

CHASE NAS/BEEVILLE TX

Latitude = 28.37 N

WMO No. 722556

Longitude = 97.67 W

Elevation = 190 feet

Period of Record = 1973 to 1992

Average Pressure = 29.76 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	102	77	102	8.6	S
0.4% Occurrence	99	77	107	9.9	SSE
1.0% Occurrence	97	77	111	10.5	SE
2.0% Occurrence	95	77	113	10.5	SSE
Mean Daily Range	20	-	-	-	-
97.5% Occurrence	39	36	25	7.5	N
99.0% Occurrence	33	30	19	8.7	N
99.6% Occurrence	29	26	15	9.7	N
Median of Extreme Lows	22	19	9	10.9	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	84	91	162	7.5	SSE
0.4% Occurrence	82	91	148	9.1	SSE
1.0% Occurrence	81	90	142	9.4	SSE
2.0% Occurrence	80	89	137	9.5	SSE
	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	180	88	1.18	5.2	NE
0.4% Occurrence	153	86	1.00	9.9	SE
1.0% Occurrence	148	83	0.97	7.9	SSE
2.0% Occurrence	143	83	0.94	8.7	SE
Air Conditioning/ Humid Area Criteria	# of Hours	T ≥ 93°F	T ≥ 80°F	T _{wb} ≥ 73°F	T _{wb} ≥ 67°F
		386	2346	2926	4628

Other Site Data

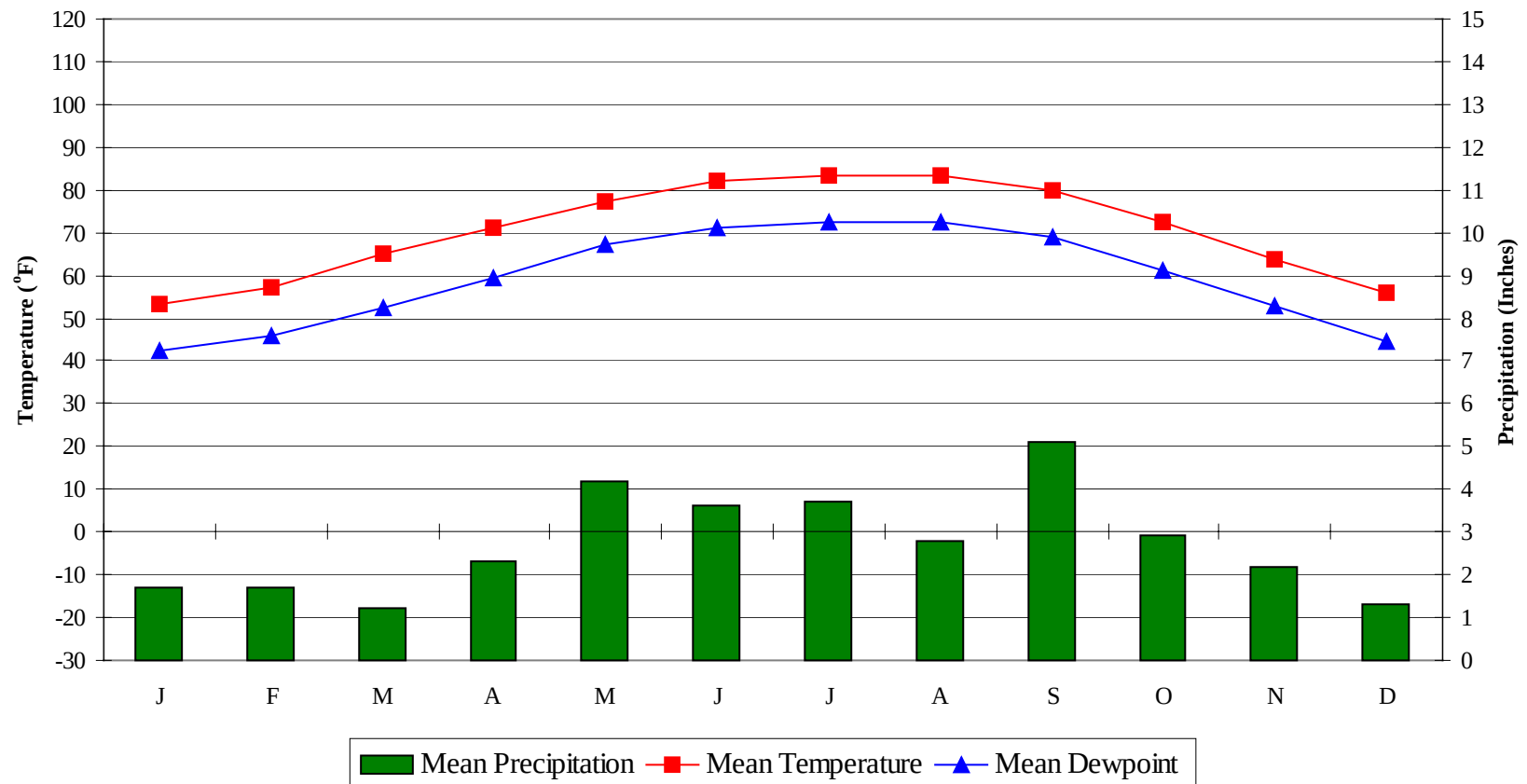
Weather Region	Rain Rate 100 Year Recurrence (in./hr)	Basic Wind Speed 3 sec gust @ 33 ft 50 Year Recurrence (mph)	Ventilation Cooling Load Index (Ton-hr/cfm/yr) Base 75°F-RH 60% Latent + Sensible
10	4.4	110	9.3 + 2.7
Ground Water Temperature (°F) 50 Foot Depth *	Frost Depth 50 Year Recurrence (in.)	Ground Snow Load 50 Year Recurrence (lb/ft ²)	Average Annual Freeze-Thaw Cycles (#)
73.0	N/A	N/A	6

