	147	417	59.7
70 / 74	21	293	209	522	57.8
65 / 69	69	322	283	674	55.8
60 / 64	199	360	394	953	53.8
55 / 59	438	366	475	1278	51.4
50 / 54	632	271	494	1396	48.2
45 / 49	516	153	353	1022	44.2
40 / 44	404	83	213	700	39.8
35 / 39	305	39	95	439	35.3
30 / 34	228	16	31	275	30.7
25 / 29	85	3	4	92	26.2
20 / 24	15	0	1	16	21.2
15 / 19	2	0	0	2	16.3
10 / 14	0			0	10.8
5 / 9	0			0	9.0

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.

Annual Summary of Temperatures



Long Term Humidity and Dry Bulb Temperature Summary



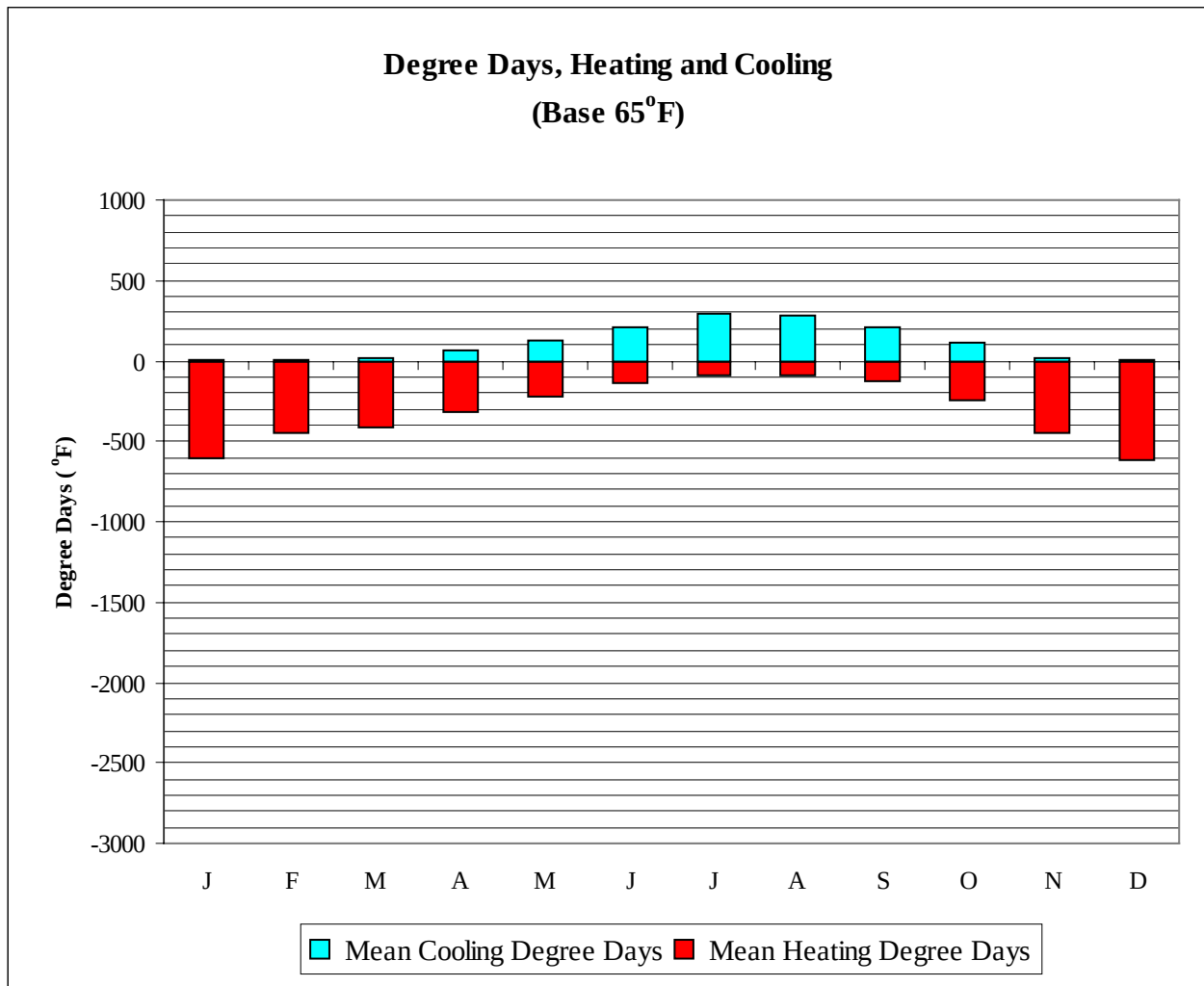
PASO ROBLES**CA****WMO No. 723965****Long Term Dry Bulb Temperature and Humidity Summary**

