

BEAUMONT/PORT ARTHUR TX

Latitude = 29.95 N

WMO No. 722410

Longitude = 94.02 W

Elevation = 23 feet

Period of Record = 1973 to 1996

Average Pressure = 29.99 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	79	118	8.3	S
0.4% Occurrence	94	79	124	9.0	S
1.0% Occurrence	92	79	127	9.7	S
2.0% Occurrence	91	79	128	9.9	S
Mean Daily Range	17	-	-	-	-
97.5% Occurrence	37	35	25	8.7	N
99.0% Occurrence	32	30	21	9.6	N
99.6% Occurrence	29	27	17	9.9	N
Median of Extreme Lows	24	22	12	10.2	N
	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	83	90	154	10.2	S
0.4% Occurrence	82	89	149	9.9	S
1.0% Occurrence	81	88	144	9.7	S
2.0% Occurrence	80	87	140	9.4	S
	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	162	86	1.07	10.5	S
0.4% Occurrence	155	86	1.04	8.6	S
1.0% Occurrence	151	85	1.00	8.3	S
2.0% Occurrence	146	84	0.97	8.6	S
Air Conditioning/ Humid Area Criteria	# of Hours	T ≥ 93°F	T ≥ 80°F	T _{wb} ≥ 73°F	T _{wb} ≥ 67°F
		80	1811	2879	4361

Other Site Data

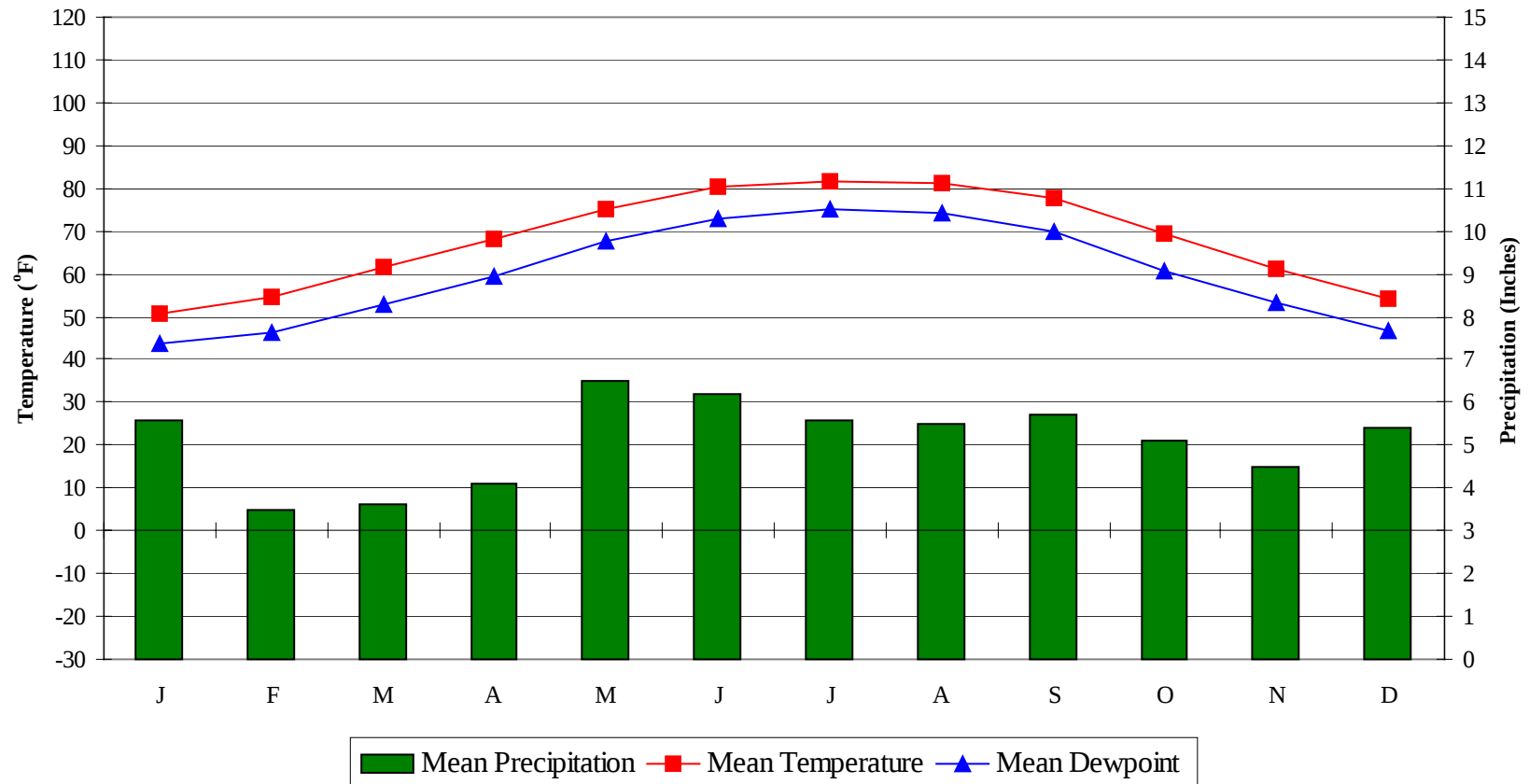
Weather Region	Rain Rate 100 Year Recurrence (in./hr)	Basic Wind Speed 3 sec gust @ 33 ft 50 Year Recurrence (mph)	Ventilation Cooling Load Index (Ton-hr/cfm/yr) Base 75°F-RH 60% Latent + Sensible
10	4.5	120	10.0 + 2.0
Ground Water Temperature (°F) 50 Foot Depth *	Frost Depth 50 Year Recurrence (in.)	Ground Snow Load 50 Year Recurrence (lb/ft ²)	Average Annual Freeze-Thaw Cycles (#)
70.4	N/A	0	8

