

TYLER/POUNDS TX

Latitude = 32.35 N

WMO No. 722448

Longitude = 95.40 W

Elevation = 545 feet

Period of Record = 1973 to 1996

Average Pressure = 29.41 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	76	97	8.9	SSW
0.4% Occurrence	99	76	102	8.9	S
1.0% Occurrence	97	76	106	9.0	S
2.0% Occurrence	95	76	108	9.1	S
Mean Daily Range	20	-	-	-	-
97.5% Occurrence	31	28	18	8.9	N
99.0% Occurrence	26	24	14	9.4	N
99.6% Occurrence	20	19	11	9.3	N
Median of Extreme Lows	13	12	8	10.4	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	82	93	145	10.2	SSW
0.4% Occurrence	80	91	135	9.8	S
1.0% Occurrence	79	90	130	9.6	S
2.0% Occurrence	78	89	126	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	164	87	1.07	9.8	S
0.4% Occurrence	143	85	0.94	8.5	S
1.0% Occurrence	138	84	0.90	8.9	S
2.0% Occurrence	134	83	0.88	9.1	S
Air Conditioning/ Humid Area Criteria	# of Hours	T ≥ 93°F	T ≥ 80°F	T _{wb} ≥ 73°F	T _{wb} ≥ 67°F
		330	2028	1918	3341

Other Site Data

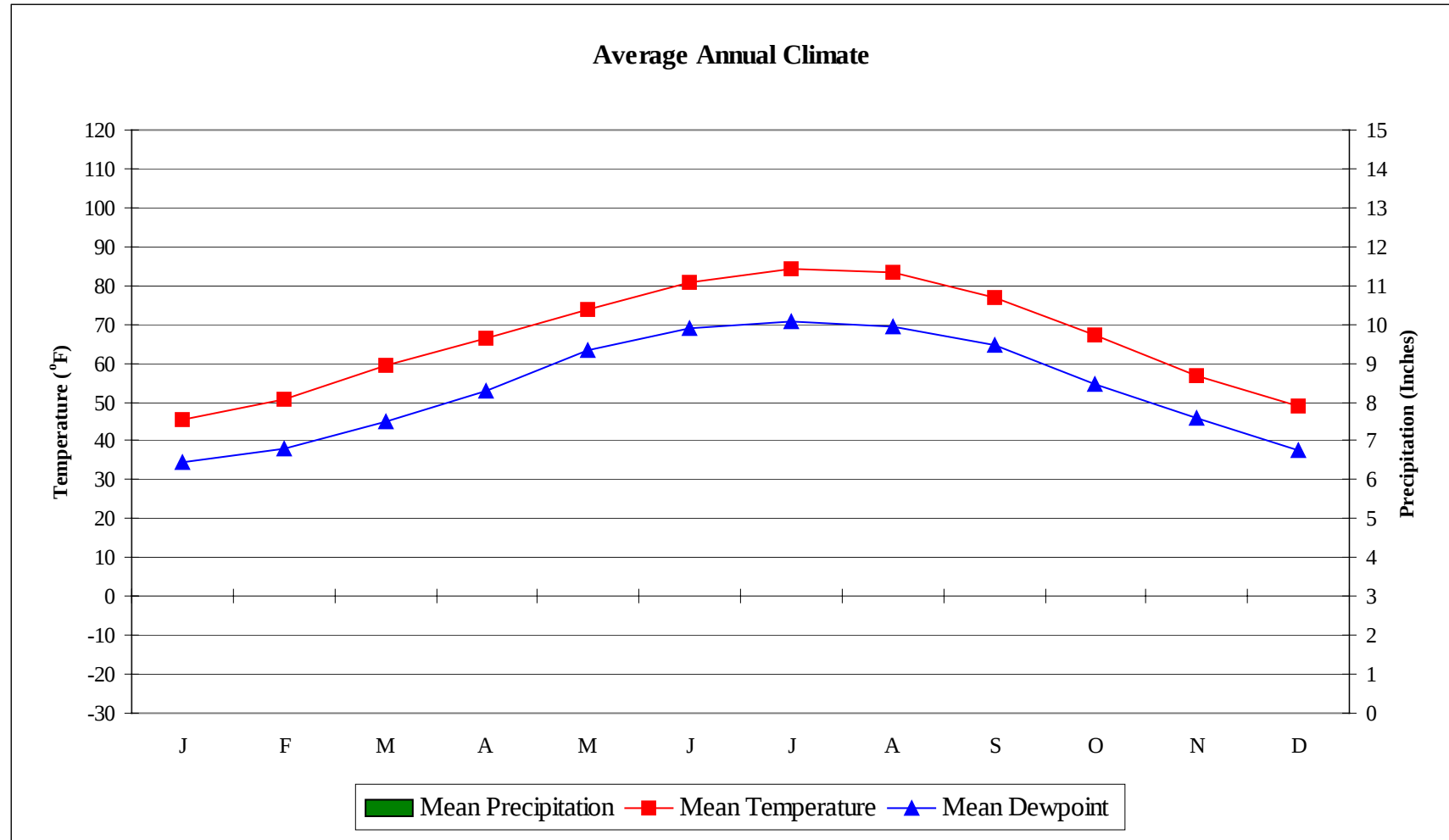
Weather Region	Rain Rate 100 Year Recurrence (in./hr)	Basic Wind Speed 3 sec gust @ 33 ft 50 Year Recurrence (mph)	Ventilation Cooling Load Index (Ton-hr/cfm/yr) Base 75°F-RH 60% Latent + Sensible
11	4.0	90	4.6 + 2.3
Ground Water Temperature (°F) 50 Foot Depth *	Frost Depth 50 Year Recurrence (in.)	Ground Snow Load 50 Year Recurrence (lb/ft ²)	Average Annual Freeze-Thaw Cycles (#)
68.7	N/A	N/A	20