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	52.7	57.3	34.6	23.0	68.6	58.4	44.5	27.1
14-Jan	68.0	54.1	59.4	36.0	26.0	71.4	59.9	47.3	29.3
21-Jan	73.0	53.9	60.7	35.7	26.0	67.9	62.0	45.0	28.2
28-Jan	70.0	53.9	60.7	34.6	27.0	59.5	55.9	44.0	26.7
4-Feb	72.0	56.9	60.9	35.5	26.0	65.8	59.6	46.3	28.0
11-Feb	71.0	55.6	61.2	38.3	27.0	66.5	59.4	49.7	32.0
18-Feb	74.0	58.3	62.9	39.8	30.0	72.1	61.7	52.2	33.5
25-Feb	76.0	58.3	64.9	37.8	28.0	68.6	60.0	49.6	30.1
4-Mar	75.0	58.8	63.8	40.5	29.0	71.4	66.4	52.9	34.4
11-Mar	75.0	59.8	64.5	42.4	32.0	71.4	65.5	55.3	36.5
18-Mar	77.0	58.1	64.7	39.8	31.0	68.6	67.5	51.3	32.5
25-Mar	80.0	59.6	66.0	40.6	33.0	68.6	67.0	52.4	33.2
1-Apr	78.0	57.9	67.1	39.9	30.0	71.4	66.2	50.9	31.7
8-Apr	86.0	61.0	70.8	40.4	34.0	63.7	66.0	52.1	32.0
15-Apr	87.0	61.0	72.8	41.3	35.0	69.3	70.4	52.4	32.2
22-Apr	86.0	61.7	72.1	41.7	34.0	66.5	65.0	50.2	32.2
29-Apr	89.0	63.3	75.3	42.6	35.0	68.6	70.4	52.4	32.7
6-May	94.0	63.4	77.4	44.2	37.0	71.4	69.8	53.1	33.5
13-May	94.0	63.7	79.4	45.2	39.0	68.6	77.7	53.8	34.8
20-May	92.0	62.7	79.0	45.9	40.0	74.2	71.6	53.8	35.6
27-May	95.0	66.6	81.2	47.6	41.0	71.4	69.4	56.1	37.3
3-Jun	96.0	65.7	83.5	48.4	44.0	69.3	77.8	56.5	37.3
10-Jun	101.0	67.9	86.9	50.2	44.0	72.1	82.5	60.6	39.2
17-Jun	98.0	65.0	86.0	49.5	46.0	69.3	75.3	56.7	37.5
24-Jun	101.0	67.2	89.0	51.0	47.0	69.3	79.5	58.5	38.4
1-Jul	104.0	67.7	90.7	52.7	48.0	74.2	77.3	59.7	39.1
8-Jul	103.0	68.4	91.9	53.2	49.0	77.0	70.0	61.9	40.8
15-Jul	102.0	68.8	91.8	53.7	48.0	95.2	73.9	64.6	42.5
22-Jul	102.0	67.3	91.9	54.4	50.0	79.8	81.4	65.4	43.6
29-Jul	104.0	68.9	94.7	55.1	50.0	79.8	83.4	66.0	44.1
5-Aug	105.0	70.6	94.6	54.8	50.0	74.2	80.7	64.1	41.9
12-Aug	104.0	69.1	93.6	54.7	50.0	80.5	86.8	66.6	42.9
19-Aug	105.0	67.4	89.7	54.4	48.0	88.9	77.4	66.8	43.9
26-Aug	101.0	67.9	90.5	52.3	48.0	77.0	72.8	63.9	41.9
2-Sep	103.0	68.6	93.2	52.7	48.0	74.2	77.8	65.0	41.8
9-Sep	102.0	69.3	91.2	52.5	47.0	80.5	83.3	64.9	41.7
16-Sep	101.0	69.0	86.2	51.1	45.0	88.9	74.8	64.9	42.8
23-Sep	98.0	66.7	87.3	50.0	44.0	88.9	78.3	63.3	39.9
30-Sep	99.0	66.1	85.3	50.1	44.0	92.4	69.6	65.0	40.6
7-Oct	99.0	67.6	84.7	48.7	42.0	79.8	68.9	62.7	39.3
14-Oct	94.0	63.1	82.3	46.3	38.0	77.0	67.8	56.3	34.9
21-Oct	92.0	62.3	79.5	44.5	36.0	74.2	64.9	55.0	33.9
28-Oct	87.0	59.8	75.5	43.6	34.0	77.0	64.3	55.6	34.7
4-Nov	81.0	59.2	72.5	40.5	32.0	73.5	65.7	50.1	31.4
11-Nov	81.0	58.2	70.7	39.8	33.0	65.8	62.5	50.5	30.3
18-Nov	78.0	57.2	66.5	38.9	29.0	71.4	61.4	50.1	30.9
25-Nov	73.0	55.9	63.5	36.4	27.0	72.1	59.3	47.3	27.9
2-Dec	72.0	53.3	63.0	33.7	26.0	61.6	58.1	42.7	24.7
9-Dec	72.0	53.7	62.6	34.8	26.0	64.4	56.7	44.4	26.9
16-Dec	68.0	51.8	60.4	33.2	24.0	67.2	57.2	42.3	25.0
23-Dec	67.0	50.7	58.4	33.1	24.0	63.7	57.8	42.2	25.0
31-Dec	67.0	52.3	58.2	34.1	21.0	68.6	59.7	42.5	26.9

