DECEMBER 2005
LOCAL CLIMATOLOGICAL DATA
NOAA, National Climatic Data Center

HOUSTON, TX
G BUSH INTCNTL APT/HOU APT (IAH)
Lat: 29°59' N Long: 95°21' W Elev (Ground): 118 Feet
Time Zone: CENTRAL WBAN: 12960 ISSN #:0198−5094

DATE	TEMPERATURE °F MAXIMUM	MINIMUM	AVERAGE	DEP FROM NORMAL	AVERAGE DEW PT	AVERAGE WET BULB	DEG DAYS BASE 65° HEATING	COOLING	WEATHER	SNOW/ICE ON GND(IN) 0600 LST DEPTH	1200 LST WATER EQUIV	PRECIPITATION (INCHES) 2400 LST SNOW−FALL	2400 LST WATER EQUIV	PRESSURE (INCHES OF HG) AVERAGE STATION	AVERAGE SEA LEVEL	WIND SPEED = MPH DIR = TENS OF DEGREES RESULTANT SPEED	RES DIR	AVERAGE SPEED	MAXIMUM 5−SEC SPEED	5−SEC DIR	MAXIMUM 2−MIN SPEED	2−MIN DIR	DATE
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
01	70	50	60	3	46	53	5	0		0		0.0	0.00	29.98	30.09	6.4	36	7.5	22	03	18	01	01
02	67	42	55	-1	48	52	10	0	BR	0		0.0	0.00	29.93	30.04	7.7	12	9.8	21	14	18	14	02
03	83*	67	75*	19	66	69	0	10		0		0.0	0.00	29.76	29.87	8.6	20	9.3	28	21	22	22	03
04	78	49	64	8	55	59	1	0	RA BR	0		0.0	0.40	29.82	29.94	4.8	32	8.0	21	34	17	34	04
05	58	40	49	-7	30	41	16	0		0		0.0	0.00	30.08	30.20	10.7	35	11.1	29	01	21	01	05
06	58	32	45	-10	30	39	20	0		0		0.0	0.00	30.12	30.24	6.6	11	7.8	18	13	15	15	06
07	53	37	45	-10	38	44	20	0	RA DZ BR	0		0.0	0.01	30.07	30.19	8.4	03	11.2	23	33	18	33	07
08	37	31*	34*	-21	27	31	31	0	RA DZ HZ	0		0.0	T	30.29	30.41	14.5	34	14.7	31	34	24	34	08
09	48	33	41	-14	23	34	24	0		0		0.0	0.00	30.29	30.41	6.7	02	7.8	18	01	15	01	09
10	55	39	47	-8	39	44	18	0	RA BR	0		0.0	T	30.07	30.19	1.1	31	1.5	8	33	8	33	10
11	65	37	51	-3	32	42	14	0		0		0.0	0.00	30.08	30.20	3.5	34	4.4	14	36	12	01	11
12	69	41	55	1	36	45	10	0		0		0.0	0.00	30.02	30.14	0.8	20	1.9	8	19	7	19	12
13	70	39	55	1	47	52	10	0	BR	0		0.0	0.00	29.94	30.06	6.2	14	6.7	22	14	18	14	13
14	69	47	58	4	56	58	7	0	TSRA RA FG+ BR	0		0.0	5.64	29.75	29.86	5.8	31	12.4	35*	30	29*	29	14
15	60	41	51	-3	30	41	14	0		0		0.0	0.00	29.99	30.10	9.9	34	10.3	24	03	21	01	15
16	50	38	44	-9	27	38	21	0	RA	0		0.0	0.01	30.05	30.17	8.1	07	8.7	21	12	17	08	16
17	48	39	44	-9	40	41	21	0	RA BR	0		0.0	0.31	30.13	30.25	9.8	04	10.6	21	09	17	08	17
18	55	37	46	-7	35	41	19	0		0		0.0	0.00	30.32	30.44	6.3	36	6.5	18	01	15	36	18
19	58	36	47	-6	32	40	18	0		0		0.0	0.00	30.34	30.46	5.8	04	7.3	23	01	21	01	19
20	49	38	44	-9	35	40	21	0	RA	0		0.0	T	30.25	30.37	6.1	06	7.5	15	08	10	06	20
21	57	38	48	-5	37	42	17	0	BR	0		0.0	0.00	30.26	30.38	2.3	36	3.5	12	36	9	36	21
22	59	34	47	-6	38	42	18	0	MIFG BR	0		0.0	0.00	30.18	30.30	3.3	13	4.7	18	12	15	12	22
23	74	39	57	4	50	53	8	0	BR	0		0.0	0.00	29.91	30.02	6.3	16	6.6	22	17	17	16	23
24	71	54	63	11	44	55	2	0		0		0.0	0.00	29.77	29.89	9.9	29	12.2	31	30	24	31	24
25	69	44	57	5	34	45	8	0		0		0.0	0.00	29.91	30.03	6.5	29	6.9	26	29	21	30	25
26	78	39	59	7	46	52	6	0		0		0.0	0.00	29.93	30.04	5.4	19	5.9	20	19	16	19	26
27	79	58	69	17	61	64	0	4	BR	0		0.0	0.00	29.78	29.90	8.9	20	9.3	30	22	22	22	27
28	73	48	61	9	45	53	4	0	FG+ MIFG BR	0		0.0	0.00	29.77	29.89	4.1	30	5.1	16	30	13	32	28
29	72	41	57	5	41	48	8	0		0		0.0	0.00	29.75	29.86	4.3	14	5.2	18	14	16	14	29
30	77	52	65	13	56	59	0	0	FG BR	0		0.0	0.00	29.71	29.83	3.8	25	5.1	24	25	16	25	30
31	76	45	61	9	52	56	4	0	BR	0		0.0	0.00	29.76	29.87	2.9	17	5.5	17	18	13	18	31
	64.0	42.1	53.1		41.2	47.5	12.1	0.5	< MONTHLY AVERAGES	TOTALS−>		0.0	6.37	30.00	30.12	1.6	01	7.6	<− MONTHLY AVERAGES				
	-.6	-.7	-.6		<−−−−−−−−−−−−−DEPARTURE FROM NORMAL−−−−−−−−−−−−−>								2.68	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									