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

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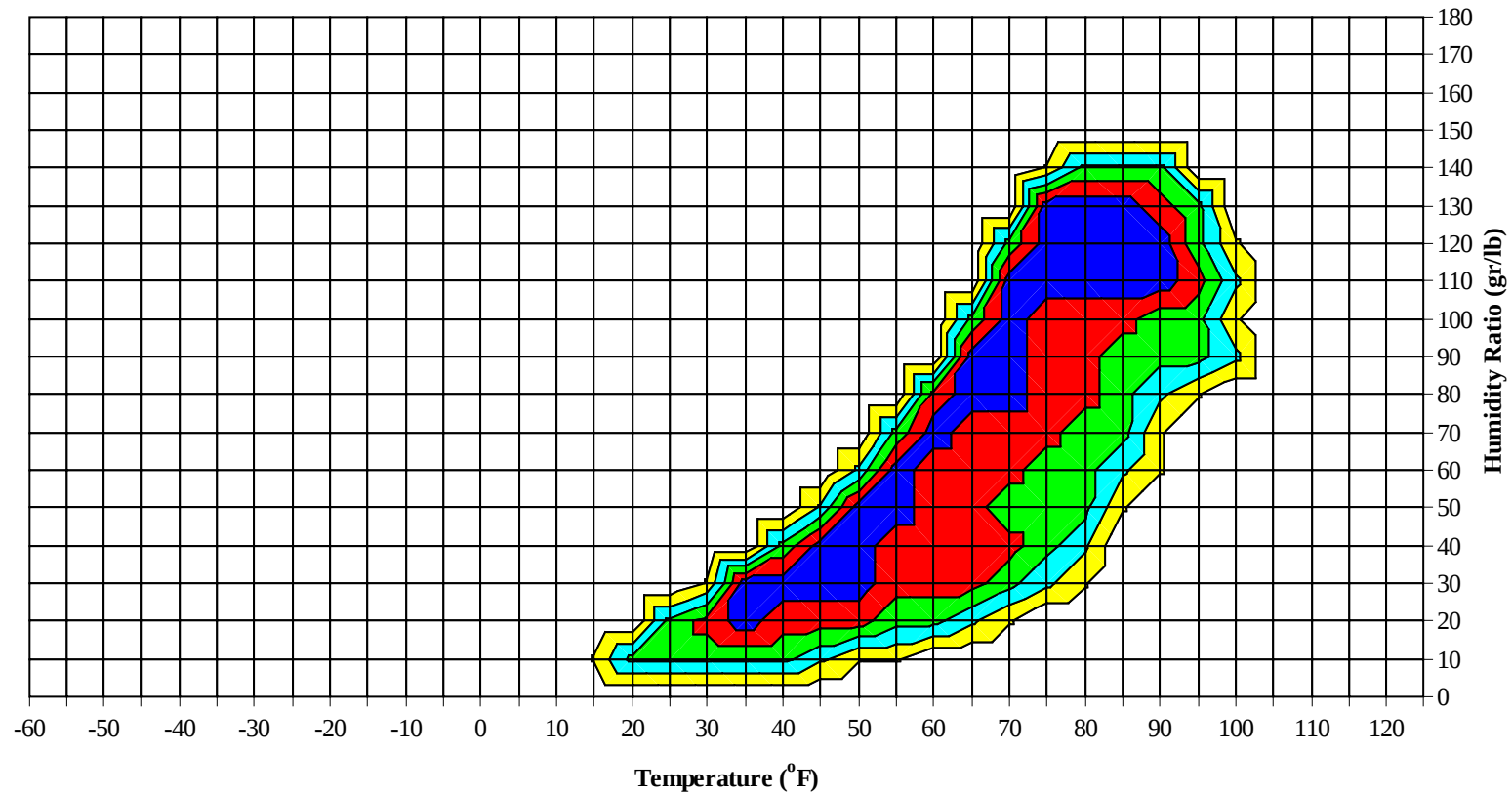
No Precipitation Data Available

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Long Term Psychrometric Summary



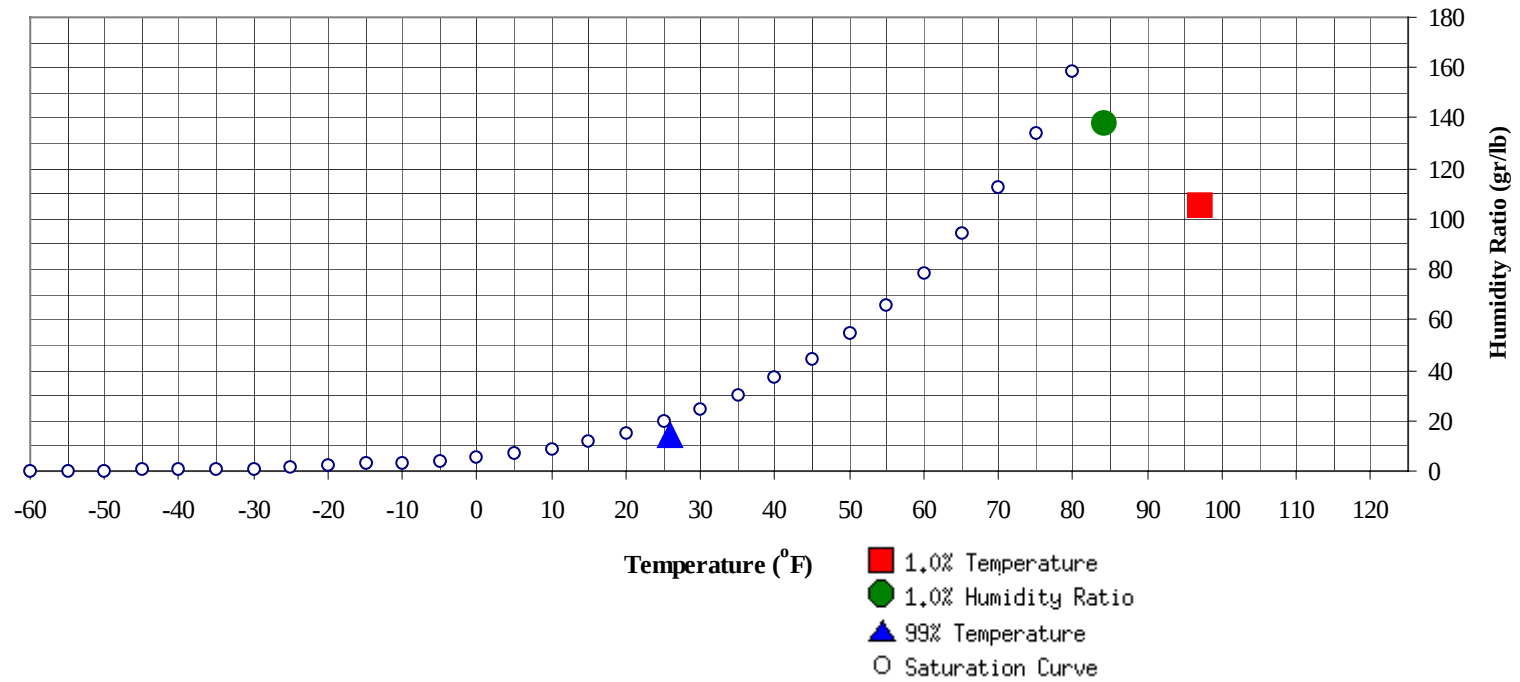
- 50% of all observations
- 80% of all observations
- 95% of all observations
- 97.5% of all observations
- 99% of all observations

