



OCTOBER 2004

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

OCTOBER 2004
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	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
01	92	65	79	4	68	72	0	14	BR	0		0.0	0.00	29.87	29.98	5.1	15	6.3	18	14	16	14	01		
02	84	74	79	4	73	75	0	14	RA BR	0		0.0	0.01	30.03	30.14	3.2	03	5.3	15	01	13	01	02		
03	94	72	83	8	69	73	0	18		0		0.0	0.00	30.02	30.14	2.2	03	5.0	15	04	12	06	03		
04	94	67	81	7	68	71	0	16	TSRA RA BR	0		0.0	0.45	29.99	30.11	3.5	04	6.3	37	30	30*	31	04		
05	81	65	73	-1	66	68	0	8	BR	0		0.0	0.00	30.01	30.13	2.3	02	4.2	24	33	20	33	05		
06	88	68	78	5	70	72	0	13	RA BR	0		0.0	0.02	29.98	30.10	5.3	09	6.5	30	10	25	10	06		
07	81	70	76	3	71	72	0	11	TSRA RA BR	0		0.0	0.33	29.93	30.04	7.4	08	8.3	21	10	17	09	07		
08	86	71	79	6	70	72	0	14	BR	0		0.0	0.00	29.80	29.92	8.2	02	9.1	23	36	20	01	08		
09	79	67	73	0	66	68	0	8	DZ	0		0.0	T	29.70	29.82	10.4	34	11.0	24	01	21	36	09		
10	78	65	72	0	64	66	0	7	RA DZ BR	0		0.0	0.01	29.64	29.76	8.9	31	9.1	23	31	18	31	10		
11	82	62	72	0	60	64	0	7		0		0.0	0.00	29.76	29.87	6.2	29	7.0	18	28	15	28	11		
12	80	62	71	-1	57	62	0	6		0		0.0	0.00	29.84	29.95	7.3	30	7.7	20	30	15	32	12		
13	81	60	71	0	63	65	0	6	RA	0		0.0	0.06	29.76	29.88	4.0	21	4.6	18	16	16	16	13		
14	72	51*	62*	-9	49	56	3	0	RA	0		0.0	0.01	29.77	29.88	8.6	32	10.4	31	36	24	33	14		
15	82	52	67	-4	49	57	0	2		0		0.0	0.00	29.74	29.85	4.1	23	5.7	14	27	12	27	15		
16	87	56	72	2	62	66	0	7		0		0.0	0.00	29.76	29.88	5.6	20	5.8	18	19	16	22	16		
17	91	72	82	12	72	75	0	17		0		0.0	0.00	29.74	29.85	9.3	18	9.3	23	18	17	16	17		
18	92	79	86	16	73	76	0	21	RA	0		0.0	T	29.66	29.77	11.6	19	11.8	25	21	20	20	18		
19	94*	78	86*	16	74	77	0	21	RA	0		0.0	T	29.72	29.83	8.5	20	9.0	24	22	17	21	19		
20	93	77	85	16	74	77	0	20	BR	0		0.0	0.00	29.78	29.89	4.7	20	5.2	14	19	12	22	20		
21	93	74	84	15	74	77	0	19	BR	0		0.0	0.00	29.80	29.91	5.1	17	6.1	20	13	16	14	21		
22	91	75	83	15	73	76	0	18	BR	0		0.0	0.00	29.77	29.88	8.7	17	8.8	29	15	18	15	22		
23	79	70	75	7	71	72	0	10	TSRA RA BR	0		0.0	0.60	29.80	29.91	1.9	16	3.3	17	07	15	07	23		
24	88	72	80	12	72	74	0	15	RA	0		0.0	T	29.79	29.90	5.3	17	5.9	26	16	22	16	24		
25	90	71	81	14	70	73	0	16		0		0.0	0.00	29.84	29.96	6.1	17	6.5	16	21	15	16	25		
26	89	69	79	12	70	73	0	14		0		0.0	0.00	29.89	30.00	7.1	16	7.6	22	16	18	15	26		
27	89	71	80	13	71	74	0	15		0		0.0	0.00	29.96	30.07	9.5	14	9.8	23	13	20	15	27		
28	89	73	81	15	70	73	0	16		0		0.0	0.00	29.96	30.07	8.1	16	8.5	23	15	17	14	28		
29	87	73	80	14	72	74	0	15	TS TSRA RA	0		0.0	0.55	29.86	29.97	8.6	17	8.7	23	21	17	22	29		
30	89	72	81	15	71	74	0	16	RA	0		0.0	T	29.85	29.96	6.6	17	7.1	21	17	16	17	30		
31	88	69	79	13	69	72	0	14	RA	0		0.0	0.01	29.76	29.87	9.1	16	9.2	38*	15	29	16	31		
< MONTHLY AVERAGES											TOTALS->					<- MONTHLY AVERAGES									
4.5											9.7					7.1									
DEGREE DAYS											GREATEST 24-HR PRECIPITATION: 0.60 DATE: 23														
MONTHLY TOTAL DEPARTURE											GREATEST 24-HR SNOWFALL: 0.0 DATE:														
SEASON TO DATE TOTAL DEPARTURE											GREATEST SNOW DEPTH: 0 DATE:														
HEATING: 3 -34											MAXIMUM TEMP ≥ 90: 10														
COOLING: 398 202											MAXIMUM TEMP ≤ 32: 0														
											MINIMUM TEMP ≤ 0: 0														
											THUNDERSTORMS: 4														
											MINIMUM TEMP ≤ 32: 0														
											PRECIPITATION ≥ 0.01 INCH: 10														
											PRECIPITATION ≥ 0.10 INCH: 4														
											SNOWFALL ≥ 1.0 INCH: 0														

SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

HOUSTON, TX

OCTOBER 2004

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												0.01	02	T											02		0.01		
03													03												03		0.00		
04													04												04		0.45		
05													05												05		0.00		
06													06												06		0.02		
07													07	0.04											07		0.33		
08													08	0.07											08		0.00		
09													09	0.01											09		T		
10	T	T	T	0.01	T	T	T	T					10												10		0.01		
11													11												11		0.00		
12													12												12		0.00		
13													13												13		0.06		
14					0.01	T							14												14		0.01		
15													15												15		0.00		
16													16												16		0.00		
17													17												17		0.00		
18													18												18		T		
19		T	T										19												19		T		
20													20												20		0.00		
21													21												21		0.00		
22													22												22		0.00		
23													23	0.11	0.03										23		0.60		
24													24												24		T		
25													25												25		0.00		
26													26												26		0.00		
27													27												27		0.00		
28													28												28		0.00		
29													29	T	0.55	T									29		0.55		
30													30												30		T		
31													31												31		0.01		

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	.31	.44	.50	.53	.55	.55	.55	.55	.55	.55	.55	.55
Ending Date	29	29	29	29	29	29	29	29	29	29	29	29
Ending Time (Hour/Min)	1319	1322	1324	1325	1333	1333	1333	1333	1333	1333	1333	1333

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 OCTOBER 2004

Ceilorometer (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							5.00	10.00	
02							5.00	10.00	
03							8.00	10.00	
04							1.75	10.00	
05							.25	10.00	
06							.50	10.00	
07							1.50	10.00	
08							.50	10.00	
09							7.00	10.00	
10							4.00	10.00	
11							10.00	10.00	
12							10.00	10.00	
13							8.00	10.00	
14							7.00	10.00	
15							10.00	10.00	
16							10.00	10.00	
17							9.00	10.00	
18							10.00	10.00	
19							10.00	10.00	
20							6.00	10.00	
21							4.00	10.00	
22							6.00	10.00	
23							2.00	10.00	
24							7.00	10.00	
25							8.00	10.00	
26							8.00	10.00	
27							9.00	10.00	
28							8.00	10.00	
29							3.00	10.00	
30							8.00	10.00	
31							8.00	10.00	
MONTHLY AVGS							6.69	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 5 20									