PASO ROBLES

CA

WMO No. 723965

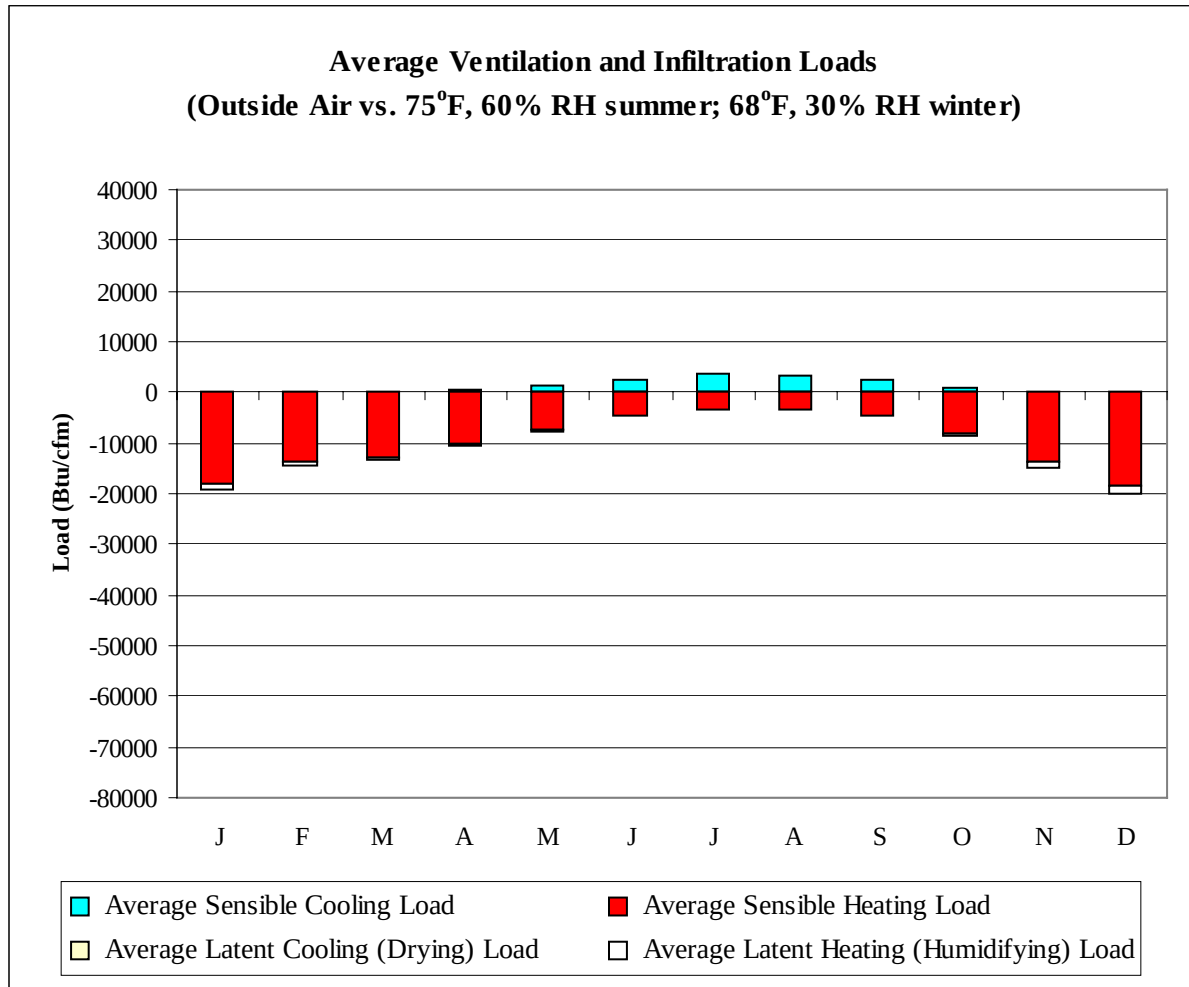


	Mean Cooling Degree Days (°F)	Mean Heating Degree Days (°F)
JAN	3	599
FEB	8	452
MAR	17	414
APR	60	322
MAY	125	224
JUN	215	133
JUL	299	87
AUG	277	93
SEP	206	127
OCT	110	246
NOV	21	446
DEC	3	615
ANN	1344	3758

PASO ROBLES

CA

WMO No. 723965



	Average Sensible Cooling Load	Average Sensible Heating Load	Average Latent Cooling Load	Average Latent Heating Load
	(Btu/cfm)	(Btu/cfm)	(Btu/cfm)	(Btu/cfm)
JAN	3	-17878	1	-1307
FEB	12	-13802	1	-641
MAR	40	-12901	0	-409
APR	404	-10212	0	-364
MAY	1147	-7431	0	-175
JUN	2459	-4676	5	-87
JUL	3728	-3267	43	-28
AUG	3384	-3483	35	-26
SEP	2332	-4543	68	-76
OCT	995	-8082	13	-423
NOV	63	-13677	0	-1106
DEC	0	-18307	0	-1814
ANN	14567	-118259	166	-6456

Average Annual Solar Radiation – Nearest Available Site

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

City: SANTA MARIA
 State: CA
 WBAN No: 23273
 Lat(N): 34.9
 Long(W): 120.45
 Elev(ft): 236

Stn Type: Primary
 SHADING GEOMETRY IN DIMENSIONLESS UNITS
 Window: 1
 Overhang: 0.39
 Vert Gap: 0.285

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	900	1170	1540	1960	2210	2340	2370	2150	1770	1380	1010	840	1640
