

HOUSTON/INTERCONTINENTAL TX

Latitude = 29.97 N

WMO No. 722430

Longitude = 95.35 W

Elevation = 108 feet

Period of Record = 1973 to 1996

Average Pressure = 29.89 inches Hg

Design Criteria Data

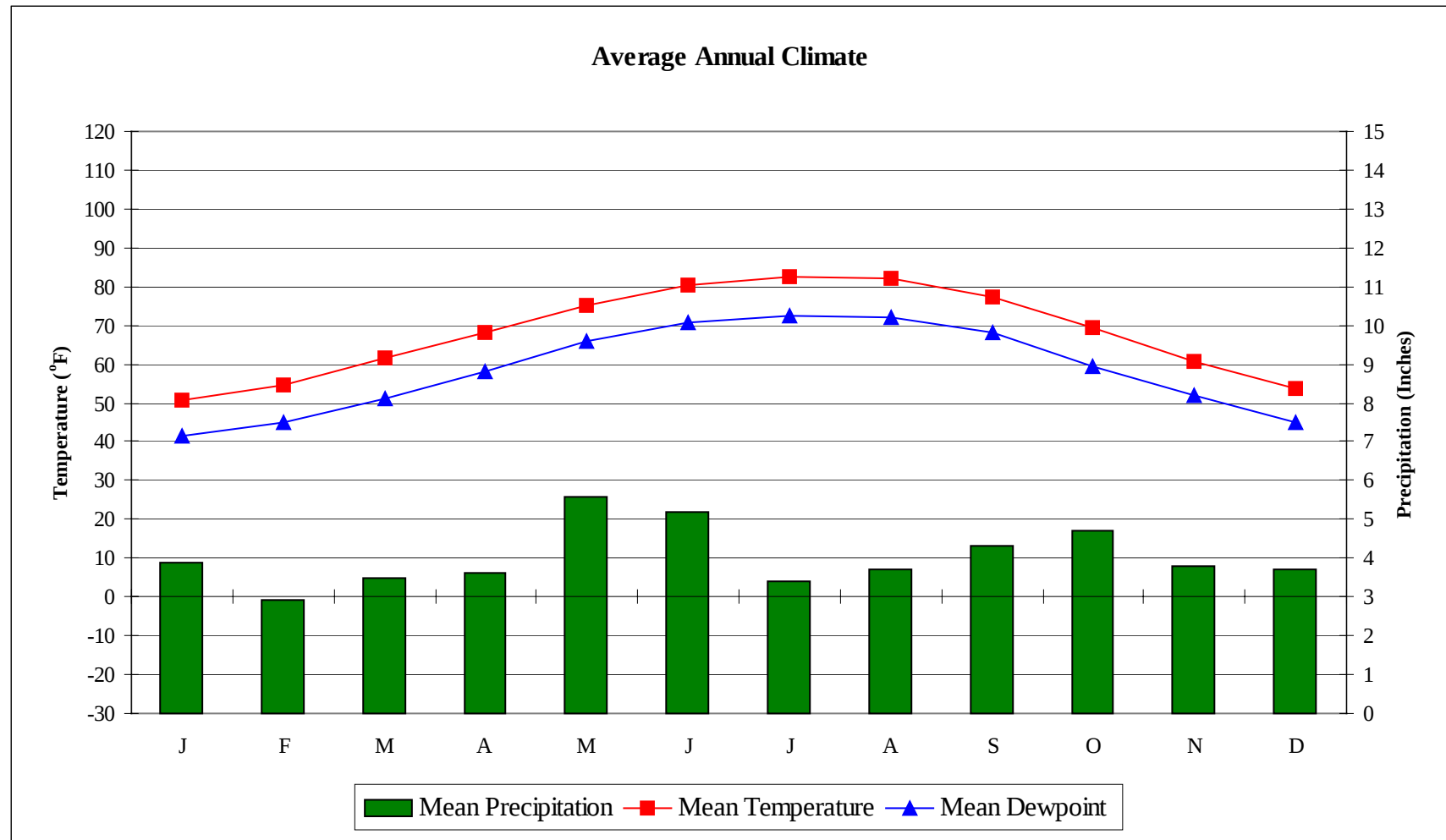
	Design Value	Mean Coincident (Average) Values			
		Wet Bulb Temperature (°F)	Humidity Ratio (gr/lb)	Wind Speed (mph)	Prevailing Direction (NSEW)
Dry Bulb Temperature (T)	(°F)				
Median of Extreme Highs	99	77	106	8.5	S
0.4% Occurrence	97	77	108	8.8	S
1.0% Occurrence	95	77	111	9.1	S
2.0% Occurrence	93	77	114	9.3	S
Mean Daily Range	20	-	-	-	-
97.5% Occurrence	35	33	24	6.2	N
99.0% Occurrence	31	29	20	6.3	N
99.6% Occurrence	27	25	15	6.8	N
Median of Extreme Lows	21	19	11	7.9	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	82	91	144	9.8	SE
0.4% Occurrence	80	89	135	9.3	S
1.0% Occurrence	79	88	132	9.0	S
2.0% Occurrence	79	88	132	9.0	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	156	86	1.04	9.0	SE
0.4% Occurrence	146	83	0.97	7.7	ESE
1.0% Occurrence	141	83	0.94	7.8	S
2.0% Occurrence	137	82	0.90	7.8	S
Air Conditioning/ Humid Area Criteria	# of Hours	T ≥ 93°F	T ≥ 80°F	T _{wb} ≥ 73°F	T _{wb} ≥ 67°F
		201	2045	2533	4225

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	110	8.5 + 2.2
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 (#)
70.5	0	0	11