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX

OCTOBER 2004

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		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
SUNRISE: 0615 OCT 01 SUNSET: 1808																													
03	CLR	NC			8.00	68	64	66	87	0	00	29.81	29.93	03	BKN	250			10.00	71	69	70	94	7	08	29.94	30.06		
06	SCT	NC			6.00	BR	66	64	65	93	3	32	29.85	29.97	06	BKN	110			10.00	71	69	70	94	5	01	29.94	30.06	
09	SCT	NC			9.00		82	69	73	65	8	17	29.89	30.01	09	BKN	130			10.00	75	70	72	84	9	07	30.00	30.11	
12	FEW	NC			10.00		90	65	73	44	7	VR	29.88	29.99	12	OVC	028			10.00	-RA	77	71	73	82	10	11	29.97	30.09
15	BKN	050			10.00		89	69	75	52	8	18	29.84	29.96	15	OVC	045			8.00	-RA	76	73	74	91	9	07	29.89	30.01
18	BKN	250			10.00		84	72	76	67	14	13	29.86	29.98	18	OVC	007			2.50	-RA BR	72	71	71	97	12	10	29.87	29.99
21	FEW	NC			8.00		81	73	75	77	8	16	29.90	30.01	21	OVC	007			10.00	-RA	72	71	71	97	6	13	29.89	30.01
24	SCT	NC			8.00		78	75	76	90	5	16	29.92	30.04	24	OVC	005			10.00		72	71	71	97	5	11	29.87	29.99
SUNRISE: 0616 OCT 02 SUNSET: 1806																													
03	BKN	250			8.00		77	75	76	94	0	00	29.93	30.05	03	OVC	005			10.00		72	71	71	97	3	VR	29.85	29.97
06	BKN	130			5.00	BR	76	74	75	94	7	34	30.00	30.11	06	OVC	003			0.50	BR	72	70	71	94	7	03	29.84	29.96
09	BKN	130			10.00		76	71	73	85	10	06	30.06	30.18	09	OVC	005			2.50		73	70	71	90	10	06	29.85	29.96
12	OVC	130			10.00		79	72	74	79	5	VR	30.06	30.18	12	OVC	029			10.00		81	70	74	69	14	36	29.82	29.93
15	OVC	250			10.00		83	72	75	70	0	00	30.02	30.14	15	BKN	060			10.00		84	70	74	63	14	02	29.75	29.86
18	OVC	250			10.00		81	73	75	77	10	05	30.02	30.14	18	BKN	023			10.00		78	70	73	76	15	01	29.74	29.86
21	OVC	028			10.00		78	73	75	85	5	04	30.07	30.18	21	SCT	NC			10.00		73	69	70	87	6	36	29.78	29.89
24	SCT	NC			10.00		74	71	72	91	3	05	30.06	30.18	24	FEW	NC			10.00		71	69	70	94	6	33	29.76	29.88
SUNRISE: 0616 OCT 03 SUNSET: 1805																													
03	SCT	NC			9.00		72	70	71	94	3	35	30.03	30.15	03	SCT	NC			10.00		68	66	67	93	6	34	29.72	29.84
06	OVC	100			10.00		73	70	71	90	3	34	30.06	30.18	06	BKN	012			10.00		69	66	67	90	9	34	29.74	29.83
09	BKN	250			10.00		77	72	74	85	6	VR	30.09	30.21	09	OVC	014			9.00		73	68	70	84	12	35	29.72	29.85
12	BKN	250			10.00		89	67	74	48	5	VR	30.04	30.16	12	OVC	022			10.00		77	66	70	69	13	35	29.71	29.83
15	BKN	250			10.00		91	64	73	41	0	00	29.96	30.08	15	OVC	033			10.00		77	64	69	64	17	36	29.66	29.78
18	BKN	250			10.00		88	67	74	50	6	34	29.97	30.09	18	BKN	024			10.00		72	64	67	76	13	34	29.67	29.79
21	BKN	250			10.00		81	70	74	69	6	VR	30.01	30.12	21	OVC	025			10.00		70	64	66	82	12	34	29.68	29.80