DEGREE DAYS

	MONTHLY TOTAL	MONTHLY DEPARTURE	SEASON TO DATE TOTAL	SEASON TO DATE DEPARTURE
HEATING:	375	8	549	-45
COOLING:	14	-11	3292	399

GREATEST 24−HR PRECIPITATION: 5.64 DATE :14
GREATEST 24−HR SNOWFALL: 0.0 DATE :
GREATEST SNOW DEPTH: 0 DATE :

SEA LEVEL PRESSURE		DATE	TIME
MAXIMUM	30.55	19	0953
MINIMUM	29.72	14	1353

NUMBER OF DAYS WITH →

MAXIMUM TEMP ≥ 90:	0	MINIMUM TEMP ≤ 32 :	2
MAXIMUM TEMP ≤ 32 :	0	MINIMUM TEMP ≤ 0 :	0
THUNDERSTORMS :	1	HEAVY FOG :	2
PRECIPITATION ≥ 0.01 INCH :	5		
PRECIPITATION ≥ 0.10 INCH :	3		
SNOWFALL ≥ 1.0 INCH :	0		

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

HOUSTON, TX

DECEMBER 2005 IAH WBAN # 12960

DATE	FOR HOUR (LST) ENDING AT												DATE	FOR HOUR (LST) ENDING AT											DATE	Sum if Different (See Note)	2400 LST
	1	2	3	4	5	6	7	8	9	10	11	12		13	14	15	16	17	18	19	20	21	22	23	24			Water Equiv.
01													01													01		0.00
02													02													02		0.00
03													03													03		0.00
04											T		04						0.10	T	0.30	T				04		0.40
05													05													05		0.00
06													06													06		0.00
07						T	T	T	T			T	07		T	T	T	T	T	0.01	T	T	T		T	07		0.01
08	T		T	T	T	T	T						08													08		T
09													09													09		0.00
10													10	T	T	T										10		T
11													11													11		0.00
12													12													12		0.00
13													13													13		0.00
14		T	T						0.04	0.78	1.48	0.65	14	1.04	1.22	0.13	0.22	T	T	T	0.06	0.02				14		5.64
15													15													15		0.00
16													16									T	T	T	0.01	16		0.01
17	T	0.02	0.02	T	0.04	0.02	T	0.05	0.09	0.04	0.03	T	17													17		0.31
18													18													18		0.00
19													19													19		0.00
20													20			T	T	T								20		T
21													21													21		0.00
22													22													22		0.00
23													23													23		0.00
24													24													24		0.00
25													25													25		0.00
26													26													26		0.00
27													27													27		0.00
28													28													28		0.00
29													29													29		0.00
30													30													30		0.00
31													31													31		0.00

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	.45	.76	1.07	1.24	1.51	2.01	2.15	2.22	2.48	2.69	2.96	3.93
Ending Date	14	14	14	14	14	14	14	14	14	14	14	14
Ending Time (Hour/Min)	1257	1257	1257	1301	1315	1320	1324	1329	1105	1108	1303	1317

Date and time are not entered for TRACE amounts.

Note : The sum of the hourly totals is given when it differs from the daily total. NWS does not edit ASOS hourly values but may edit daily and monthly totals. Hourly, daily, and monthly totals are printed as reported by the ASOS site.

REFERENCE NOTES & SUPPLEMENTAL SUMMARIES

* = Extreme for the month (last occurence if more than one)
T = Trace precipitation amount
+ = also occurs on earlier date
FG+ = Heavy fog, visibility .25 miles or less
BLANK entries denote missing or unreported data

Resultant wind is the vector sum of the wind speeds and directions divided by the number of observations.

Wind direction is recorded in tens of degrees (2 digits) clockwise from true north. '00' = calm, 'VR' = variable.

Precipitation is for the 24−hour period ending at the time indicated in the column heading.

Water Equivalent of snow on the ground is reported only when the depth is 2 or more inches.

NORMALS ARE FOR THE YEARS 1971−2000

WEATHER NOTATIONS

QUALIFIER	WEATHER PHENOMENA		
DESCRIPTOR	PRECIPITATION	OBSCURATION	OTHER
BC Patches	DZ Drizzle	BR Mist	DS Duststorm
BL Blowing	GR Hail	DU Widespread Dust	FC Funnel Cloud
DR Low Drifting	GS Small Hail and/or Snow Pellets	FG Fog	+FC Tornado Waterspout
FZ Freezing	IC Ice Crystals	FU Smoke	PO Well−Developed Dust/Sand Whirls
MI Shallow	PL Ice Pellets	HZ Haze	SQ Squalls
PR Partial	RA Rain	PY Spray	SS Sandstorm
SH Shower(s)	SG Snow Grains	SA Sand	GL Glaze
TS Thunderstorm	SN Snow	VA Volcanic Ash	
VC In the Vicinity	UP Unknown Precipitation		

Intensity (as indicated on pages 4 to 6):
'+' = Heavy ' ' = Moderate '−' = Light

HOUSTON, TX
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Ceilometer (30−second) data are used to derive cloudiness at or below 12,000 feet. This cloudiness is the mean cloud cover detected during sunrise to sunset (SR−SS), or midnight to midnight (MN−MN).

Satellite data are used to derive cloudiness above 12,000 feet. Effective Cloud Amount is based on the cloud cover and the transparency of the clouds within the satellite field of view (approx. 31x31 miles).

