

BUENOS AIRES/EZEIZA AG

Latitude = 34.80 S

Longitude = 58.53 W

Period of Record = 1973 to 1996

WMO No. 875760

Elevation = 66 feet

Average Pressure = 29.87 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	98	75	94	11.6	N
0.4% Occurrence	93	72	87	10.8	W
1.0% Occurrence	90	71	87	10.2	NNE
2.0% Occurrence	87	70	86	10.0	NE
Mean Daily Range	19	-	-	-	-
97.5% Occurrence	37	35	28	4.6	W
99.0% Occurrence	34	33	25	4.2	W
99.6% Occurrence	31	30	22	4.0	W
Median of Extreme Lows	27	27	19	3.1	W
	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	80	91	135	10.7	NNE
0.4% Occurrence	76	86	118	9.3	NE
1.0% Occurrence	75	84	114	9.1	NE
2.0% Occurrence	73	82	107	8.9	NE
	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	144	86	0.94	8.9	ENE
0.4% Occurrence	125	81	0.83	8.4	NNE
1.0% Occurrence	118	79	0.78	7.9	NE
2.0% Occurrence	112	77	0.74	8.5	NE
Air Conditioning/ Humid Area Criteria	# of Hours	T ≥ 93°F	T ≥ 80°F	T _{wb} ≥ 73°F	T _{wb} ≥ 67°F
		36	722	238	1422

Other Site Data

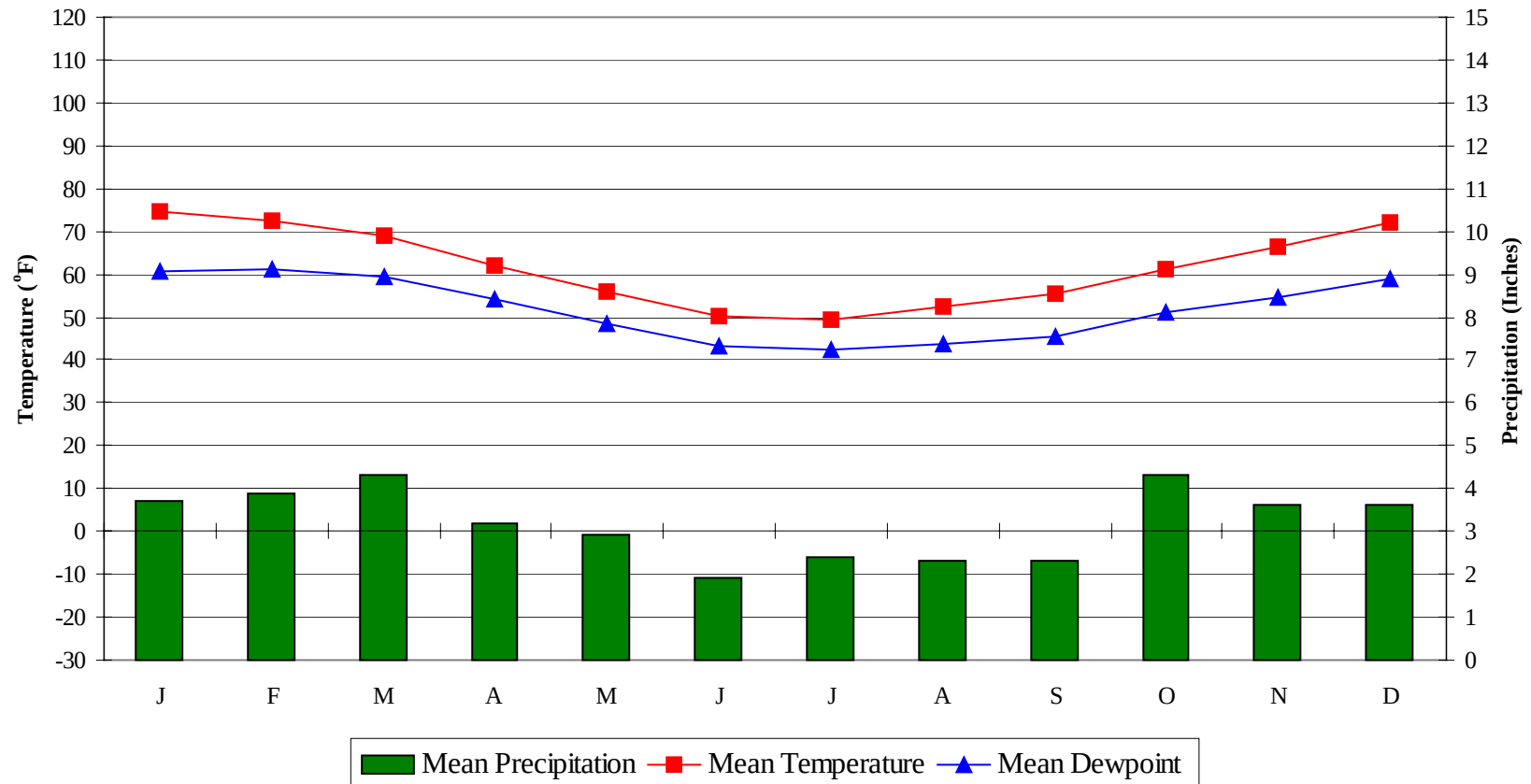
Weather Region	Rain Rate 100 Year Recurrence (in./hr)	Basic Wind Speed 3 sec gust @ 33 ft 50 Year Recurrence (mph)	Ventilation Cooling Load Index (Ton-hr/cfm/yr) Base 75°F-RH 60% Latent + Sensible
8	N/A	N/A	1.6 + 0.7
Ground Water Temperature (°F) 50 Foot Depth *	Frost Depth 50 Year Recurrence (in.)	Ground Snow Load 50 Year Recurrence (lb/ft ²)	Average Annual Freeze-Thaw Cycles (#)
64.2	N/A	N/A	9