24	BKN	250			10.00		75	70	72	84	5	06	29.98	30.10	24	OVC	010			8.00		68	66	67	93	9	32	29.65	29.77
SUNRISE: 0617 OCT 04 SUNSET: 1804																													
03	BKN	250			9.00		74	71	72	91	0	00	29.98	30.09	03	OVC	007			4.00	-DZ BR	67	66	66	97	8	30	29.60	29.72
06	BKN	250			8.00		73	70	71	90	0	00	30.00	30.11	06	OVC	007			4.00	-DZ BR	67	65	66	93	9	31	29.63	29.75
09	SCT	NC			8.00		82	70	74	67	0	00	30.00	30.11	09	OVC	010			10.00		69	65	66	87	9	31	29.67	29.79
12	BKN	250			9.00		90	69	76	50	3	33	29.98	30.10	12	OVC	022			10.00		74	64	68	71	13	31	29.66	29.77
15	BKN	250			10.00		78	66	70	67	20	01	29.94	30.06	15	OVC	030			10.00		76	63	68	64	16	30	29.61	29.73
18	BKN	046			10.00		75	64	68	69	16	05	30.00	30.11	18	SCT	NC			10.00		73	62	66	69	8	31	29.62	29.74
21	OVC	041			9.00	-TSRA	68	66	67	93	8	32	30.09	30.21	21	CLR	NC			10.00		69	62	65	78	6	28	29.66	29.78
24	BKN	250			10.00		67	65	66	93	5	16	29.96	30.08	24	CLR	NC			10.00		66	62	64	87	6	27	29.66	29.78
SUNRISE: 0617 OCT 05 SUNSET: 1803																													
03	BKN	013			10.00		66	64	65	93	6	03	30.01	30.13	03	CLR	NC			10.00		64	61	62	90	6	26	29.68	29.79
06	BKN	250			10.00		66	63	64	90	5	36	30.02	30.14	06	CLR	NC			10.00		62	60	61	93	5	23	29.73	29.85
09	OVC	004			8.00		68	65	66	90	7	36	30.06	30.17	09	SCT	NC			10.00		70	61	64	73	9	31	29.78	29.90
12	BKN	250			10.00		75	66	69	74	5	35	30.04	30.16	12	BKN	032			10.00		75	60	66	60	9	29	29.77	29.88
15	BKN	250			10.00		80	67	71	64	7	VR	29.97	30.09	15	SCT	NC			10.00		81	59	67	47	10	30	29.73	29.85
18	CLR	NC			10.00		78	68	71	71	5	12	29.97	30.09	18	FEW	NC			10.00		76	59	66	56	7	31	29.76	29.88
21	BKN	250			10.00		74	68	70	82	0	00	30.00	30.12	21	FEW	NC			10.00		69	59	63	70	3	29	29.82	29.94
24	BKN	130			10.00		71	68	69	90	0	00	29.98	30.09	24	CLR	NC			10.00		63	59	61	87	5	27	29.84	29.95
SUNRISE: 0618 OCT 06 SUNSET: 1802																													
03	SCT	NC			9.00		69	67	68	93	0	00	29.95	30.07	03	CLR	NC			10.00		64	58	60	81	6	27	29.83	29.95
06	BKN	250			7.00		68	67	67	96	5	VR	29.96	30.08	06	CLR	NC			10.00		63	58	60	84	9	30	29.86	29.98
09	BKN	130			4.00	BR	75	72	73	90	7	09	30.01	30.13	09	FEW	NC			10.00		70	56	62	61	12	32	29.89	30.01
12	BKN	040			10.00		86	73	77	65	10	09	30.00	30.12	12	FEW	NC			10.00		76	57	64	52	13	30	29.87	29.98
15	SCT	NC			10.00		77	69	72	77	7	15	29.97	30.09	15	CLR	NC			10.00		79	56	65	45	12	33	29.80	29.92
18	OVC	250			10.00		77	70	72	79	3	30	29.99	30.10	18	FEW	NC			10.00		74	56	63	54	7	29	29.80	29.91
21	BKN	250			10.00		73	71	72	94	9	09	29.98	30.10	21	FEW	NC			10.00		70	56	62	61	5	29	29.82	29.94
24	BKN	250			10.00		72	69	70	91	5	03	29.98	30.09	24	FEW	NC			10.00		64	57	60	78	0	00	29.80	29.92