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

CHASE NAS/BEEVILLE TX

WMO No. 722556

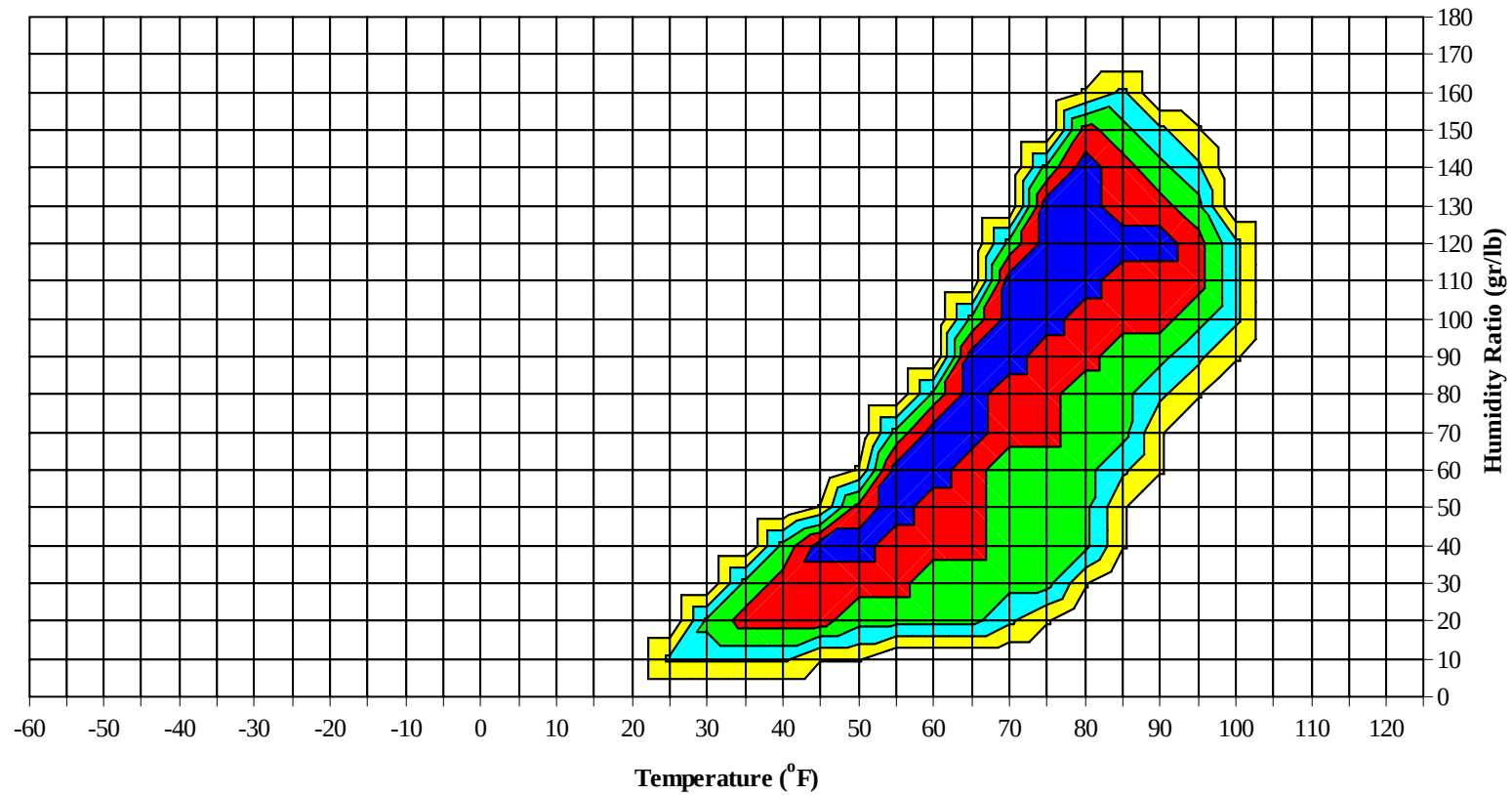
Average Annual Climate



CHASE NAS/BEEVILLE TX

WMO No. 722556

Long Term Psychrometric Summary

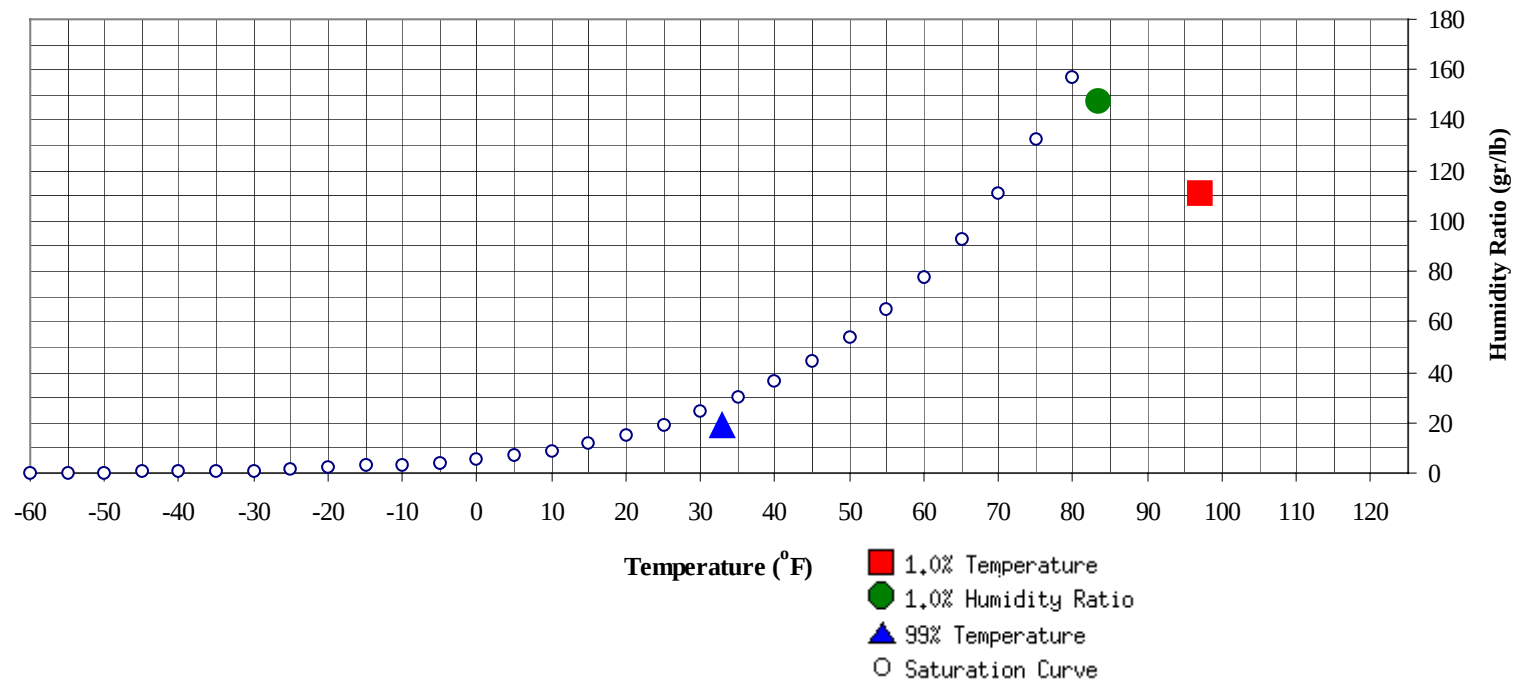


- 50% of all observations
- 80% of all observations
- 95% of all observations
- 97.5% of all observations
- 99% of all observations