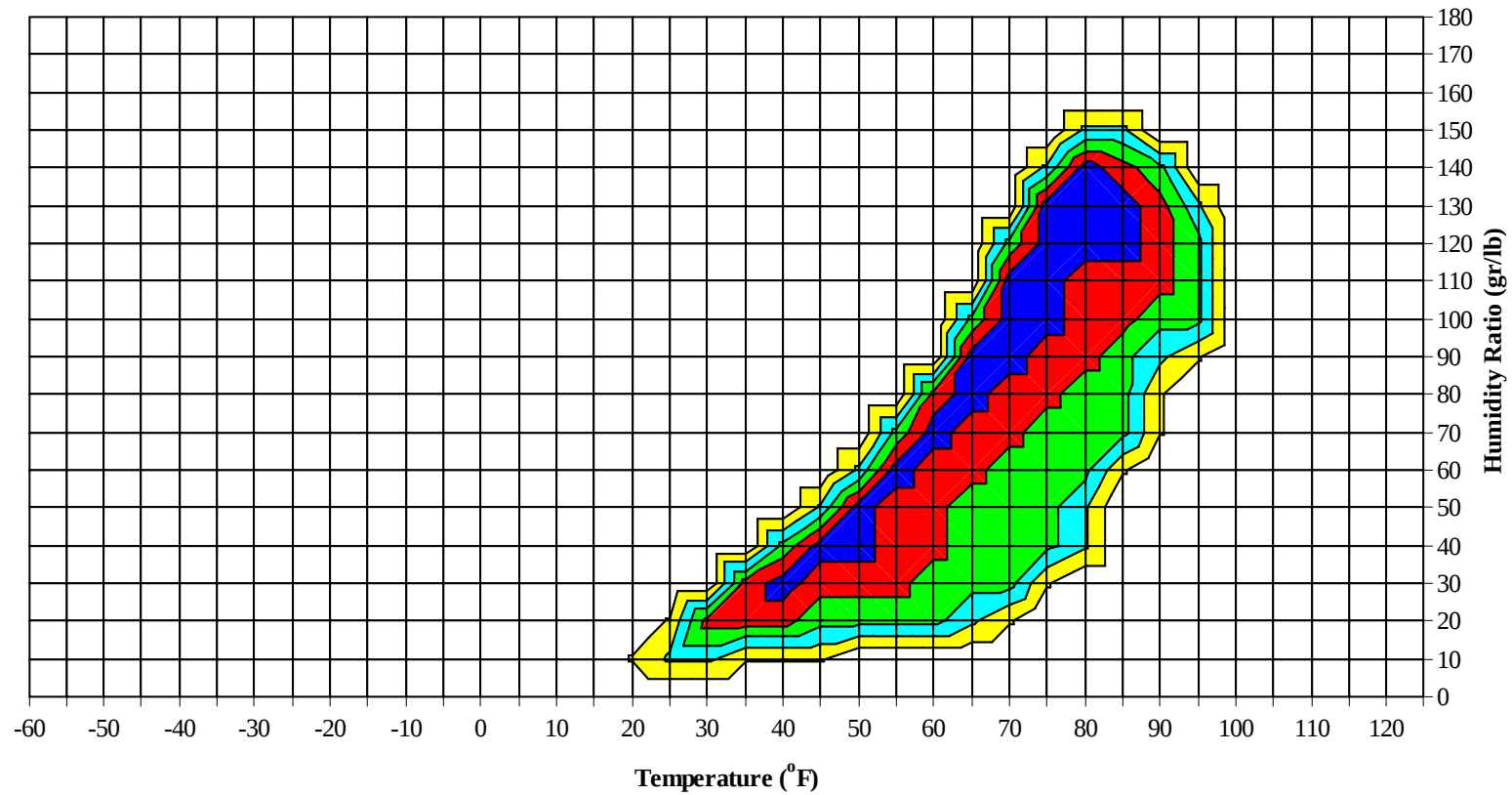
*Note: Temperatures at greater depths can be estimated by adding 1.5°F per 100 feet additional depth.

HOUSTON/INTERCONTINENTAL TX WMO No. 722430



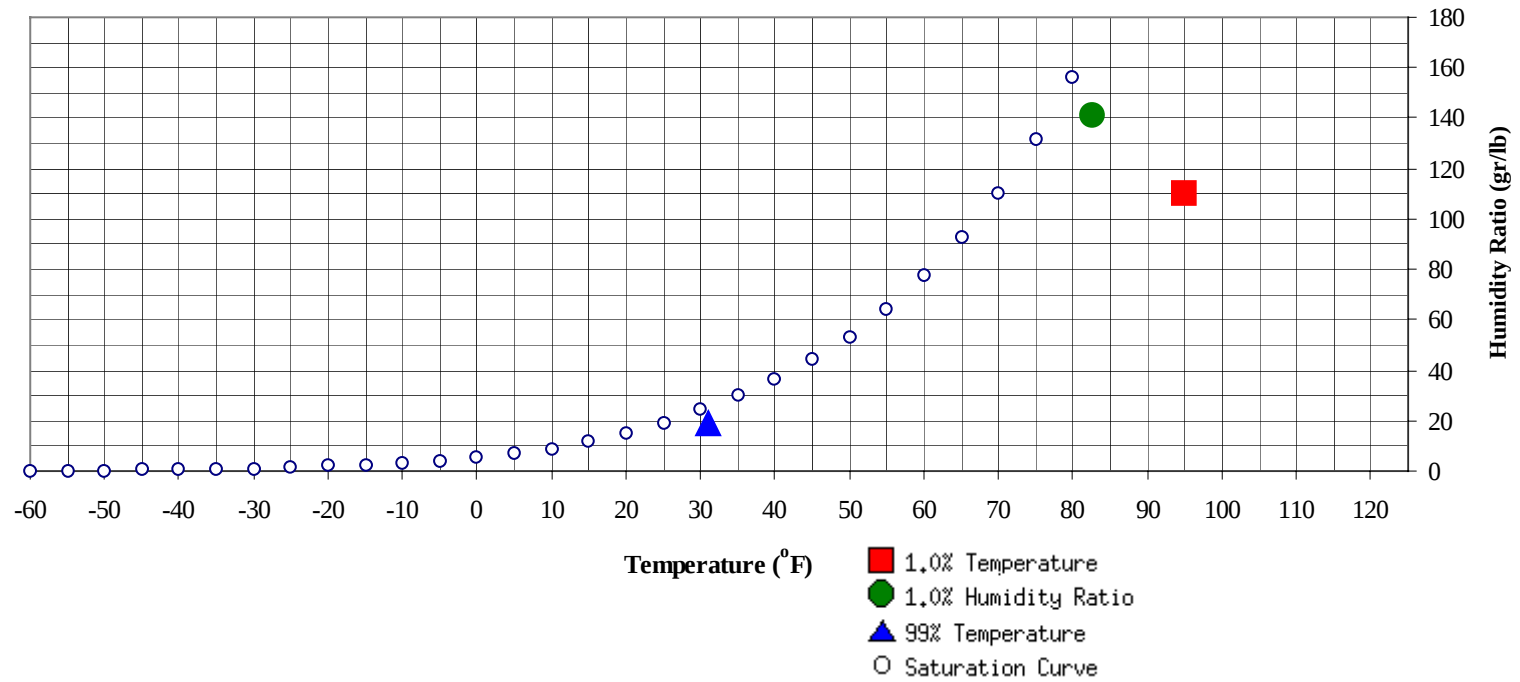
HOUSTON/INTERCONTINENTAL TX WMO No. 722430