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

BEAUMONT/PORT ARTHUR TX

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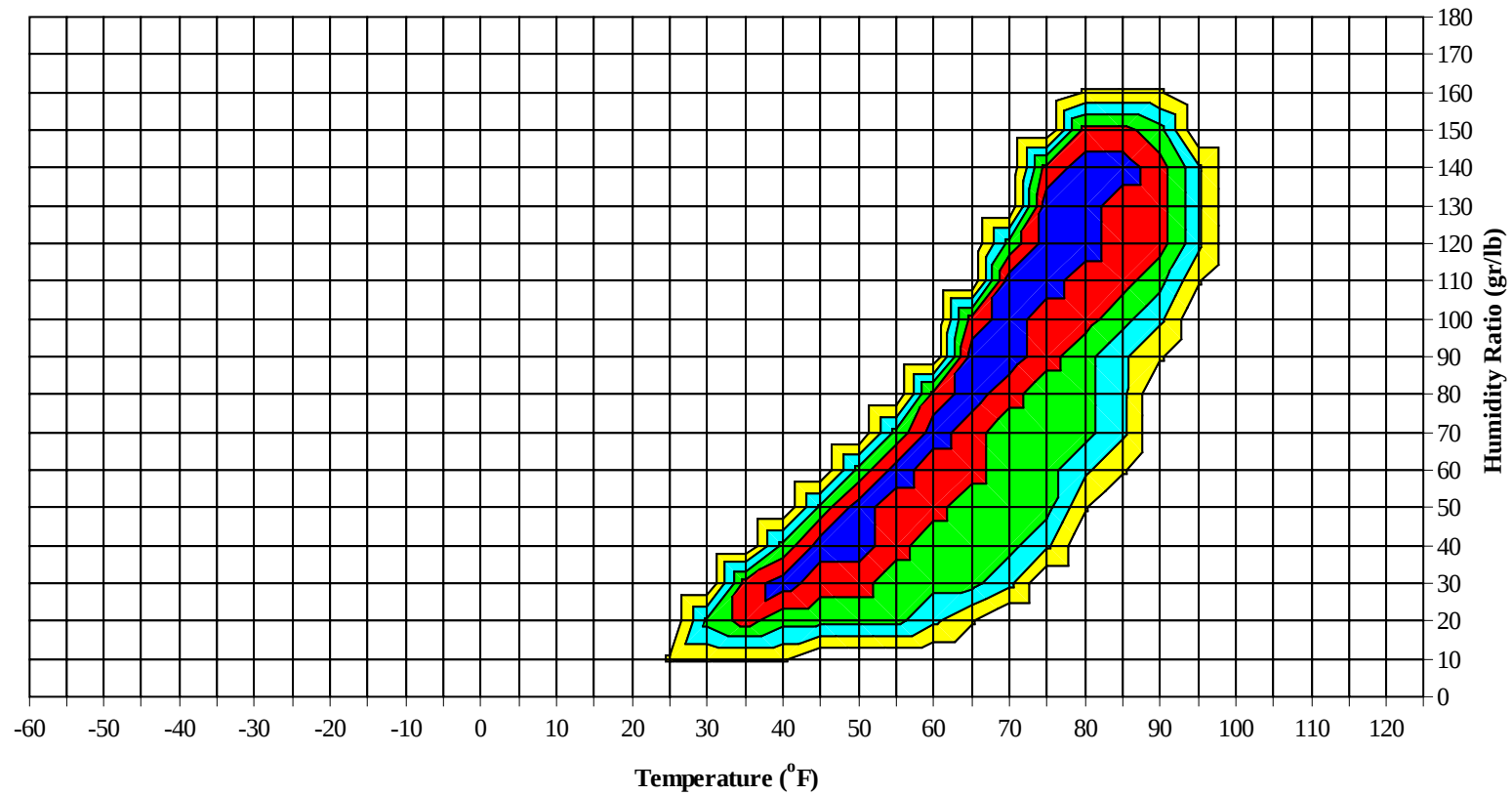
Average Annual Climate



BEAUMONT/PORT ARTHUR TX

WMO No. 722410

Long Term Psychrometric Summary

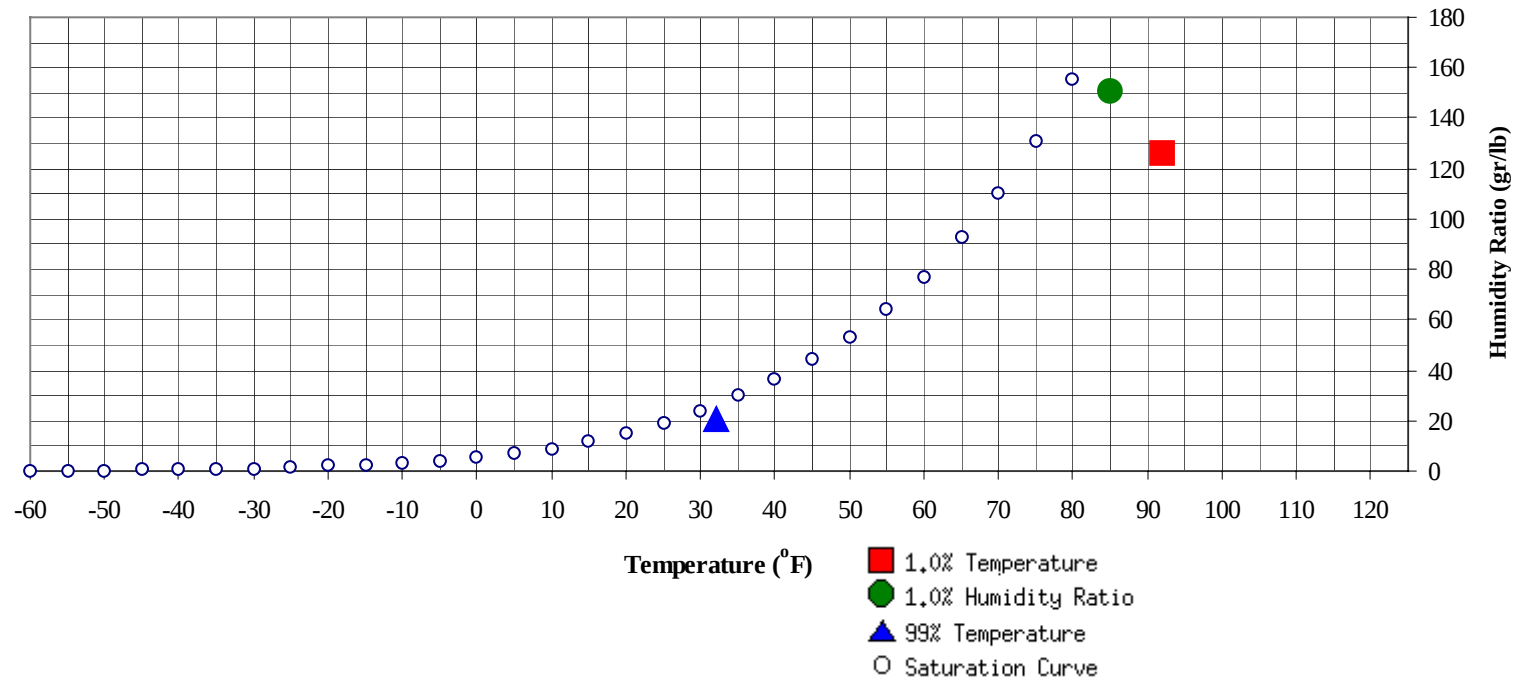


- 50% of all observations
- 80% of all observations
- 95% of all observations
- 97.5% of all observations
- 99% of all observations