CHASE NAS/BEEVILLE TX

WMO No. 722556

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)
	33	19.3	10.9		147.7	83.5	79.4	78.1	43.2

1.0% Dry Bulb	(°F)	MCHR (gr/lb)	MCWB (°F)	Enthalpy (btu/lb)
	97	111.1	77.4	40.8

CHASE NAS/BEEVILLE TX

WMO No. 722556

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

Period of Record = 1973 to 1992

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		
105 / 109															
100 / 104															
95 / 99							0	0	0	66.1		1	0	1	65.2
90 / 94							1	0	1	65.4		2	0	2	67.8
85 / 89		1	0	1	67.4		2	1	3	65.9		9	2	11	68.3
80 / 84		4	1	5	67.5		8	2	10	64.9		29	8	37	66.8
75 / 79		19	4	23	65.0		26	7	33	63.9	1	56	21	78	65.4
70 / 74	8	28	17	53	63.8	5	36	20	61	62.8	33	59	57	149	65.1
65 / 69	12	32	27	71	59.8	19	35	37	91	60.5	49	39	57	145	61.9
60 / 64	22	35	33	89	55.8	30	32	40	102	56.6	41	25	44	110	56.5
55 / 59	26	33	38	96	51.4	32	29	38	99	51.6	41	14	33	88	51.5
50 / 54	37	31	40	107	47.3	39	20	32	91	47.3	39	7	16	62	47.4
45 / 49	44	26	36	105	43.0	38	14	22	74	43.0	27	5	7	39	42.8
40 / 44	44	20	29	92	38.4	28	11	13	52	38.6	11	2	3	16	38.0
35 / 39	31	12	15	58	34.2	19	5	7	31	34.1	3	1	1	5	32.5
30 / 34	15	6	7	28	29.5	8	2	3	13	29.3	2	0	0	2	28.7
25 / 29	7	2	3	12	24.9	4	2	2	8	24.9	0	0		0	23.6
20 / 24	3	0	0	3	19.4	0	0		0	20.9		0		0	
15 / 19	1	0		1	15.6										
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.

CHASE NAS/BEEVILLE TX

WMO No. 722556

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

Period of Record = 1973 to 1992

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		
105 / 109												0		0	79.0
100 / 104		0		0	74.0		1	0	1	72.5		3	0	3	78.0
95 / 99		1	0	1	73.2		7	1	8	77.1		26	4	30	77.8
90 / 94		8	1	9	71.2		31	5	36	76.0	0	81	20	101	77.3
85 / 89		27	6	33	70.9	0	67	18	85	74.6	4	81	41	127	76.0
80 / 84	0	64	17	81	69.4	13	76	50	139	73.1	41	32	72	146	75.6
75 / 79	17	66	54	137	68.4	78	42	90	210	72.0	125	11	82	218	73.5
70 / 74	72	35	71	178	66.9	84	16	56	156	68.7	59	4	18	81	69.8
65 / 69	57	21	48	126	62.1	47	5	22	74	63.7	9	1	2	12	63.7
60 / 64	40	11	23	74	57.2	20	2	5	27	58.3	2		0	2	58.6
55 / 59	28	5	13	46	52.3	6	0	1	7	53.9	0			0	57.4
50 / 54	17	2	5	24	47.6	1		0	1	49.7					
45 / 49	7		2	9	43.2	0			0	48.0					
40 / 44	2		0	2	37.9										
35 / 39	1			1	34.5										
30 / 34	0			0	30.0										
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.

CHASE NAS/BEEVILLE TX

WMO No. 722556

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

Period of Record = 1973 to 1992

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		
105 / 109		0		0	76.5		1		1	78.4					
100 / 104		9	0	9	76.9		12	1	13	77.9		3	0	3	76.6
95 / 99		53	8	61	76.9		58	10	68	77.8		20	2	22	77.3
90 / 94		85	29	114	77.2	0	83	27	110	77.4	0	66	10	76	76.7
85 / 89	5	62	43	110	76.8	4	59	41	104	77.2	1	69	28	98	75.6
80 / 84	40	24	82	146	76.2	41	22	87	150	76.5	18	46	64	128	74.5
75 / 79	157	11	78	246	74.3	160	9	73	242	74.4	107	24	89	220	73.0
70 / 74	45	3	8	56	71.3	41	3	9	53	71.1	70	8	34	112	68.7
65 / 69	1	0	0	1	66.7	2		0	2	63.9	26	3	8	37	62.0
60 / 64											12	1	4	17	56.7
55 / 59											5	0	1	6	52.7
50 / 54											1		0	1	49.7
45 / 49											0			0	46.4
40 / 44															
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.

CHASE NAS/BEEVILLE TX

WMO No. 722556

Dry-Bulb Temperature Hours For An Average Year (Sheet 4 of 5)

Period of Record = 1973 to 1992

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		
105 / 109															
100 / 104		0		0	71.8										
95 / 99		3	0	3	75.0		0		0	81.5					
90 / 94		18	2	20	75.5		1	0	1	70.9					
85 / 89	0	53	9	62	73.2		11	1	12	72.6			0	2	67.2
80 / 84	3	67	28	98	71.1		40	5	45	70.6			11	1	12 68.3
75 / 79	34	49	62	145	70.1	8	46	28	82	69.0			31	6	38 66.6
70 / 74	51	30	59	140	66.7	38	37	49	124	66.5	16	33	25	74	65.1
65 / 69	61	14	45	120	62.2	33	32	38	103	61.0	21	32	33	86	60.7
60 / 64	46	8	23	77	57.4	38	28	40	106	56.4	22	35	34	91	56.0
55 / 59	28	4	13	45	53.2	37	20	33	90	51.7	27	31	38	96	51.4
50 / 54	16	3	4	23	48.3	31	14	22	67	46.9	39	27	39	105	47.0
45 / 49	6	0	1	7	44.2	27	7	14	48	42.6	45	24	33	102	42.9
40 / 44	2		1	3	39.1	16	2	8	26	38.3	36	12	23	71	38.2
35 / 39	1			1	36.6	8	1	2	11	34.5	23	6	8	37	33.1
30 / 34						3	0	1	4	29.7	9	2	4	15	28.4
25 / 29						0	0		0	26.7	5	2	2	9	23.2
20 / 24											3	1	1	5	18.8
15 / 19											1	0	0	1	13.7
10 / 14											0		0	0	9.3
5 / 9													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.