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

BUENOS AIRES/EZEIZA AG

WMO No. 875760

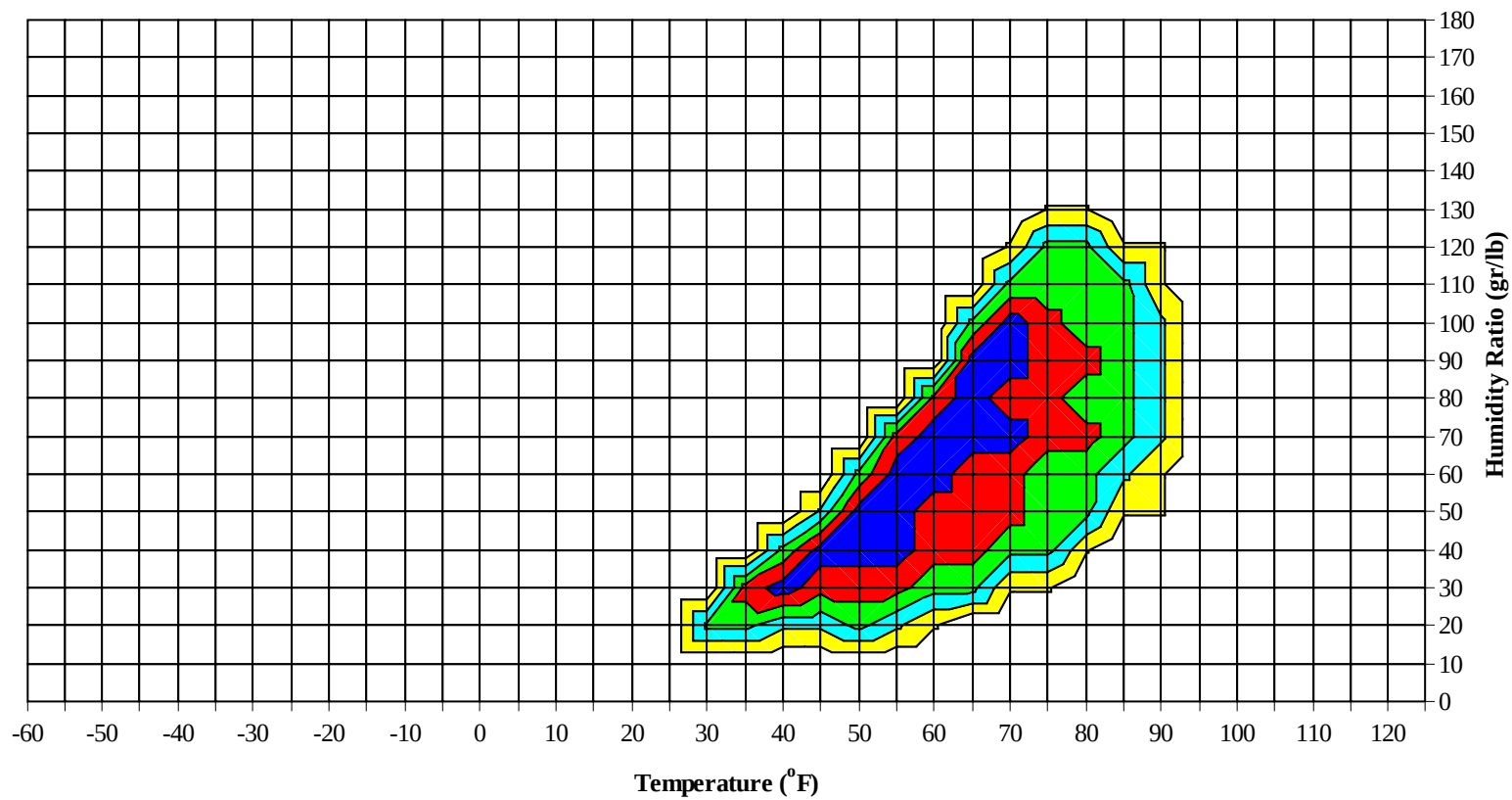
Average Annual Climate



BUENOS AIRES/EZEIZA AG

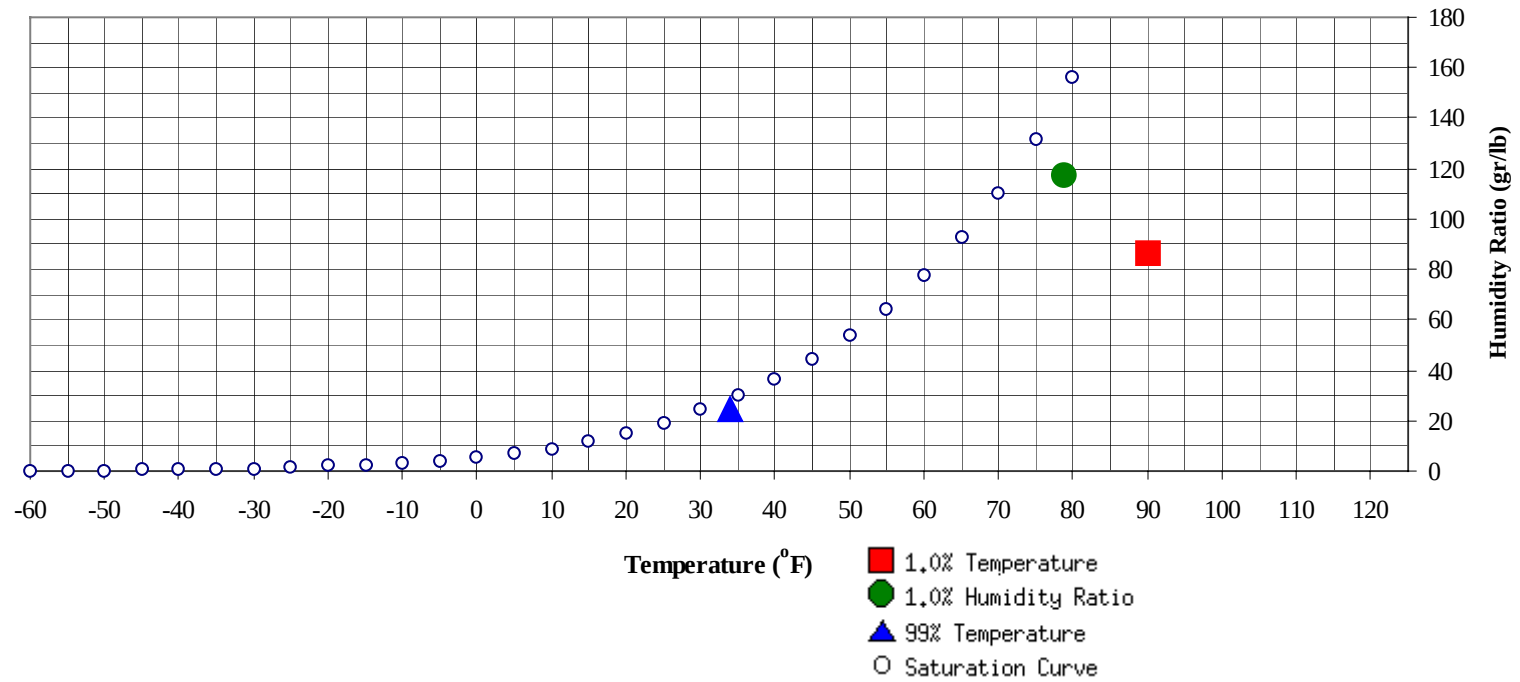
WMO No. 875760

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



	(°F)	MCHR (gr/lb)	Enthalpy (btu/lb)	1.0% Humidity Ratio	(gr/lb)	MCDB (°F)	MCWB (°F)	MC Dewpt (°F)	Enthalpy (btu/lb)
99% Dry Bulb	34	24.7	12.0		117.6	78.7	73.7	71.6	37.3