BEAUMONT/PORT ARTHUR TX

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Psychrometric Summary of Peak Design Values



	(°F)	MCHR	Enthalpy	1.0% Humidity Ratio	(gr/lb)	MCDB	MCWB	MC Dewpt	Enthalpy
		(gr/lb)	(btu/lb)			(°F)	(°F)	(°F)	(btu/lb)
99% Dry Bulb	32	21	10.9	Ratio	150.5	84.9	80.5	79	44.0

1.0% Dry Bulb	(°F)	MCHR	MCWB	Enthalpy
		(gr/lb)	(°F)	(btu/lb)
92	125.7	78.7	41.9	

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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	69.2		1	0	1	64.5		0	0	0	69.9
75 / 79		3	0	3	68.3		10	1	11	65.4		7	0	7	69.0
70 / 74	0	22	4	26	65.9	1	36	8	45	64.3	0	40	6	46	67.2
65 / 69	14	33	22	69	62.8	19	42	32	93	62.1	16	67	37	120	65.7
60 / 64	21	38	29	88	58.0	29	34	40	103	58.0	49	53	59	161	62.5
55 / 59	26	37	37	100	53.1	30	30	40	100	53.0	41	35	55	131	57.7
50 / 54	36	41	45	122	48.5	34	27	35	96	48.0	42	20	42	104	52.9
45 / 49	37	31	43	110	43.6	40	19	33	92	43.7	42	13	25	80	48.6
40 / 44	45	24	35	104	39.1	33	12	19	64	39.2	30	8	15	53	43.8
35 / 39	38	12	21	71	34.7	21	7	11	39	34.5	16	3	7	26	39.3
30 / 34	20	6	10	36	30.1	12	5	6	23	30.0	7	1	2	10	34.6
25 / 29	7	1	3	11	25.0	5	0	1	6	25.6	4	0	0	4	30.0
20 / 24	3	0	0	3	20.1	1	0		1	20.9	1	0	0	1	25.2
15 / 19	1	0		1	15.9	0			0		0		0	0	21.8
10 / 14															

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.

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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												2	0	2	78.6
90 / 94		0		0	65.2		5	0	5	75.1	48	6	54	78.1	
85 / 89		6	1	7	69.0	0	52	7	59	75.4	5	109	32	146	77.4
80 / 84		37	4	41	70.3	6	102	33	141	73.5	37	51	72	161	76.2
75 / 79	8	85	31	124	68.9	59	56	85	201	72.2	121	22	96	239	74.6
70 / 74	54	59	74	187	67.1	83	22	72	178	69.4	56	6	29	91	71.0
65 / 69	55	28	57	140	63.1	56	8	38	102	65.0	16	1	5	22	65.3
60 / 64	46	14	39	99	58.4	29	2	11	42	60.1	4		1	5	61.3
55 / 59	33	8	21	62	53.7	11		2	13	55.6	1			1	56.9
50 / 54	29	2	11	42	49.2	3		0	3	51.2					
45 / 49	11	1	3	15	44.8	0			0	47.3					
40 / 44	3	0	0	3	40.6										
35 / 39	1			1	35.6										
30 / 34	0			0	33.0										
25 / 29															
20 / 24															
15 / 19															
10 / 14															

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BEAUMONT/PORT ARTHUR TX

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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	0	76.8										
95 / 99		8	1	9	79.2		9	1	10	78.6		3	0	3	77.7
90 / 94		84	12	96	79.4	0	78	10	88	79.0		33	2	35	77.8
85 / 89	8	103	43	154	78.8	4	98	37	139	78.4	1	86	17	104	76.7
80 / 84	44	32	80	156	77.6	35	40	71	147	77.3	17	63	50	130	75.2
75 / 79	150	16	96	262	75.5	148	19	108	275	75.3	93	35	97	225	73.8
70 / 74	44	4	16	64	72.1	56	3	20	79	71.6	68	14	45	127	69.9
65 / 69	2		0	2	67.2	5		1	6	64.9	33	4	18	55	64.0
60 / 64	0			0	60.0	0			0	60.3	17	1	8	26	58.9
55 / 59											9	0	3	12	54.7
50 / 54											3		0	3	51.3
45 / 49															
40 / 44															
35 / 39															
30 / 34															
25 / 29															
20 / 24															
15 / 19															
10 / 14															

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BEAUMONT/PORT ARTHUR TX

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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															
90 / 94		3		3	75.9										
85 / 89	0	29	1	30	74.3		1		1	70.4					
80 / 84	4	67	13	84	72.0	0	20	0	20	72.5		1		1	74.8
75 / 79	24	61	42	128	70.3	5	45	11	61	70.6	1	17		19	70.4
70 / 74	46	43	61	150	67.5	34	41	41	116	68.1	10	34	14	58	67.7
65 / 69	46	26	50	122	63.1	30	38	38	106	62.7	25	34	32	91	63.5
60 / 64	45	11	39	95	58.8	31	36	38	105	57.6	28	40	35	103	57.9
55 / 59	38	5	26	69	54.2	33	26	35	94	52.9	24	37	33	94	52.6
50 / 54	28	2	13	43	50.1	34	19	36	89	48.2	32	32	40	104	48.1
45 / 49	11	0	3	14	45.7	32	9	22	63	44.1	38	26	40	104	44.0
40 / 44	3	0	1	4	41.2	21	4	13	38	39.7	36	15	30	81	39.4
35 / 39	1		0	1	35.7	14	2	4	20	35.7	28	7	14	49	34.9
30 / 34	0			0	30.7	5	0	1	6	31.3	16	2	6	24	30.1
25 / 29						1		0	1	26.7	6	2	2	10	25.2
20 / 24						0			0	23.0	2	1	1	4	20.1
15 / 19											1	0	1	2	14.4
10 / 14											0			0	10.8