CHASE NAS/BEEVILLE TX

WMO No. 722556

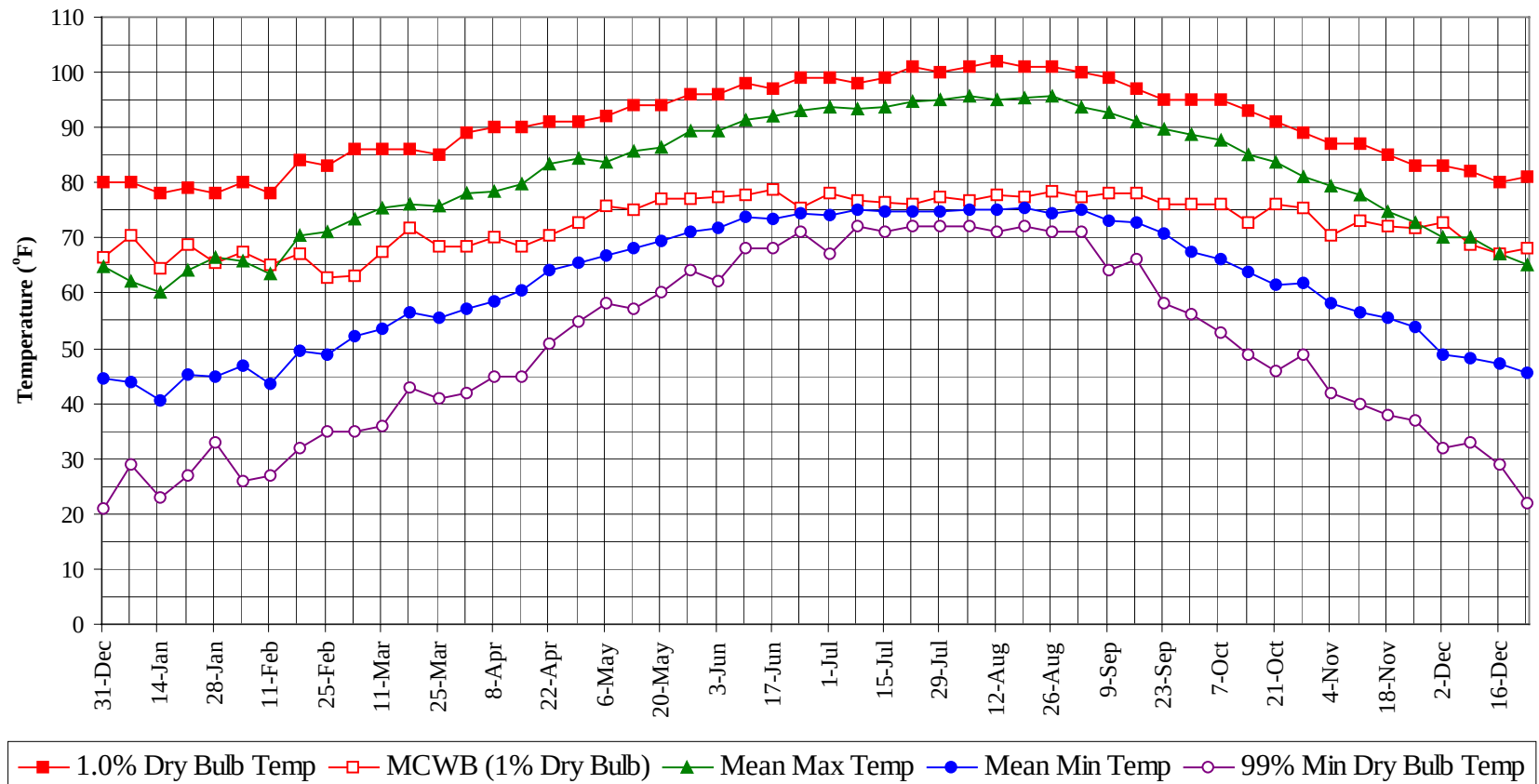
Dry-Bulb Temperature Hours For An Average Year (Sheet 5 of 5)

Period of Record = 1973 to 1992

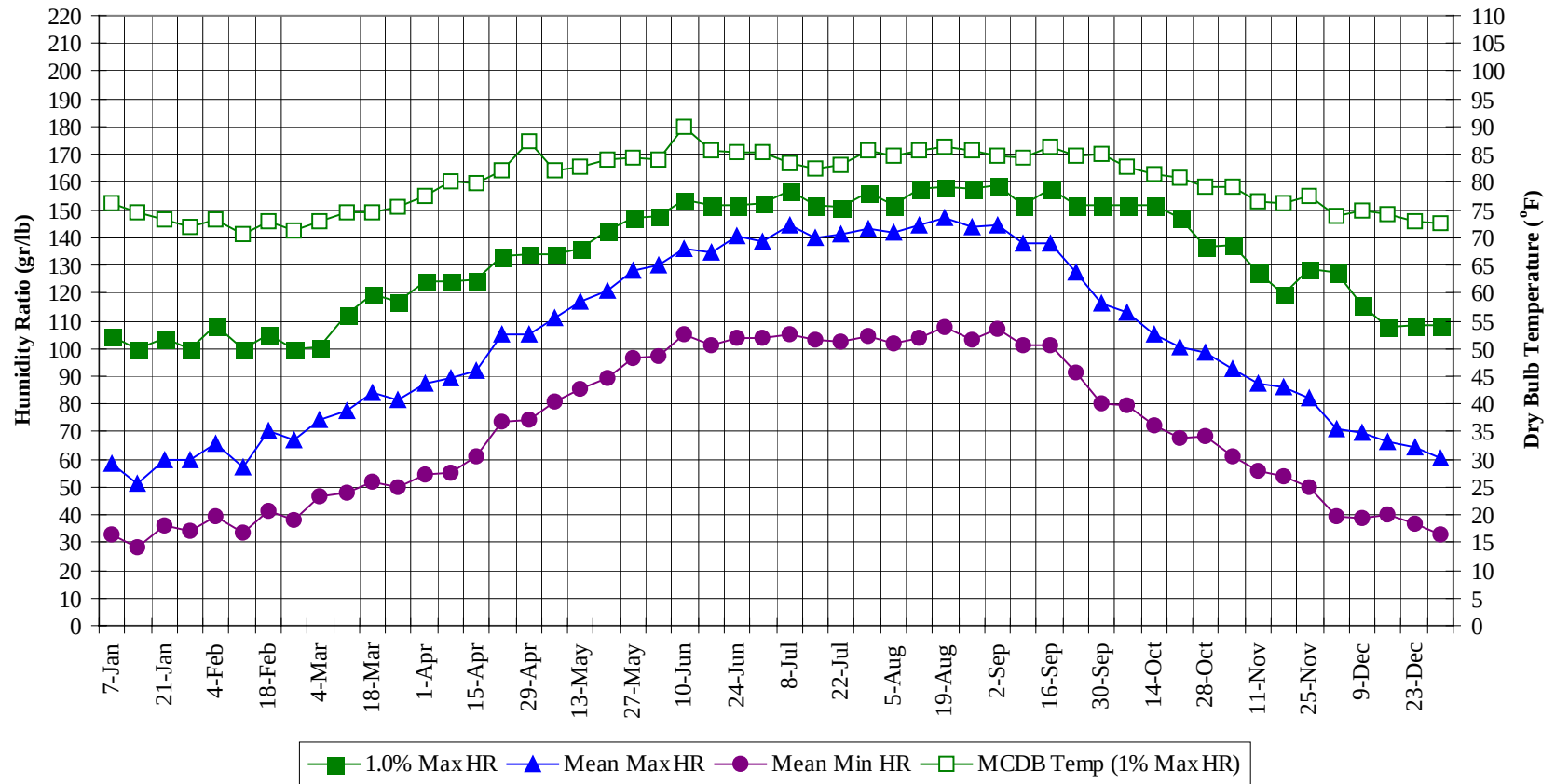
Annual Totals					
Temperature Range (°F)	Hour Group (LST)			Total Obs	M C W B (°F)
	01 To 08	09 To 16	17 To 00		
105 / 109		1		1	78.4
100 / 104		28	2	30	77.2
95 / 99		173	26	199	77.3
90 / 94	0	379	96	475	76.8
85 / 89	14	445	192	651	75.3
80 / 84	158	423	418	1000	73.6
75 / 79	693	388	594	1676	71.8
70 / 74	522	290	420	1233	67.1
65 / 69	335	213	317	865	61.6
60 / 64	270	174	245	689	56.6
55 / 59	228	135	206	569	51.8
50 / 54	218	102	158	478	47.3
45 / 49	195	76	114	385	42.9
40 / 44	138	48	77	263	38.4
35 / 39	86	24	34	144	33.9
30 / 34	37	12	15	64	29.2
25 / 29	17	6	6	29	24.4
20 / 24	6	1	1	8	19.1
15 / 19	2	0	0	2	14.1
10 / 14	0		0	0	9.3
5 / 9			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