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX

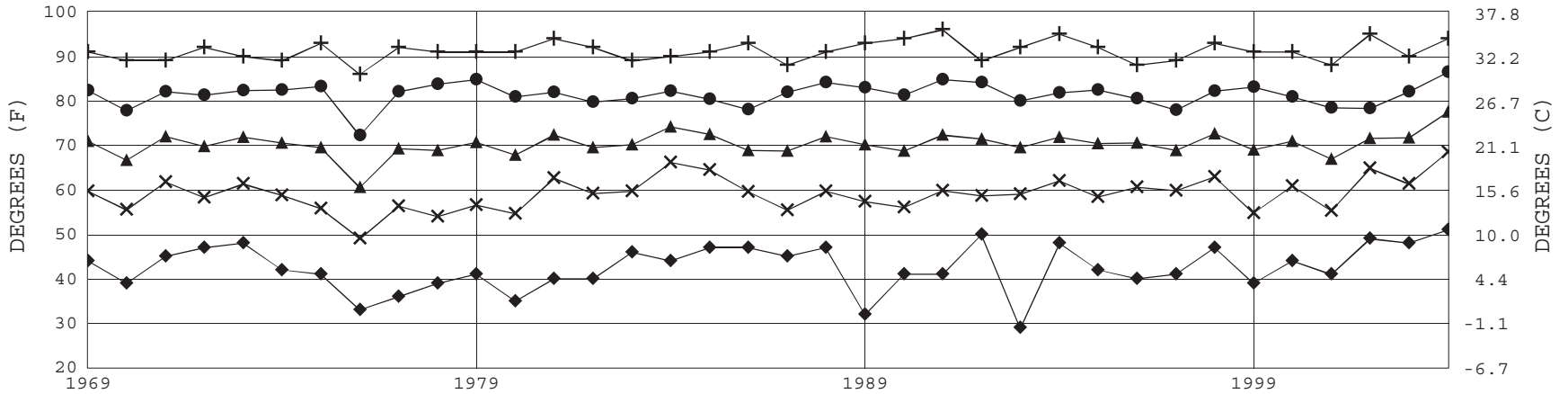
OCTOBER 2004

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	RELATIVE HUMIDITY (PCT)	DRY BULB	DEW POINT	WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG		STATION	SEA LEVEL		OBSERVATION TIME (LST)	EFF CLD AMT	RELATIVE HUMIDITY (PCT)	DRY BULB	DEW POINT	WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
SUNRISE: 0631 OCT 25 SUNSET: 1740												SUNRISE: 0635 OCT 31 SUNSET: 1735													
03	BKN	250			74	71	72	91	0	00	29.81	29.93	03	FEW	NC			71	69	70	94	0	00	29.80	29.92
06	SCT	NC			72	70	71	94	5	15	29.84	29.96	06	FEW	NC			70	68	69	93	6	16	29.80	29.92
09	BKN	250			81	73	75	77	8	17	29.87	29.98	09	SCT	NC			79	70	73	74	9	17	29.83	29.95
12	BKN	037			87	69	75	55	7	22	29.86	29.98	12	SCT	NC			86	66	73	51	13	19	29.78	29.90
15	BKN	250			88	66	73	48	8	16	29.80	29.91	15	SCT	NC			86	66	73	51	16	16	29.70	29.82
18	BKN	250			82	69	73	65	9	16	29.82	29.94	18	SCT	NC			80	70	73	71	10	16	29.69	29.81
21	SCT	NC			75	69	71	82	5	15	29.86	29.98	21	BKN	080			78	71	73	79	7	16	29.71	29.82
24	SCT	NC			73	70	71	90	6	15	29.85	29.97	24	OVC	090			74	70	71	88	12	16	29.66	29.78
SUNRISE: 0631 OCT 26 SUNSET: 1739												3-HOURLY OBSERVATION NOTES													
03	CLR	NC			71	69	70	94	0	00	29.86	29.98	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.												
06	BKN	055			81	70	70	96	6	11	29.88	30.00	Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet.												
09	BKN	250			71	72	75	74	8	17	29.92	30.04	NC = No ceiling detected.												
12	OVC	075			86	69	74	57	14	16	29.90	30.01	& = Original observation contained additional weather elements.												
15	BKN	090			88	68	74	52	12	18	29.83	29.94	See page 3 for additional notes.												
18	BKN	100			83	69	74	63	9	16	29.86	29.98													
21	SCT	NC			78	72	74	82	8	14	29.91	30.02													
24	SCT	NC			76	72	73	88	7	15	29.91	30.03													
SUNRISE: 0632 OCT 27 SUNSET: 1738												SUMMARY BY HOUR													
03	SCT	NC			73	71	72	94	5	15	29.92	30.03	AVERAGES												
06	SCT	NC			74	71	72	91	5	15	29.93	30.05	HOUR (LST)	CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (INCHES, HG)		VISIBILITY (MILES)	WIND SPEED (MPH)	RESULTANT WIND (MPH)	
09	BKN	250			81	72	75	74	14	15	29.99	30.11								STATION	SEA LEVEL			SPEED	DIRECTION
12	BKN	090			88	69	75	54	13	15	29.98	30.09	01			72	68	70	89	29.83	29.94	9.74	4	2	18