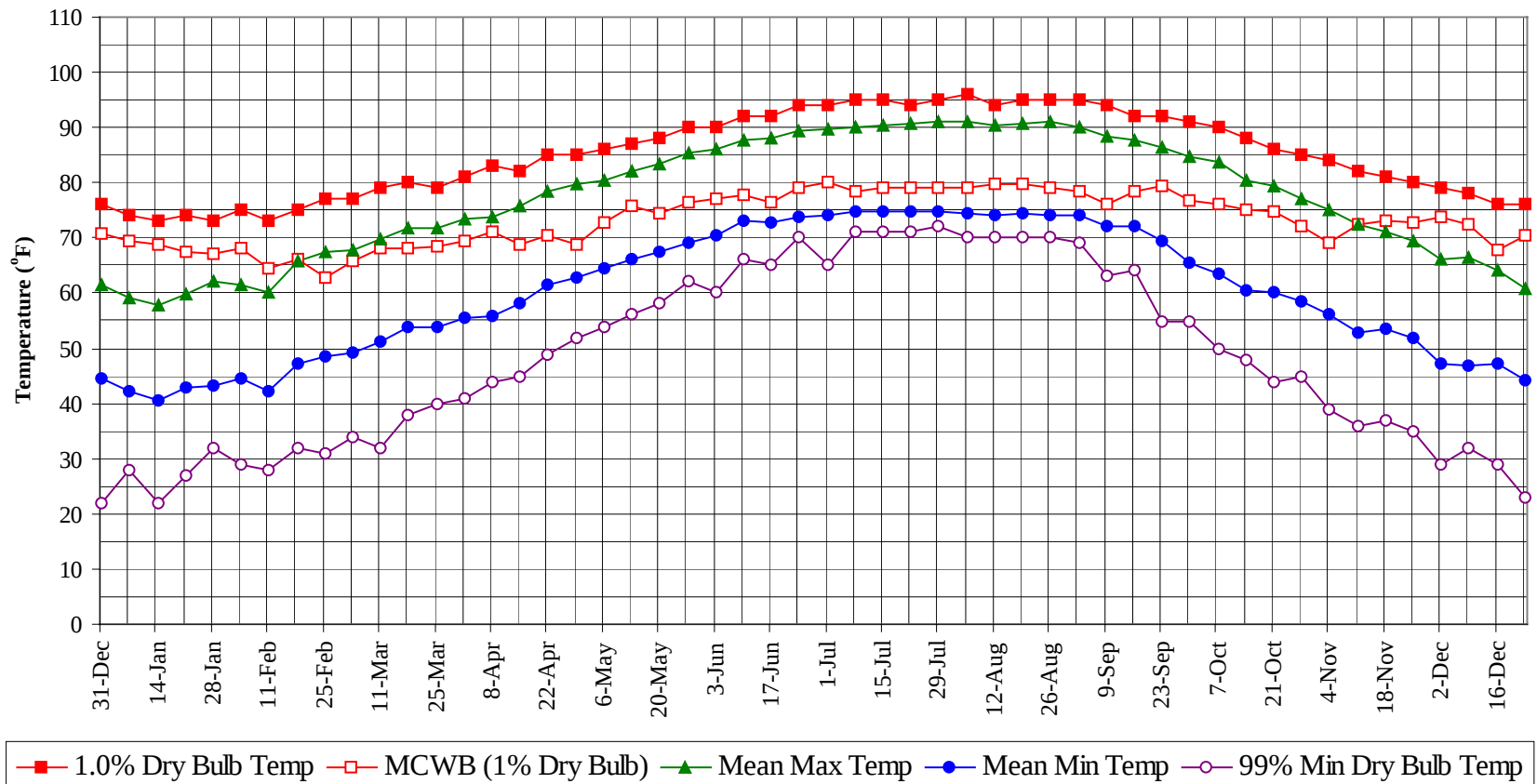
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BEAUMONT/PORT ARTHUR TX WMO No. 722410
Dry-Bulb Temperature Hours For An Average Year (Sheet 5 of 5)
Period of Record = 1973 to 1996

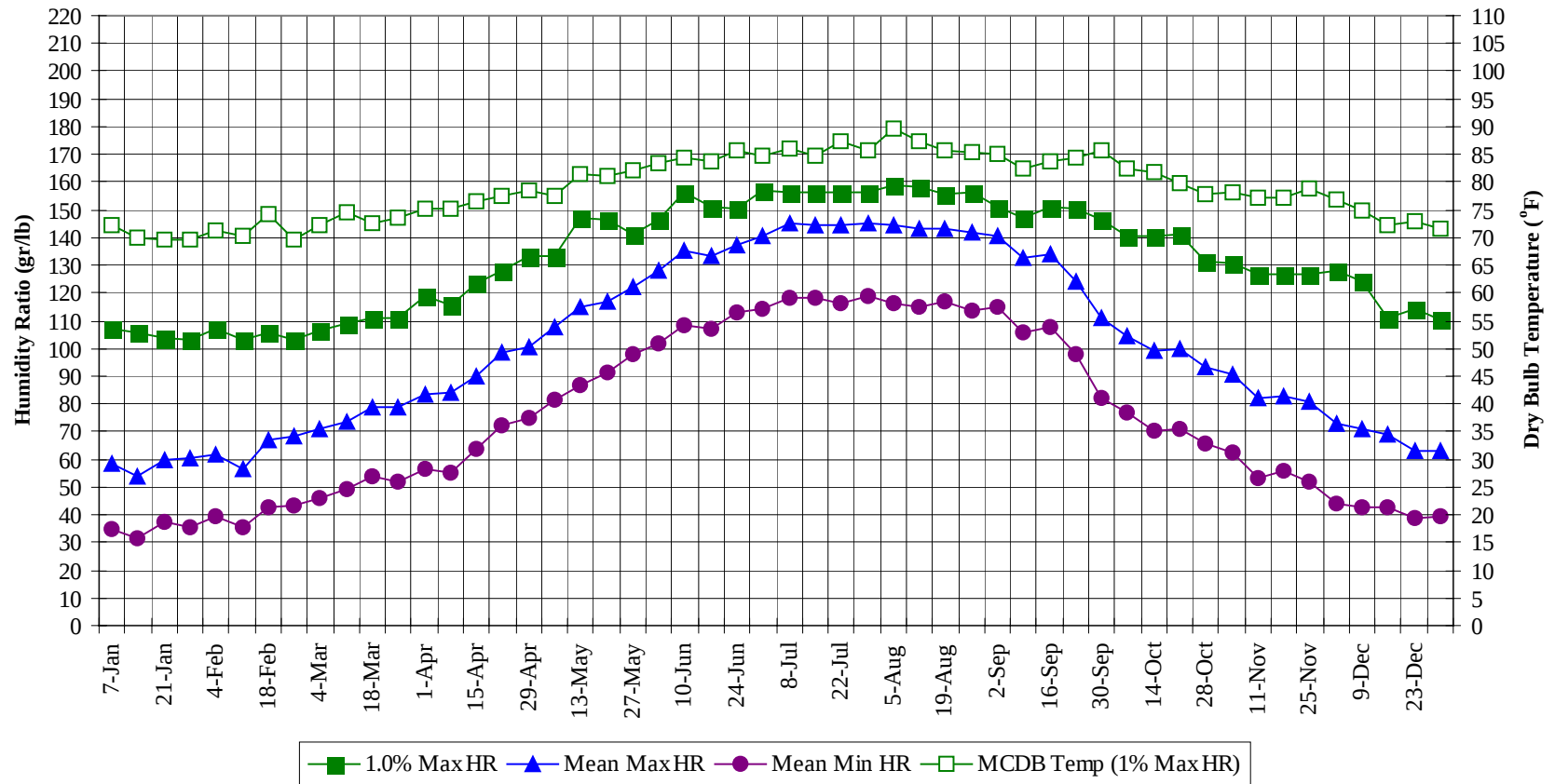
Annual Totals					
Temperature Range (°F)	Hour Group (LST)			Total Obs	M C W B (°F)
	01 To 08	09 To 16	17 To 00		
100 / 104		0	0	0	76.8
95 / 99		22	1	23	78.7
90 / 94	0	251	30	281	78.7
85 / 89	19	483	136	639	77.4
80 / 84	143	418	322	883	75.2
75 / 79	603	410	572	1586	73.2
70 / 74	464	355	418	1237	68.4
65 / 69	348	267	350	966	63.2
60 / 64	293	211	294	798	58.2
55 / 59	247	165	240	652	53.2
50 / 54	243	136	206	585	48.5
45 / 49	201	93	160	455	43.9
40 / 44	159	60	106	325	39.3
35 / 39	111	29	53	193	34.8
30 / 34	57	14	24	95	30.2
25 / 29	21	4	6	31	25.3
20 / 24	7	1	1	9	20.3
15 / 19	2	0	1	3	15.0
10 / 14	0			0	10.8
			</		