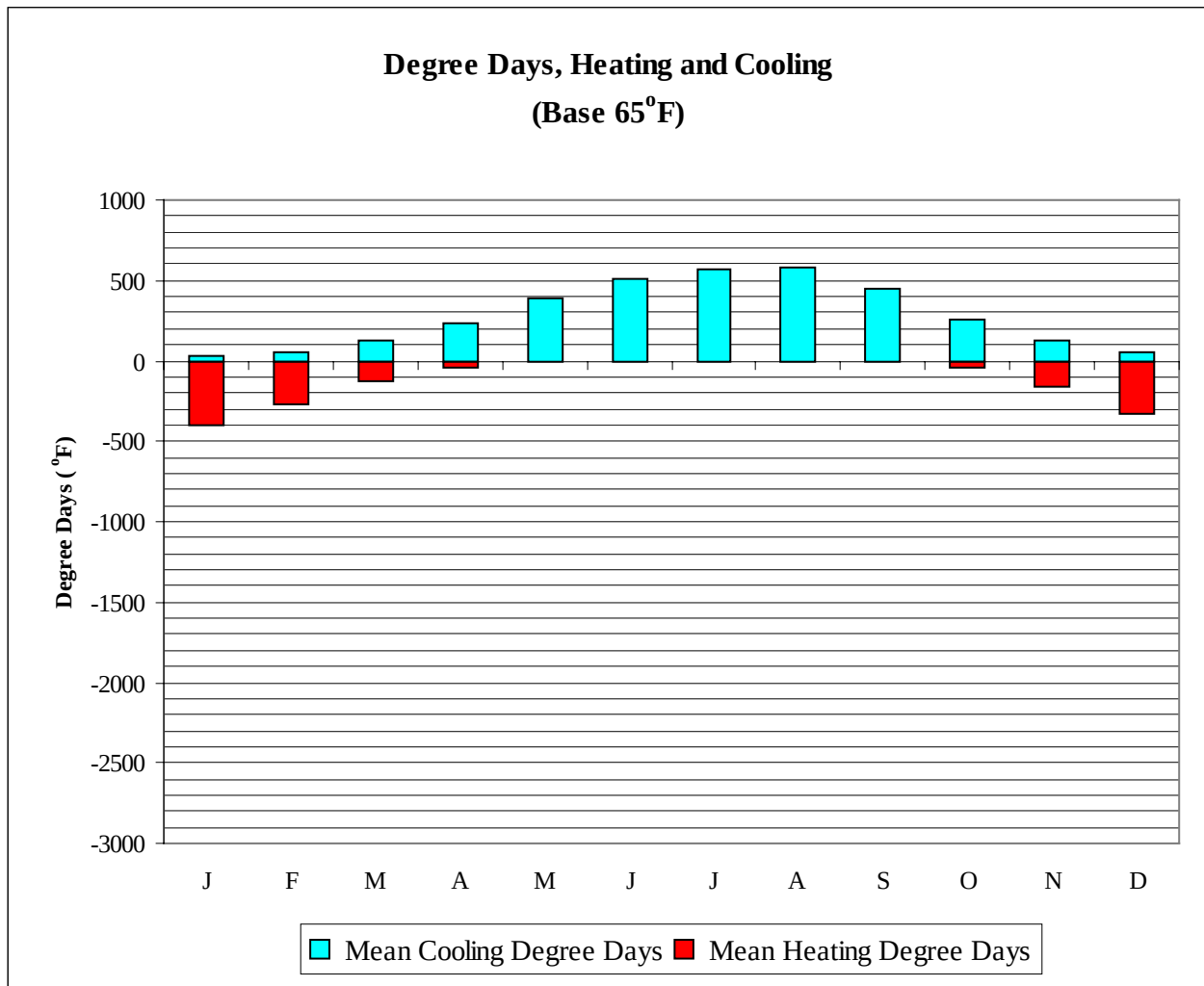


CHASE NAS/BEEVILLE TX

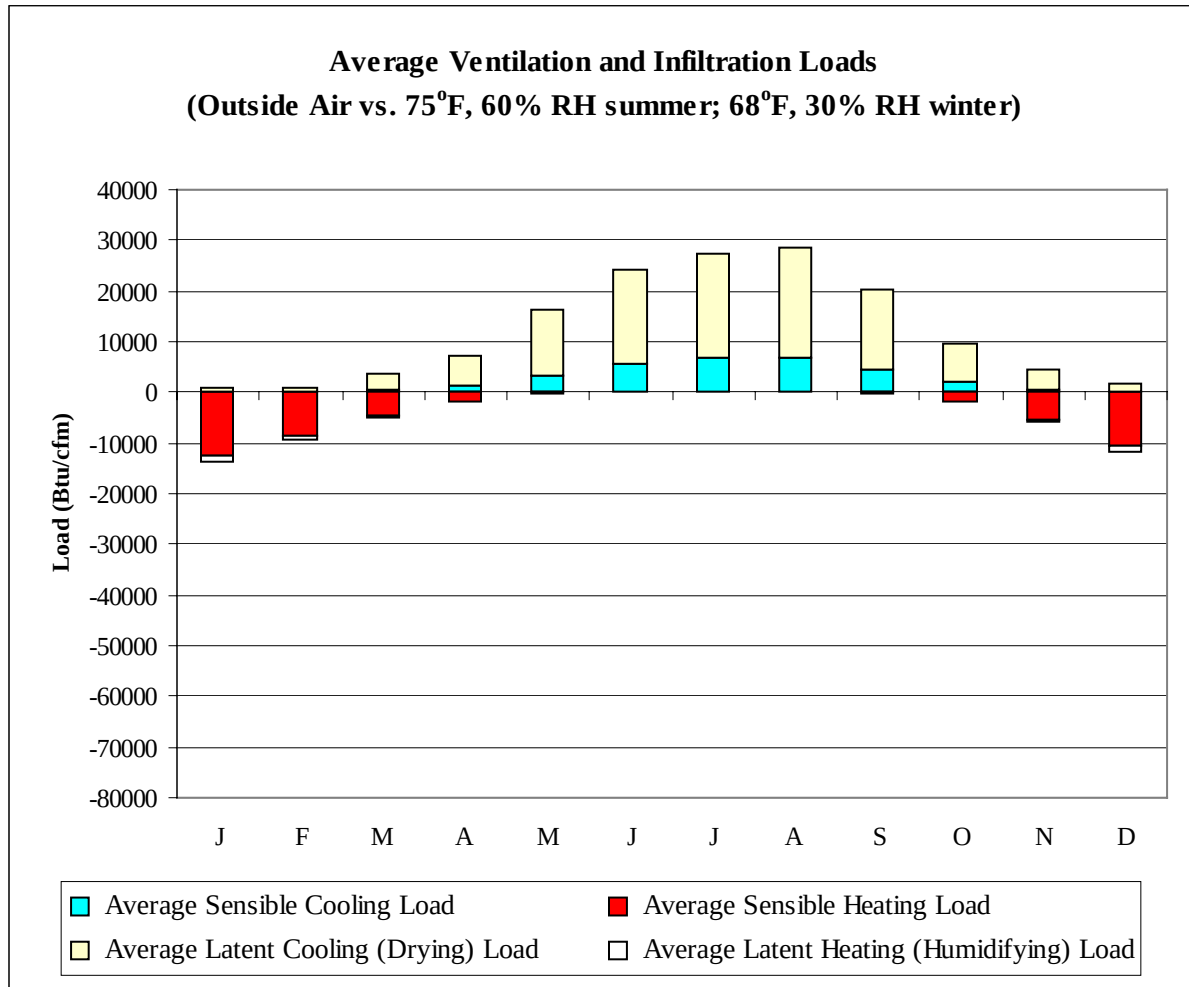
WMO No. 722556

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	80.0	70.3	62.2	43.8	29.0	104.3	76.1	58.6	32.8
14-Jan	78.0	64.6	60.0	40.7	23.0	100.1	74.7	51.4	28.1
21-Jan	79.0	68.7	64.1	45.1	27.0	103.6	73.3	59.8	36.0
28-Jan	78.0	65.4	66.6	45.0	33.0	100.1	71.9	60.0	34.4
4-Feb	80.0	67.5	65.9	47.0	26.0	108.5	73.1	65.8	39.3
11-Feb	78.0	65.0	63.5	43.5	27.0	100.1	70.6	57.4	33.8
18-Feb	84.0	67.1	70.5	49.6	32.0	105.0	73.0	70.3	41.4
25-Feb	83.0	62.8	71.2	49.0	35.0	100.1	71.2	67.3	38.2
4-Mar	86.0	63.0	73.4	52.3	35.0	100.8	72.8	74.0	46.6
11-Mar	86.0	67.6	75.6	53.4	36.0	112.0	74.6	77.2	47.6
18-Mar	86.0	71.9	76.1	56.5	43.0	119.7	74.7	83.8	52.0
25-Mar	85.0	68.5	75.9	55.6	41.0	116.9	75.4	81.7	49.6
1-Apr	89.0	68.4	77.9	57.2	42.0	123.9	77.4	87.4	54.8
8-Apr	90.0	70.1	78.6	58.5	45.0	123.9	80.0	89.3	54.9
15-Apr	90.0	68.6	79.8	60.5	45.0	124.6	79.7	92.0	60.8
22-Apr	91.0	70.6	83.3	64.2	51.0	133.0	82.2	104.9	73.3
29-Apr	91.0	72.6	84.3	65.4	55.0	133.7	87.4	105.2	74.1
6-May	92.0	75.8	83.9	66.7	58.0	133.7	82.0	110.8	80.5
13-May	94.0	75.0	85.8	68.2	57.0	135.8	82.6	117.2	85.4
20-May	94.0	77.1	86.6	69.5	60.0	142.8	84.1	120.5	89.1
27-May	96.0	77.2	89.3	71.1	64.0	147.0	84.3	128.3	96.5
3-Jun	96.0	77.3	89.4	71.7	62.0	147.7	84.0	130.3	97.1
10-Jun	98.0	77.7	91.5	73.9	68.0	154.0	90.0	135.8	104.9
17-Jun	97.0	78.8	92.2	73.5	68.0	151.9	85.6	134.8	101.3
24-Jun	99.0	75.4	93.0	74.4	71.0	151.9	85.4	140.2	103.7
