



NOVEMBER 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

NOVEMBER 2005
HOUSTON, TX

DATE	TEMPERATURE °F						DEG DAYS BASE 65°		WEATHER	SNOW/ICE ON GND(IN)		PRECIPITATION (INCHES)		PRESSURE (INCHES OF HG)		WIND SPEED = MPH DIR = TENS OF DEGREES						DATE																																					
	MAXIMUM	MINIMUM	AVERAGE	DEP FROM NORMAL	AVERAGE DEW PT	AVERAGE WET BULB	HEATING	COOLING		0600 LST	1200 LST	2400 LST	2400 LST	AVERAGE STATION	AVERAGE SEA LEVEL	RESULTANT SPEED	RES DIR	AVERAGE SPEED	MAXIMUM																																								
																			5-SEC		2-MIN																																						
1	2	3	4	5	6	7	8	9	11	12	13	14	15	16	17	18	19	20	21	22	23	24																																					
01	73	48	61	-4	39	50	4	0			0.0	0.00	30.12	30.23	8.1	33	9.9	26	34	22	34	01																																					
02	77	44	61	-4	39	50	4	0			0.0	0.00	30.16	30.28	2.1	13	3.6	17	11	10	09	02																																					
03	80	46	63	-2	52	57	2	0			0.0	0.00	30.06	30.17	5.2	16	5.7	17	16	15	16	03																																					
04	83	56	70	6	58	63	0	5			0.0	0.00	29.87	29.98	5.3	19	5.8	20	23	15	17	04																																					
05	87	63	75	11	65	69	0	10			0.0	0.00	29.79	29.90	6.9	19	7.5	23	26	16	19	05																																					
06	87	69	78	14	70	72	0	13	BR		0.0	0.00	29.92	30.04	4.2	18	6.1	17	13	15	13	06																																					
07	85	71	78	15	71	72	0	13	FG+ BR HZ		0.0	0.00	30.02	30.14	8.8	14	8.9	21	14	18	13	07																																					
08	84	71	78*	15	70	72	0	13	RA BR		0.0	0.55	30.00	30.12	6.9	16	7.6	20	16	17	15	08																																					
09	86	67	77	14	68	71	0	12	BR		0.0	0.00	30.00	30.11	3.4	17	5.2	15	13	13	14	09																																					
10	82	67	75	12	66	69	0	10	BR		0.0	0.00	30.03	30.15	3.7	35	5.8	16	08	15	05	10																																					
11	80	65	73	11	60	64	0	8	BR		0.0	0.00	29.98	30.09	8.2	12	9.0	17	13	15	13	11																																					
12	84	67	76	14	68	70	0	11	RA BR		0.0	0.01	29.86	29.97	8.3	17	8.5	24	16	20	15	12																																					
13	86	67	77	16	68	71	0	12	BR		0.0	0.00	29.96	30.07	4.7	17	5.7	16	15	15	15	13																																					
14	85	64	75	14	68	70	0	10	BR		0.0	0.00	29.89	30.00	7.1	16	7.3	21	14	17	13	14																																					
15	87*	56	72	11	59	64	0	7	TSRA RA BR		0.0	0.98	29.87	29.98	4.3	30	12.3	35	01	28	01	15																																					
16	58	40	49	-12	24	40	16	0			0.0	0.00	30.34	30.46	13.2	35	13.5	35	01	28	01	16																																					
17	60	36	48*	-12	26	39	17	0			0.0	0.00	30.35	30.47	6.0	05	7.1	23	04	18	05	17																																					
18	58	43	51	-9	25	39	14	0	RA		0.0	T	30.26	30.37	6.1	05	7.1	16	07	15	05	18																																					
19	62	44	53	-7	39	47	12	0	RA		0.0	0.02	30.07	30.19	1.5	04	2.8	9	01	8	34	19																																					
20	68	45	57	-3	42	50	8	0	RA BR HZ		0.0	T	30.05	30.17	4.5	33	5.3	23	02	20	01	20																																					
21	65	41	53	-6	35	44	12	0			0.0	0.00	30.04	30.16	6.4	31	6.6	30	04	20	32	21																																					
22	74	39	57	-2	37	46	8	0			0.0	0.00	30.00	30.12	2.4	33	3.3	17	36	14	36	22																																					
23	82	44	63	4	39	51	2	0			0.0	0.00	29.85	29.97	5.6	23	5.8	23	26	17	25	23																																					
24	77	54	66	7	53	58	0	1			0.0	0.00	29.79	29.91	4.3	23	4.7	17	22	13	23	24																																					
25	70	56	63	5	60	61	2	0	FG+ BR HZ		0.0	0.00	29.88	29.99	6.5	10	7.3	17	13	14	12	25																																					
26	65	58	62	4	61	62	3	0	TSRA RA BR		0.0	1.10	29.74	29.85	3.0	11	6.1	20	26	15	26	26																																					
27	82	59	71	13	63	66	0	6	RA FG+ BR		0.0	0.06	29.49	29.60	9.6	19	11.9	37*	30	28*	17	27																																					
28	66	49	58	1	33	47	7	0			0.0	0.00	29.72	29.83	7.5	29	7.8	22	31	18	31	28																																					
29	62	41	52	-5	30	42	13	0			0.0	0.00	30.03	30.15	4.2	33	4.6	17	35	14	36	29																																					
30	66	36*	51	-6	41	47	14	0			0.0	0.00	29.98	30.09	6.6	13	7.0	24	13	18	12	30																																					
										75.4		53.5	64.5	■ ■	51.0	57.4	4.6	4.4	< MONTHLY AVERAGES		TOTALS-->		0.0	2.72	29.97	30.09	1.2	17	7.0	<- MONTHLY AVERAGES																													
										3.4		3.7	3.6	■ ■	<-----DEPARTURE FROM NORMAL----->										-1.47		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3																																
DEGREE DAYS										GREATEST 24-HR PRECIPITATION: 1.10 DATE :26										SEA LEVEL PRESSURE DATE TIME																																							
MONTHLY TOTAL DEPARTURE										SEASON TO DATE TOTAL DEPARTURE										GREATEST 24-HR SNOWFALL: 0.0 DATE :										MAXIMUM MINIMUM : 30.55 17 0853																													
HEATING: 138 -51										174 -53										GREATEST SNOW DEPTH: 0 DATE :										MINIMUM TEMP ≤ 32 : 0										PRECIPITATION ≥ 0.01 INCH : 6																			
COOLING: 131 66										3278 410										NUMBER OF DAYS WITH →										MAXIMUM TEMP ≥ 90: 0										MINIMUM TEMP ≤ 0 : 0										PRECIPITATION ≥ 0.10 INCH : 3									
																														THUNDERSTORMS : 2										HEAVY FOG : 3										SNOWFALL ≥ 1.0 INCH : 0									