Sky Condition is based on the sum (not to exceed 8) of the sunrise to sunset cloud cover below and above 12,000 feet. Both ceilometer and satellite data must be present to compute Sky Condition. Clear = 0−2 oktas, Partly Cloudy = 3−6 oktas, Cloudy = 7−8 oktas.

A Heating (Cooling) Degree Day is the difference between the average daily temperature and 65 degrees F. The HDD season begins July 1, the CDD season begins January 1.

Dew Point is the temperature to which the air must be cooled to achieve 100% relative humidity.
Wet Bulb is the temperature the air would have if cooled to saturation at constant pressure by evaporation of water into it.

Snow Depth, Snowfall, and Sunshine data may come from nearby sites that the National Weather Service deems Climatologically representative of this site.

ADDITIONAL NOTES:

DATE	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
			SR−SS		MN−MN				
	TOTAL MINUTES	PERCENT POSSIBLE	CEILOMETER	SATELLITE	CEILOMETER	SATELLITE	MINIMUM	MAXIMUM	
01							10.00	10.00	
02							4.00	10.00	
03							7.00	10.00	
04							6.00	10.00	
05							10.00	10.00	
06							10.00	10.00	
07							5.00	10.00	
08							5.00	10.00	
09							10.00	10.00	
10							4.00	10.00	
11							8.00	10.00	
12							10.00	10.00	
13							6.00	10.00	
14							.50	10.00	
15							10.00	10.00	
16							10.00	10.00	
17							5.00	10.00	
18							10.00	10.00	
19							10.00	10.00	
20							10.00	10.00	
21							6.00	10.00	
22							5.00	10.00	
23							5.00	10.00	
24							10.00	10.00	
25							10.00	10.00	
26							10.00	10.00	
27							6.00	10.00	
28							.25	10.00	
29							10.00	10.00	
30							.75	10.00	
31							3.00	10.00	
MONTHLY AVGS							6.98	10.00	

SUNSHINE (MINUTES)

Total: Possible:
Percent Possible:

NUMBER OF DAYS WITH:

SKY CONDITION

CLR	PTLY CLDY	CLOUDY	MISSING
			31

MINIMUM VISIBILITY (MILES)