1-Jul	99.0	78.1	93.6	74.2	67.0	152.6	85.4	138.4	103.7
8-Jul	98.0	76.7	93.5	75.1	72.0	156.8	83.3	144.2	105.0
15-Jul	99.0	76.4	93.7	74.7	71.0	151.9	82.4	139.7	103.3
22-Jul	101.0	76.0	94.7	74.9	72.0	151.2	82.9	141.4	102.2
29-Jul	100.0	77.4	95.2	74.8	72.0	156.1	85.6	143.3	104.2
5-Aug	101.0	76.8	95.8	75.3	72.0	151.9	84.9	141.9	101.6
12-Aug	102.0	77.7	95.1	75.0	71.0	157.5	85.6	144.6	103.9
19-Aug	101.0	77.5	95.4	75.4	72.0	158.2	86.4	147.1	107.8
26-Aug	101.0	78.3	95.6	74.6	71.0	157.5	85.8	144.1	102.9
2-Sep	100.0	77.4	93.8	74.9	71.0	158.9	84.8	144.5	106.8
9-Sep	99.0	78.0	92.7	73.3	64.0	151.9	84.2	137.7	100.9
16-Sep	97.0	78.1	91.2	72.8	66.0	157.5	86.4	137.7	101.3
23-Sep	95.0	76.0	89.6	70.8	58.0	151.9	84.8	127.6	91.6
30-Sep	95.0	76.0	88.6	67.3	56.0	151.9	85.0	116.0	79.8
7-Oct	95.0	76.2	87.7	66.3	53.0	151.9	82.9	113.1	79.7
14-Oct	93.0	72.9	85.0	63.7	49.0	151.9	81.5	105.3	72.3
21-Oct	91.0	75.9	83.8	61.6	46.0	147.0	80.8	100.2	67.8
28-Oct	89.0	75.5	81.1	61.8	49.0	136.5	79.3	98.5	68.5
4-Nov	87.0	70.3	79.3	58.1	42.0	137.2	79.1	92.7	60.9
11-Nov	87.0	73.0	77.6	56.5	40.0	127.4	76.5	87.2	55.9
18-Nov	85.0	72.1	74.9	55.5	38.0	119.7	76.2	85.8	54.1
25-Nov	83.0	71.7	72.9	53.9	37.0	128.8	77.4	81.8	50.1
2-Dec	83.0	72.7	70.2	48.8	32.0	127.4	74.0	71.1	39.2
9-Dec	82.0	68.8	70.2	48.3	33.0	115.5	74.9	69.8	38.9
16-Dec	80.0	67.2	67.2	47.1	29.0	107.8	74.1	66.7	40.1
23-Dec	81.0	68.2	65.2	45.7	22.0	108.5	72.9	64.2	36.9
31-Dec	80.0	66.6	64.8	44.4	21.0	108.5	72.5	60.7	33.2