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

HOUSTON, TX

NOVEMBER 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													04												04		0.00		
05													05												05		0.00		
06													06												06		0.00		
07													07												07		0.00		
08													08												08		0.55		
09													09												09		0.00		
10													10												10		0.00		
11													11												11		0.00		
12													12												12		0.01		
13													13												13		0.00		
14													14												14		0.00		
15													15												15		0.98		
16													16												16		0.00		
17													17												17		0.00		
18													18												18		T		
19													19												19		0.02		
20													20												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		1.10		
27													27												27		0.06		
28													28												28		0.00		
29													29												29		0.00		
30													30												30		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)	.25	.38	.48	.53	.75	.97	.98	.98	.98	.98	.98	.98
Ending Date	15	15	15	15	15	15	15	15	15	15	15	15
Ending Time (Hour/Min)	1534	1537	1542	1543	1538	1543	1543	1543	1543	1543	1543	1543

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 occurrence 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		
	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 NOVEMBER 2005

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
	TOTAL MINUTES	PERCENT POSSIBLE	SR–SS		MN–MN		MINIMUM	MAXIMUM	
			CEILOMETER	SATELLITE	CEILOMETER	SATELLITE			
01							10.00	10.00	
02							10.00	10.00	
03							8.00	10.00	
04							9.00	10.00	
05							8.00	10.00	
06							3.00	10.00	
07							.00	10.00	
08							2.50	10.00	
09							.50	10.00	
10							.50	10.00	
11							6.00	10.00	
12							5.00	10.00	
13							6.00	10.00	
14							1.50	10.00	
15							4.00	10.00	
16							10.00	10.00	
17							10.00	10.00	
18							10.00	10.00	
19							8.00	10.00	
20							5.00	10.00	
21							10.00	10.00	
22							10.00	10.00	
23							10.00	10.00	
24							9.00	10.00	
25							.13	10.00	
26							.25	10.00	
27							.13	10.00	
28							10.00	10.00	
29							10.00	10.00	
30							9.00	10.00	
MONTHLY AVGS							6.18	10.00	
SUNSHINE (MINUTES)									
Total: Possible: Percent Possible:									
NUMBER OF DAYS WITH:									
SKY CONDITION									
CLR PTLY CLDY CLOUDY MISSING 30									
MINIMUM VISIBILITY (MILES)									
<=0.25 <=3.0 >=7.0 4 9 16									