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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	26	14.1	8.4		137.9	84.3	78.2	75.9	41.9

1.0% Dry Bulb	(°F)	MCHR (gr/lb)	MCWB (°F)	Enthalpy (btu/lb)
	97	105.6	76.4	39.9

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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		
105 / 109															
100 / 104															
95 / 99															
90 / 94															
85 / 89							1	0	1	62.3		0	0	0	71.3
80 / 84		0		0	63.2		2	1	3	61.4		2	1	3	67.4
75 / 79		3	1	3	61.6		10	4	14	60.8		11	4	15	65.4
70 / 74	0	11	4	15	60.0	0	21	12	32	59.4	0	29	16	45	63.4
65 / 69	6	18	14	38	58.6	9	26	21	55	57.5	12	40	34	86	61.5
60 / 64	10	23	20	54	54.8	16	28	28	72	54.2	23	40	42	106	58.5
55 / 59	13	25	26	64	50.8	17	30	30	77	50.5	34	39	41	113	54.8
50 / 54	19	33	30	82	46.1	25	26	35	87	46.3	34	31	37	102	50.4
45 / 49	28	38	40	106	42.3	33	26	30	89	42.3	44	26	30	100	46.5
40 / 44	35	33	37	104	37.9	34	21	23	79	37.9	38	15	21	74	42.7
35 / 39	44	31	37	112	33.8	34	16	22	72	33.5	32	8	13	53	38.7
30 / 34	50	20	23	94	29.6	34	11	11	53	29.7	21	5	6	32	34.0
25 / 29	22	9	10	41	24.7	32	11	11	53	29.7	6	2	2	10	29.3
20 / 24	9	3	4	16	20.2	13	4	4	21	25.0	3	0	1	4	25.0
15 / 19	6	1	2	9	15.7	7	2	2	10	20.2	1	1	1	3	20.4
10 / 14	3	1	1	4	11.3	3	2	1	5	17.0	0	0	0	0	16.4
5 / 9	1	0	0	1	6.3	0	0		0	10.4	0			0	12.0
0 / 4	0			0	2.5	0			0	8.0					
-5 / -1															

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

April						May					June				
Temperature Range (°F)	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 78.5				
100 / 104											1 0 1 78.7				
95 / 99	0 0 65.5					1 0 1 76.2					10 4 14 77.3				
90 / 94	2 1 3 66.8					11 4 15 74.9					58 27 84 76.3				
85 / 89	10 3 13 69.4					0 46 21 67 73.2					1 76 48 125 74.7				
80 / 84	34 16 51 66.8					1 64 42 108 71.2					21 54 64 138 73.4				
75 / 79	2	50	35	87	65.3	24	56	61	141	69.2	87	27	58	172	72.1
70 / 74	23	53	55	132	63.5	70	37	59	166	67.1	82	12	30	124	69.1
65 / 69	42	36	44	122	60.6	71	21	36	128	63.6	37	3	8	48	64.7
60 / 64	52	27	41	120	56.5	44	8	17	69	59.1	9	0	1	10	59.1
55 / 59	44	15	23	82	51.7	25	2	6	34	54.3	2			2	55.2
50 / 54	38	9	13	60	47.6	11	0	2	13	50.3	0			0	48.0
45 / 49	24	3	5	33	43.6	2			2	46.4					
40 / 44	10	1	2	13	39.7										
35 / 39	4	0	1	5	35.3										
30 / 34	1			1	29.0										
25 / 29	0			0	27.0										
20 / 24															
15 / 19															
10 / 14															
5 / 9															
0 / 4															
-5 / -1															

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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		
105 / 109		1	0	1	75.6		0	0	0	74.8					
100 / 104		9	4	13	76.7		9	3	12	75.7		2	0	2	74.7
95 / 99		38	19	57	76.8		44	19	63	76.0		10	3	13	75.1
90 / 94		83	44	126	76.7	0	75	38	114	75.7		40	13	52	74.7
85 / 89	2	65	56	123	75.8	1	64	51	117	75.0		56	30	86	73.4
80 / 84	47	37	65	149	74.7	30	36	63	130	74.0	6	53	47	105	71.8
75 / 79	130	13	47	190	73.4	118	15	51	184	72.6	54	38	59	151	70.6
70 / 74	61	3	13	77	70.6	78	3	20	102	69.8	80	23	48	151	68.0
65 / 69	6	0	0	6	65.7	16	1	1	18	65.3	42	12	21	75	62.7
60 / 64	1			1	61.1	2			2	59.9	30	5	13	48	57.9
55 / 59	0			0	58.0	1			1	55.9	16	2	5	23	53.9
50 / 54											11	0	1	12	49.6
45 / 49											2	0	0	2	45.2
40 / 44											0			0	41.6
35 / 39															
30 / 34															
25 / 29															
20 / 24															
15 / 19															
10 / 14															
5 / 9															
0 / 4															
-5 / -1															

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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		
105 / 109															
100 / 104															
95 / 99		0		0	74.3										
90 / 94		6	1	7	71.4										
85 / 89		24	5	29	70.6			0	1	66.0					
80 / 84	1	41	15	57	68.3		9	1	10	67.9		1	0	1	67.8
75 / 79	6	50	34	89	66.2	0	23	7	30	66.2	0	6	2	8	65.2
70 / 74	25	46	51	122	64.2	12	34	25	71	64.4	1	16	7	24	63.2
65 / 69	47	36	54	137	61.1	18	34	31	84	60.2	12	27	17	56	60.1
60 / 64	48	22	37	107	56.8	28	36	36	100	56.0	16	29	24	70	55.1
55 / 59	41	12	25	79	52.6	30	31	36	97	51.2	13	32	30	75	50.5
50 / 54	38	8	18	64	48.5	37	31	39	107	46.9	21	34	37	92	46.1
45 / 49	27	2	5	35	44.3	38	22	30	90	43.1	32	34	40	106	42.2
40 / 44	9	1	2	12	40.2	32	11	20	63	38.6	47	30	40	117	38.3
35 / 39	4	0	1	5	35.5	26	6	9	41	34.4	47	19	26	92	33.9
30 / 34	1		0	1	30.3	13	3	4	20	29.8	32	10	14	55	29.3
25 / 29	0			0	26.0	4	0	1	5	25.2	13	4	6	23	24.6
20 / 24						1		0	1	20.9	8	2	2	12	20.4
15 / 19						0			0	16.2	3	2	2	6	16.2
10 / 14											1	1	1	3	10.8
5 / 9											1	1	1	3	6.5
0 / 4											0	0		0	1.4
-5 / -1											0			0	-1.0