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

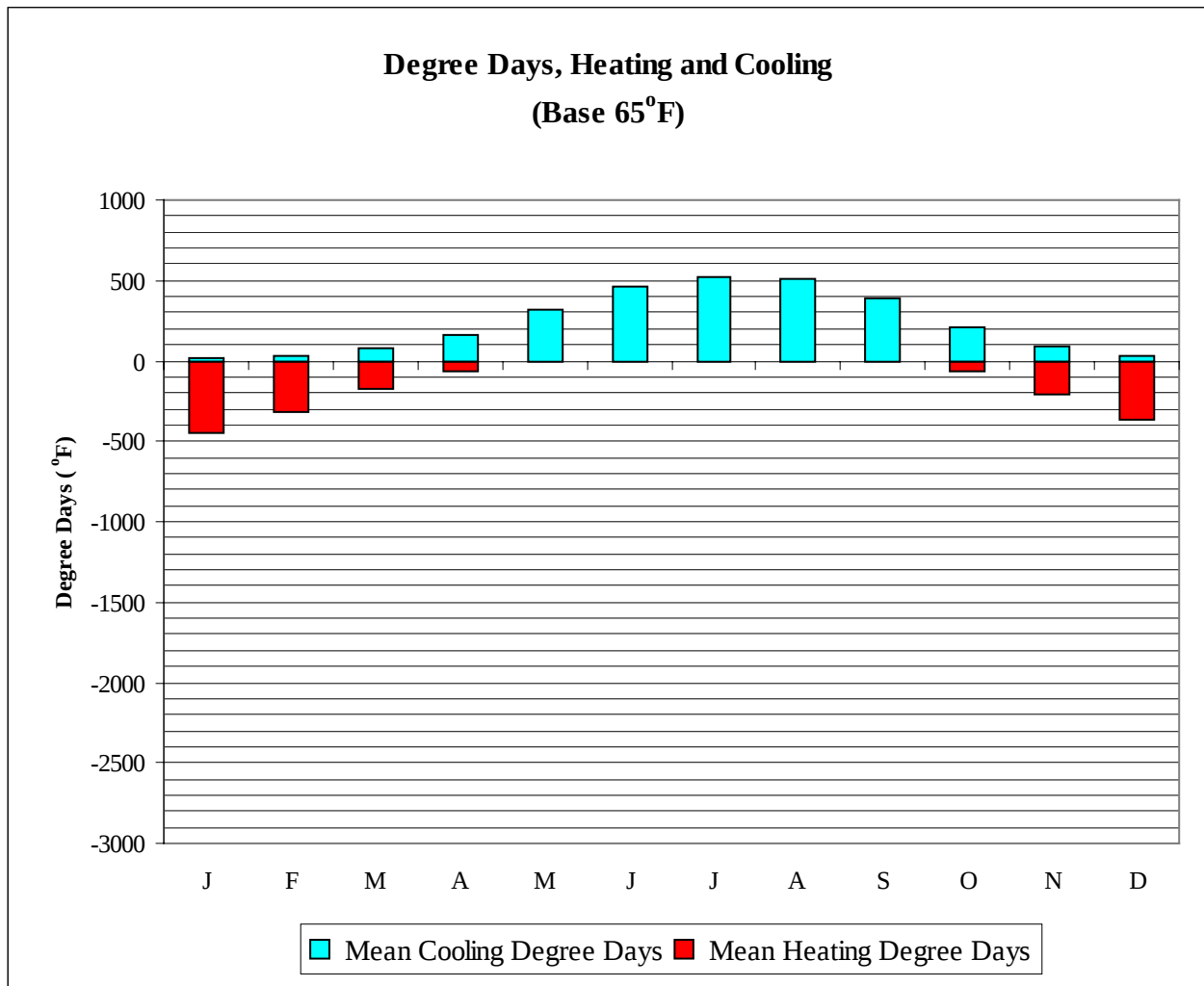


BEAUMONT/PORT ARTHUR TX

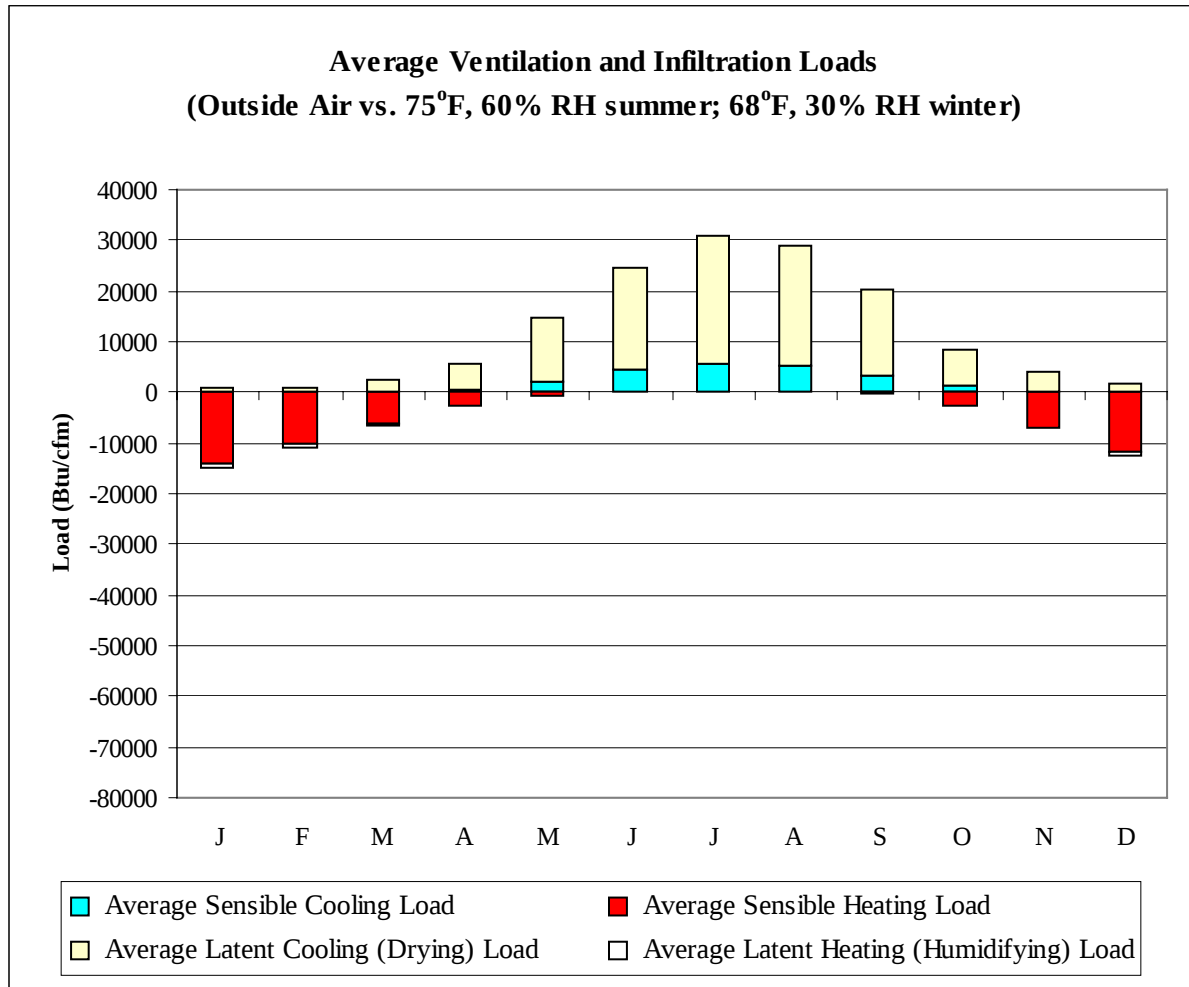
WMO No. 722410

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	74.0	69.3	59.1	42.2	28.0	107.1	72.2	58.5	34.6
14-Jan	73.0	68.8	57.8	40.4	22.0	105.7	70.1	54.0	31.6
21-Jan	74.0	67.4	60.0	43.0	27.0	103.6	69.8	59.7	37.7
28-Jan	73.0	67.0	62.1	43.4	32.0	102.9	69.6	60.3	35.8
4-Feb	75.0	68.2	61.6	44.6	29.0	107.1	71.2	62.0	39.6
11-Feb	73.0	64.4	60.0	42.4	28.0	102.9	70.4	56.7	35.2
18-Feb	75.0	66.0	65.7	47.3	32.0	105.7	74.1	67.0	42.5
25-Feb	77.0	62.7	67.5	48.6	31.0	102.9	69.7	68.5	43.7
4-Mar	77.0	65.8	67.9	49.2	34.0	106.4	72.3	70.7	45.8
11-Mar	79.0	68.3	69.7	51.1	32.0	109.2	74.6	73.4	49.5
18-Mar	80.0	68.1	71.7	53.9	38.0	111.3	72.5	78.7	53.7
25-Mar	79.0	68.3	71.7	53.9	40.0	111.3	73.4	78.6	52.0
1-Apr	81.0	69.4	73.5	55.4	41.0	119.0	75.0	83.4	56.5
8-Apr	83.0	71.3	73.9	55.9	44.0	115.5	75.2	84.0	55.5
15-Apr	82.0	68.8	75.7	58.2	45.0	123.2	76.6	90.2	63.8
22-Apr	85.0	70.5	78.3	61.4	49.0	128.1	77.4	98.8	72.2
29-Apr	85.0	68.9	79.8	62.9	52.0	133.0	78.3	100.2	75.0
6-May	86.0	72.9	80.5	64.6	54.0	133.0	77.6	108.0	81.5
13-May	87.0	75.9	82.1	66.1	56.0	147.0	81.4	115.0	86.9
20-May	88.0	74.5	83.4	67.4	58.0	146.3	81.2	116.7	91.2
27-May	90.0	76.6	85.5	69.3	62.0	141.4	82.2	122.3	98.1
3-Jun	90.0	77.1	86.0	70.5	60.0	146.3	83.4	127.9	101.6
10-Jun	92.0	77.8	87.8	73.0	66.0	156.1	84.3	135.6	108.6
17-Jun	92.0	76.5	88.2	72.7	65.0	151.2	83.6	133.4	107.2