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX NOVEMBER 2005

IAH

WBAN # 12960

HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		
	SKY COVER	CEILING 100'S OF FT		DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL		SKY COVER	CEILING 100'S OF FT		DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL	
	OBSERVATION TIME (LST)	EFF CLD AMT Oktas		VISIBILITY (MILES)	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL	OBSERVATION TIME (LST)	EFF CLD AMT Oktas		VISIBILITY (MILES)	RELATIVE HUMIDITY (PCT)		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL					
SUNRISE: 0636				NOV 01				SUNSET: 1734				SUNRISE: 0640				NOV 07				SUNSET: 1730				
03	CLR	NC	10.00	54	44	49	69	13	34	30.06	30.18	03	OVC	003	0.50	BR	72	70	71	94	5	12	29.99	30.11
06	CLR	NC	10.00	51	43	47	74	9	30	30.10	30.22	06	VV	001	0.00	FG	72	71	71	97	3	12	30.01	30.13
09	CLR	NC	10.00	58	41	50	54	13	33	30.16	30.28	09	BKN	006	3.00	BR	74	72	73	94	8	13	30.06	30.18
12	CLR	NC	10.00	68	33	51	27	21	36	30.14	30.26	12	BKN	025	10.00		82	69	73	65	9	17	30.05	30.17
15	CLR	NC	10.00	72	31	52	22	14	33	30.08	30.20	15	SCT	NC	10.00		82	68	73	63	14	13	29.99	30.11
18	CLR	NC	10.00	64	34	50	33	3	33	30.11	30.22	18	BKN	100	10.00		75	71	72	88	13	13	30.01	30.13
21	CLR	NC	10.00	52	40	46	64	0	00	30.15	30.27	21	OVC	010	8.00		74	71	72	91	8	14	30.04	30.15
24	CLR	NC	10.00	48	41	45	77	0	00	30.17	30.29	24	SCT	NC	8.00		73	70	71	90	7	14	30.03	30.15
SUNRISE: 0636				NOV 02				SUNSET: 1734				SUNRISE: 0641				NOV 08				SUNSET: 1729				
03	CLR	NC	10.00	44	40	42	85	3	32	30.16	30.27	03	BKN	014	8.00		74	71	72	91	9	15	30.01	30.13
06	CLR	NC	10.00	47	42	45	83	3	33	30.17	30.29	06	OVC	007	7.00		72	71	71	97	6	10	30.02	30.14
09	CLR	NC	10.00	59	43	51	56	3	05	30.22	30.34	09	BKN	009	10.00		78	71	73	79	13	16	30.04	30.16
12	CLR	NC	10.00	73	34	54	24	8	09	30.18	30.30	12	BKN	028	10.00		77	73	74	88	10	18	30.02	30.13
15	FEW	NC	10.00	76	34	55	22	5	11	30.13	30.24	15	BKN	033	4.00	RA	80	68	72	67	7	23	29.95	30.07
18	FEW	NC	10.00	65	41	53	42	5	17	30.11	30.23	18	SCT	NC	10.00		77	69	72	77	10	16	29.95	30.07
21	FEW	NC	10.00	60	42	51	52	6	17	30.13	30.25	21	FEW	NC	10.00		74	70	71	88	9	17	30.00	30.12
24	CLR	NC	10.00	51	45	48	80	0	00	30.14	30.26	24	FEW	NC	10.00		71	69	70	94	3	17	29.98	30.10
SUNRISE: 0637				NOV 03				SUNSET: 1733				SUNRISE: 0642				NOV 09				SUNSET: 1729				
03	CLR	NC	10.00	47	44	46	90	0	00	30.10	30.22	03	SCT	NC	8.00		67	66	66	97	5	15	29.97	30.09
06	FEW	NC	10.00	47	45	46	93	0	00	30.10	30.22	06	SCT	NC	4.00	BR	67	67	67	100	5	36	30.00	30.11
09	FEW	NC	8.00					3	13	30.13		09	OVC	007	1.00	BR	74	71	72	91	5	16	30.04	30.16
12	FEW	NC	10.00	77	53	63	44	12	16	30.09	30.21	12	BKN	044	10.00		83	68	73	61	7	27	30.01	30.13
15	FEW	NC	10.00	80	54	64	41	12	15	30.01	30.12	15	BKN	050	10.00		85	65	72	51	6	18	29.94	30.06