	Std Dev	77	105	135	131	143	130	61	72	85	78	78	57	41
	Minimum	720	960	1280	1670	1770	2010	2260	1980	1600	1210	860	720	1530
	Maximum	1040	1340	1820	2200	2490	2550	2500	2280	1940	1500	1140	950	1700
	Diffuse	320	420	550	630	710	710	640	590	530	430	330	290	510
Clear Day	Global	1100	1440	1890	2330	2590	2690	2630	2400	2020	1560	1170	1000	1900
NORTH	Global	230	300	370	460	560	630	580	470	390	320	250	210	400
	Diffuse	230	300	370	440	500	520	490	450	390	320	250	210	370
Clear Day	Global	220	270	340	430	600	700	650	480	370	290	230	200	400
EAST	Global	600	730	910	1050	1060	1040	1040	960	890	790	660	570	860
	Diffuse	290	370	470	550	590	600	580	540	470	400	310	270	450
Clear Day	Global	780	960	1190	1360	1450	1470	1450	1380	1230	1020	820	730	1150
SOUTH	Global	1390	1390	1280	1080	850	730	790	1000	1250	1450	1470	1430	1180
	Diffuse	400	470	520	540	540	530	520	520	510	480	420	380	490
Clear Day	Global	1960	1930	1700	1260	910	760	820	1090	1500	1840	1940	1940	1470
WEST	Global	600	740	940	1150	1270	1340	1350	1280	1100	890	670	570	990
	Diffuse	290	370	470	550	610	620	600	560	490	400	320	270	460
Clear Day	Global	780	960	1190	1360	1450	1470	1450	1380	1230	1020	820	730	1150