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	31	19	10.4		141.4	82.7	78.5	77	42.0

	(°F)	MCHR (gr/lb)	MCWB (°F)	Enthalpy (btu/lb)
1.0% Dry Bulb	95	110.4	77	40.2

HOUSTON/INTERCONTINENTAL TX WMO No. 722430

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							0	0	0	71.0		0		0	67.0
85 / 89							1	0	1	67.5		2	0	2	68.3
80 / 84		1	0	1	68.6		5	1	6	64.6		15	4	19	67.4
75 / 79		10	2	12	66.4		17	5	22	64.4	0	42	14	56	65.8
70 / 74	6	23	13	42	65.0	5	32	18	55	63.5	23	56	44	124	64.9
65 / 69	12	27	21	60	61.2	19	33	29	81	60.7	38	45	50	134	61.3
60 / 64	15	32	25	72	56.3	22	30	35	87	56.8	35	35	46	116	56.9
55 / 59	26	36	36	98	52.1	25	32	33	90	52.4	38	23	40	101	52.4
50 / 54	30	35	39	104	47.9	30	26	35	91	47.6	41	14	25	80	48.3
45 / 49	37	31	37	105	43.3	38	20	28	86	43.4	33	9	14	56	44.2
40 / 44	42	26	36	104	38.6	33	13	19	65	39.2	22	4	7	33	39.8
35 / 39	40	14	22	76	34.7	26	9	13	48	34.8	10	1	3	14	34.7
30 / 34	27	8	12	47	30.3	16	4	6	26	30.6	5	0	1	6	30.0
25 / 29	9	2	4	15	25.1	8	2	2	12	25.6	2	0	0	2	25.5
20 / 24	5	1	1	7	20.6	2	0	0	2	21.3	0			0	20.7
15 / 19	1	0		1	15.9	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.

HOUSTON/INTERCONTINENTAL TX WMO No. 722430

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		
105 / 109															
100 / 104												0	0	0	79.5
95 / 99							0		0	77.8		9	2	11	77.6
90 / 94		2	0	2	67.3		13	2	15	75.6		64	15	79	76.8
85 / 89		11	2	13	70.5		64	16	80	73.8	1	88	42	131	75.8
80 / 84	0	50	13	63	69.5	5	84	46	135	72.2	38	48	73	159	75.2
75 / 79	8	67	40	115	67.8	48	48	73	169	71.2	88	21	69	178	73.7
70 / 74	52	50	65	167	66.4	76	24	62	162	68.5	81	8	33	122	70.5
65 / 69	48	30	50	128	62.5	61	11	34	106	64.6	23	1	6	30	65.3
60 / 64	43	16	33	92	58.1	36	2	11	49	59.9	7		1	8	60.3
55 / 59	35	9	20	64	53.6	15	1	4	20	55.2	1		0	1	55.8
50 / 54	29	3	11	43	49.4	5		1	6	51.3	0			0	50.5
45 / 49	16	1	5	22	45.3	2		0	2	47.0					
40 / 44	7	0	1	8	40.5	0			0	44.0					
35 / 39	1		0	1	36.5										
30 / 34	0			0	32.4										
25 / 29															
20 / 24															
15 / 19															
10 / 14															
5 / 9															

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HOUSTON/INTERCONTINENTAL TX WMO No. 722430

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						0			0	78.0					
100 / 104		2	1	3	77.8	1	0		1	76.3		0	0	0	77.7
95 / 99		26	6	32	77.2	29	6		35	76.9		6	1	7	76.4
90 / 94		95	29	124	77.3	0	83	24	107	77.1		44	7	51	76.0
85 / 89	3	80	50	132	76.9	2	81	49	131	76.9	0	78	24	102	75.3
80 / 84	50	30	85	165	76.2	36	36	80	152	76.1	13	57	57	127	74.2
75 / 79	115	12	60	187	74.5	116	14	66	195	74.4	67	33	74	174	72.9
70 / 74	76	3	18	97	71.2	83	4	23	110	71.3	87	15	45	147	69.8
65 / 69	3	0	0	3	65.7	10		1	11	65.9	33	5	19	57	63.8
60 / 64	0			0	59.4	2			2	61.3	22	1	10	33	58.9
55 / 59											12	0	3	15	54.5
50 / 54											6	0	0	6	50.8
45 / 49											0			0	47.3
40 / 44															
35 / 39															
30 / 34															
25 / 29															
20 / 24															
15 / 19															
10 / 14															
5 / 9															

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HOUSTON/INTERCONTINENTAL TX WMO No. 722430

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	72.8										
90 / 94		6	0	6	73.9										
85 / 89		36	5	41	72.7		4	0	4	71.2					
80 / 84	3	66	21	90	70.6		26	3	29	71.1		3	0	3	70.4
75 / 79	21	51	49	121	69.5	9	39	19	67	69.5	1	22	5	28	68.3
70 / 74	39	42	56	137	66.6	28	39	37	104	66.6	12	31	21	64	66.1
65 / 69	49	24	44	117	62.9	27	35	34	96	61.9	22	31	27	80	62.0
60 / 64	42	12	32	86	58.5	27	32	38	97	57.4	22	34	28	85	56.8
55 / 59	40	6	23	69	54.2	35	30	34	99	52.6	20	34	31	85	52.1
50 / 54	31	3	11	45	49.9	32	19	33	84	48.2	31	32	38	102	47.8
45 / 49	16	1	5	22	45.5	31	10	21	62	43.9	38	27	40	105	43.8
40 / 44	6	0	1	7	41.0	24	4	13	41	39.7	35	18	31	84	39.2
35 / 39	1		1	2	35.5	18	2	7	27	35.5	31	7	16	54	34.8
30 / 34	0		0	0	30.7	7	0	2	9	31.2	22	3	7	32	30.1
25 / 29						2	0	1	3	26.7	7	2	2	11	24.9
20 / 24						0			0	21.9	4	1	1	6	20.1
15 / 19											1	0	1	2	15.0
10 / 14											1	0	0	1	10.0
5 / 9											0			0	6.0