<=0.25	<=3.0	>=7.0
1	4	16

OBSERVATIONS AT 3–HOURLY INTERVALS

HOUSTON, TX

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HOUR (LST)	SKY COVER	CEILING 100'S OF FT	SATELLITE: OBSERVATION TIME (LST)	SATELLITE: EFF CLD AMT Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE ℉: DRY BULB	TEMPERATURE ℉: DEW POINT	TEMPERATURE ℉: WET BULB	RELATIVE HUMIDITY (PCT)	WIND: SPEED (MPH)	WIND: DIRECTION TENS OF DEG	PRESSURE (INCHES,HG): STATION	PRESSURE (INCHES,HG): SEA LEVEL
					SUNRISE: 0660	**DEC 01**			**SUNSET: 1721**					
03	SCT	NC			10.00		53	51	52	93	0	00	29.89	30.01
06	SCT	NC			10.00		54	52	53	93	0	00	29.92	30.03
09	FEW	NC			10.00		62	54	58	75	12	31	29.99	30.11
12	CLR	NC			10.00		68	49	58	51	10	35	30.00	30.12
15	CLR	NC			10.00		70	50	59	49	14	35	29.96	30.07
18	FEW	NC			10.00		63	41	52	45	9	02	29.99	30.11
21	CLR	NC			10.00		53	37	46	55	3	03	30.04	30.16
24	CLR	NC			10.00		50	33	43	52	7	04	30.02	30.14
					SUNRISE: 0701	**DEC 02**			**SUNSET: 1721**					
03	CLR	NC			10.00		43	33	39	68	6	06	30.00	30.12
06	FEW	NC			10.00		42	34	39	73	5	04	30.00	30.12
09	FEW	NC			10.00		51	36	44	56	9	07	30.02	30.14
12	BKN	060			10.00		61	47	54	60	10	15	29.97	30.09
15	OVC	022			10.00		66	56	60	70	17	15	29.87	29.99
18	OVC	009			8.00		63	59	61	87	15	14	29.83	29.95
21	OVC	008			6.00	BR	65	62	63	90	12	15	29.81	29.92
24	FEW	NC			6.00	BR	67	64	65	91	8	18	29.78	29.90
					SUNRISE: 0701	**DEC 03**			**SUNSET: 1721**					
03	BKN	023			10.00		68	65	66	90	7	18	29.76	29.87
06	OVC	012			10.00		70	66	67	87	5	20	29.76	29.88
09	OVC	012			9.00		71	67	68	87	12	22	29.79	29.91
12	SCT	NC			10.00		80	66	71	62	13	22	29.77	29.89
15	SCT	NC			10.00		83	63	70	51	15	20	29.70	29.82
18	SCT	NC			10.00		76	65	69	69	12	20	29.71	29.83
21	OVC	034			10.00		74	68	70	82	12	19	29.75	29.87
24	OVC	019			10.00		74	68	70	82	9	18	29.76	29.87
					SUNRISE: 0702	**DEC 04**			**SUNSET: 1721**					
03	OVC	018			10.00		73	68	70	84	7	19	29.75	29.86
06	SCT	NC			9.00		71	68	69	90	0	00	29.77	29.88
09	BKN	075			7.00		73	68	70	84	5	18	29.80	29.92
12	OVC	014			10.00		67	51	58	57	10	31	29.82	29.94
15	BKN	030			10.00		64	45	54	50	13	34	29.79	29.91
18	OVC	020			8.00		53	46	50	77	12	35	29.86	29.98
21	OVC	028			10.00		52	44	48	75	3	32	29.91	30.03
24	BKN	080			10.00		50	39	45	66	12	33	29.93	30.04
					SUNRISE: 0703	**DEC 05**			**SUNSET: 1722**					
03	BKN	250			10.00		46	36	42	68	13	34	29.96	30.08
06	SCT	NC			10.00		44	35	40	71	10	34	30.01	30.13
09	SCT	NC			10.00		45	31	39	58	18	36	30.08	30.20
12	SCT	NC			10.00		53	30	43	41	20	36	30.10	30.22
15	FEW	NC			10.00		57	25	44	29	14	34	30.08	30.20
18	SCT	NC			10.00		50	26	40	39	5	34	30.11	30.23
21	FEW	NC			10.00		45	29	38	54	6	33	30.16	30.27
24	FEW	NC			10.00		40	26	35	58	0	00	30.16	30.28
					SUNRISE: 0704	**DEC 06**			**SUNSET: 1722**					
03	SCT	NC			10.00		36	25	32	64	0	00	30.14	30.26
06	FEW	NC			10.00		33	26	31	75	3	01	30.16	30.29
09	SCT	NC			10.00		41	32	37	70	10	10	30.18	30.30
12	SCT	NC			10.00		54	26	42	34	12	15	30.15	30.27
15	BKN	250			10.00		57	31	45	37	14	12	30.07	30.19
18	BKN	250			10.00		51	33	43	50	9	13	30.08	30.20
21	OVC	090			10.00		48	37	43	66	8	12	30.07	30.19
24	BKN	095			10.00		47	36	42	66	13	08	30.06	30.18
					SUNRISE: 0704	**DEC 07**			**SUNSET: 1722**					
03	OVC	065			10.00		50	34	43	54	9	08	30.04	30.16
06	OVC	060			10.00	-RA	49	31	41	50	13	06	30.05	30.17
09	OVC	070			10.00		48	38	43	68	12	05	30.07	30.19
12	OVC	048			10.00		51	39	45	64	13	06	30.04	30.16
15	OVC	030			10.00	-RA	51	42	47	71	10	36	30.01	30.13
18	OVC	009			9.00	-RA	48	45	47	89	10	34	30.07	30.19
21	OVC	011			10.00		46	42	44	86	12	35	30.12	30.24
24	OVC	006			5.00	-DZ BR	37	34	36	89	13	33	30.17	30.29
					SUNRISE: 0705	**DEC 08**			**SUNSET: 1722**					
03	OVC	009			10.00	-DZ	35	31	33	85	18	34	30.18	30.30
06	OVC	009			10.00	-DZ	34	31	33	89	12	33	30.22	30.34
09	OVC	010			5.00	HZ	32	27	30	82	16	33	30.32	30.44
12	OVC	014			6.00	HZ	34	26	31	73	17	33	30.30	30.42
15	BKN	019			10.00		36	26	32	67	15	35	30.30	30.42
18	BKN	250			10.00		33	25	30	72	12	35	30.33	30.45
21	OVC	250			10.00		32	26	30	79	10	34	30.34	30.46
24	OVC	050			10.00		33	24	30	70	12	34	30.36	30.49
					SUNRISE: 0706	**DEC 09**			**SUNSET: 1722**					
03	OVC	050			10.00		33	23	30	67	10	01	30.35	30.47
06	OVC	050			10.00		34	23	30	64	8	01	30.36	30.48
09	OVC	048			10.00		37	21	31	52	12	01	30.36	30.48
12	OVC	048			10.00		41	20	33	43	8	34	30.34	30.46
15	OVC	055			10.00		46	20	36	35	10	04	30.22	30.35
18	OVC	050			10.00		44	22	36	41	7	04	30.21	30.33
21	OVC	042			10.00		44	26	37	49	6	12	30.18	30.30
24	OVC	040			10.00		45	28	38	52	0	00	30.15	30.27
					SUNRISE: 0707	**DEC 10**			**SUNSET: 1722**					
03	OVC	034			10.00		47	28	39	48	0	00	30.11	30.23
06	OVC	036			10.00		47	31	40	54	5	30	30.10	30.22
09	OVC	022			10.00		49	34	42	57	0	00	30.11	30.24
12	OVC	019			8.00		51	43	47	74	5	23	30.08	30.20
15	OVC	024			7.00		54	46	50	75	0	00	30.00	30.12
18	SCT	NC			10.00		51	45	48	80	0	00	30.02	30.14
21	SCT	NC			6.00	BR	44	43	44	96	0	00	30.04	30.16
24	FEW	NC			6.00	BR	41	39	40	93	7	34	30.07	30.19
					SUNRISE: 0707	**DEC 11**			**SUNSET: 1723**					
03	FEW	NC			10.00		43	34	39	71	5	30	30.08	30.20
06	CLR	NC			10.00		38	31	35	76	5	31	30.10	30.22
09	FEW	NC			10.00		45	33	40	63	6	34	30.16	30.28
12	SCT	NC			10.00		62	29	47	29	12	03	30.11	30.23
15	BKN	250			10.00		64	27	48	25	7	31	30.03	30.15
18	SCT	NC			10.00		53	31	43	43	3	27	30.04	30.16
21	BKN	250			10.00		45	35	41	68	0	00	30.06	30.18
24	BKN	130			10.00		44	37	41	76	0	00	30.02	30.14
					SUNRISE: 0708	**DEC 12**			**SUNSET: 1723**					
03	BKN	130			10.00		43	35	40	74	0	00	30.00	30.12
06	BKN	130			10.00		44	38	41	79	0	00	30.00	30.12
09	OVC	130			10.00		50	42	46	74	0	00	30.05	30.17
12	BKN	130			10.00		66	32	50	28	3	VR	30.04	30.16
15	OVC	250			10.00		68	27	49	21	3	26	29.98	30.10
18	BKN	250			10.00		57	37	48	47	0	00	29.99	30.11
21	SCT	NC			10.00		55	34	45	45	5	18	30.04	30.16
24	FEW	NC			10.00		45	39	42	80	3	32	30.04	30.16