18	SCT	NC	10.00	72	57	63	60	12	16	29.98	30.10	18	SCT	NC	10.00		77	70	72	79	8	13	29.97	30.08
21	SCT	NC	10.00	67	58	62	73	8	17	30.00	30.12	21	BKN	041	10.00		75	69	71	82	6	17	30.02	30.14
24	BKN	039	10.00	60	57	58	90	6	19	29.98	30.10	24	CLR	NC	9.00		72	69	70	91	6	18	30.00	30.12
SUNRISE: 0638				NOV 04				SUNSET: 1732				SUNRISE: 0643				NOV 10				SUNSET: 1728				
03	SCT	NC	9.00	57	55	56	93	0	00	29.93	30.05	03	SCT	NC	5.00	BR	68	67	67	96	0	00	30.01	30.13
06	FEW	NC	10.00	57	55	56	93	0	00	29.91	30.03	06	BKN	007	8.00		71	69	70	94	6	29	30.04	30.16
09	BKN	250	10.00	71	59	64	66	0	00	29.92	30.03	09	OVC	040	10.00		75	69	71	82	5	30	30.09	30.20
12	OVC	049	10.00	78	59	66	52	7	27	29.90	30.01	12	BKN	250	10.00		81	65	71	58	8	31	30.05	30.17
15	BKN	055	10.00	82	56	66	41	12	19	29.82	29.94	15	SCT	NC	10.00		77	63	68	62	8	30	29.99	30.11
18	BKN	250	10.00	77	57	65	50	8	18	29.82	29.93	18	SCT	NC	10.00		75	64	68	69	0	00	29.98	30.10
21	BKN	250	10.00	72	60	65	66	5	18	29.82	29.94	21	OVC	009	8.00		71	66	68	84	10	05	30.03	30.15
24	BKN	250	10.00	71	63	66	76	6	17	29.81	29.93	24	OVC	010	9.00		67	62	64	84	7	04	30.03	30.15
SUNRISE: 0639				NOV 05				SUNSET: 1731				SUNRISE: 0643				NOV 11				SUNSET: 1727				
03	SCT	NC	10.00	69	63	65	81	3	16	29.79	29.91	03	OVC	010	10.00		67	57	61	71	8	11	30.00	30.12
06	SCT	NC	10.00	65	63	64	93	3	16	29.78	29.90	06	BKN	013	10.00		66	54	59	65	12	09	30.02	30.14
09	BKN	050	10.00	75	68	70	79	5	18	29.81	29.92	09	OVC	024	10.00		68	52	59	57	7	11	30.06	30.18
12	SCT	NC	10.00	82	65	71	56	12	22	29.78	29.90	12	BKN	250	10.00		75	57	64	54	7	09	30.00	30.12
15	SCT	NC	10.00	85	63	71	48	12	21	29.72	29.84	15	BKN	035	10.00		78	63	68	60	9	12	29.93	30.04
18	BKN	250	10.00	80	64	70	58	6	19	29.76	29.88	18	SCT	NC	10.00		72	66	68	82	12	11	29.91	30.03
21	SCT	NC	10.00	75	70	72	84	10	17	29.79	29.91	21	SCT	NC	7.00		71	68	69	90	5	15	29.93	30.05
24	BKN	050	10.00	74	70	71	88	6	18	29.84	29.96	24	SCT	NC	7.00		71	67	68	87	8	16	29.90	30.01
SUNRISE: 0639				NOV 06				SUNSET: 1731				SUNRISE: 0644				NOV 12				SUNSET: 1727				
03	SCT	NC	10.00	73	70	71	90	5	19	29.85	29.97	03	SCT	NC	7.00		71	67	68	87	5	17	29.86	29.98
06	SCT	NC	7.00	71	70	70	96	5	17	29.88	30.00	06	SCT	NC	5.00	BR	67	65	66	93	3	15	29.86	29.98
09	SCT	NC	9.00	77	72	74	85	8	22	29.95	30.07	09	SCT	NC	10.00		76	68	71	77	9	18	29.87	29.98
12	SCT	NC	10.00	83	69	74	63	6	27	29.94	30.06	12	BKN	065	10.00		83	65	71	55	13	17	29.84	29.95
15	SCT	NC	10.00	85	66	72	53	6	23	29.88	30.00	15	BKN	047	10.00		81	68	72	65	18	16	29.79	29.91
18	SCT	NC	10.00	79	70	73	74	12	15	29.91	30.03	18	SCT	NC	10.00		76	69	71	79	10	16	29.80	29.92
21	SCT	NC	10.00	74	70	71	88	3	17	29.97	30.09	21	SCT	NC	10.00		74	68	70	82	7	17	29.89	30.01
24	BKN	008	5.00	BR	72	71	97	0	00	29.98	30.10	24	BKN	250	9.00		71	68	69	90	6	15	29.90	30.02