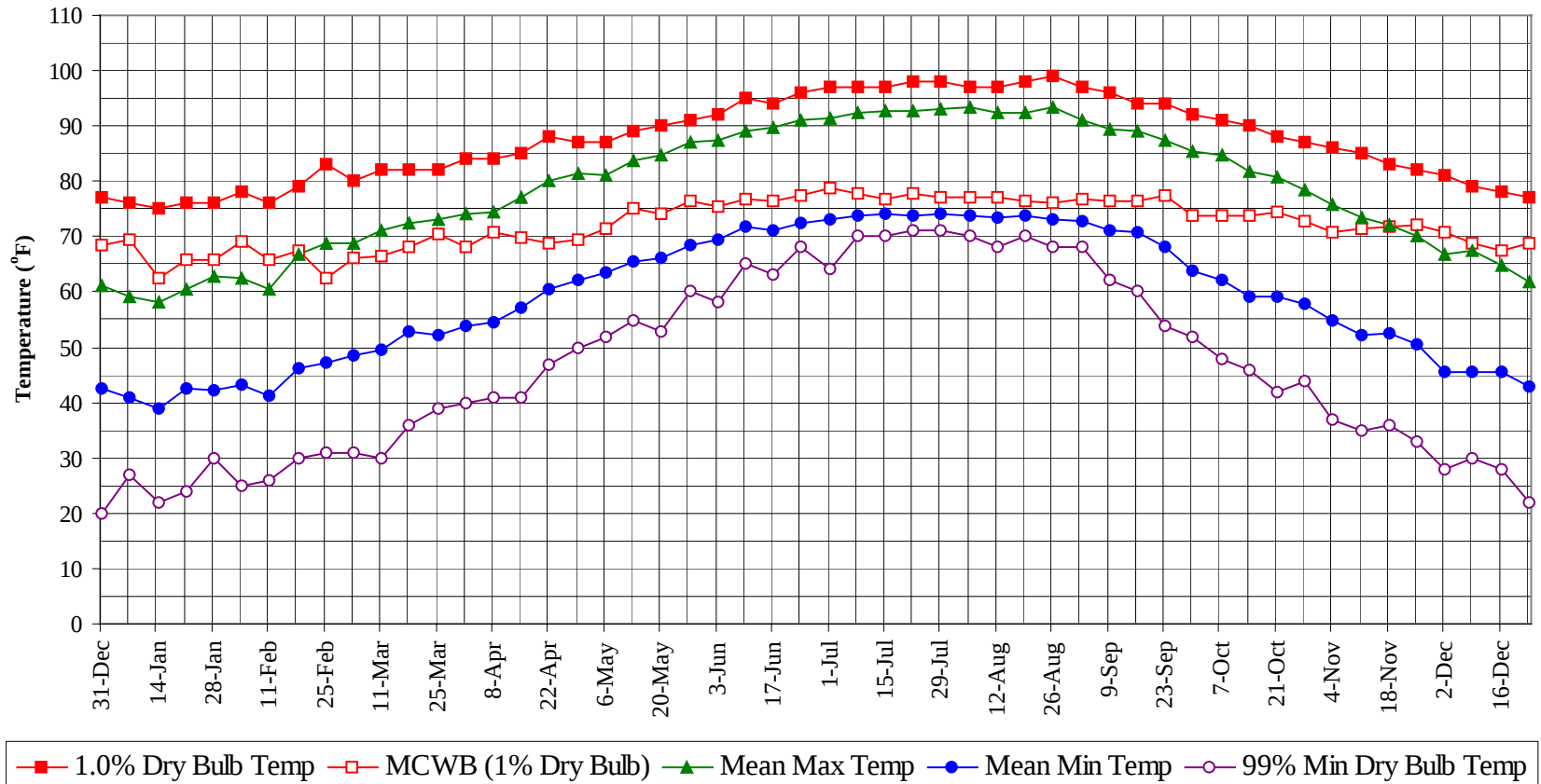
Caution: This summary reflects the typical distribution of temperature in a typical year. It does not reflect the typical moisture distribution. Because wet bulb temperatures are averaged, this summary understates the annual moisture load. For accurate moisture load data, see the long-term humidity summary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

HOUSTON/INTERCONTINENTAL TX WMO No. 722430
Dry-Bulb Temperature Hours For An Average Year (Sheet 5 of 5)
Period of Record = 1973 to 1996

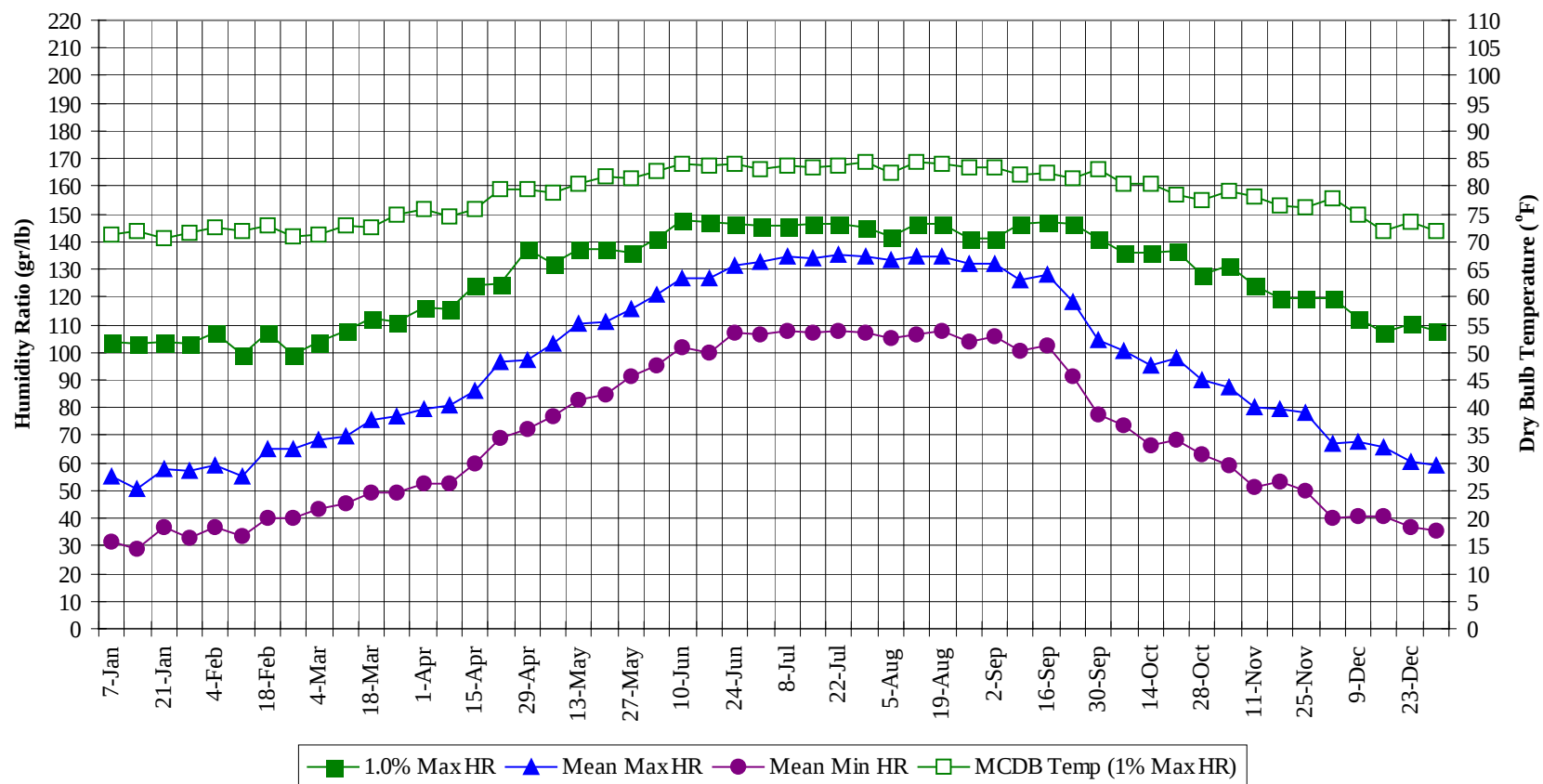
Annual Totals						
Temperature Range (°F)	Hour Group (LST)			Total Obs	M C W B (°F)	
	01 To 08	09 To 16	17 To 00			
105 / 109	0			0	78.0	
100 / 104	4			1	5	77.5
95 / 99	70			15	85	77.1
90 / 94	0	305	78	383	76.8	
85 / 89	6	444	188	638	75.5	
80 / 84	145	421	379	945	73.8	
75 / 79	471	377	472	1320	71.7	
70 / 74	566	329	433	1328	67.9	
65 / 69	345	244	314	903	62.5	
60 / 64	274	196	258	728	57.6	
55 / 59	247	172	225	644	52.8	
50 / 54	236	134	193	563	48.3	
45 / 49	211	101	152	464	43.8	
40 / 44	170	66	110	346	39.2	
35 / 39	129	33	61	223	34.8	
30 / 34	78	16	28	122	30.4	
25 / 29	27	6	10	43	25.3	
20 / 24	11	2	2	15	20.6	
15 / 19	2	0	1	3	15.5	
10 / 14	1	0	0	1	10.1	
5 / 9	0			0	6.0	