OBSERVATIONS AT 3–HOURLY INTERVALS

HOUSTON, TX

DECEMBER 2005 IAH WBAN # 12960

HOUR (LST)	SKY COVER	CEILING 100'S OF FT	SATELLITE: OBSERVATION TIME (LST)	SATELLITE: EFF CLD AMT Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE ℉: DRY BULB	TEMPERATURE ℉: DEW POINT	TEMPERATURE ℉: WET BULB	RELATIVE HUMIDITY (PCT)	WIND: SPEED (MPH)	WIND: DIRECTION TENS OF DEG	PRESSURE (INCHES,HG): STATION	PRESSURE (INCHES,HG): SEA LEVEL
					SUNRISE: 0709	**DEC 13**			**SUNSET: 1723**					
03	FEW	NC			10.00		44	40	42	85	0	00	30.02	30.14
06	SCT	NC			10.00		42	39	41	89	0	00	30.01	30.13
09	BKN	250			7.00		52	45	49	77	0	00	30.04	30.16
12	OVC	060			10.00		67	50	58	55	8	13	29.98	30.10
15	BKN	050			10.00		67	50	58	55	17	13	29.88	30.00
18	OVC	039			10.00		63	52	57	68	12	14	29.84	29.96
21	BKN	250			10.00		62	53	57	73	10	14	29.82	29.94
24	OVC	041			10.00		60	54	57	80	3	03	29.85	29.97
					SUNRISE: 0709	**DEC 14**			**SUNSET: 1723**					
03	OVC	036			10.00		62	55	58	78	3	13	29.81	29.93
06	OVC	085			10.00		66	59	62	78	17	16	29.75	29.87
09	OVC	018			2.00	-TSRA BR	66	63	64	90	8	19	29.74	29.86
12	OVC	009			2.00	TSRA BR	67	65	66	93	3	27	29.65	29.77
15	OVC	009			1.00	TSRA BR	63	61	62	93	18	34	29.61	29.73
18	OVC	075			10.00		60	51	55	72	15	32	29.71	29.83
21	OVC	100			10.00		52	48	50	86	18	31	29.81	29.92
24	FEW	NC			10.00		47	38	43	71	15	34	29.86	29.98
					SUNRISE: 0710	**DEC 15**			**SUNSET: 1724**					
03	FEW	NC			10.00		45	36	41	71	16	34	29.89	30.01
06	CLR	NC			10.00		42	34	39	73	10	34	29.94	30.06
09	FEW	NC			10.00		46	32	40	58	13	35	30.03	30.15
12	FEW	NC			10.00		57	25	44	29	16	35	30.03	30.15
15	SCT	NC			10.00		59	23	44	25	13	36	29.98	30.10
18	BKN	250			10.00		53	28	42	38	3	29	30.01	30.13
21	SCT	NC			10.00		44	34	40	68	5	33	30.01	30.13
24	SCT	NC			10.00		44	29	38	55	5	36	30.03	30.15
					SUNRISE: 0710	**DEC 16**			**SUNSET: 1724**					
03	SCT	NC			10.00		40	27	35	60	3	36	30.03	30.15
06	BKN	250			10.00		41	28	36	60	3	01	30.02	30.14
09	OVC	100			10.00		46	25	38	44	8	08	30.09	30.21
12	OVC	100			10.00		48	25	39	41	12	09	30.08	30.20
15	OVC	090			10.00		49	25	39	39	14	06	30.03	30.16
18	OVC	080			10.00		47	26	39	44	14	08	30.05	30.17
21	OVC	070			10.00		45	30	39	56	10	04	30.07	30.19
24	OVC	060			10.00		42	34	39	73	9	05	30.06	30.18
					SUNRISE: 0711	**DEC 17**			**SUNSET: 1725**					
03	OVC	048			10.00	-RA	39	35	37	86	10	04	30.10	30.22
06	OVC	046			10.00	-RA	39	36	38	89	13	03	30.08	30.20
09	OVC	008			8.00	-RA	40	39	40	97	10	07	30.14	30.26
12	OVC	008			10.00		44	43	44	96	14	08	30.10	30.22
15	OVC	013			10.00		47	42	45	83	12	06	30.10	30.22
18	OVC	012			10.00		46	41	44	83	9	03	30.14	30.26
21	FEW	NC			10.00		45	41	43	86	5	36	30.20	30.32
24	SCT	NC			10.00		42	39	41	89	7	02	30.21	30.33
					SUNRISE: 0712	**DEC 18**			**SUNSET: 1725**					
03	SCT	NC			10.00		39	36	38	89	0	00	30.24	30.36
06	FEW	NC			10.00		38	35	37	89	5	33	30.30	30.42
09	BKN	250			10.00		42	36	39	79	8	36	30.37	30.50