1.0% Dry Bulb	(°F)	MCHR (gr/lb)	MCWB (°F)	Enthalpy (btu/lb)
	90	86.3	71.2	35.2

BUENOS AIRES/EZEIZA AG

WMO No. 875760

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		1	0	1	74.7										
95 / 99		7	3	10	74.0		2	0	2	71.6		1	0	1	78.0
90 / 94	0	25	12	37	71.8		10	4	14	72.2		4	2	6	74.3
85 / 89	0	41	24	66	70.5	0	28	14	42	70.9	0	18	7	25	71.3
80 / 84	5	61	43	110	68.8	2	52	32	86	69.4	1	38	20	59	69.3
75 / 79	27	58	56	142	67.5	12	61	49	123	67.6	7	63	41	110	67.1
70 / 74	70	36	58	164	66.0	52	44	63	159	66.4	30	64	68	162	65.6
65 / 69	61	13	31	106	63.4	60	18	37	115	63.5	60	33	52	145	63.2
60 / 64	49	5	16	70	59.3	56	8	18	82	59.6	67	20	38	125	59.4
55 / 59	25	1	3	29	54.4	29	2	5	36	54.5	46	6	16	68	54.7
50 / 54	8		0	8	50.0	11	0	1	12	50.3	24	1	4	29	50.1
45 / 49	2			2	45.8	2	0		2	45.7	10	0	1	11	45.3
40 / 44	0			0	43.0						2		0	2	41.4
35 / 39											0			0	36.7
30 / 34															
25 / 29															
20 / 24															
15 / 19															

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.

BUENOS AIRES/EZEIZA AG

WMO No. 875760

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															
95 / 99															
90 / 94															
85 / 89		1	0	1	72.1										
80 / 84	0	9	3	12	68.7	0	2	0	2	70.4					
75 / 79	1	30	12	43	66.3	1	7	3	11	68.2		1	0	1	66.2
70 / 74	7	57	33	97	63.9	3	24	10	37	63.8	0	5	3	8	63.1
65 / 69	22	52	47	121	61.8	9	40	22	71	60.7	2	13	7	22	60.0
60 / 64	46	51	64	162	58.5	27	66	49	142	57.5	12	38	22	72	56.6
55 / 59	59	27	49	135	54.4	43	53	66	161	53.3	24	60	43	127	52.6
50 / 54	54	10	24	88	50.1	52	33	52	136	49.0	45	60	62	166	48.3
45 / 49	31	3	8	42	45.3	50	14	33	96	44.7	49	36	57	141	43.8
40 / 44	15	1	1	17	41.1	35	7	11	53	40.4	44	16	30	89	40.0
35 / 39	3		0	3	36.9	22	3	3	28	36.2	39	8	15	62	35.8
30 / 34						6	0	0	6	31.4	21	3	2	26	31.4
25 / 29						0			0	26.4	4	1		5	27.0
20 / 24											0			0	24.0
15 / 19											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.

BUENOS AIRES/EZEIZA AG

WMO No. 875760

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															
95 / 99															
90 / 94							0		0	71.0		0		0	71.0
85 / 89	0	0		0	66.2		0	0	0	70.3		1	0	1	69.6
80 / 84	0	0	0	0	68.0		1	0	1	67.9	0	2	1	3	67.9
75 / 79	0	2	1	3	64.8	0	4	2	6	64.7	1	10	4	15	63.6
70 / 74	0	5	2	7	61.7	1	14	6	21	60.2	3	24	11	38	60.1
65 / 69	2	11	4	17	59.0	4	24	12	40	57.8	4	34	19	57	57.5
60 / 64	10	33	17	60	56.0	8	46	28	82	54.9	14	60	45	119	54.9
55 / 59	21	56	43	121	52.5	25	59	51	135	52.0	35	57	62	153	51.9
50 / 54	41	64	65	170	48.4	50	58	70	178	48.4	62	35	52	149	48.4
45 / 49	54	44	58	157	44.0	61	28	49	138	44.3	53	15	30	99	44.0
40 / 44	43	18	34	95	39.9	43	9	23	75	40.0	36	3	12	51	40.1
35 / 39	41	10	19	70	35.7	38	4	7	49	35.9	23	1	3	27	35.8
30 / 34	28	4	4	36	31.0	14	1	1	16	31.1	8	0	0	8	31.4
25 / 29	8	1	0	9	27.1	2			2	26.9	0			0	27.4
20 / 24	0			0	23.0										
15 / 19															

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.

BUENOS AIRES/EZEIZA AG

WMO No. 875760

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												0	0	0	74.6
95 / 99							0	0	0	77.6		3	1	4	73.5
90 / 94		0		0	74.0		2	1	3	71.6		14	6	20	70.3
85 / 89		2	1	3	70.7	0	12	4	16	68.8	0	30	15	45	70.2
80 / 84		9	3	12	68.0	1	28	14	43	66.9	2	60	35	97	68.4
75 / 79	1	27	13	41	64.3	4	49	29	82	64.8	15	64	50	129	66.7
70 / 74	5	51	27	82	61.6	16	64	48	128	62.5	50	46	60	156	64.8
65 / 69	15	55	41	111	59.8	38	42	49	130	61.1	67	21	43	131	62.6
60 / 64	47	60	63	169	57.2	65	31	49	145	58.1	58	9	26	94	58.9
55 / 59	63	33	57	153	53.5	54	10	31	95	54.0	35	2	10	47	54.7
50 / 54	58	11	33	102	49.4	38	2	12	52	49.9	16	0	1	17	50.1
45 / 49	39	1	9	48	45.0	19	0	2	21	45.4	4			4	45.6
40 / 44	15		1	16	40.6	3			3	40.6	0			0	41.4
35 / 39	5			5	37.1	1			1	37.3					
30 / 34	0			0	32.5										
25 / 29															
20 / 24															
15 / 19															