Average Annual Solar Heat and Illumination – Nearest Available Site

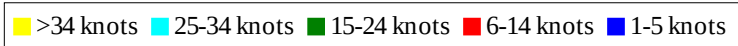
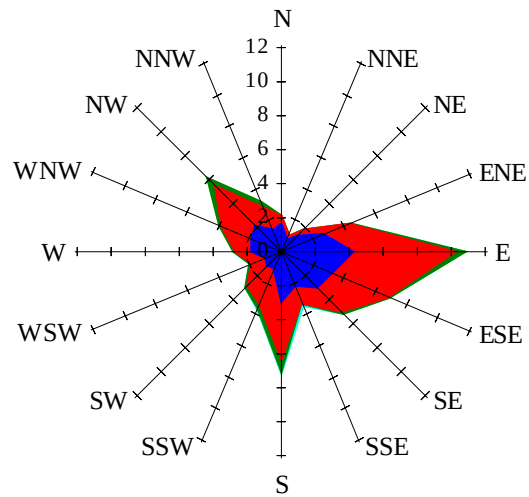
(Source: National Renewable Energy Laboratory, Golden CO, 1995)

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	600	810	1110	1430	1630	1730	1760	1590	1290	980	680	550	1180
	NORTH	Unshaded	160	200	260	310	370	400	370	320	270	220	170	150
	Shaded	150	190	240	290	340	370	350	300	250	210	160	140	250
	EAST	Unshaded	410	510	650	750	750	730	720	670	620	550	450	390
	Shaded	380	470	590	680	660	640	630	590	560	510	420	370	540
	SOUTH	Unshaded	1040	1010	870	670	490	420	450	590	820	1030	1090	1080
	Shaded	1030	950	720	470	350	340	340	390	630	930	1070	1060	690
	WEST	Unshaded	410	520	660	820	900	950	960	910	790	630	460	390
	Shaded	380	480	610	750	810	850	860	820	720	580	430	370	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	44	79	89	70	29	48	87	106	101	71
	M.Cloudy	28	54	60	48	19	28	51	78	77	52
NORTH	M.Clear	11	15	16	14	8	22	16	17	17	15
	M.Cloudy	11	17	18	15	8	14	19	20	20	16
EAST	M.Clear	77	58	16	14	8	80	74	31	17	15
	M.Cloudy	35	37	18	15	8	29	36	28	20	16
SOUTH	M.Clear	39	70	78	62	26	12	25	39	35	15
	M.Cloudy	21	43	49	38	14	11	22	33	31	16
WEST	M.Clear	11	15	25	70	68	12	16	17	54	83
	M.Cloudy	11	17	22	41	29	11	19	20	43	52
M.Clear	(% hrs)	48	48	50	51	51	32	61	74	80	81
		Sept					Dec				
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	31	73	92	85	52	21	50	56	36	4
	M.Cloudy	17	42	65	61	34	14	34	38	25	3
NORTH	M.Clear	9	14	16	16	12	7	11	12	9	2
	M.Cloudy	8	16	19	18	12	6	12	13	9	2
EAST	M.Clear	70	73	29	16	12	50	42	12	9	2
	M.Cloudy	19	33	25	18	12	21	26	13	9	2
SOUTH	M.Clear	22	55	71	65	37	46	85	92	67	11
	M.Cloudy	10	28	47	44	23	19	45	49	33	4
WEST	M.Clear	9	14	16	56	80	7	11	24	54	16
	M.Cloudy	8	16	19	39	41	6	12	18	28	6
M.Clear	(% hrs)	35	59	75	78	80	53	53	54	53	54