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX

NOVEMBER 2005

IAH

WBAN # 12960

HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)					
	SKY COVER	CEILING 100'S OF FT		OBSERVATION TIME (LST)	EFF CLD AMT Oktas	VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)		DIRECTION TENS OF DEG	STATION		SEA LEVEL	OBSERVATION TIME (LST)	EFF CLD AMT Oktas	VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
SUNRISE: 0645				NOV 13				SUNSET: 1726				SUNRISE: 0650				NOV 19				SUNSET: 1724							
03	FEW	NC		10.00		72	68	69	87	5	17	29.90	30.01	03	BKN	090		10.00		47	38	43	71	0	00	30.09	30.21
06	BKN	085		6.00	BR	67	67	67	100	0	00	29.93	30.04	06	OVC	080		10.00		49	37	44	64	0	00	30.07	30.19
09	BKN	047		10.00		74	70	71	88	0	00	29.99	30.11	09	OVC	070		10.00		52	32	43	47	0	00	30.09	30.22
12	BKN	065		10.00		82	65	71	56	9	20	29.99	30.10	12	OVC	070		10.00		58	35	47	42	0	00	30.07	30.19
15	SCT	NC		10.00		86	65	72	50	3	VR	29.92	30.04	15	OVC	055		10.00		61	38	50	43	3	VR	30.02	30.14
18	BKN	100		10.00		77	68	71	74	9	16	29.95	30.06	18	BKN	050		10.00		59	43	51	56	5	03	30.02	30.14
21	SCT	NC		10.00		75	68	70	79	6	16	29.99	30.11	21	OVC	048		10.00	-RA	57	45	51	64	3	04	30.06	30.18
24	SCT	NC		10.00		72	68	69	87	5	17	29.99	30.11	24	OVC	075		10.00	-RA	54	48	51	80	5	05	30.06	30.18
SUNRISE: 0646				NOV 14				SUNSET: 1726				SUNRISE: 0651				NOV 20				SUNSET: 1723							
03	BKN	250		7.00		69	68	68	96	5	16	29.96	30.08	03	OVC	085		8.00		53	51	52	93	0	00	30.05	30.16
06	BKN	012		1.50	BR	65	64	64	97	0	00	29.96	30.08	06	BKN	090		5.00	BR	54	51	52	90	0	00	30.05	30.17
09	BKN	250		5.00	BR	75	71	72	88	8	17	29.98	30.10	09	FEW	NC		6.00	HZ	56	49	52	77	8	30	30.08	30.20
12	BKN	031		10.00		82	67	72	60	12	17	29.91	30.03	12	SCT	NC		10.00		63	44	53	50	13	33	30.06	30.18
15	BKN	060		10.00		84	66	72	55	13	16	29.80	29.92	15	BKN	065		10.00		66	40	53	39	16	01	30.00	30.12
18	SCT	NC		10.00		77	67	70	71	12	16	29.79	29.90	18	SCT	NC		10.00		59	32	47	36	6	31	30.03	30.15
21	SCT	NC		10.00		73	69	70	87	9	16	29.80	29.91	21	CLR	NC		10.00		51	35	44	54	0	00	30.06	30.18
24	FEW	NC		10.00		72	69	70	91	8	17	29.79	29.91	24	CLR	NC		10.00		46	36	42	68	0	00	30.04	30.16
SUNRISE: 0647				NOV 15				SUNSET: 1725				SUNRISE: 0652				NOV 21				SUNSET: 1723							
03	FEW	NC		10.00		71	68	69	90	6	17	29.76	29.88	03	CLR	NC		10.00		41	35	38	79	5	30	30.03	30.15
06	SCT	NC		8.00		71	68	69	90	5	17	29.76	29.88	06	CLR	NC		10.00		43	35	40	74	5	30	30.05	30.16
09	BKN	130		10.00		76	71	73	85	12	20	29.80	29.92	09	CLR	NC		10.00		51	37	45	59	8	32	30.10	30.22
12	BKN	027		10.00		83	70	74	65	12	22	29.80	29.91	12	CLR	NC		10.00		60	34	48	38	17	31	30.05	30.17
15	BKN	060		10.00	-RA	84	68	73	59	15	29	29.73	29.85	15	CLR	NC		10.00		64	33	49	32	10	30	29.99	30.11
18	OVC	042		10.00		64	50	56	61	12	36	29.92	30.04	18	CLR	NC		10.00		59	32	47	36	5	29	30.01	30.13
21	OVC	070		10.00		62	38	50	41	24	35	30.06	30.18	21	CLR	NC		10.00		51	35	44	54	5	27	30.03	30.15
24	OVC	080		10.00		56	32	45	40	20	36	30.20	30.31	24	CLR	NC		10.00		44	36	41	73	0	00	30.02	30.14
SUNRISE: 0648				NOV 16				SUNSET: 1725				SUNRISE: 0653				NOV 22				SUNSET: 1723							
03	SCT	NC		10.00		50	25	40	38	14	35	30.24	30.36	03	CLR	NC		10.00		41	36	39	82	0	00	30.01	30.13
06	SCT	NC		10.00		46	24	37	42	14	36	30.31	30.43	06	CLR	NC		10.00		40	35	38	83	0	00	30.03	30.15
09	FEW	NC		10.00		47	24	38	41	18	36	30.39	30.51	09	CLR	NC		10.00		53	37	46	55	7	31	30.06	30.19
12	FEW	NC		10.00		55	22	42	28	21	01	30.36	30.48	12	CLR	NC		10.00		69	34	52	27	7	32	30.02	30.14
15	FEW	NC		10.00		57	21	43	25	16	35	30.30	30.42	15	CLR	NC		10.00		73	34	54	24	7	VR	29.94	30.06
18	FEW	NC		10.00		52	22	40	31	9	36	30.34	30.46	18	FEW	NC		10.00		61	39	50	44	0	00	29.95	30.07
21	CLR	NC		10.00		46	24	38	42	6	35	30.39	30.51	21	CLR	NC		10.00		52	40	46	64	0	00	29.96	30.08
24	CLR	NC		10.00		41	26	35	55	6	35	30.40	30.52	24	CLR	NC		10.00		46	40	43	79	0	00	29.96	30.08
SUNRISE: 0648				NOV 17				SUNSET: 1725				SUNRISE: 0653				NOV 23				SUNSET: 1723							
03	CLR	NC		10.00		38	27	34	65	6	02	30.39	30.51	03	CLR	NC		10.00		46	41	44	83	0	00	29.92	30.04
06	CLR	NC		10.00		37	26	33	65	5	03	30.40	30.52	06	CLR	NC		10.00		45	41	43	86	0	00	29.91	30.03
09	CLR	NC		10.00		47	24	38	41	15	06	30.43	30.55	09	CLR	NC		10.00		60	41	51	50	9	23	29.92	30.04
12	CLR	NC		10.00		54	20	41	26	10	09	30.37	30.50	12	CLR	NC		10.00		77	37	56	24	15	25	29.87	29.99
15	CLR	NC		10.00		59	23	44	25	7	VR	30.26	30.39	15	CLR	NC		10.00		82	34	57	18	9	24	29.78	29.90
18	FEW	NC		10.00		51	27	41	39	8	06	30.26	30.38	18	FEW	NC		10.00		73	37	55	27	5	21	29.77	29.89
21	CLR	NC		10.00		49	28	40	45	6	05	30.29	30.41	21	CLR	NC		10.00		66	40	53	39	8	21	29.79	29.91
24	BKN	130		10.00		45	31	39	58	6	02	30.30	30.42	24	CLR	NC		10.00		61	41	51	48	7	22	29.78	29.90
SUNRISE: 0649				NOV 18				SUNSET: 1724				SUNRISE: 0654				NOV 24				SUNSET: 1722							
03	BKN	085		10.00		44	24	36	45	9	05	30.29	30.41	03	CLR	NC		10.00		59	50	54	72	8	22	29.78	29.90
06	BKN	080		10.00		43	22	35	43	10	05	30.31	30.42	06	FEW	NC		10.00		58	51	54	78	5	23	29.79	29.91
09	OVC	080		10.00		44	22	36	41	10	07	30.34	30.46	09	BKN	250		10.00		64	54	58	70	9	24	29.84	29.95
12	BKN	090		10.00		50	21	39	32	7	VR	30.30	30.42	12	OVC	250		10.00		74	55	63	52	8	25	29.80	29.92
15	BKN	100		10.00		56	19	41	24	9	03	30.21	30.33	15	OVC	250		10.00		77	52	62	42	5	23	29.74	29.86
18	OVC	090		10.00		53	25	42	34	3	VR	30.18	30.30	18	BKN	250		10.00		66	55	60	68	0	00	29.76	29.88
21	BKN	095		10.00		49	31	41	50	3	01	30.17	30.29	21	BKN	250		10.00		61	55	58	81	0	00	29.80	29.91
24	FEW	NC		10.00		44	34	40	68	0	00	30.15	30.27	24	SCT	NC		9.00		58	56	57	93	0	00	29.81	29.93