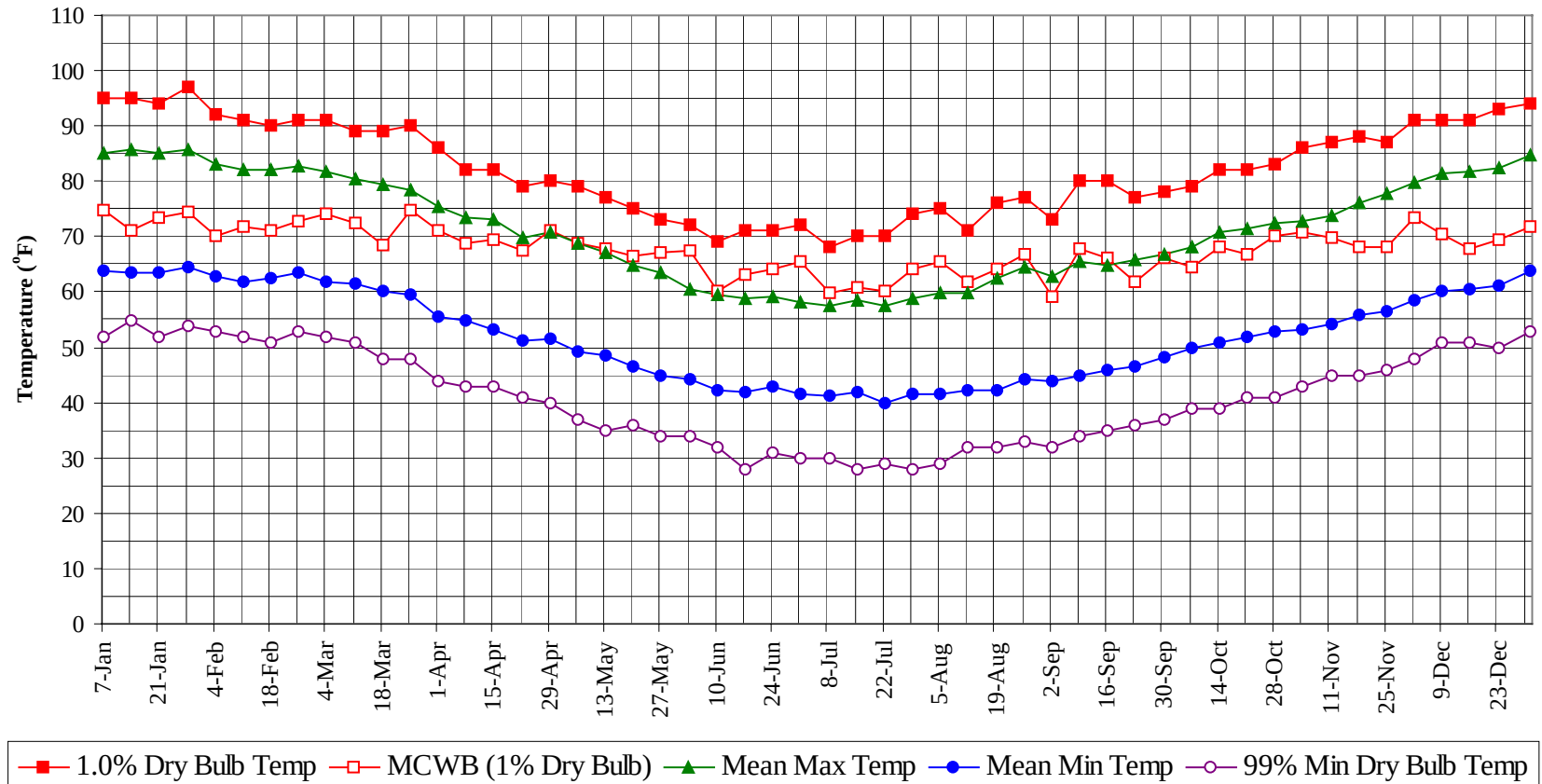
Caution: This summary reflects the typical distribution of temperature in a typical year. It does not reflect the typical moisture distribution. Because wet bulb temperatures are averaged, this summary understates the annual moisture load. For accurate moisture load data, see the long-term humidity summary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

BUENOS AIRES/EZEIZA AG**WMO No. 875760****Dry-Bulb Temperature Hours For An Average Year (Sheet 5 of 5)****Period of Record = 1973 to 1996**