Wind Summary - December, January, and February

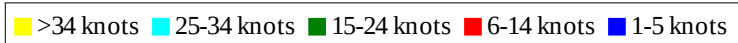
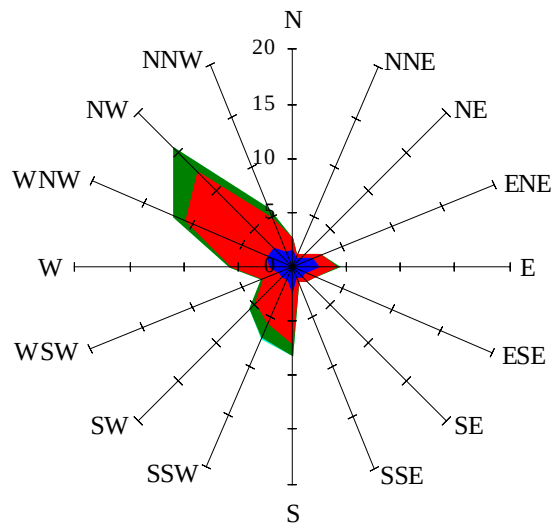
Labels of Percent Frequency on North Axis



Percent Calm = 33.07

Wind Summary - March, April, and May

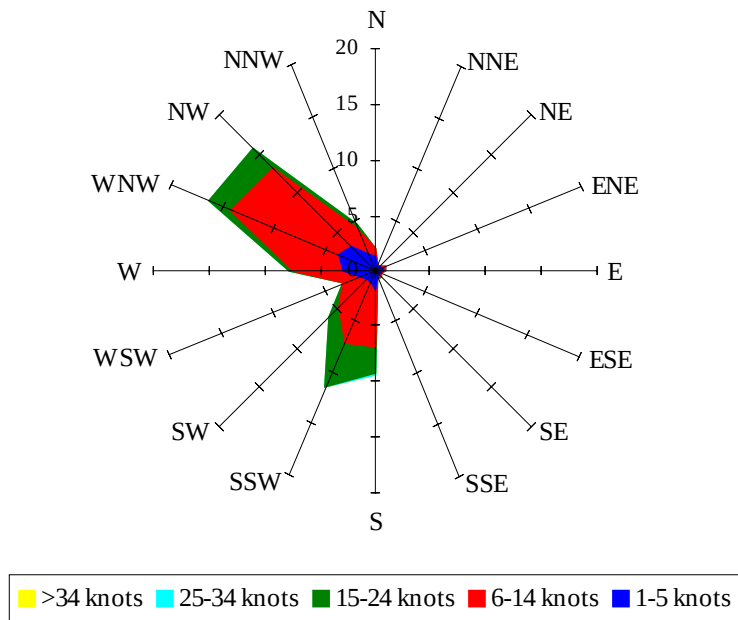
Labels of Percent Frequency on North Axis



Percent Calm = 20.21

Wind Summary - June, July, and August

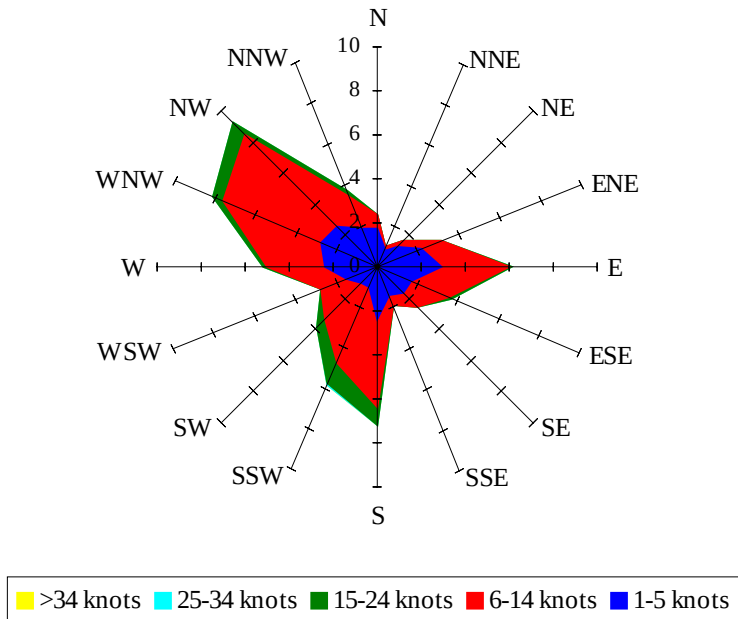
Labels of Percent Frequency on North Axis



Percent Calm = 19.19

Wind Summary - September, October, and November

Labels of Percent Frequency on North Axis



Percent Calm = 31.60