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX

NOVEMBER 2005

IAH

WBAN # 12960

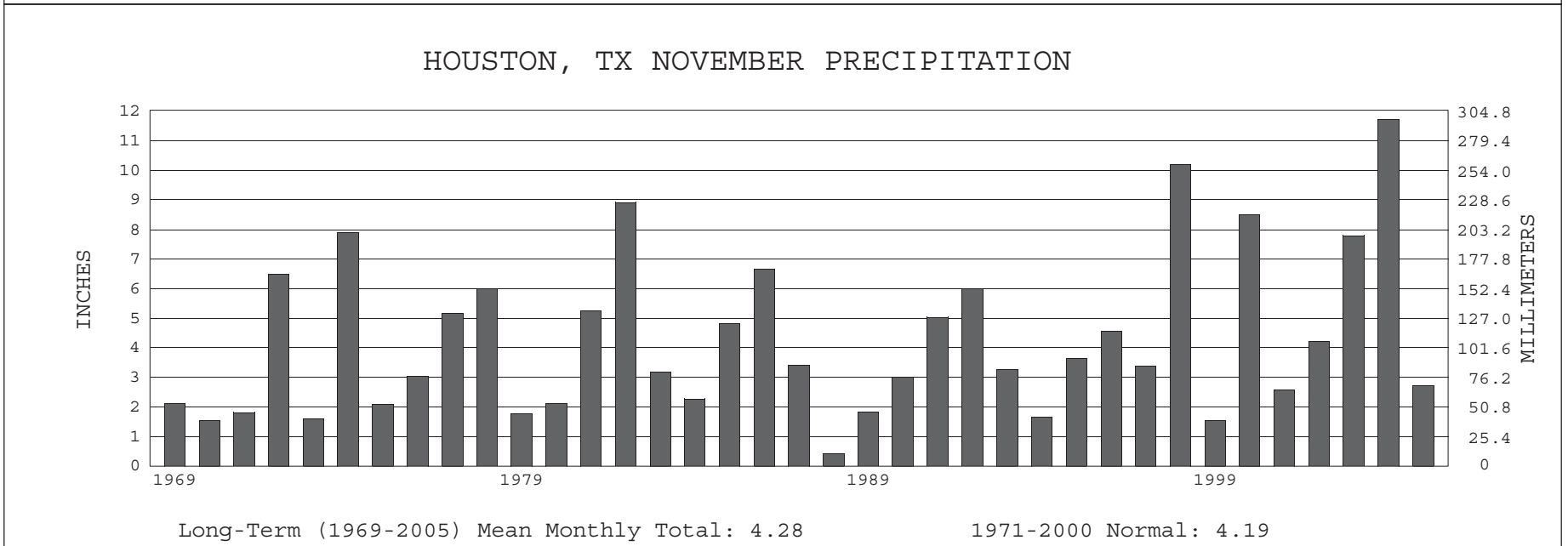
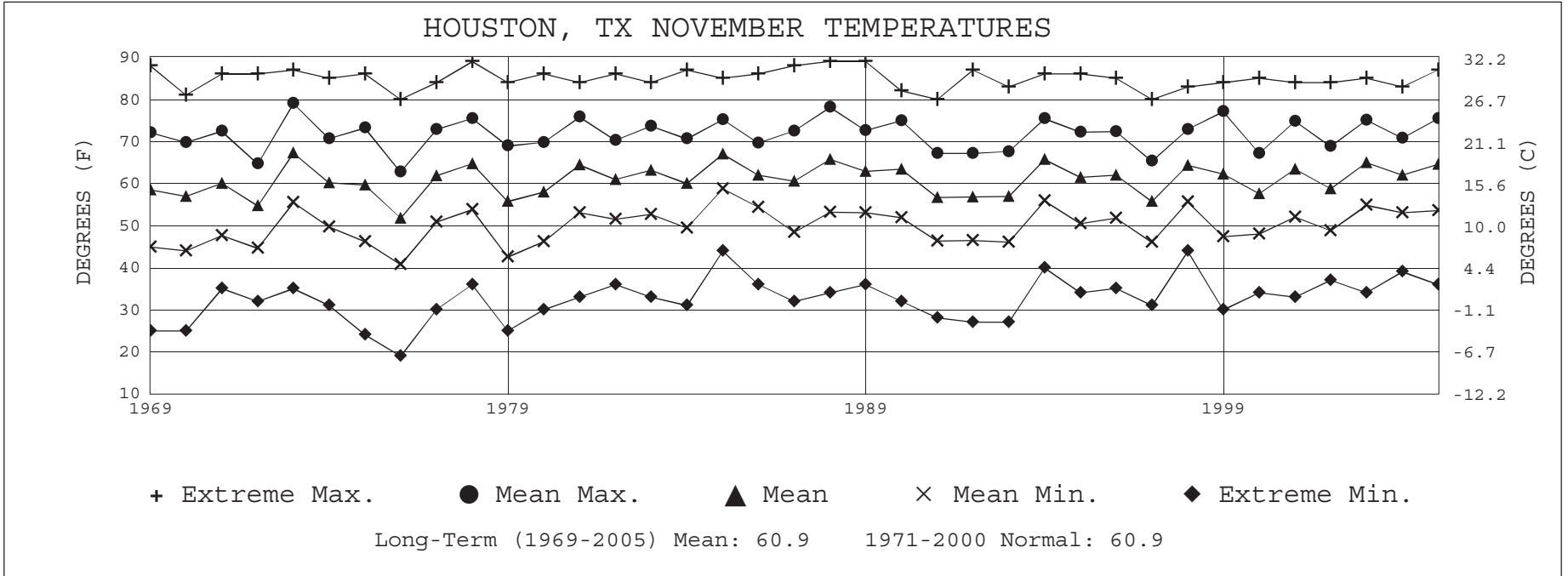
HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)			
	SKY COVER	CEILING 100'S OF FT		OBSERVATION TIME (LST)	EFF CLD AMT Oktas	VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)		DIRECTION TENS OF DEG	STATION		SEA LEVEL	OBSERVATION TIME (LST)	EFF CLD AMT Oktas	VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG
SUNRISE: 0655				NOV 25				SUNSET: 1722				SUNRISE: NOV 31				SUNSET:									
03	BKN	250		2.00	BR	57	56	56	96	3	09	29.82	29.93												
06	OVC	001		1.00	BR	59	58	58	96	6	04	29.86	29.97												
09	OVC	001		0.13	BR	61	60	60	97	8	08	29.92	30.04												
12	OVC	005		1.00	BR	62	58	60	86	8	08	29.92	30.03												
15	OVC	065		10.00		70	61	64	73	9	11	29.85	29.97												
18	BKN	015		10.00		68	62	64	81	7	12	29.88	29.99												
21	OVC	010		10.00		65	61	63	87	10	11	29.89	30.01												
24	OVC	006		8.00		63	61	62	93	8	10	29.89	30.00												
SUNRISE: 0656				NOV 26				SUNSET: 1722																	
03	OVC	002		0.25	BR	63	61	62	93	9	12	29.83	29.95												
06	SCT	NC		2.00	BR	64	62	63	93	6	08	29.78	29.90												
09	OVC	011		2.00	+RA BR	64	62	63	93	0	00	29.82	29.94												
12	OVC	060		8.00	-RA	63	60	61	90	7	03	29.76	29.87												
15	OVC	100		10.00		64	60	62	87	12	12	29.62	29.74												
18	BKN	012		10.00		63	59	61	87	3	17	29.64	29.76												
21	OVC	009		7.00		61	59	60	93	6	17	29.66	29.78												
24	OVC	013		7.00		63	60	61	90	0	00	29.64	29.76												
SUNRISE: 0657				NOV 27				SUNSET: 1722																	
03	OVC	004		1.50	BR	63	62	62	97	7	14	29.58	29.70												
06	OVC	003		0.50	BR	68	67	67	96	9	18	29.54	29.66												
09	BKN	012		7.00		73	68	70	84	13	18	29.53	29.65												