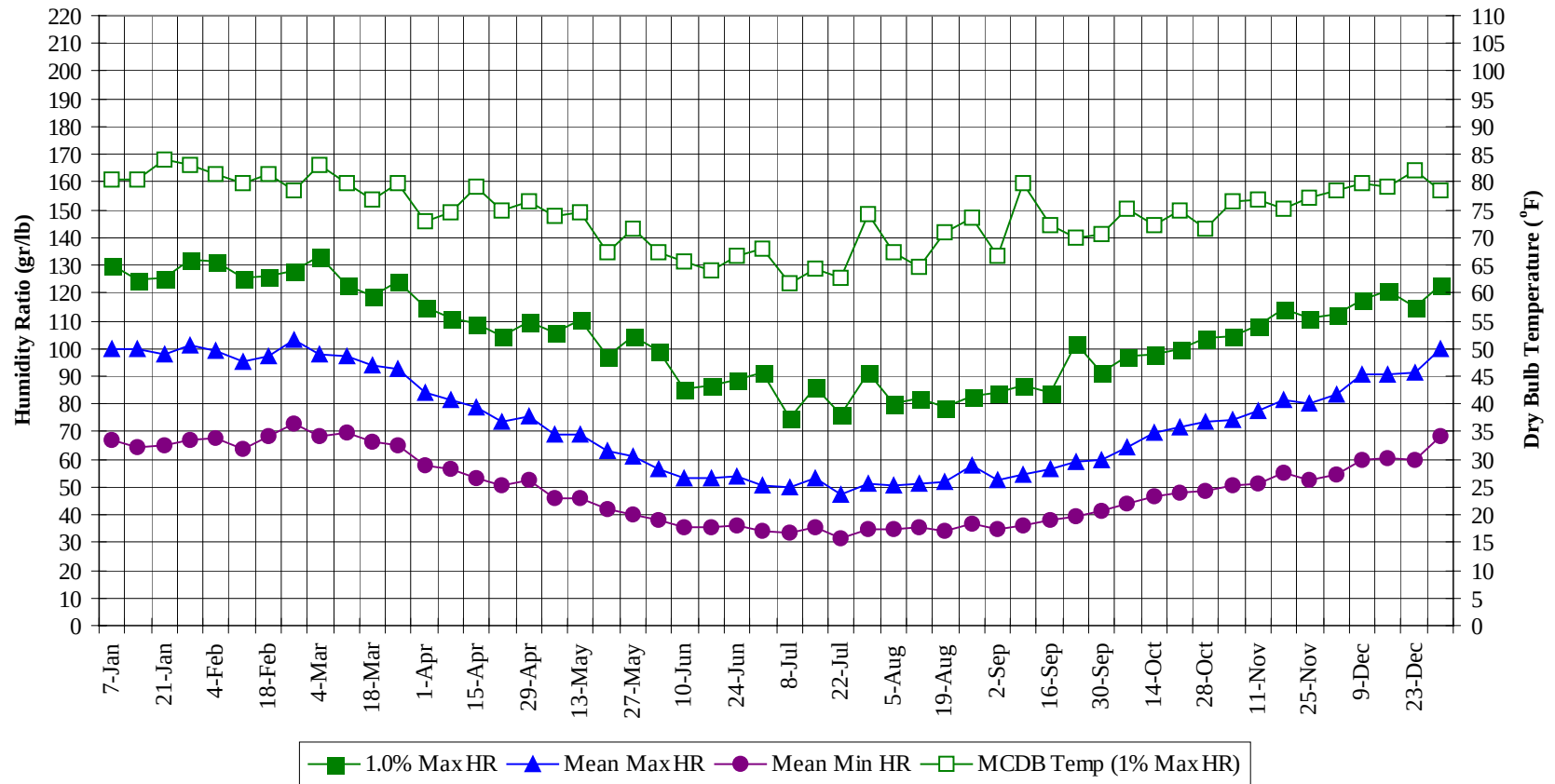
Annual Totals					
Temperature Range (°F)	Hour Group (LST)			Total Obs	M C W B (°F)
	01 To 08	09 To 16	17 To 00		
100 / 104		1	0	1	74.7
95 / 99		12	5	17	73.8
90 / 94	0	56	24	80	71.7
85 / 89	1	134	66	201	70.5
80 / 84	11	263	153	427	68.7
75 / 79	71	377	261	708	66.6
70 / 74	239	434	392	1064	64.4
65 / 69	347	354	363	1064	61.6
60 / 64	460	425	439	1323	57.6
55 / 59	460	363	435	1258	53.2
50 / 54	459	273	374	1106	48.9
45 / 49	372	141	247	760	44.3
40 / 44	235	53	111	399	40.1
35 / 39	173	25	46	243	35.9
30 / 34	76	9	7	92	31.2
25 / 29	15	2	0	17	27.1
20 / 24	0			0	23.2
15 / 19	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.