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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		
105 / 109		1	0	1	75.8
100 / 104		20	8	28	76.2
95 / 99		102	44	146	76.3
90 / 94	0	273	121	394	75.8
85 / 89	5	344	205	554	74.2
80 / 84	113	342	305	760	72.0
75 / 79	443	317	361	1121	69.8
70 / 74	462	299	352	1113	65.9
65 / 69	334	254	291	879	60.9
60 / 64	288	218	263	769	56.1
55 / 59	233	182	228	643	51.3
50 / 54	237	170	211	617	46.8
45 / 49	217	140	181	538	42.7
40 / 44	190	106	146	441	38.3
35 / 39	172	77	107	356	33.9
30 / 34	129	45	57	231	29.6
25 / 29	54	17	23	95	24.8
20 / 24	25	7	10	42	20.3
15 / 19	12	4	5	22	16.2
10 / 14	5	2	1	8	11.0
5 / 9	1	1	1	3	6.5
0 / 4	0	0		0	1.7
-5 / -1	0			0	-1.0

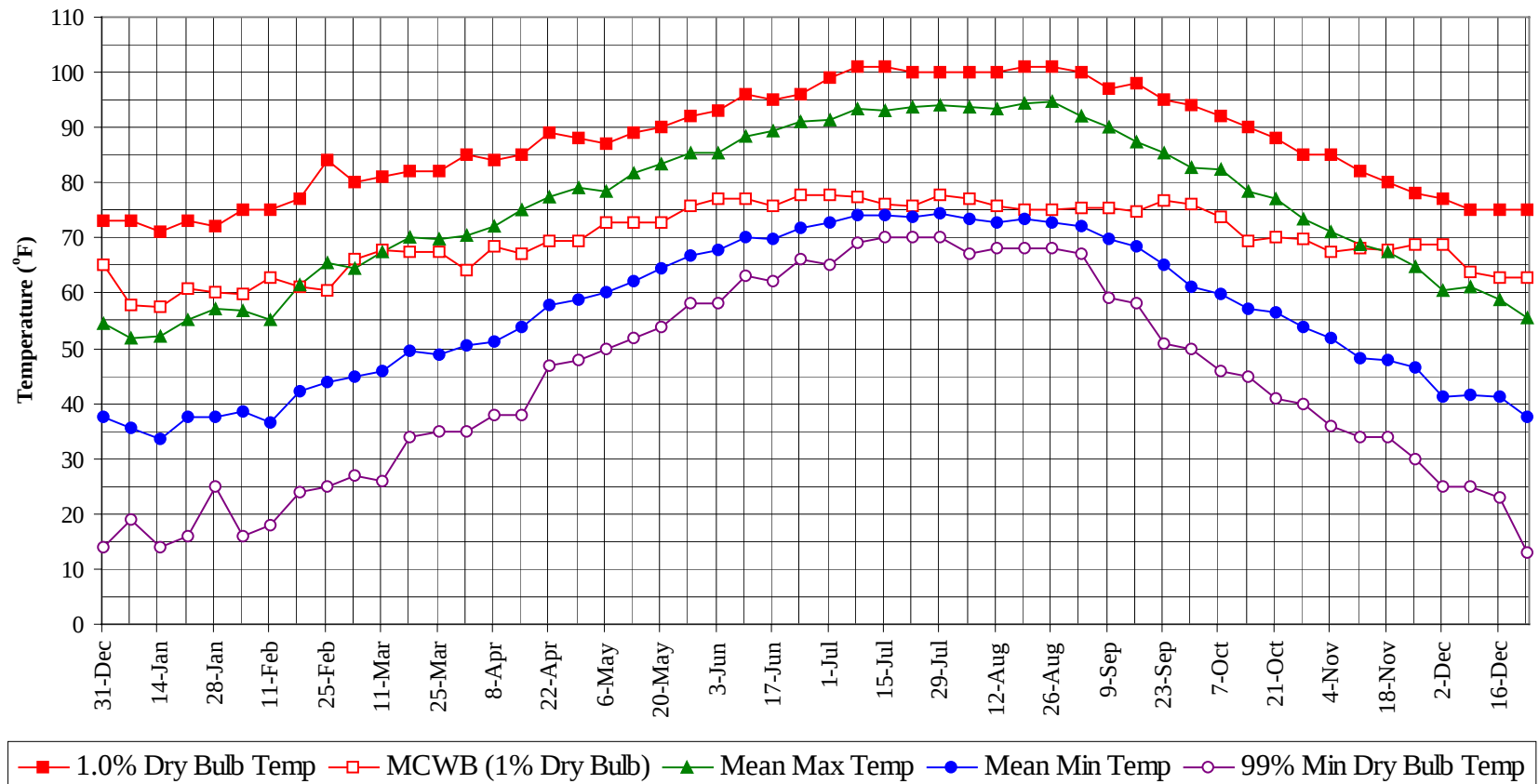
Caution: This summary reflects the typical distribution of temperature in a typical year. It does not reflect the typical moisture distribution. Because wet bulb temperatures are averaged, this summary understates the annual moisture load. For accurate moisture load data, see the long-term humidity summary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

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Annual Summary of Temperatures