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Annual Summary of Temperatures



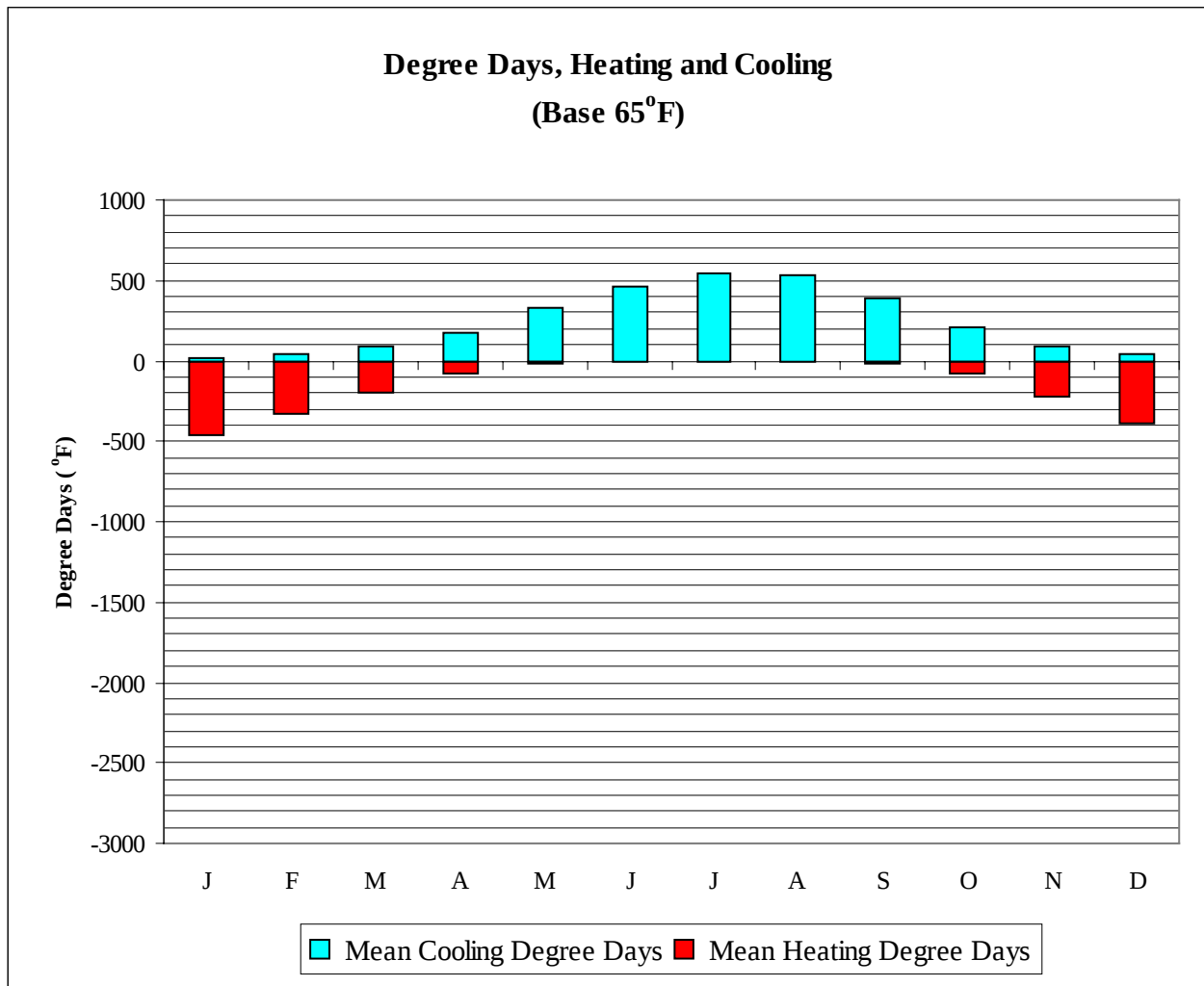
Long Term Humidity and Dry Bulb Temperature Summary