12	OVC	250			10.00		54	33	45	45	8	35	30.34	30.46
15	OVC	250			10.00		55	29	44	37	8	01	30.30	30.42
18	BKN	250			10.00		51	34	43	52	6	01	30.33	30.45
21	BKN	250			10.00		46	35	41	66	6	01	30.34	30.46
24	SCT	NC			10.00		42	33	38	71	6	36	30.34	30.46
					SUNRISE: 0712	**DEC 19**			**SUNSET: 1725**					
03	BKN	250			10.00		39	32	36	76	0	00	30.33	30.45
06	BKN	250			10.00		37	31	35	79	5	35	30.39	30.51
09	BKN	250			10.00		42	32	38	68	9	04	30.42	30.54
12	BKN	250			10.00		53	28	42	38	8	06	30.37	30.49
15	BKN	250			10.00		56	33	46	42	7	VR	30.28	30.40
18	SCT	NC			10.00		50	32	42	50	7	06	30.27	30.39
21	FEW	NC			10.00		45	33	40	63	5	VR	30.31	30.43
24	FEW	NC			10.00		40	33	37	77	8	08	30.26	30.38
					SUNRISE: 0713	**DEC 20**			**SUNSET: 1726**					
03	BKN	080			10.00		42	34	39	73	12	10	30.24	30.37
06	BKN	090			10.00		42	32	38	68	6	03	30.25	30.37
09	OVC	085			10.00		42	32	38	68	8	06	30.28	30.40
12	OVC	090			10.00		45	33	40	63	8	05	30.27	30.39
15	BKN	080			10.00	-RA	47	37	43	69	9	10	30.18	30.30
18	OVC	060			10.00		48	38	43	68	8	05	30.22	30.34
21	OVC	050			10.00		47	36	42	66	7	VR	30.26	30.38
24	OVC	048			10.00		46	36	42	68	6	01	30.26	30.38
					SUNRISE: 0713	**DEC 21**			**SUNSET: 1726**					
03	OVC	035			10.00		44	37	41	76	6	01	30.24	30.36
06	SCT	NC			10.00		40	35	38	83	5	34	30.24	30.36
09	OVC	042			10.00		42	38	40	85	7	01	30.31	30.43
12	SCT	NC			10.00		52	38	45	59	3	VR	30.28	30.40
15	SCT	NC			10.00		56	35	46	46	5	VR	30.22	30.34
18	SCT	NC			10.00		45	38	42	77	0	00	30.22	30.34
21	FEW	NC			10.00		44	38	41	79	6	34	30.26	30.38
24	CLR	NC			7.00		39	36	38	89	0	00	30.25	30.37
					SUNRISE: 0714	**DEC 22**			**SUNSET: 1727**					
03	FEW	NC			8.00		36	35	36	97	0	00	30.23	30.35
06	SCT	NC			7.00	MIFG	35	33	34	93	5	01	30.23	30.35
09	FEW	NC			10.00		42	39	41	89	7	11	30.25	30.37
12	FEW	NC			10.00		54	37	46	53	6	VR	30.21	30.33
15	SCT	NC			10.00		59	34	47	39	5	16	30.13	30.24
18	SCT	NC			10.00		51	42	47	71	13	13	30.12	30.24
21	FEW	NC			7.00		45	41	43	86	5	14	30.12	30.24
24	CLR	NC			5.00	BR	43	41	42	93	5	16	30.08	30.20
					SUNRISE: 0714	**DEC 23**			**SUNSET: 1727**					
03	CLR	NC			5.00	BR	40	39	40	97	0	00	30.03	30.15
06	FEW	NC			6.00	BR	39	38	39	96	0	00	30.00	30.12
09	FEW	NC			8.00		51	49	50	92	6	14	29.99	30.11
12	SCT	NC			10.00		68	54	60	61	10	17	29.93	30.05
15	BKN	045			10.00		72	53	61	52	10	17	29.82	29.94
18	FEW	NC			10.00		63	55	58	76	10	15	29.79	29.91
21	BKN	035			10.00		60	56	58	86	8	16	29.78	29.90
24	SCT	NC			10.00		64	60	62	87	10	17	29.74	29.86
					SUNRISE: 0715	**DEC 24**			**SUNSET: 1728**					
03	OVC	010			10.00		65	62	63	90	12	21	29.72	29.84
06	BKN	014			10.00		66	61	63	84	13	24	29.72	29.83
09	FEW	NC			10.00		61	50	55	67	9	30	29.77	29.89
12	FEW	NC			10.00		68	43	55	41	18	32	29.79	29.91
15	FEW	NC			10.00		70	34	52	27	18	29	29.73	29.85
18	SCT	NC			10.00		66	29	49	25	13	29	29.77	29.89
21	CLR	NC			10.00		58	33	47	39	7	28	29.83	29.95
24	CLR	NC			10.00		55	32	45	42	8	28	29.85	29.97