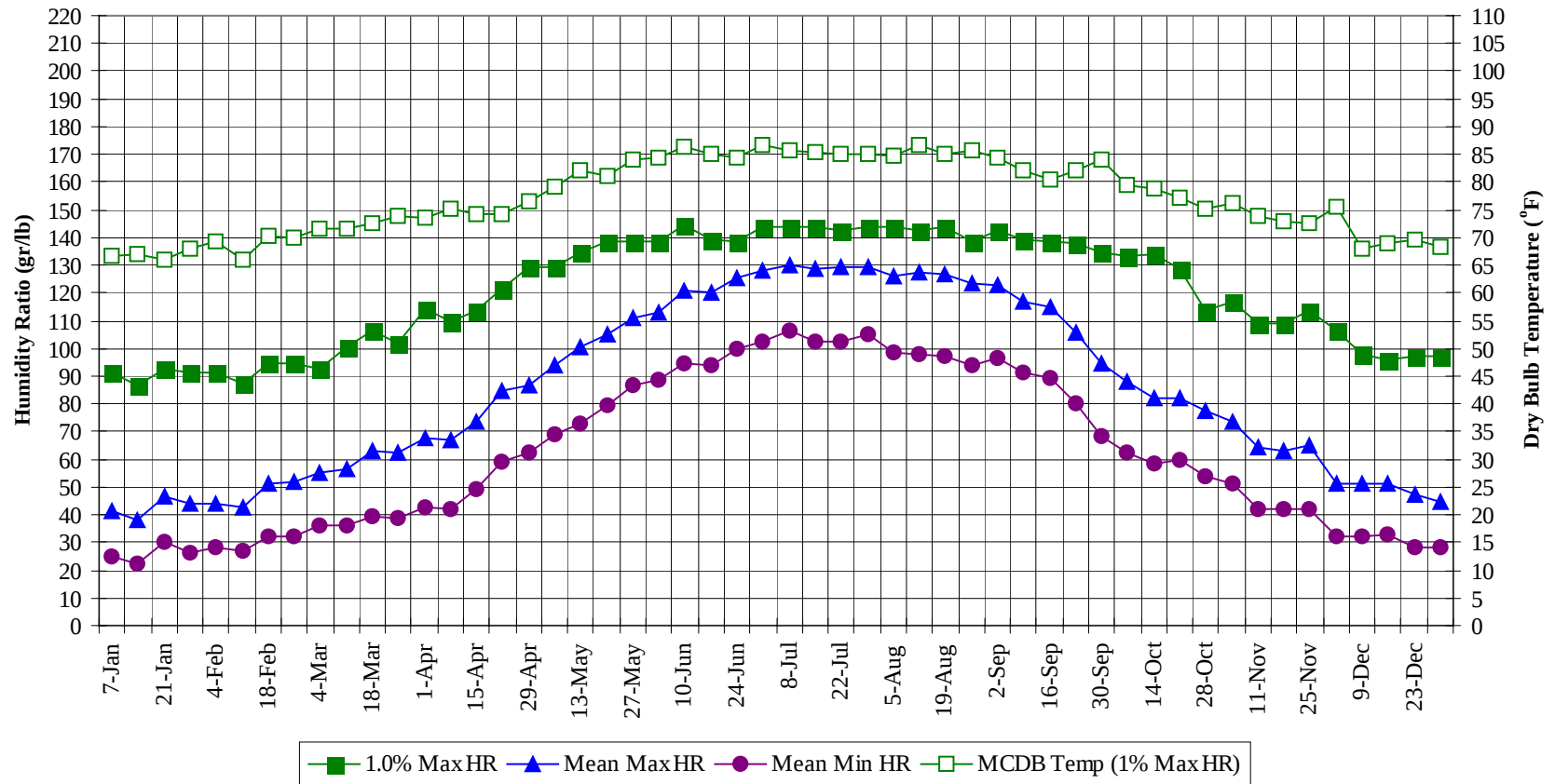


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WMO No. 722448

Long Term Humidity and Dry Bulb Temperature Summary



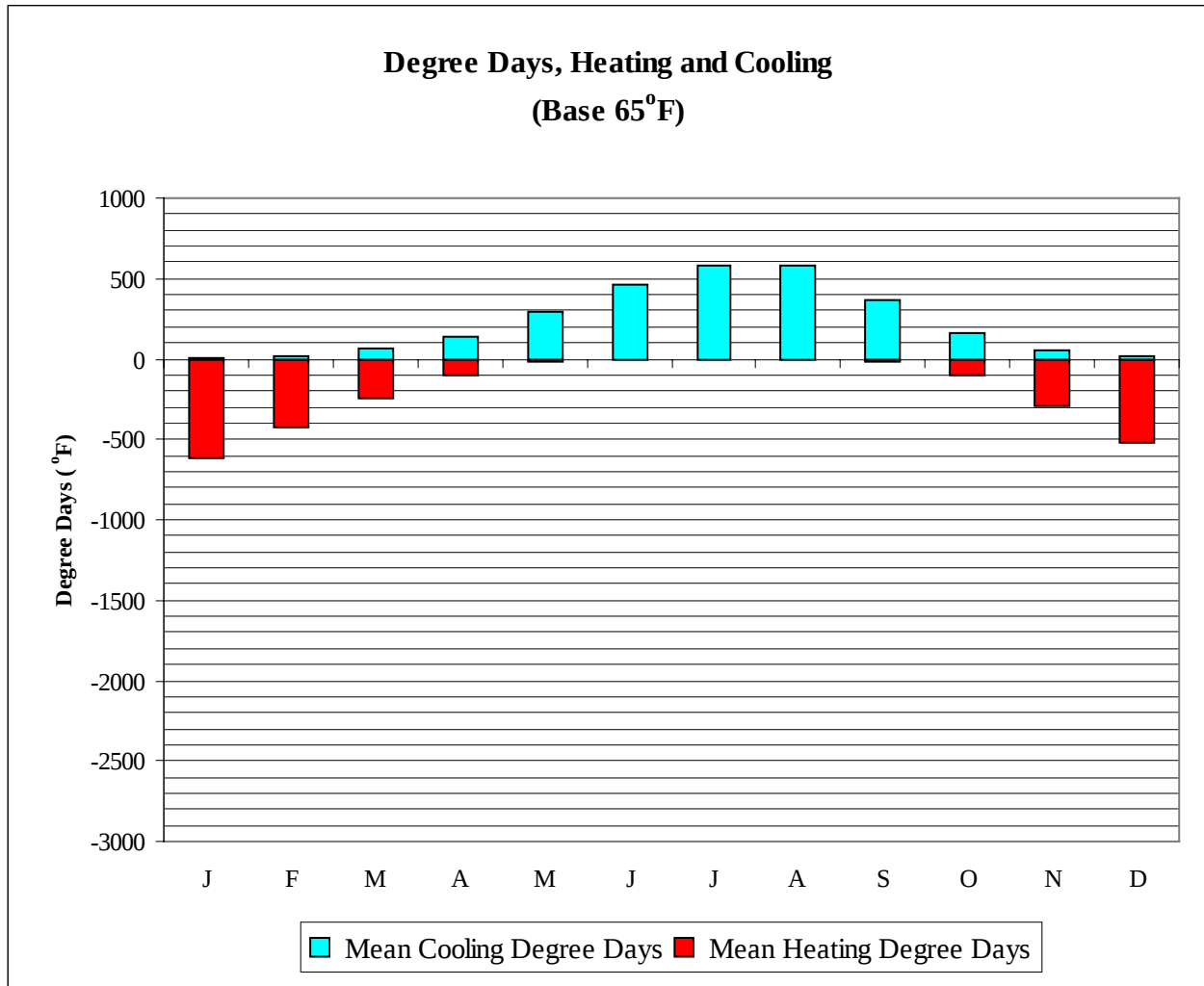
TYLER/POUNDS**TX****WMO No. 722448****Long Term Dry Bulb Temperature and Humidity Summary**