HOUSTON/INTERCONTINENTAL TX WMO No. 722430

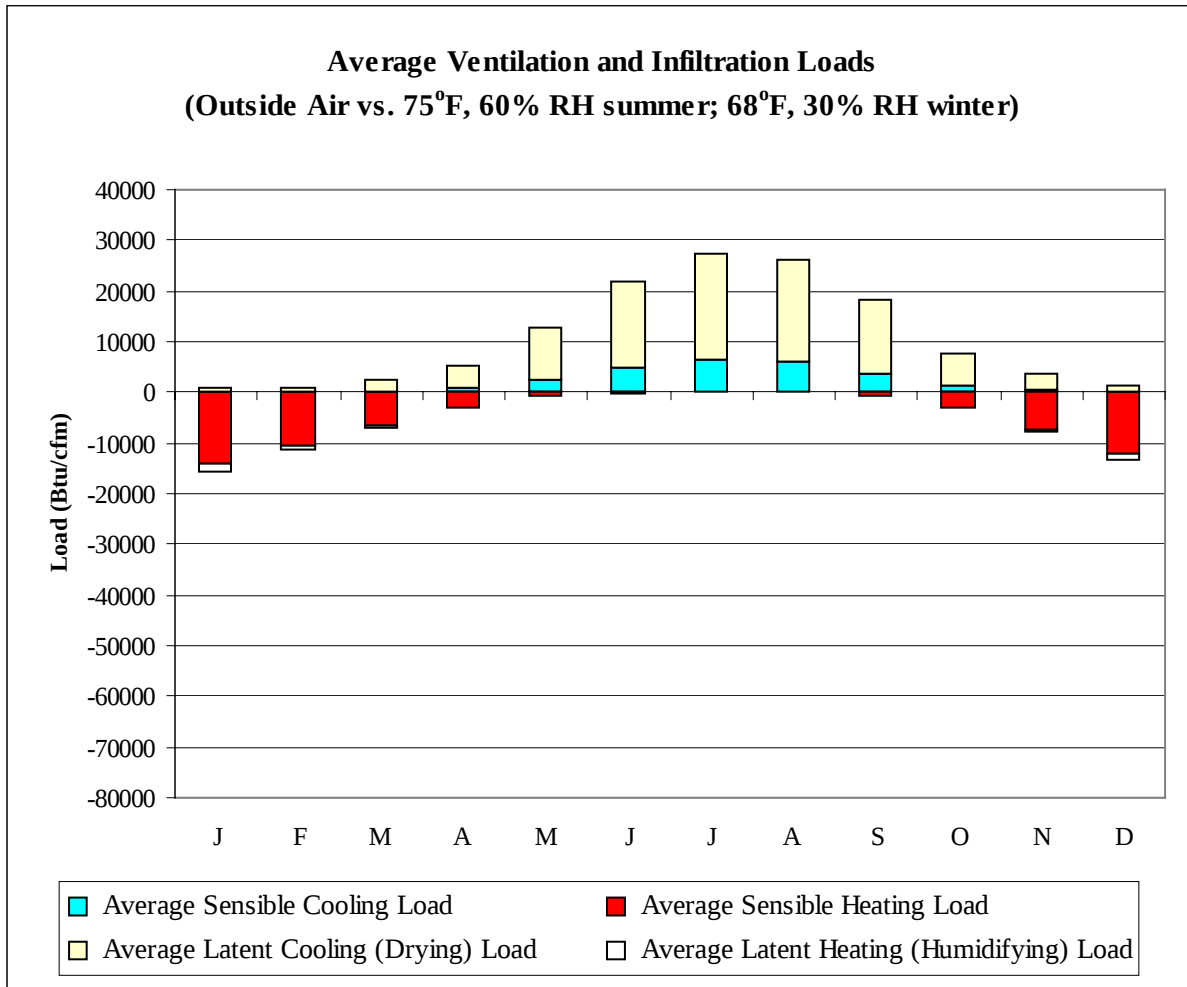
Long Term Dry Bulb Temperature and Humidity Summary

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	76.0	69.5	59.0	41.0	27.0	103.6	71.2	55.3	31.5
14-Jan	75.0	62.5	58.3	39.0	22.0	102.9	71.8	50.3	28.9
21-Jan	76.0	65.8	60.6	42.6	24.0	103.6	70.7	57.5	36.5
28-Jan	76.0	65.9	62.7	42.1	30.0	102.9	71.7	57.0	33.1
4-Feb	78.0	69.1	62.4	43.2	25.0	107.1	72.7	59.0	36.5
11-Feb	76.0	65.7	60.5	41.3	26.0	99.4	71.9	54.9	33.3
18-Feb	79.0	67.5	66.8	46.3	30.0	107.1	72.8	65.2	39.8
25-Feb	83.0	62.4	68.9	47.2	31.0	99.4	71.0	65.1	40.3
4-Mar	80.0	66.1	68.9	48.6	31.0	103.6	71.2	68.0	43.2
11-Mar	82.0	66.5	71.1	49.5	30.0	107.8	73.0	69.8	45.5
18-Mar	82.0	68.3	72.6	52.8	36.0	112.0	72.5	75.8	49.2
25-Mar	82.0	70.6	73.0	52.3	39.0	111.3	75.0	76.7	49.1
1-Apr	84.0	68.1	74.1	53.9	40.0	116.2	76.0	79.8	52.6
8-Apr	84.0	70.8	74.5	54.3	41.0	115.5	74.5	81.1	52.5
15-Apr	85.0	69.9	77.1	57.2	41.0	123.9	76.0	85.8	59.6
22-Apr	88.0	68.8	79.9	60.6	47.0	124.6	79.4	96.2	69.2
29-Apr	87.0	69.6	81.3	62.0	50.0	137.2	79.5	97.4	72.2
6-May	87.0	71.4	81.2	63.3	52.0	132.3	78.9	103.0	77.1
13-May	89.0	75.0	83.8	65.4	55.0	137.2	80.4	110.0	82.8
20-May	90.0	74.1	84.8	66.1	53.0	137.2	81.7	111.0	84.8
27-May	91.0	76.6	87.0	68.4	60.0	135.8	81.3	115.7	91.3
3-Jun	92.0	75.3	87.5	69.5	58.0	141.4	82.7	120.6	95.3
10-Jun	95.0	76.7	89.1	71.8	65.0	147.7	84.0	127.0	101.5
17-Jun	94.0	76.4	89.7	71.0	63.0	147.0	83.6	126.4	100.1
24-Jun	96.0	77.6	90.9	72.6	68.0	146.3	84.1	131.4	107.2
1-Jul	97.0	78.6	91.2	73.3	64.0	145.6	83.2	132.4	106.2
8-Jul	97.0	77.9	92.3	73.8	70.0	145.6	83.9	134.5	107.8
15-Jul	97.0	76.9	92.6	74.0	70.0	146.3	83.4	134.2	106.8
22-Jul	98.0	77.7	92.8	73.7	71.0	146.3	83.8	135.2	107.7
29-Jul	98.0	76.9	93.1	74.2	71.0	144.9	84.4	134.5	107.0
5-Aug	97.0	77.0	93.3	73.7	70.0	142.1	82.6	133.4	105.4
12-Aug	97.0	77.2	92.3	73.5	68.0	146.3	84.5	134.4	106.1
19-Aug	98.0	76.5	92.5	73.7	70.0	146.3	84.2	134.9	107.4
26-Aug	99.0	76.1	93.4	73.0	68.0	141.4	83.3	132.2	103.9
2-Sep	97.0	76.8	91.2	72.8	68.0	141.4	83.6	132.2	106.0
9-Sep	96.0	76.4	89.5	71.2	62.0	146.3	82.1	126.4	100.6
16-Sep	94.0	76.6	89.0	70.9	60.0	147.0	82.6	127.9	102.3
23-Sep	94.0	77.4	87.2	68.0	54.0	146.3	81.6	118.2	91.4
30-Sep	92.0	73.9	85.5	63.9	52.0	141.4	83.0	104.6	77.6
7-Oct	91.0	73.8	84.7	62.2	48.0	135.8	80.5	100.8	73.5
14-Oct	90.0	73.7	81.7	59.1	46.0	135.8	80.3	95.4	66.6
21-Oct	88.0	74.4	80.7	59.0	42.0	136.5	78.5	97.6	68.1
28-Oct	87.0	72.8	78.3	57.9	44.0	128.1	77.4	89.7	63.3
4-Nov	86.0	70.8	75.6	54.9	37.0	131.6	79.2	87.1	59.1
11-Nov	85.0	71.6	73.5	52.1	35.0	123.9	78.2	80.3	51.3
18-Nov	83.0	71.6	72.2	52.4	36.0	119.7	76.4	79.7	53.3
25-Nov	82.0	72.3	70.0	50.6	33.0	119.7	76.1	77.9	49.7
2-Dec	81.0	70.8	66.7	45.6	28.0	119.7	77.7	67.1	39.9
9-Dec	79.0	68.8	67.4	45.7	30.0	112.0	74.8	67.9	40.4
16-Dec	78.0	67.4	64.8	45.5	28.0	107.1	71.9	65.9	40.4
23-Dec	77.0	68.7	61.7	43.0	22.0	110.6	73.7	60.6	36.5
31-Dec	77.0	68.5	61.2	42.5	20.0	107.8	71.8	59.0	35.4