Annual Summary of Temperatures

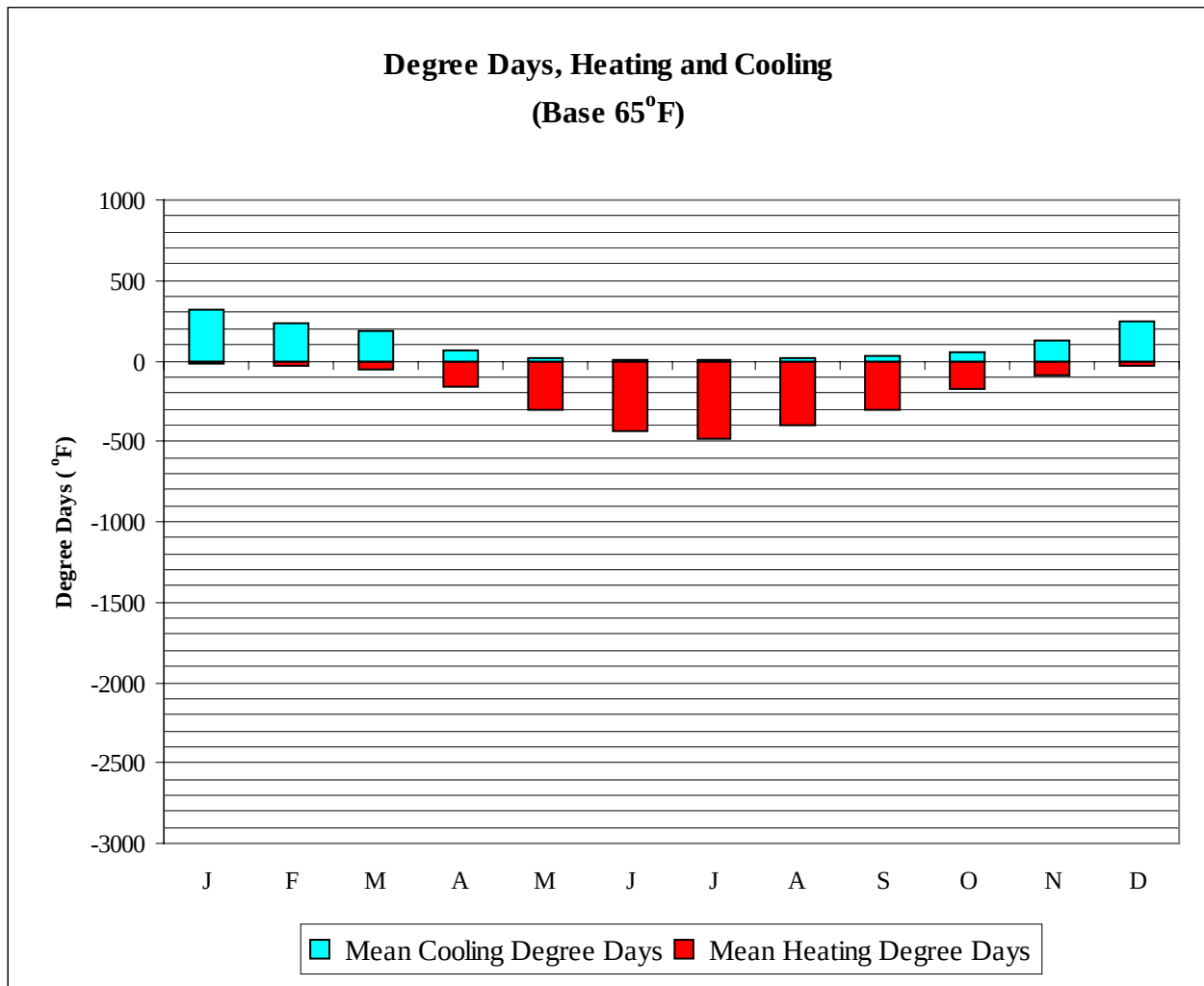


Long Term Humidity and Dry Bulb Temperature Summary

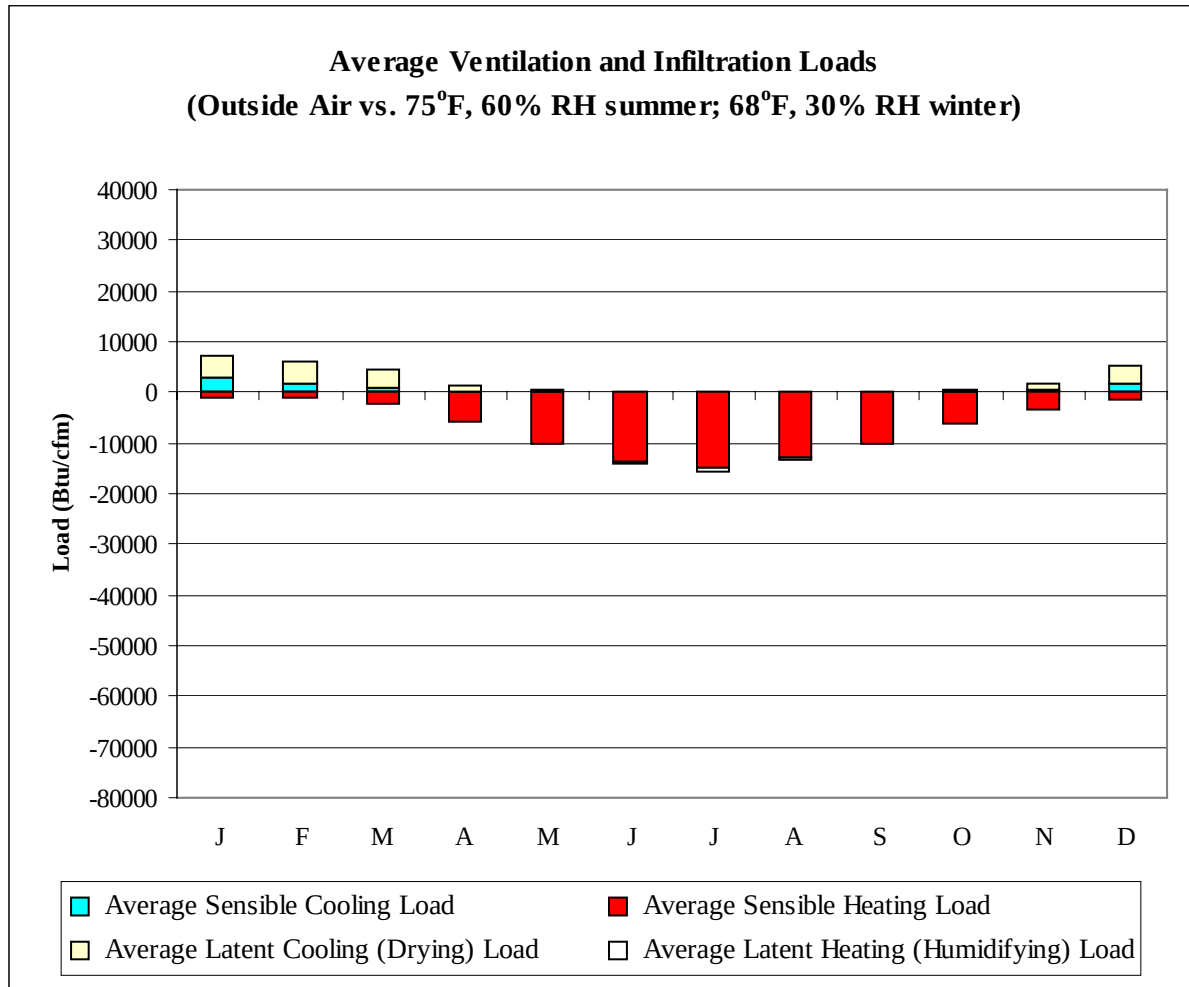


BUENOS AIRES/EZEIZA AG**WMO No. 875760****Long Term Dry Bulb Temperature and Humidity Summary**