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	73.0	57.8	52.0	35.4	19.0	91.0	66.6	41.7	24.7
14-Jan	71.0	57.4	52.1	33.7	14.0	86.8	67.0	38.3	22.2
21-Jan	73.0	60.8	55.3	37.5	16.0	92.4	66.0	46.4	30.2
28-Jan	72.0	60.1	57.1	37.5	25.0	91.0	68.1	44.0	26.5
4-Feb	75.0	59.7	56.8	38.6	16.0	91.0	69.2	44.2	28.3
11-Feb	75.0	62.8	55.1	36.7	18.0	87.5	66.0	42.4	27.0
18-Feb	77.0	61.2	61.4	42.0	24.0	94.5	70.4	51.4	32.4
25-Feb	84.0	60.3	65.6	43.9	25.0	94.5	69.9	51.7	32.0
4-Mar	80.0	66.0	64.5	44.9	27.0	92.4	71.5	55.4	35.8
11-Mar	81.0	67.7	67.4	45.9	26.0	100.8	71.6	56.4	35.9
18-Mar	82.0	67.3	70.0	49.6	34.0	106.4	72.4	62.9	39.7
25-Mar	82.0	67.3	69.8	48.7	35.0	101.5	73.8	62.5	38.6
1-Apr	85.0	64.0	70.6	50.4	35.0	114.1	73.5	67.8	42.5
8-Apr	84.0	68.4	72.1	51.2	38.0	109.9	75.1	67.2	42.4
15-Apr	85.0	67.0	75.0	54.0	38.0	113.4	74.2	73.9	49.0
22-Apr	89.0	69.4	77.3	57.8	47.0	121.8	74.2	84.5	59.3
29-Apr	88.0	69.6	79.0	58.8	48.0	129.5	76.5	86.8	62.3
6-May	87.0	72.9	78.4	60.2	50.0	129.5	79.1	93.7	68.9
13-May	89.0	72.9	81.6	62.3	52.0	134.4	82.2	100.3	72.6
20-May	90.0	72.9	83.3	64.3	54.0	138.6	81.3	105.1	79.4
27-May	92.0	75.7	85.4	66.6	58.0	138.6	83.9	110.8	87.0
3-Jun	93.0	77.0	85.5	67.7	58.0	138.6	84.4	112.8	88.5
10-Jun	96.0	77.1	88.4	70.1	63.0	144.2	86.4	121.0	94.5
17-Jun	95.0	75.8	89.4	69.9	62.0	139.3	85.0	120.5	93.9
24-Jun	96.0	77.7	91.0	71.7	66.0	138.6	84.5	125.6	99.7
1-Jul	99.0	77.8	91.4	72.7	65.0	143.5	86.6	127.8	102.5
8-Jul	101.0	77.4	93.3	74.2	69.0	143.5	85.8	130.3	106.2
15-Jul	101.0	76.2	93.1	74.1	70.0	143.5	85.3	128.7	102.3
22-Jul	100.0	75.7	93.8	73.9	70.0	142.8	84.9	129.6	102.5
29-Jul	100.0	77.6	94.1	74.4	70.0	143.5	85.0	129.5	104.9
5-Aug	100.0	77.1	93.8	73.5	67.0	143.5	84.8	126.1	98.8
12-Aug	100.0	75.8	93.5	72.9	68.0	142.8	86.7	127.5	97.8
19-Aug	101.0	75.2	94.3	73.5	68.0	143.5	85.1	126.9	97.2
26-Aug	101.0	75.0	94.8	72.8	68.0	138.6	85.7	123.2	93.9
2-Sep	100.0	75.5	92.1	72.1	67.0	142.8	84.4	122.8	96.4
9-Sep	97.0	75.4	90.1	69.7	59.0	139.3	82.1	116.9	91.1
16-Sep	98.0	74.9	87.3	68.5	58.0	138.6	80.6	114.7	89.5
23-Sep	95.0	76.7	85.5	65.1	51.0	137.9	82.1	105.5	80.3
30-Sep	94.0	76.1	82.9	61.3	50.0	134.4	84.0	94.3	68.5
7-Oct	92.0	73.8	82.3	59.7	46.0	133.0	79.4	87.9	62.6
14-Oct	90.0	69.5	78.6	57.1	45.0	133.7	78.9	82.2	58.7
21-Oct	88.0	70.3	77.2	56.5	41.0	128.8	77.2	82.0	60.0
28-Oct	85.0	69.9	73.6	54.0	40.0	113.4	75.2	77.4	53.7
4-Nov	85.0	67.4	71.1	51.9	36.0	116.9	76.3	73.3	51.2
11-Nov	82.0	68.1	68.8	48.2	34.0	109.2	73.8	64.5	42.0
18-Nov	80.0	67.8	67.5	47.7	34.0	109.2	73.0	63.2	42.0
25-Nov	78.0	68.9	64.8	46.6	30.0	113.4	72.5	64.9	42.0
2-Dec	77.0	68.8	60.6	41.1	25.0	106.4	75.4	51.5	32.4
9-Dec	75.0	63.7	61.1	41.5	25.0	98.0	67.9	51.0	32.0
16-Dec	75.0	62.9	58.7	41.2	23.0	95.9	69.0	51.5	32.8
23-Dec	75.0	62.7	55.6	37.5	13.0	97.3	69.8	47.2	28.2
31-Dec	73.0	65.2	54.6	37.4	14.0	97.3	68.3	44.8	28.1