15	SCT	NC			85	71	75	63	16	13	29.93	30.05	02			72	68	69	90	29.82	29.94	9.16	5	2	19
18	SCT	NC			80	71	74	74	12	14	29.95	30.07	03			71	68	69	91	29.82	29.93	9.10	4	1	20
21	SCT	NC			77	73	74	88	9	14	29.98	30.10	04			71	68	69	90	29.82	29.93	9.06	4	1	19
24	SCT	NC			76	72	73	88	8	16	29.98	30.10	05			71	68	69	91	29.83	29.94	9.13	4	1	20
SUNRISE: 0633 OCT 28 SUNSET: 1737												06			71	68	69	91	29.84	29.95	8.50	5	0	0	
03	BKN	130			76	72	73	88	6	16	29.96	30.08	07			71	68	69	90	29.85	29.97	7.55	5	0	0
06	BKN	130			74	71	72	91	3	13	29.99	30.11	08			73	69	70	86	29.86	29.98	8.66	6	1	13
09	SCT	NC			80	71	74	74	13	15	30.01	30.13	09			77	69	72	77	29.87	29.99	9.34	8	2	18
12	SCT	NC			86	69	74	57	9	18	29.98	30.09	10			79	68	72	70	29.88	29.99	9.68	10	3	20
15	SCT	NC			88	66	73	48	12	18	29.91	30.03	11			81	68	72	64	29.87	29.99	9.81	11	3	19
18	SCT	NC			81	68	72	65	10	16	29.92	30.03	12			83	67	72	60	29.85	29.96	9.97	9	3	20
21	SCT	NC			76	72	73	88	9	14	29.93	30.05	13			84	66	72	58	29.82	29.94	9.71	8	2	20
24	SCT	NC			75	70	72	84	6	17	29.91	30.02	14			84	66	72	57	29.80	29.92	9.94	10	4	18
SUNRISE: 0633 OCT 29 SUNSET: 1737												15			84	66	72	57	29.79	29.91	9.94	10	3	19	
03	SCT	NC			75	71	72	88	6	16	29.89	30.01	16			83	66	72	59	29.79	29.90	9.63	10	4	18
06	BKN	065			76	72	73	88	6	16	29.89	30.01	17			82	66	72	61	29.79	29.91	9.97	10	4	15
09	BKN	250			81	72	75	74	13	18	29.91	30.03	18			79	67	71	68	29.80	29.92	9.76	9	3	15
12	BKN	055			87	72	77	61	13	17	29.86	29.98	19			77	68	71	73	29.81	29.93	10.00	8	4	15
15	BKN	100			80	74	76	82	10	16	29.81	29.92	20			76	68	71	78	29.83	29.94	10.00	7	4	16
18	BKN	100			80	72	75	76	12	16	29.80	29.92	21			75	68	71	81	29.83	29.95	9.90	7	3	17
21	FEW	NC			78	72	74	82	9	17	29.84	29.96	22			74	68	70	84	29.84	29.95	9.74	7	4	16
24	BKN	020			77	73	74	88	7	18	29.84	29.96	23			73	69	70	86	29.83	29.94	9.84	6	4	16
SUNRISE: 0634 OCT 30 SUNSET: 1736												24			72	68	70	88	29.82	29.94	9.81	6	3	17	
03	SCT	NC			75	72	73	90	5	17	29.82	29.93													
06	BKN	070			74	72	73	94	5	17	29.85	29.97													
09	BKN	250			79	72	74	79	7	20	29.90	30.02													
12	BKN	090			86	69	74	57	7	VR	29.88	29.99													
15	BKN	060			84	69	74	61	12	16	29.81	29.93													
18	SCT	NC			81	70	74	69	9	16	29.80	29.92													
21	CLR	NC			77	72	74	85	6	17	29.84	29.96													
24	FEW	NC			75	70	72	84	6	17	29.84	29.96													