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	95.0	74.9	85.1	63.8	52.0	130.2	80.3	99.7	66.9
14-Jan	95.0	71.2	85.9	63.6	55.0	124.6	80.6	99.6	64.4
21-Jan	94.0	73.6	85.0	63.3	52.0	125.3	84.0	97.9	65.3
28-Jan	97.0	74.6	85.7	64.4	54.0	132.3	83.0	101.2	66.8
4-Feb	92.0	70.3	83.2	62.9	53.0	131.6	81.4	99.4	67.9
11-Feb	91.0	71.9	82.0	61.8	52.0	125.3	79.8	95.3	64.0
18-Feb	90.0	71.0	82.2	62.4	51.0	126.0	81.4	97.4	68.4
25-Feb	91.0	72.8	82.9	63.6	53.0	128.1	78.4	103.4	72.8
4-Mar	91.0	74.3	81.9	61.8	52.0	133.0	83.0	98.0	68.3
11-Mar	89.0	72.5	80.5	61.6	51.0	122.5	79.8	97.1	69.4
18-Mar	89.0	68.6	79.5	60.1	48.0	119.0	76.8	94.1	66.5
25-Mar	90.0	74.8	78.6	59.5	48.0	123.9	79.9	92.6	65.1
1-Apr	86.0	71.0	75.3	55.6	44.0	114.8	72.8	83.8	57.5
8-Apr	82.0	68.8	73.5	54.7	43.0	111.3	74.7	81.3	56.5
15-Apr	82.0	69.6	73.1	53.3	43.0	109.2	79.0	79.0	53.4
22-Apr	79.0	67.6	69.8	51.1	41.0	104.3	75.0	73.3	50.4
29-Apr	80.0	71.3	70.7	51.5	40.0	109.9	76.4	75.8	52.6
6-May	79.0	68.8	68.7	49.3	37.0	105.7	73.8	69.0	45.8
13-May	77.0	68.0	67.1	48.5	35.0	110.6	74.5	69.0	46.0
20-May	75.0	66.3	65.0	46.7	36.0	97.3	67.3	62.9	42.4
27-May	73.0	67.3	63.4	45.0	34.0	104.3	71.5	61.3	40.2
3-Jun	72.0	67.6	60.5	44.3	34.0	99.4	67.3	56.2	38.2
10-Jun	69.0	60.2	59.6	42.3	32.0	85.4	65.6	53.1	35.5
17-Jun	71.0	63.3	58.8	42.0	28.0	86.8	64.1	53.5	35.7
24-Jun	71.0	64.0	59.2	43.0	31.0	88.9	66.6	53.7	36.1
1-Jul	72.0	65.6	58.1	41.5	30.0	91.0	68.0	50.4	34.3
8-Jul	68.0	59.8	57.4	41.2	30.0	74.9	61.7	50.0	33.6
15-Jul	70.0	60.9	58.3	41.8	28.0	86.1	64.4	52.9	35.7
22-Jul	70.0	60.2	57.4	40.0	29.0	76.3	62.7	47.1	31.6
29-Jul	74.0	64.0	58.8	41.5	28.0	91.0	74.1	51.0	34.6
5-Aug	75.0	65.6	59.9	41.7	29.0	79.8	67.3	50.6	34.8
12-Aug	71.0	61.7	59.7	42.3	32.0	81.9	64.7	51.2	35.1
19-Aug	76.0	64.1	62.6	42.2	32.0	79.1	71.0	52.1	34.3
26-Aug	77.0	66.8	64.4	44.1	33.0	82.6	73.5	57.5	36.8
2-Sep	73.0	59.0	62.8	43.8	32.0	84.0	66.7	52.5	34.7
9-Sep	80.0	67.8	65.4	44.9	34.0	86.8	79.8	54.7	35.8
16-Sep	80.0	66.2	64.9	45.8	35.0	84.0	72.4	56.6	37.8
23-Sep	77.0	61.9	65.9	46.6	36.0	101.5	70.0	58.9	39.2
30-Sep	78.0	66.0	66.7	48.1	37.0	91.0	70.6	59.9	41.4
7-Oct	79.0	64.4	68.0	49.7	39.0	97.3	75.1	64.7	43.9
14-Oct	82.0	68.1	70.8	51.0	39.0	98.0	72.3	69.7	46.6
21-Oct	82.0	66.7	71.5	51.8	41.0	100.1	75.0	71.7	47.9
28-Oct	83.0	70.3	72.4	52.9	41.0	103.6	71.7	73.6	48.7
4-Nov	86.0	70.9	72.9	53.1	43.0	104.3	76.5	74.4	50.5
11-Nov	87.0	69.7	73.9	54.2	45.0	108.5	76.9	77.7	51.4
18-Nov	88.0	68.3	76.2	55.7	45.0	114.1	75.3	81.3	55.2
25-Nov	87.0	68.2	77.8	56.6	46.0	111.3	77.2	80.4	52.4
2-Dec	91.0	73.4	79.6	58.4	48.0	112.0	78.3	83.1	54.6
9-Dec	91.0	70.5	81.3	60.0	51.0	117.6	79.8	90.4	59.5
16-Dec	91.0	67.9	81.8	60.3	51.0	121.1	79.2	90.7	60.3
23-Dec	93.0	69.6	82.6	61.1	50.0	114.8	82.2	91.3	59.9
31-Dec	94.0	71.7	84.8	63.9	53.0	122.5	78.6	99.8	68.3



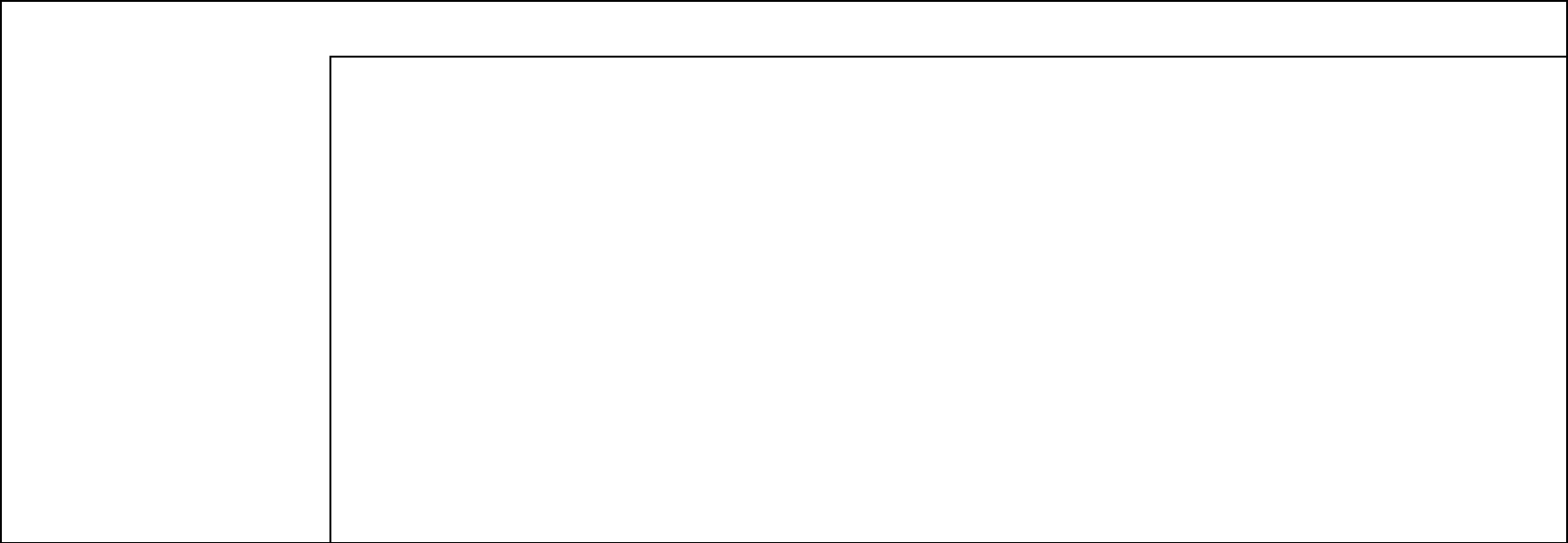
	Mean Cooling Degree Days (°F)	Mean Heating Degree Days (°F)
JAN	315	20
FEB	235	25
MAR	183	57
APR	63	157
MAY	20	304
JUN	4	441
JUL	5	490
AUG	12	407
SEP	24	305
OCT	55	169
NOV	129	90
DEC	251	35
ANN	1297	2500