OBSERVATIONS AT 3–HOURLY INTERVALS

HOUSTON, TX

DECEMBER 2005 IAH WBAN # 12960

HOUR (LST)	SKY COVER	CEILING 100'S OF FT	SATELLITE: OBSERVATION TIME (LST)	SATELLITE: EFF CLD AMT Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE ℉: DRY BULB	TEMPERATURE ℉: DEW POINT	TEMPERATURE ℉: WET BULB	RELATIVE HUMIDITY (PCT)	WIND: SPEED (MPH)	WIND: DIRECTION TENS OF DEG	PRESSURE (INCHES,HG): STATION	PRESSURE (INCHES,HG): SEA LEVEL
					SUNRISE: 0715	DEC 25			SUNSET: 1729					
03	CLR	NC			10.00		49	32	42	52	7	27	29.87	29.99
06	CLR	NC			10.00		46	32	40	58	6	28	29.89	30.01
09	FEW	NC			10.00		51	34	43	52	10	28	29.96	30.08
12	FEW	NC			10.00		63	33	49	33	13	30	29.94	30.06
15	FEW	NC			10.00		68	32	51	26	12	30	29.88	30.00
18	FEW	NC			10.00		58	36	48	44	5	26	29.90	30.02
21	CLR	NC			10.00		44	37	41	76	0	00	29.92	30.04
24	CLR	NC			10.00		45	37	41	74	0	00	29.94	30.06
					SUNRISE: 0715	DEC 26			SUNSET: 1729					
03	CLR	NC			10.00		42	37	40	82	0	00	29.94	30.06
06	CLR	NC			10.00		40	36	38	86	0	00	29.94	30.06
09	FEW	NC			10.00		53	43	48	69	0	00	30.00	30.12
12	FEW	NC			10.00		72	49	59	44	8	20	29.97	30.09
15	FEW	NC			10.00		77	44	59	31	13	19	29.88	30.00
18	FEW	NC			10.00		69	50	58	51	10	17	29.86	29.98
21	CLR	NC			10.00		64	57	60	78	8	18	29.89	30.01
24	FEW	NC			10.00		63	59	61	87	8	18	29.88	30.00
					SUNRISE: 0716	DEC 27			SUNSET: 1730					
03	FEW	NC			10.00		63	59	61	87	7	17	29.85	29.97
06	BKN	028			10.00		60	58	59	93	7	17	29.84	29.96
09	BKN	028			10.00		66	61	63	84	9	20	29.86	29.98
12	BKN	026			10.00		73	61	66	66	12	21	29.81	29.93
15	BKN	037			10.00		76	60	66	58	16	22	29.71	29.83
18	BKN	140			10.00		72	61	65	69	9	21	29.69	29.80
21	FEW	NC			10.00		67	63	64	87	8	22	29.71	29.83
24	SCT	NC			6.00	BR	64	62	63	93	8	23	29.73	29.85
					SUNRISE: 0716	DEC 28			SUNSET: 1730					
03	OVC	002			0.75	BR	60	59	59	96	5	25	29.73	29.85
06	OVC	001			0.25	FG	54	53	53	97	3	22	29.76	29.87
09	FEW	NC			10.00		57	47	52	69	6	28	29.84	29.96
12	BKN	250			10.00		67	37	52	33	8	35	29.80	29.92
15	BKN	250			10.00		72	39	55	30	5	30	29.73	29.85
18	BKN	250			10.00		65	40	52	40	3	32	29.75	29.87
21	BKN	250			10.00		55	40	48	57	5	29	29.78	29.90
24	FEW	NC			10.00		51	40	46	66	5	VR	29.78	29.90
					SUNRISE: 0716	DEC 29			SUNSET: 1731					
03	FEW	NC			10.00		45	39	42	80	0	00	29.77	29.89
06	FEW	NC			10.00		45	40	43	83	3	22	29.77	29.89
09	CLR	NC			10.00		53	42	48	66	0	00	29.80	29.92
12	FEW	NC			10.00		68	38	53	33	6	12	29.78	29.90
15	BKN	250			10.00		71	37	54	29	12	15	29.70	29.82
18	BKN	250			10.00		61	37	49	41	12	14	29.70	29.82
21	CLR	NC			10.00		54	46	50	75	5	14	29.70	29.82
24	SCT	NC			10.00		53	50	51	89	3	13	29.69	29.81
					SUNRISE: 0717	DEC 30			SUNSET: 1732					
03	BKN	250			8.00		58	56	57	93	0	00	29.66	29.78
06	BKN	250			6.00	BR	59	57	58	93	0	00	29.68	29.80
09	BKN	250			3.00	BR	63	61	62	93	3	26	29.72	29.83
12	OVC	022			10.00		73	62	66	69	14	22	29.71	29.83
15	OVC	250			10.00		74	60	65	62	9	26	29.67	29.79
18	BKN	250			8.00		67	57	61	71	3	28	29.71	29.83
21	CLR	NC			10.00		63	49	55	60	6	31	29.76	29.88
24	FEW	NC			10.00		54	43	49	67	3	32	29.77	29.88

HOUR (LST)	SKY COVER	CEILING 100'S OF FT	SATELLITE: OBSERVATION TIME (LST)	SATELLITE: EFF CLD AMT Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE ℉: DRY BULB	TEMPERATURE ℉: DEW POINT	TEMPERATURE ℉: WET BULB	RELATIVE HUMIDITY (PCT)	WIND: SPEED (MPH)	WIND: DIRECTION TENS OF DEG	PRESSURE (INCHES,HG): STATION	PRESSURE (INCHES,HG): SEA LEVEL
					SUNRISE: 0717	DEC 31			SUNSET: 1732					
03	CLR	NC			10.00		51	41	46	69	3	32	29.77	29.89
06	CLR	NC			10.00		46	40	43	79	3	36	29.79	29.91
09	FEW	NC			10.00		54	44	49	69	5	04	29.82	29.94
12	FEW	NC			8.00		69	55	61	61	8	17	29.79	29.91
15	FEW	NC			9.00		75	58	65	55	8	20	29.72	29.83
18	FEW	NC			10.00		67	58	62	73	3	18	29.70	29.82
21	CLR	NC			3.00	BR	63	61	62	93	8	17	29.71	29.83
24	OVC	004			3.00	BR	65	63	64	93	9	18	29.70	29.82

3–HOURLY OBSERVATION NOTES

Sky Cover is the amount of the sky obscured. CLR or SKC = 0, FEW = 1/8–2/8, SCT = 3/8–4/8, BKN = 5/8–7/8, OVC = 8/8, VV = Vertical Visibilty = 8/8.
Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet. NC= No ceiling detected.
& = Original observation contained additional weather elements.
See page 3 for additional notes.