24-Jun	94.0	79.2	89.4	73.7	70.0	150.5	85.7	137.4	112.7
1-Jul	94.0	80.0	89.6	74.0	65.0	156.8	84.6	140.3	114.3
8-Jul	95.0	78.3	90.2	74.8	71.0	156.1	86.2	145.0	117.9
15-Jul	95.0	79.0	90.5	74.8	71.0	156.1	84.7	144.7	118.3
22-Jul	94.0	79.0	90.9	74.7	71.0	156.1	87.2	144.3	116.5
29-Jul	95.0	78.9	91.0	74.6	72.0	156.1	85.6	145.2	118.6
5-Aug	96.0	79.0	91.1	74.4	70.0	158.9	89.7	144.3	116.3
12-Aug	94.0	79.7	90.3	74.1	70.0	158.2	87.5	142.9	115.1
19-Aug	95.0	79.8	90.8	74.5	70.0	155.4	85.8	142.9	117.1
26-Aug	95.0	79.0	91.0	74.0	70.0	156.1	85.4	141.6	113.6
2-Sep	95.0	78.3	89.9	74.0	69.0	151.2	85.1	140.6	115.0
9-Sep	94.0	76.0	88.6	72.2	63.0	147.0	82.5	132.6	105.9
16-Sep	92.0	78.5	87.9	72.2	64.0	151.2	83.8	134.2	107.5
23-Sep	92.0	79.6	86.3	69.6	55.0	150.5	84.2	124.2	97.5
30-Sep	91.0	76.6	84.6	65.5	55.0	146.3	85.7	110.9	82.4
7-Oct	90.0	76.2	83.7	63.4	50.0	140.7	82.4	104.4	76.9
14-Oct	88.0	75.2	80.5	60.4	48.0	140.7	81.7	99.2	70.6
21-Oct	86.0	74.7	79.5	60.1	44.0	141.4	79.8	99.5	71.1
28-Oct	85.0	72.0	77.2	58.4	45.0	131.6	77.8	93.5	65.7
4-Nov	84.0	69.2	75.1	56.2	39.0	130.9	78.2	90.5	62.2
11-Nov	82.0	72.4	72.4	52.8	36.0	126.7	77.3	82.2	53.0
18-Nov	81.0	73.0	71.2	53.4	37.0	126.7	77.3	82.5	55.6
25-Nov	80.0	72.9	69.4	51.9	35.0	126.7	78.7	80.8	52.2
2-Dec	79.0	73.9	66.3	47.2	29.0	128.1	76.8	72.6	43.9
9-Dec	78.0	72.3	66.6	47.0	32.0	123.9	74.9	70.9	42.7
16-Dec	76.0	67.9	64.1	47.0	29.0	111.3	72.1	68.8	42.9
23-Dec	76.0	70.5	60.9	44.1	23.0	114.1	73.0	63.0	39.0
31-Dec	76.0	71.0	61.4	44.6	22.0	110.6	71.7	62.8	39.5