TYLER/POUNDS

TX

WMO No. 722448

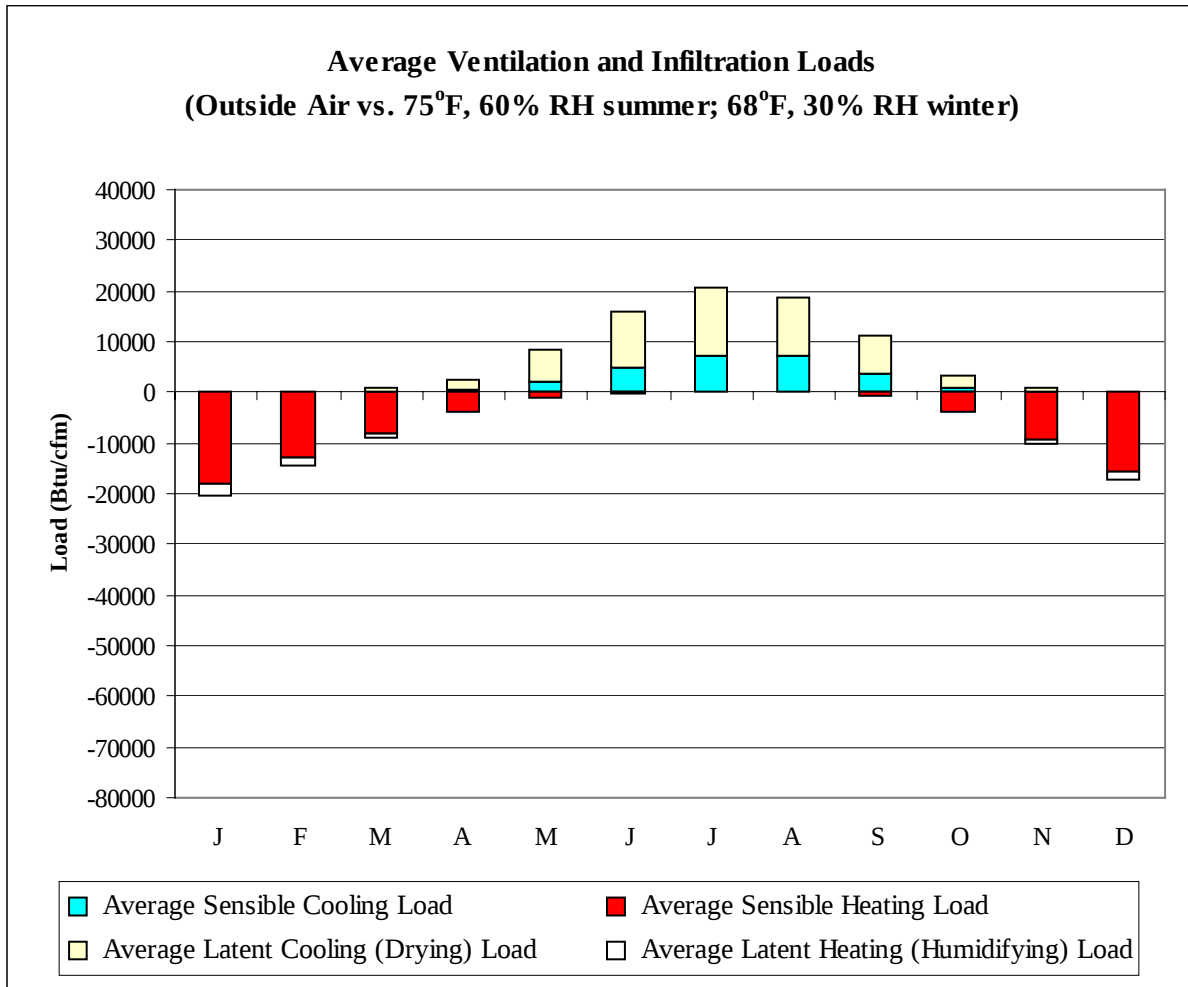


	Mean Cooling Degree Days (°F)	Mean Heating Degree Days (°F)
JAN	7	612
FEB	23	424
MAR	65	250
APR	141	101
MAY	294	21
JUN	467	1
JUL	585	0
AUG	575	0
SEP	371	17
OCT	161	100
NOV	49	298
DEC	15	521
ANN	2754	2345

TYLER/POUNDS

TX

WMO No. 722448



	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	5	-18172	101	-2226
FEB	56	-12913	101	-1532
MAR	197	-8222	644	-720
APR	664	-3719	1789	-162
MAY	2156	-979	6115	-3
JUN	5002	-89	11006	0
JUL	7359	-7	13264	0
AUG	7191	-22	11535	0
SEP	3594	-753	7438	-8
OCT	982	-3714	2380	-68
NOV	127	-9515	830	-648
DEC	13	-15688	261	-1709
ANN	27346	-73793	55464	-7076

Average Annual Solar Radiation – Nearest Available Site

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

City: LUFKIN
 State: TX
 WBAN No: 93987
 Lat(N): 31.23
 Long(W): 94.75
 Elev(ft): 315

Stn Type: Secondary
 SHADING GEOMETRY IN DIMENSIONLESS UNITS
 Window: 1
 Overhang: 0.926
 Vert Gap: 0.655

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	1410	1680	1880	2030	2030	1910	1600	1350	990	800	1470
	Std Dev	76	89	103	137	128	140	112	84	81	119	88	52	29
	Minimum	720	910	1210	1410	1640	1660	1770	1710	1380	1070	770	720	1400
	Maximum	1020	1280	1670	2070	2140	2260	2280	2100	1760	1560	1130	940	1530
	Diffuse	410	500	630	760	850	870	860	780	680	510	410	370	640
Clear Day	Global	1260	1580	1980	2330	2530	2580	2520	2340	2040	1640	1290	1150	1940
NORTH	Global	260	310	390	460	560	640	600	500	420	340	270	240	420
	Diffuse	260	310	390	450	510	530	520	470	420	340	270	240	390
Clear Day	Global	240	290	350	440	590	690	640	490	390	320	250	220	410
EAST	Global	510	650	780	880	950	1040	1080	1070	910	780	580	490	810
	Diffuse	310	370	460	550	600	630	630	600	520	420	330	280	480
Clear Day	Global	840	1010	1190	1330	1370	1370	1340	1290	1190	1020	850	780	1130
SOUTH	Global	1070	1130	1030	850	680	620	660	820	1030	1260	1200	1100	950
	Diffuse	400	460	510	540	540	530	540	550	550	510	430	380	500
Clear Day	Global	2000	1910	1600	1120	780	650	700	960	1380	1740	1920	1960	1390
WEST	Global	550	700	850	980	1050	1100	1060	1020	920	830	640	530	850
	Diffuse	310	380	470	560	620	640	640	600	530	430	330	290	480
Clear Day	Global	840	1010	1190	1330	1370	1370	1340	1290	1190	1020	850	780	1130

Average Annual Solar Heat and Illumination – Nearest Available Site

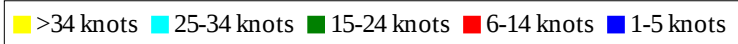
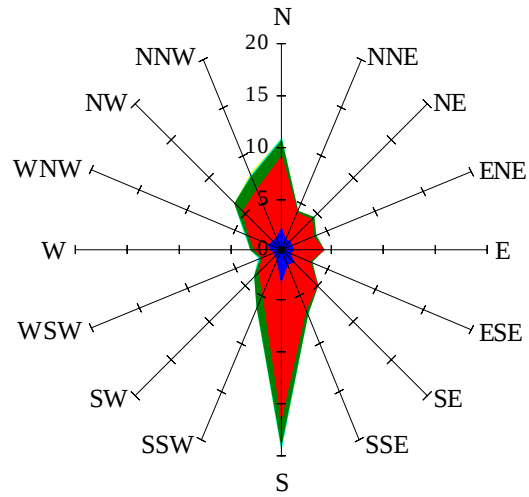
(Source: National Renewable Energy Laboratory, Golden CO, 1995)