	Mean Cooling Degree Days (°F)	Mean Heating Degree Days (°F)
JAN	34	400
FEB	52	269
MAR	131	128
APR	230	45
MAY	385	6
JUN	511	0
JUL	569	0
AUG	576	0
SEP	446	5
OCT	260	42
NOV	121	159
DEC	53	334
ANN	3367	1388



	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	77	-12386	673	-1335
FEB	193	-8653	789	-863
MAR	587	-4544	3092	-392
APR	1462	-1801	5801	-113
MAY	3376	-334	13016	-1
JUN	5806	-24	18447	0
JUL	6835	0	20646	0
AUG	7015	-1	21363	0
SEP	4641	-238	15810	-3
OCT	2105	-1711	7411	-42
NOV	618	-5399	3756	-441
DEC	164	-10512	1356	-1271
ANN	32879	-45603	112160	-4461

Average Annual Solar Radiation – Nearest Available Site

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

City: CORPUS CHRISTI
 State: TX
 WBAN No: 12924
 Lat(N): 27.77
 Long(W): 97.5
 Elev(ft): 43

Stn Type: Secondary
 SHADING GEOMETRY IN DIMENSIONLESS UNITS
 Window: 1
 Overhang: 0.788
 Vert Gap: 0.632

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	880	1130	1400	1600	1730	1920	1980	1850	1600	1370	1040	840	1450
	Std Dev	70	99	124	135	131	136	137	97	119	91	102	72	29
	Minimum	750	960	1150	1390	1470	1710	1660	1600	1390	1110	840	690	1360
	Maximum	1030	1330	1700	1890	1940	2220	2200	2030	1830	1530	1270	1050	1490
	Diffuse	450	520	640	750	820	820	790	740	660	520	440	420	630
Clear Day	Global	1370	1670	2040	2340	2500	2530	2500	2360	2100	1740	1410	1270	1990
NORTH	Global	270	320	390	450	540	630	610	490	410	350	290	260	420
	Diffuse	270	320	390	440	480	510	500	460	410	350	290	260	390
Clear Day	Global	260	300	360	440	600	710	650	490	390	320	270	240	420
EAST	Global	500	640	730	790	860	960	1010	970	890	790	610	490	770
	Diffuse	320	380	460	530	570	600	610	580	520	430	350	300	470
Clear Day	Global	880	1030	1190	1300	1330	1320	1310	1280	1190	1050	900	820	1130
SOUTH	Global	990	1040	950	740	580	530	560	710	940	1180	1170	1020	870
	Diffuse	410	460	500	510	500	490	490	510	530	500	440	400	480
Clear Day	Global	1960	1830	1480	1000	660	540	580	830	1270	1680	1890	1950	1300
WEST	Global	550	690	840	930	970	1060	1100	1040	930	830	660	530	850
	Diffuse	330	390	470	540	580	610	600	580	520	440	350	310	480
Clear Day	Global	880	1030	1190	1300	1330	1320	1310	1280	1190	1050	900	820	1130

Average Annual Solar Heat and Illumination – Nearest Available Site

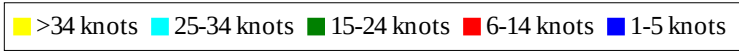
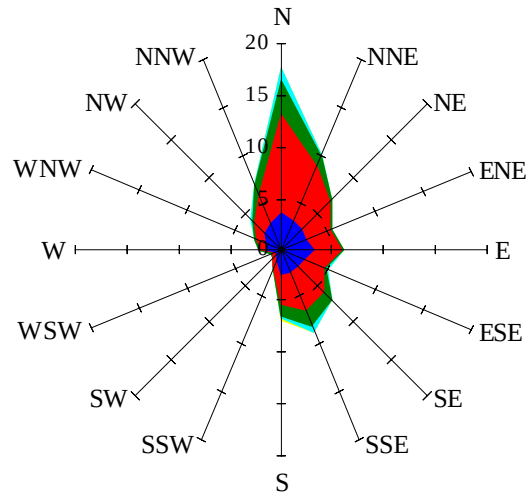
(Source: National Renewable Energy Laboratory, Golden CO, 1995)