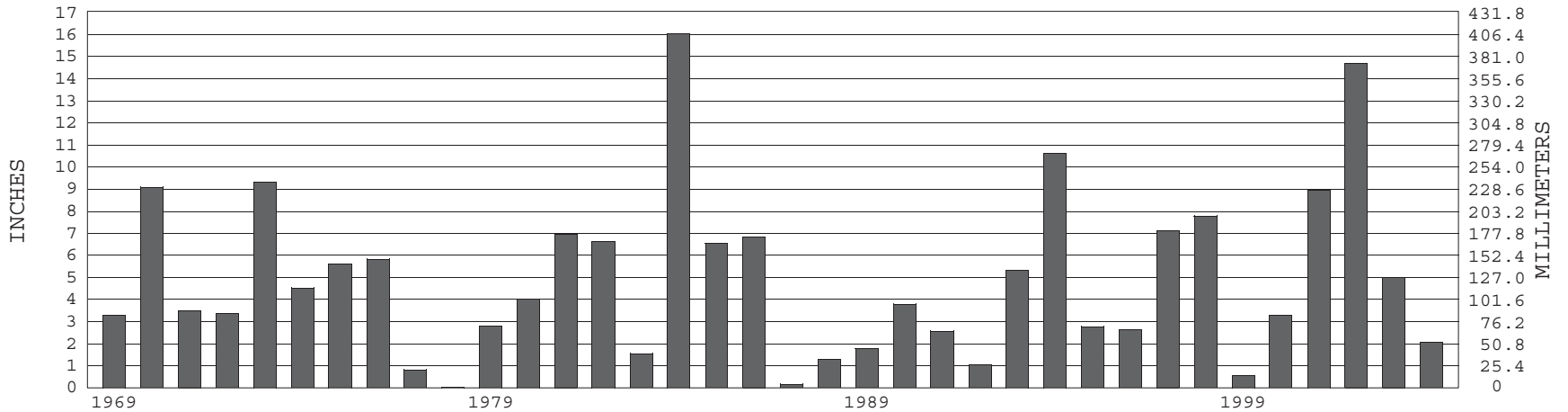
HOUSTON, TX OCTOBER TEMPERATURES



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

Long-Term (1969-2004) Mean: 70.3 1971-2000 Normal: 70.4

HOUSTON, TX OCTOBER PRECIPITATION



Long-Term (1969-2004) Mean Monthly Total: 4.95

1971-2000 Normal: 4.50



OCTOBER 2004

HOUSTON, TX

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

I certify that this is an official publication of the National Oceanic and Atmospheric Administration (NOAA). It is compiled using information from weather observing sites operated by NOAA – National Weather Service / Department Of Transportation – Federal Aviation Administration and received at the National Climatic Data Center (NCDC), Asheville, North Carolina 28801.

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