	Mean Cooling Degree Days (°F)	Mean Heating Degree Days (°F)
JAN	23	467
FEB	38	331
MAR	88	192
APR	174	80
MAY	331	15
JUN	464	1
JUL	546	0
AUG	527	0
SEP	385	12
OCT	215	82
NOV	93	223
DEC	40	393
ANN	2924	1796

HOUSTON/INTERCONTINENTAL TX WMO No. 722430



	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	26	-14228	706	-1456
FEB	92	-10356	725	-912
MAR	251	-6478	2130	-365
APR	869	-2982	4451	-58
MAY	2680	-742	10243	0
JUN	4887	-87	17125	0
JUL	6385	-3	20851	0
AUG	6003	-17	20204	0
SEP	3663	-538	14461	0
OCT	1512	-3010	6207	-27
NOV	369	-7280	3122	-386
DEC	63	-12121	1348	-1086
ANN	26800	-57842	101573	-4290

Average Annual Solar Radiation – Nearest Available Site

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

City: HOUSTON
 State: TX
 WBAN No: 12960
 Lat(N): 29.98
 Long(W): 95.37
 Elev(ft): 108

Stn Type: Secondary
 SHADING GEOMETRY IN DIMENSIONLESS UNITS
 Window: 1
 Overhang: 0.876
 Vert Gap: 0.649

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	840	1080	1340	1590	1780	1910	1880	1780	1540	1330	970	790	1400
	Std Dev	80	93	113	152	144	156	122	126	121	128	104	54	39
	Minimum	710	880	1130	1350	1470	1620	1600	1520	1330	1040	690	690	1330
	Maximum	1000	1290	1600	2020	2030	2180	2130	2000	1790	1660	1240	930	1510
	Diffuse	420	500	630	760	830	860	860	790	680	520	430	390	640
Clear Day	Global	1300	1620	2010	2350	2520	2570	2520	2350	2060	1680	1340	1190	1960
NORTH	Global	260	310	380	450	550	630	590	500	410	340	270	240	410
	Diffuse	260	310	380	440	490	520	510	470	410	340	270	240	390
Clear Day	Global	240	290	360	430	590	700	640	490	390	320	260	230	410
EAST	Global	490	620	730	840	930	1020	1030	1010	900	780	580	470	780
	Diffuse	300	370	450	530	590	620	620	590	520	430	330	290	470
Clear Day	Global	860	1030	1200	1320	1360	1350	1330	1280	1180	1030	860	800	1130
SOUTH	Global	990	1050	950	780	630	570	610	750	960	1190	1130	1000	880
	Diffuse	390	440	490	520	520	510	520	540	540	500	420	380	480
Clear Day	Global	2000	1900	1570	1070	730	610	660	920	1340	1720	1900	1960	1360
WEST	Global	530	660	800	910	980	1030	980	950	870	800	610	490	800
	Diffuse	310	370	460	540	600	620	610	580	510	430	330	290	470
Clear Day	Global	860	1030	1200	1320	1360	1350	1330	1280	1180	1030	860	800	1130

Average Annual Solar Heat and Illumination – Nearest Available Site

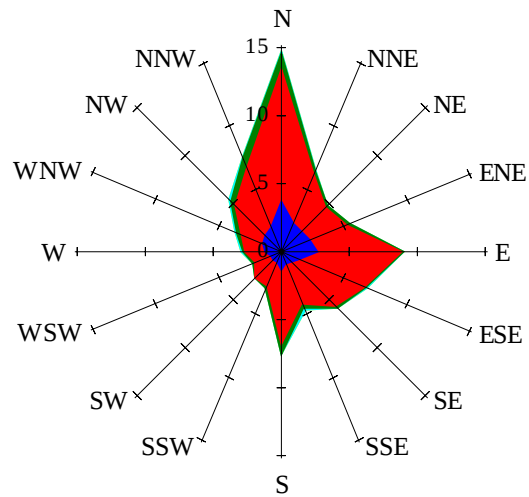
(Source: National Renewable Energy Laboratory, Golden CO, 1995)