12	FEW	NC		10.00		80	65	70	60	13	19	29.47	29.59												
15	FEW	NC		10.00		82	62	69	51	20	17	29.37	29.49												
18	OVC	029		10.00		76	66	69	72	17	19	29.35	29.46												
21	OVC	029		10.00		75	67	70	76	7	18	29.41	29.52												
24	BKN	050		10.00		61	50	55	67	7	31	29.53	29.65												
SUNRISE: 0657				NOV 28				SUNSET: 1722																	
03	BKN	075		10.00		63	37	50	38	9	31	29.57	29.69												
06	FEW	NC		10.00		53	36	45	52	6	29	29.63	29.75												
09	CLR	NC		10.00		58	35	47	42	8	28	29.72	29.83												
12	CLR	NC		10.00		64	30	48	28	9	31	29.72	29.83												
15	CLR	NC		10.00		65	27	48	24	13	31	29.69	29.81												
18	CLR	NC		10.00		57	30	45	36	3	26	29.75	29.88												
21	CLR	NC		10.00		54	30	44	40	5	27	29.84	29.96												
24	CLR	NC		10.00		50	30	41	46	5	29	29.90	30.02												
SUNRISE: 0658				NOV 29				SUNSET: 1722																	
03	CLR	NC		10.00		44	32	39	63	6	32	29.93	30.05												
06	CLR	NC		10.00		44	29	38	55	6	34	30.01	30.13												
09	CLR	NC		10.00		48	28	40	46	10	35	30.08	30.20												
12	CLR	NC		10.00		56	28	44	34	6	34	30.07	30.19												
15	CLR	NC		10.00		62	27	47	26	3	33	30.01	30.13												
18	CLR	NC		10.00		52	33	44	49	5	26	30.03	30.15												
21	CLR	NC		10.00		49	32	42	52	0	00	30.08	30.19												
24	CLR	NC		10.00		45	33	40	63	0	00	30.06	30.19												
SUNRISE: 0659				NOV 30				SUNSET: 1721																	
03	CLR	NC		10.00		40	33	37	77	0	00	30.05	30.17												
06	CLR	NC		10.00		38	34	36	86	0	00	30.06	30.18												
09	CLR	NC		10.00		50	37	44	61	8	10	30.06	30.18												
12	CLR	NC		10.00		63	38	51	40	13	14	29.99	30.11												
15	CLR	NC		10.00		65	45	54	49	16	13	29.87	29.99												
18	SCT	NC		10.00		59	47	53	64	13	13	29.88	30.00												
21	BKN	048		10.00		57	49	53	75	5	09	29.90	30.02												
24	BKN	038		10.00		56	50	53	81	0	00	29.91	30.03												