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	610	800	1010	1160	1260	1400	1450	1350	1160	980	730	580	1040
NORTH	Unshaded	190	220	270	310	350	400	380	320	280	240	200	180	280
	Shaded	170	200	240	270	310	340	340	290	260	220	180	160	250
EAST	Unshaded	350	450	520	560	610	680	710	690	640	560	430	340	540
	Shaded	300	390	440	470	520	580	610	590	550	490	380	300	470
SOUTH	Unshaded	720	730	620	450	360	340	350	420	590	800	850	750	580
	Shaded	680	600	390	310	310	310	310	320	340	590	780	720	470
WEST	Unshaded	390	490	600	660	690	750	780	750	660	590	460	370	600
	Shaded	340	430	510	560	580	640	660	630	570	510	400	320	510

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	35	77	94	82	43	30	73	99	100	75
	M.Cloudy	18	45	58	50	26	22	55	74	76	55
NORTH	M.Clear	9	15	16	15	11	22	21	17	17	21
	M.Cloudy	8	16	19	17	10	15	20	19	19	19
EAST	M.Clear	73	67	20	15	11	56	73	43	17	17
	M.Cloudy	19	33	20	17	10	30	51	35	19	17
SOUTH	M.Clear	27	57	69	61	33	10	17	24	24	17
	M.Cloudy	11	29	39	34	17	9	17	23	23	17
WEST	M.Clear	9	15	16	62	77	10	17	17	42	75
	M.Cloudy	8	16	19	35	32	9	17	19	35	51
M.Clear	(% hrs)	29	28	31	36	38	33	22	25	37	49
		Sept					Dec				
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	19	64	92	90	61	19	54	68	52	16
	M.Cloudy	13	46	65	67	45	10	30	38	30	10
NORTH	M.Clear	7	15	17	17	15	6	12	13	12	6
	M.Cloudy	6	16	18	19	15	5	12	14	12	5
EAST	M.Clear	48	74	41	17	15	50	52	13	12	6
	M.Cloudy	21	46	32	19	15	12	22	14	12	5
SOUTH	M.Clear	11	41	60	58	38	38	77	89	75	32
	M.Cloudy	7	28	41	43	27	10	29	37	29	10
WEST	M.Clear	7	15	17	45	75	6	12	15	54	44
	M.Cloudy	6	16	18	36	47	5	12	15	23	13
M.Clear	(% hrs)	50	33	29	36	45	27	29	29	32	36

Wind Summary - December, January, and February

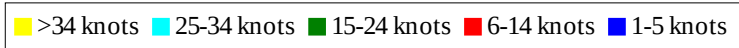
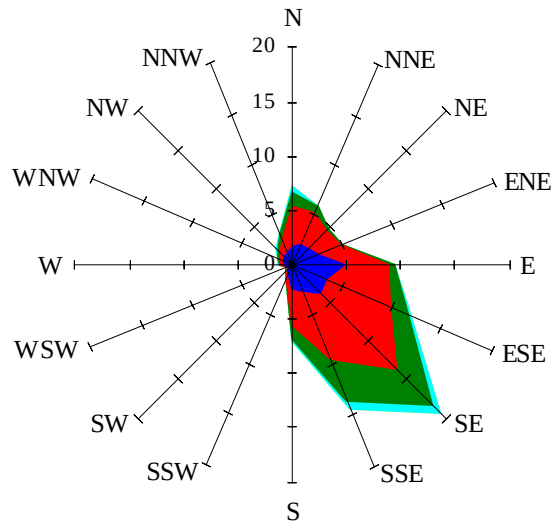
Labels of Percent Frequency on North Axis



Percent Calm = 7.45

Wind Summary - March, April, and May

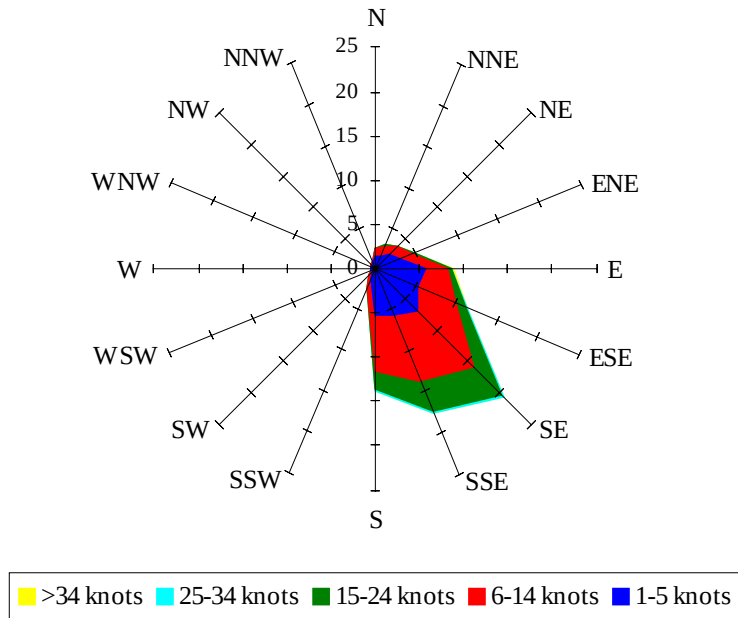
Labels of Percent Frequency on North Axis



Percent Calm = 5.06

Wind Summary - June, July, and August

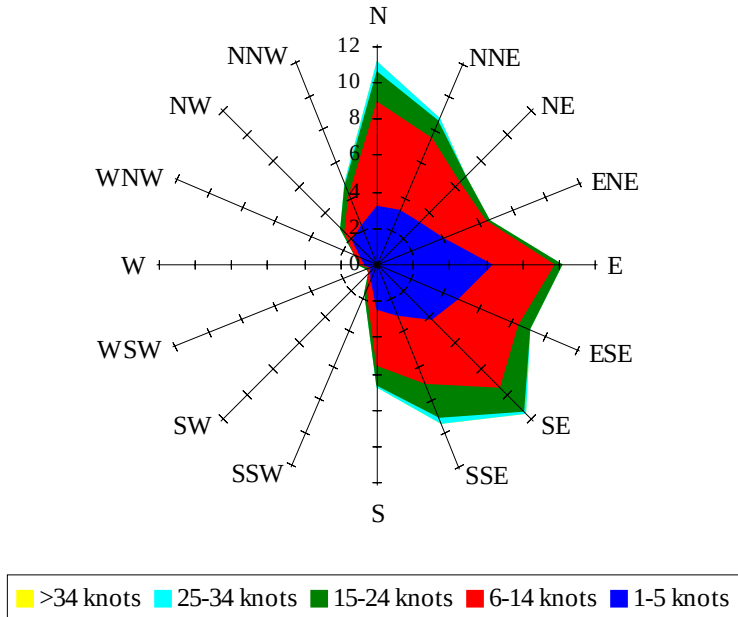
Labels of Percent Frequency on North Axis



Percent Calm = 8.32

Wind Summary - September, October, and November

Labels of Percent Frequency on North Axis



Percent Calm = 8.05