	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	2701	-947	4538	-6
FEB	1646	-1173	4262	-5
MAR	1018	-2364	3410	-10
APR	153	-5673	1164	-11
MAY	27	-10016	519	-138
JUN	2	-13693	82	-425
JUL	12	-15047	36	-562
AUG	18	-12797	40	-398
SEP	60	-9949	119	-291
OCT	157	-6075	508	-27
NOV	669	-3550	1202	-13
DEC	1879	-1559	3257	-7
ANN	8342	-82843	19137	-1893

Average Annual Solar Radiation – Nearest Available Site
(Source: National Renewable Energy Laboratory, Golden CO, 1995)

No Solar Radiation
Data Available

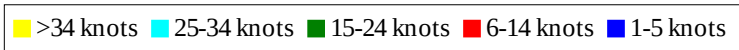
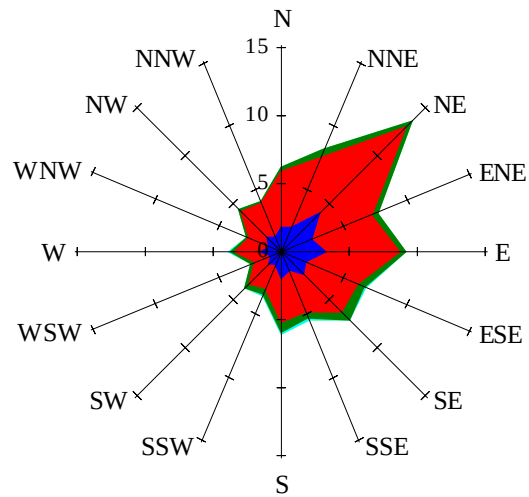


Average Annual Solar Heat and Illumination – Nearest Available Site

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

Wind Summary - December, January, and February

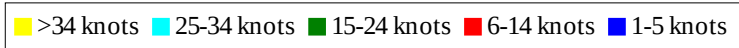
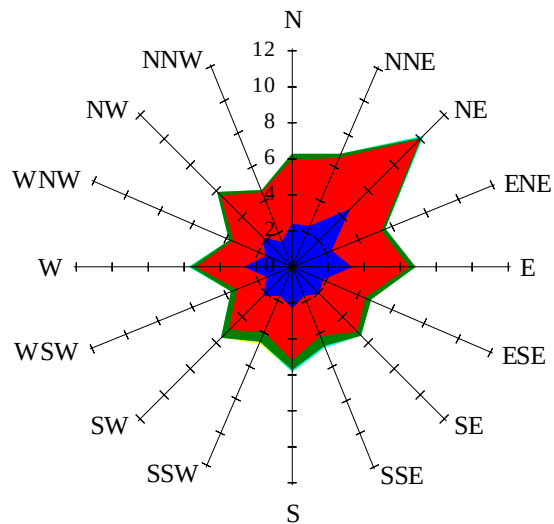
Labels of Percent Frequency on North Axis



Percent Calm = 6.43

Wind Summary - March, April, and May

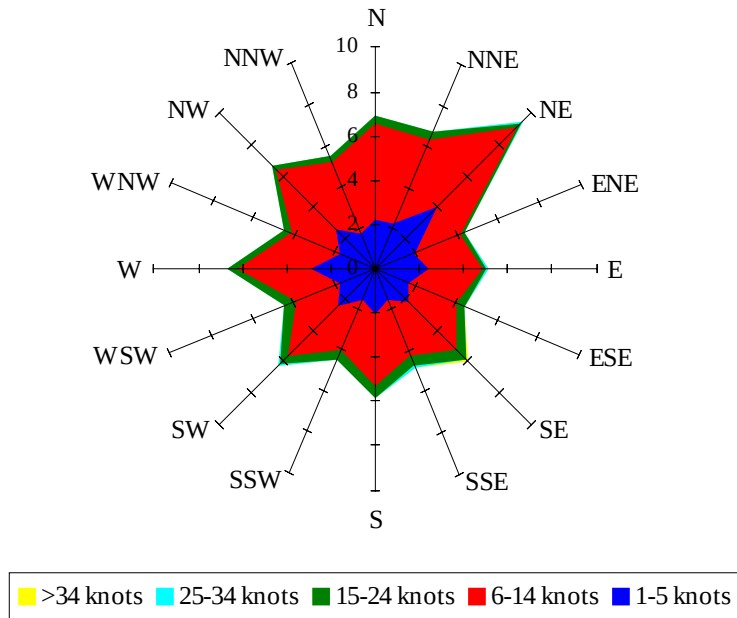
Labels of Percent Frequency on North Axis



Percent Calm = 11.41

Wind Summary - June, July, and August

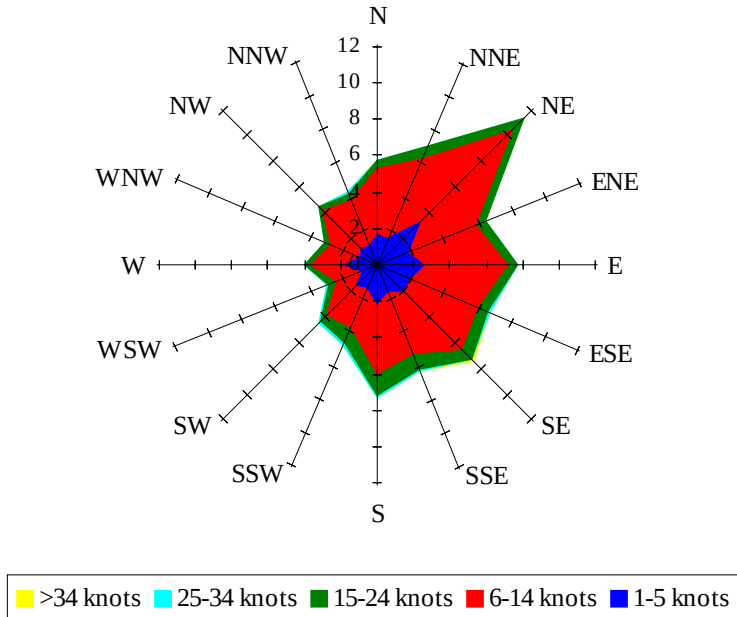
Labels of Percent Frequency on North Axis



Percent Calm = 9.35

Wind Summary - September, October, and November

Labels of Percent Frequency on North Axis



Percent Calm = 6.81