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 Visibility = 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										RESULTANT WIND (MPH)	
	CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (INCHES, HG)		VISIBILITY (MILES)	WIND SPEED (MPH)	DIRECTION	
							STATION	SEA LEVEL				
01			59	52	55	79	29.97	30.09	9.23	5	1	14
02			58	51	55	79	29.97	30.09	8.66	4	1	12
03			57	51	54	80	29.96	30.08	8.21	5	1	11
04			58	51	54	80	29.97	30.08	7.80	4	0	0
05			57	51	54	81	29.97	30.09	7.60	4	1	36
06			57	51	54	82	29.98	30.10	7.50	4	1	3
07			57	51	54	82	29.99	30.10	7.12	4	0	0
08			59	52	56	78	30.01	30.12	7.55	6	1	14
09			63	52	58	68	30.02	30.13	8.37	8	1	17
10			66	51	59	60	30.02	30.15	9.15	10	1	22
11			69	50	59	54	30.01	30.13	9.60	9	2	24
12			71	50	60	50	29.98	30.10	9.63	10	2	25
13			73	49	60	46	29.95	30.07	9.63	10	2	20
14			74	50	61	45	29.93	30.05	9.73	9	2	22
15			74	49	61	45	29.91	30.03	9.80	10	2	18
16			72	50	60	49	29.91	30.03	9.60	11	2	11
17			70	50	60	52	29.92	30.03	9.93	9	3	14
18			67	51	59	59	29.93	30.05	10.00	7	4	15
19			65	51	58	63	29.94	30.05	9.93	7	3	15
20			64	52	58	66	29.95	30.07	9.70	8	3	15
21			63	52	58	69	29.97	30.08	9.67	6	2	15
22			62	52	57	73	29.97	30.08	9.43	7	1	16
23			61	52	56	75	29.98	30.09	9.33	5	2	16
24			59	52	56	77	29.97	30.09	9.37	4	1	14





NOVEMBER 2005

HOUSTON, TX

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

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