	Mean Cooling Degree Days (°F)	Mean Heating Degree Days (°F)
JAN	14	451
FEB	25	318
MAR	73	176
APR	159	68
MAY	321	10
JUN	458	1
JUL	522	0
AUG	506	0
SEP	386	8
OCT	205	71
NOV	85	207
DEC	33	369
ANN	2787	1679



	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	4	-13894	755	-1128
FEB	20	-10096	925	-742
MAR	121	-6109	2538	-288
APR	568	-2652	5270	-37
MAY	2220	-535	12404	0
JUN	4556	-52	19886	0
JUL	5638	-2	25109	0
AUG	5307	-7	23706	0
SEP	3452	-388	16644	0
OCT	1260	-2719	7290	-19
NOV	247	-6860	3826	-280
DEC	30	-11544	1808	-861
ANN	23423	-54858	120161	-3355

Average Annual Solar Radiation – Nearest Available Site

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

City: PORT ARTHUR
 State: TX
 WBAN No: 12917
 Lat(N): 29.95
 Long(W): 94.02
 Elev(ft): 23

Stn Type: Secondary
 SHADING GEOMETRY IN DIMENSIONLESS UNITS
 Window: 1
 Overhang: 0.875
 Vert Gap: 0.648

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	860	1110	1370	1630	1850	1990	1920	1810	1580	1360	980	810	1440
	Std Dev	69	94	109	140	136	136	110	102	88	96	85	55	32
	Minimum	730	920	1190	1370	1570	1730	1640	1650	1400	1130	710	710	1380
	Maximum	990	1280	1620	2040	2190	2190	2120	1970	1750	1520	1160	930	1500
	Diffuse	430	490	630	750	830	840	860	790	680	510	420	380	640
Clear Day	Global	1300	1610	2000	2330	2500	2550	2490	2330	2040	1670	1330	1190	1950
NORTH	Global	260	310	380	460	560	630	600	500	410	340	280	240	410
	Diffuse	260	310	380	450	500	520	510	470	410	340	280	240	390
Clear Day	Global	240	290	350	430	590	690	640	490	390	320	260	230	410
EAST	Global	510	650	760	880	970	1050	1030	1010	910	800	590	500	810
	Diffuse	310	370	460	540	600	630	620	590	520	430	330	290	470
Clear Day	Global	870	1020	1190	1310	1350	1330	1310	1260	1170	1020	860	800	1130
SOUTH	Global	1020	1090	970	800	650	580	610	760	990	1230	1150	1050	910
	Diffuse	400	450	500	520	520	510	520	540	540	500	430	380	490
Clear Day	Global	2000	1890	1550	1070	730	610	660	910	1330	1700	1890	1960	1350
WEST	Global	540	680	810	920	1010	1060	1010	970	890	820	620	510	820
	Diffuse	310	380	460	550	610	630	620	590	520	430	340	290	480
Clear Day	Global	870	1020	1190	1310	1350	1330	1310	1260	1170	1020	860	800	1130

Average Annual Solar Heat and Illumination – Nearest Available Site

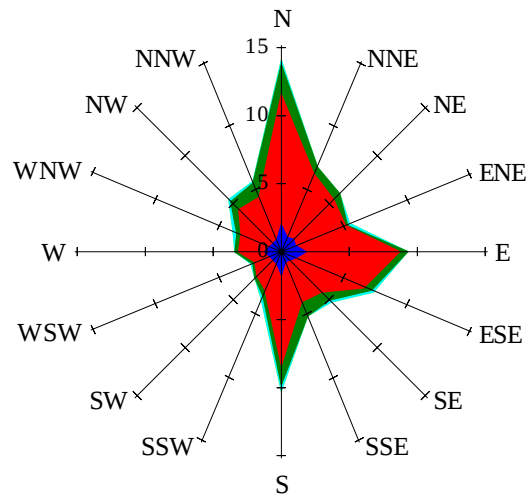
(Source: National Renewable Energy Laboratory, Golden CO, 1995)