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	580	760	960	1150	1290	1390	1370	1290	1110	950	670	540	1010
NORTH	Unshaded	180	220	260	310	360	400	380	330	280	240	190	170	280
	Shaded	150	190	230	270	310	340	330	290	250	210	170	140	240
EAST	Unshaded	340	440	520	600	650	720	730	720	640	550	400	330	550
	Shaded	290	370	430	490	540	590	600	600	530	460	350	280	460
SOUTH	Unshaded	730	740	630	480	390	360	380	450	610	830	820	740	600
	Shaded	680	600	370	310	310	320	320	330	340	590	740	710	470
WEST	Unshaded	370	470	570	650	690	730	690	670	610	560	420	340	570
	Shaded	320	400	480	540	570	610	570	560	520	480	360	290	470

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	94	79	39	36	78	101	99	72
	M.Cloudy	20	44	54	45	22	24	56	73	71	51
NORTH	M.Clear	10	15	16	15	10	24	18	17	18	19
	M.Cloudy	9	16	18	16	9	15	18	19	19	18
EAST	M.Clear	77	65	16	15	10	64	74	39	18	17
	M.Cloudy	21	31	19	16	9	31	49	32	19	17
SOUTH	M.Clear	31	61	72	62	31	11	17	29	28	17
	M.Cloudy	12	29	38	31	15	10	18	26	25	17
WEST	M.Clear	10	15	16	65	76	11	17	17	46	74
	M.Cloudy	9	16	19	32	25	10	18	19	36	47
M.Clear	(% hrs)	28	29	30	32	36	42	31	28	30	38
		Sept					Dec				
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	23	68	92	86	56	20	54	65	48	12
	M.Cloudy	15	46	64	61	39	10	29	36	26	7
NORTH	M.Clear	8	15	17	17	14	7	11	13	11	5
	M.Cloudy	7	16	19	18	14	5	12	14	11	4
EAST	M.Clear	53	74	38	17	14	51	50	13	11	5
	M.Cloudy	21	43	30	18	14	12	21	14	11	4
SOUTH	M.Clear	14	45	64	60	38	40	80	91	74	26
	M.Cloudy	8	29	43	40	24	10	28	34	25	8
WEST	M.Clear	8	15	17	48	73	7	11	18	55	37
	M.Cloudy	7	16	19	34	40	5	12	15	21	10
M.Clear	(% hrs)	51	38	33	34	39	29	29	30	32	32

Wind Summary - December, January, and February

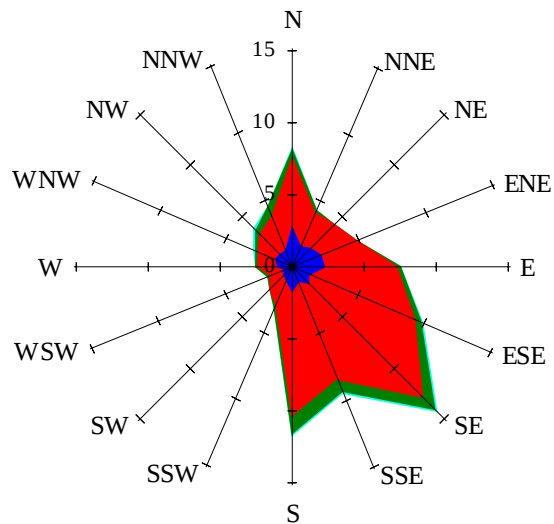
Labels of Percent Frequency on North Axis



Percent Calm = 8.21

Wind Summary - March, April, and May

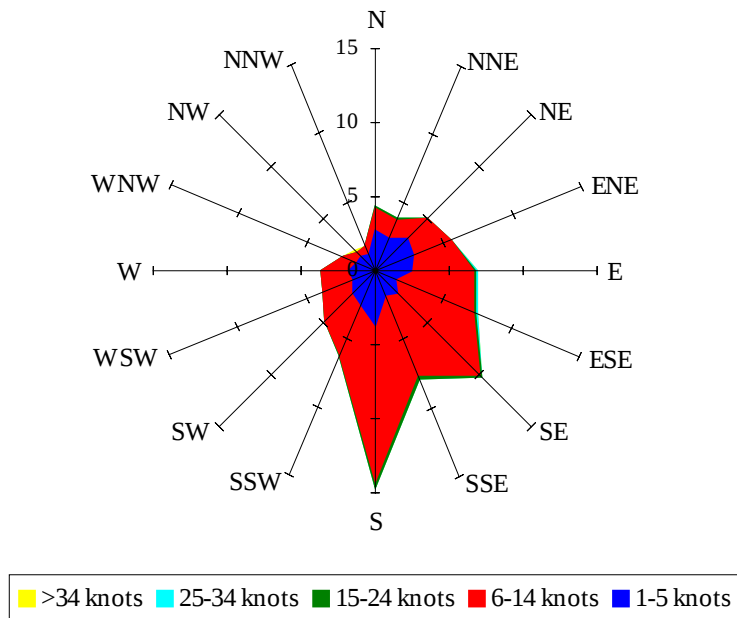
Labels of Percent Frequency on North Axis



Percent Calm = 6.30

Wind Summary - June, July, and August

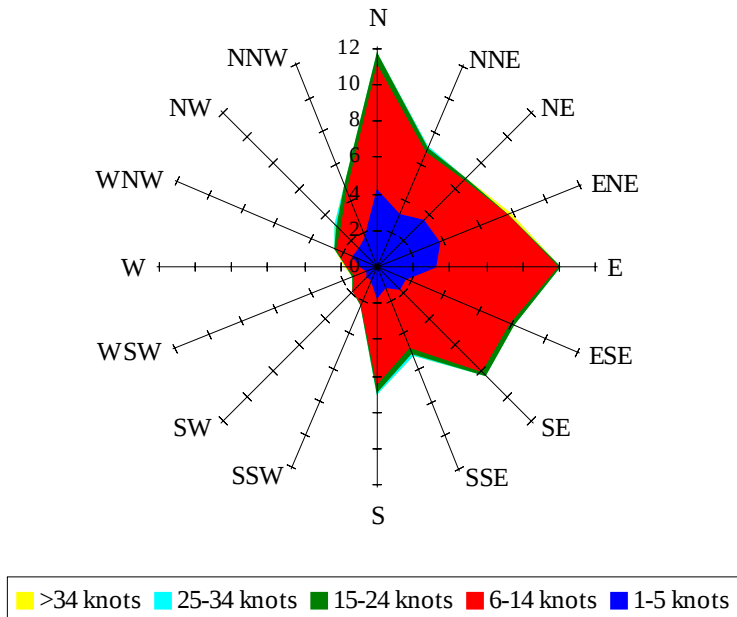
Labels of Percent Frequency on North Axis



Percent Calm = 10.07

Wind Summary - September, October, and November

Labels of Percent Frequency on North Axis



Percent Calm = 10.77