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	1010	1220	1370	1480	1480	1390	1160	960	680	540	1060
NORTH	Unshaded	180	220	270	320	370	410	390	340	290	240	190	160	280
	Shaded	150	190	230	270	310	350	340	300	250	210	160	140	240
EAST	Unshaded	360	450	550	620	670	730	760	760	640	550	400	340	570
	Shaded	300	380	450	500	540	590	620	620	530	460	340	290	470
SOUTH	Unshaded	790	810	690	530	420	380	400	490	660	880	880	820	640
	Shaded	740	650	390	320	320	330	330	340	340	610	800	780	500
WEST	Unshaded	390	490	600	700	740	780	750	720	650	590	440	360	600
	Shaded	330	420	500	570	600	630	610	590	540	490	380	310	500

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	39	78	92	77	37	38	79	101	99	71
	M.Cloudy	21	46	56	47	23	25	58	79	77	52
NORTH	M.Clear	10	15	16	15	10	23	17	18	18	18
	M.Cloudy	9	17	19	16	9	15	18	19	19	18
EAST	M.Clear	77	64	16	15	10	66	74	39	18	17
	M.Cloudy	21	32	19	16	9	30	50	33	19	17
SOUTH	M.Clear	32	63	74	62	31	11	19	32	30	17
	M.Cloudy	13	32	40	33	16	10	19	29	28	17
WEST	M.Clear	10	15	17	65	74	11	17	18	47	75
	M.Cloudy	9	17	19	34	28	10	18	19	39	48
M.Clear	(% hrs)	33	35	35	37	40	40	37	37	39	50
		Sept					Dec				
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	24	68	91	86	55	20	52	63	46	10
	M.Cloudy	14	46	67	64	40	11	29	36	25	6
NORTH	M.Clear	8	15	18	17	14	6	11	12	10	4
	M.Cloudy	7	16	19	19	14	5	12	14	10	3
EAST	M.Clear	56	74	37	17	14	51	48	12	10	4
	M.Cloudy	19	41	31	19	14	12	21	14	10	3
SOUTH	M.Clear	14	46	65	61	38	41	80	92	74	24
	M.Cloudy	8	29	46	44	25	10	29	36	25	7
WEST	M.Clear	8	15	18	49	73	6	11	19	55	34
	M.Cloudy	7	16	19	37	42	5	12	15	21	9
M.Clear	(% hrs)	48	46	38	41	46	32	34	37	39	42

Wind Summary - December, January, and February

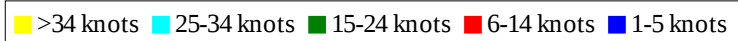
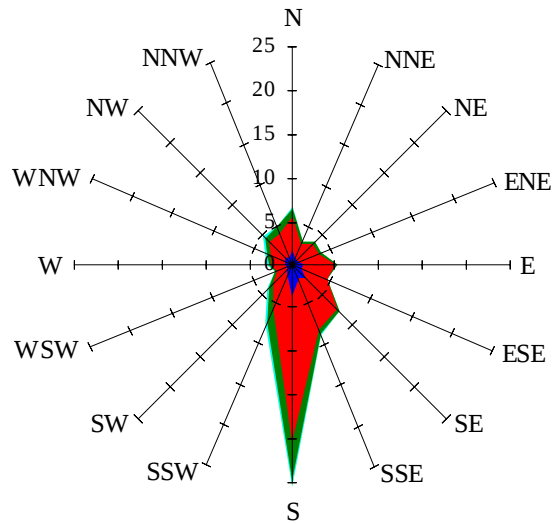
Labels of Percent Frequency on North Axis



Percent Calm = 6.55

Wind Summary - March, April, and May

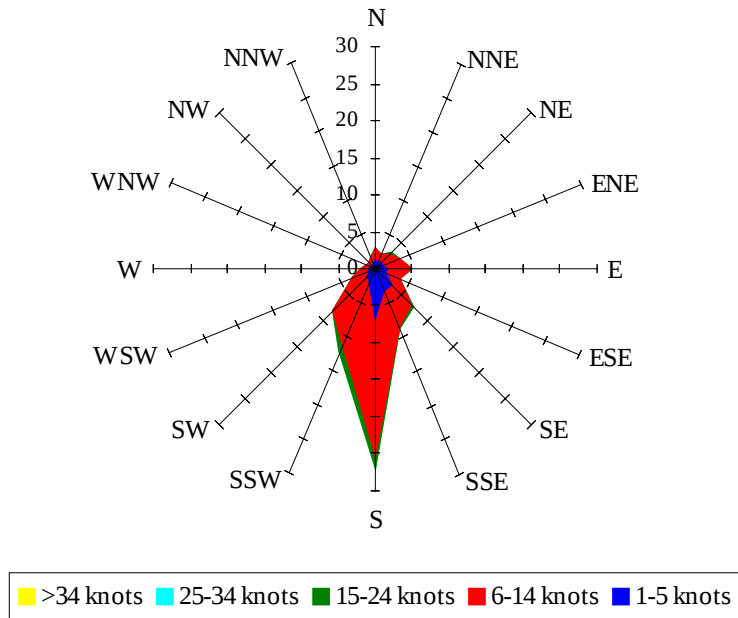
Labels of Percent Frequency on North Axis



Percent Calm = 5.32

Wind Summary - June, July, and August

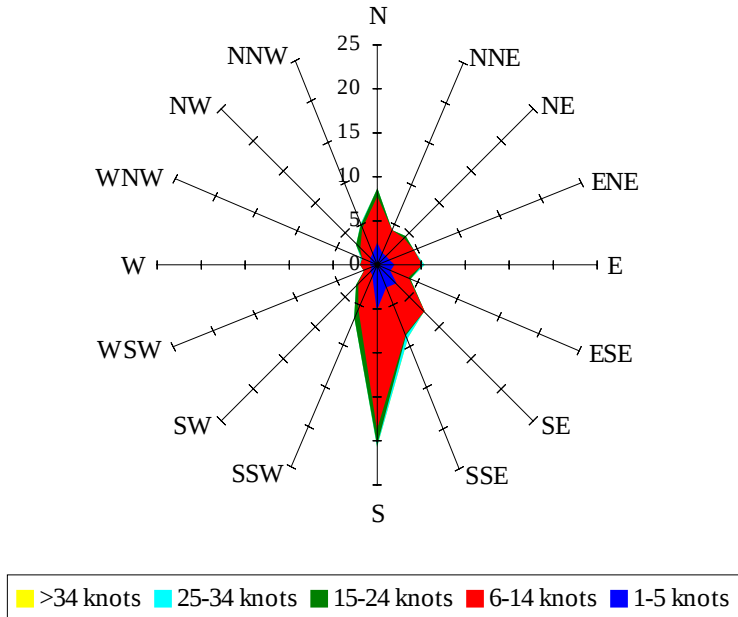
Labels of Percent Frequency on North Axis



Percent Calm = 8.10

Wind Summary - September, October, and November

Labels of Percent Frequency on North Axis



Percent Calm = 9.70