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	590	780	980	1180	1350	1450	1400	1320	1140	970	680	550	1030
NORTH	Unshaded	180	220	270	310	360	400	380	330	280	240	190	170	280
	Shaded	160	190	230	270	310	350	330	290	250	210	170	140	240
EAST	Unshaded	350	460	540	620	680	740	730	720	650	560	410	340	570
	Shaded	300	390	450	510	560	610	610	590	540	470	350	300	470
SOUTH	Unshaded	750	770	640	490	390	370	380	460	630	850	840	780	610
	Shaded	700	630	380	310	320	320	320	330	340	610	760	750	480
WEST	Unshaded	370	480	570	650	720	750	710	690	630	580	430	350	580
	Shaded	320	410	480	540	590	610	590	570	530	490	370	300	480

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	41	80	94	78	37	37	79	102	98	70
	M.Cloudy	22	48	57	45	22	27	60	77	75	52
NORTH	M.Clear	10	15	16	15	10	23	18	17	18	20
	M.Cloudy	9	17	19	16	9	17	18	19	19	19
EAST	M.Clear	77	63	16	15	10	63	73	37	18	17
	M.Cloudy	22	33	19	16	9	37	52	32	19	17
SOUTH	M.Clear	33	62	72	60	29	12	18	29	28	17
	M.Cloudy	14	33	41	31	14	11	18	26	26	17
WEST	M.Clear	10	15	18	67	75	12	17	17	48	75
	M.Cloudy	9	17	19	33	26	11	18	19	39	50
M.Clear	(% hrs)	31	29	29	32	35	45	37	36	40	43
		Sept					Dec				
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	24	69	92	87	54	22	55	64	47	10
	M.Cloudy	17	49	64	64	40	12	31	37	26	7
NORTH	M.Clear	9	16	18	17	14	7	12	13	10	4
	M.Cloudy	7	16	18	19	14	5	12	14	10	3
EAST	M.Clear	54	73	35	17	14	54	48	13	10	4
	M.Cloudy	24	45	29	19	14	14	22	14	10	3
SOUTH	M.Clear	15	46	63	60	36	44	81	90	73	24
	M.Cloudy	9	31	43	42	24	12	31	37	26	7
WEST	M.Clear	9	16	18	51	73	7	12	20	56	35
	M.Cloudy	7	16	18	38	43	5	12	16	22	9
M.Clear	(% hrs)	50	40	36	35	39	31	31	31	33	34

Wind Summary - December, January, and February

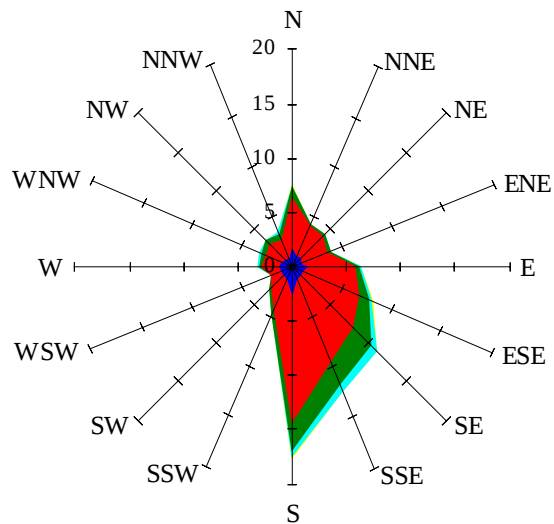
Labels of Percent Frequency on North Axis



Percent Calm = 4.40

Wind Summary - March, April, and May

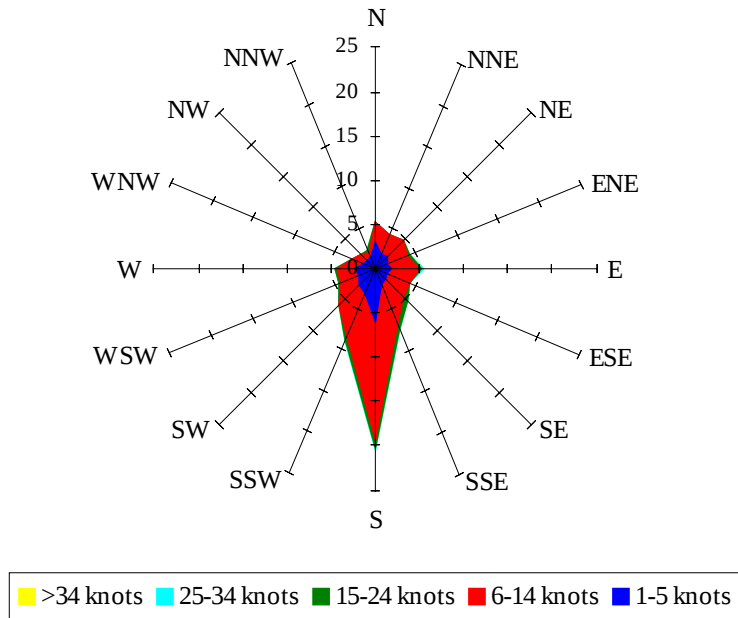
Labels of Percent Frequency on North Axis



Percent Calm = 3.63

Wind Summary - June, July, and August

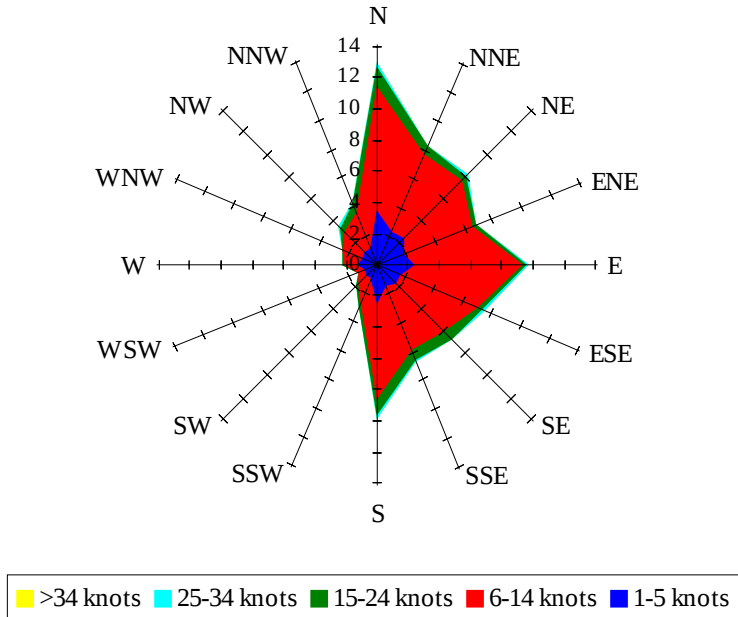
Labels of Percent Frequency on North Axis



Percent Calm = 9.71

Wind Summary - September, October, and November

Labels of Percent Frequency on North Axis



Percent Calm = 6.33