SUMMARY BY HOUR

HOUR (LST)	AVERAGES: CEILOMETER	AVERAGES: EFF CLD AMT	AVERAGES: DRY BULB	AVERAGES: DEW POINT	AVERAGES: WET BULB	AVERAGES: RELATIVE HUMIDITY	AVERAGES: PRESSURE (INCHES,HG): STATION	AVERAGES: PRESSURE (INCHES,HG): SEA LEVEL	AVERAGES: VISIBILITY (MILES)	AVERAGES: WIND SPEED (MPH)	RESULTANT WIND (MPH): SPEED	RESULTANT WIND (MPH): DIRECTION
01			49	41	45	76	30.00	30.11	9.39	5	2	1
02			48	41	45	77	29.99	30.11	9.58	5	2	36
03			48	40	44	78	29.99	30.11	9.41	5	1	36
04			47	40	44	78	29.99	30.11	9.30	5	2	34
05			47	40	44	79	29.99	30.11	9.27	5	1	36
06			46	40	44	80	30.00	30.12	9.30	5	2	35
07			46	40	43	81	30.01	30.13	9.32	5	2	34
08			47	40	44	78	30.03	30.15	8.83	6	2	1
09			51	42	47	72	30.04	30.16	9.00	8	3	1
10			55	42	49	63	30.05	30.17	9.40	9	2	4
11			57	42	50	58	30.05	30.17	9.44	9	3	1
12			60	41	51	53	30.02	30.14	9.48	10	2	36
13			61	40	51	49	29.99	30.10	9.47	11	4	33
14			62	40	51	48	29.96	30.08	9.55	10	2	34
15			62	40	51	48	29.95	30.07	9.58	11	1	35
16			61	40	51	50	29.96	30.08	9.87	10	2	36
17			60	41	51	54	29.96	30.08	9.81	10	2	5
18			56	41	49	60	29.97	30.09	9.77	8	1	7
19			55	41	49	63	29.98	30.10	9.71	8	1	8
20			54	42	48	66	29.99	30.11	9.29	8	1	4
21			52	42	47	72	29.99	30.11	9.42	6	0	0
22			51	42	47	73	30.00	30.12	9.23	7	1	3
23			50	42	47	74	30.00	30.12	8.94	5	1	36
24			49	41	46	75	29.99	30.11	8.97	6	1	36

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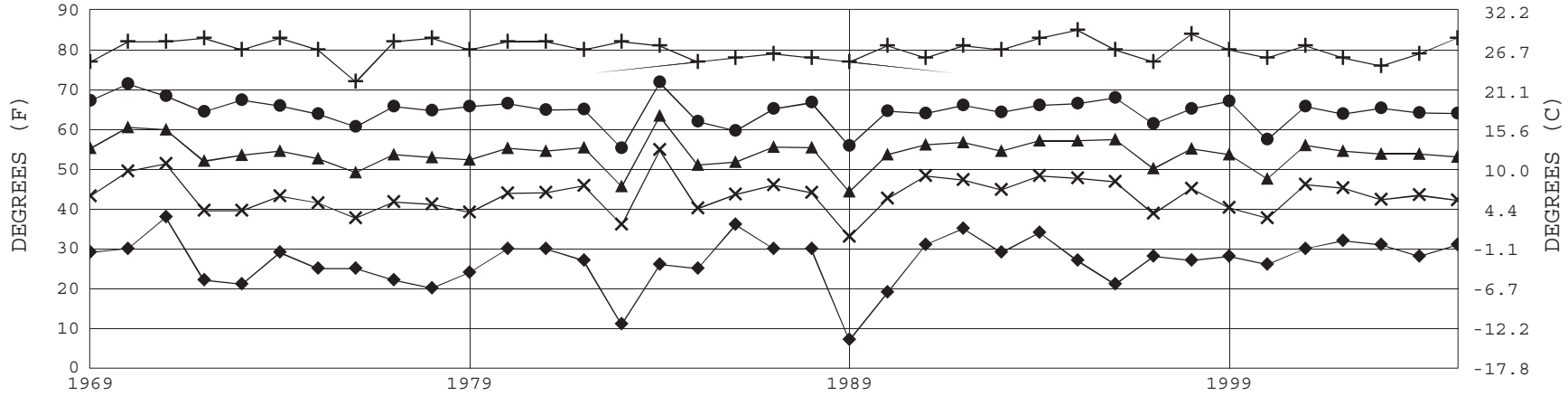
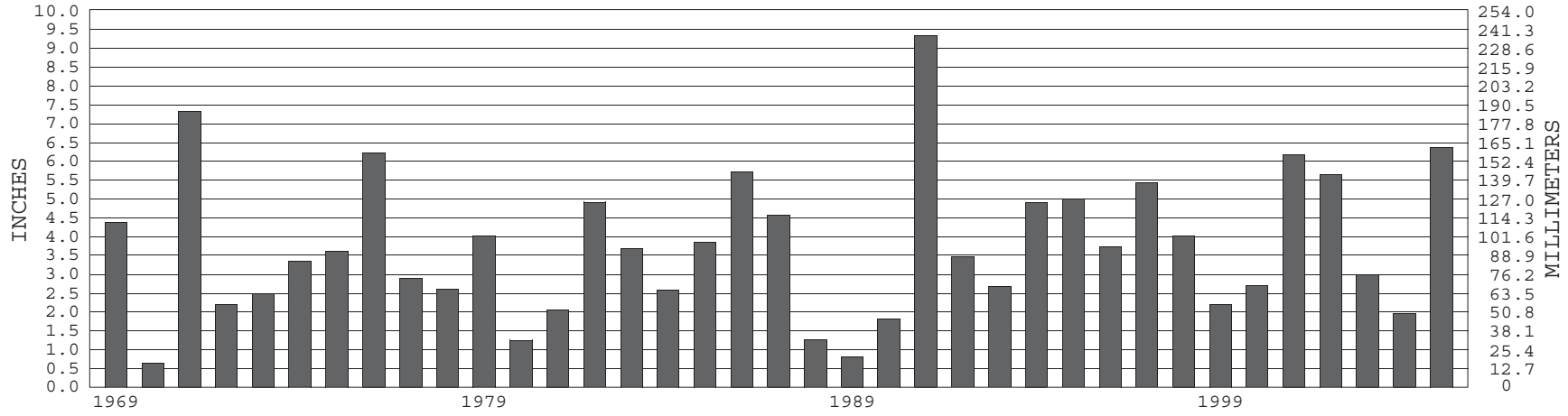
HOUSTON, TX DECEMBER TEMPERATURES



+ Extreme Max. ● Mean Max. ▲ Mean × Mean Min. ◆ Extreme Min.

Long-Term (1969-2005) Mean: 54.0 1971-2000 Normal: 53.7

HOUSTON, TX DECEMBER PRECIPITATION



Long-Term (1969-2005) Mean Monthly Total: 3.75 1971-2000 Normal: 3.69

DECEMBER 2005

HOUSTON, TX

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

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