



SEPTEMBER 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

SEPTEMBER 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	90	65	78	-4	61	67	0	13		0		0.0	0.00	29.97	30.08	2.5	03	4.1	17	01	13	02	01
02	86	71	79	-3	68	71	0	14	RA BR	0		0.0	0.47	29.88	29.99	3.0	02	5.2	25	08	21	09	02
03	82	71	77*	-5	72	73	0	12	RA BR	0		0.0	0.38	29.85	29.96	6.1	10	7.2	23	14	18	13	03
04	91	74	83	1	74	76	0	18	RA	0		0.0	T	29.85	29.96	2.5	10	4.0	18	14	17	15	04
05	93	74	84	2	74	77	0	19	BR	0		0.0	0.00	29.79	29.90	2.1	12	4.8	15	15	13	17	05
06	95	75	85	4	73	76	0	20	RA	0		0.0	T	29.74	29.85	3.9	33	4.2	28	34	24	34	06
07	87	74	81	0	69	72	0	16		0		0.0	0.00	29.77	29.89	7.7	34	8.0	17	36	15	36	07
08	88	70	79	-1	62	68	0	14		0		0.0	0.00	29.83	29.95	6.8	02	7.4			15	33	08
09	90	67	79	-1	62	68	0	14		0		0.0	0.00	29.88	30.00	5.3	02	6.0			10	02	09
10	94	70	82	2	67	72	0	17		0		0.0	0.00	29.92	30.03	3.0	04	4.2	15	04	12	03	10
11	94	74	84	4	69	74	0	19	BR HZ	0		0.0	0.00	29.90	30.01	1.8	35	3.6	14	34	12	35	11
12	94	71	83	3	68	73	0	18		0		0.0	0.00	29.84	29.96	3.9	08	6.0	24	06	16	14	12
13	92	74	83	4	74	76	0	18	RA	0		0.0	T	29.79	29.90	8.0	08	8.7	25	09	22	09	13
14	90	75	83	4	75	76	0	18	TS RA	0		0.0	0.08	29.74	29.85	6.0	10	7.7	30*	10	26*	10	14
15	94	75	85	6	71	75	0	20		0		0.0	0.00	29.68	29.80	4.0	03	5.7	14	03	12	03	15
16	96	73	85	6	69	74	0	20		0		0.0	0.00	29.72	29.83	3.2	35	4.7	18	33	15	33	16
17	98*	74	86*	7	70	75	0	21		0		0.0	0.00	29.81	29.92	1.9	15	3.3	14	14	13	15	17
18	95	74	85	7	71	75	0	20		0		0.0	0.00	29.87	29.98	2.1	14	3.4	17	14	15	07	18
19	95	70	83	5	62	69	0	18		0		0.0	0.00	29.88	29.99	4.4	05	5.3	18	02	15	04	19
20	92	66	79	1	64	69	0	14		0		0.0	0.00	29.86	29.98	6.4	11	8.1	22	13	18	12	20
21	90	71	81	3	66	71	0	16	RA	0		0.0	0.05	29.90	30.02	9.2	10	10.0	24	11	20	09	21
22	90	70	80	3	68	71	0	15	RA	0		0.0	0.03	29.90	30.02	9.8	10	10.7	22	11	17	10	22
23	93	70	82	5	68	71	0	17		0		0.0	0.00	29.87	29.99	8.2	03	9.2	24	07	21	07	23
24	88	73	81	4	69	71	0	16		0		0.0	0.00	29.86	29.98	7.4	34	8.9	24	36	21	36	24
25	88	73	81	4	69	72	0	16	RA	0		0.0	T	29.88	30.00	8.6	06	9.8	20	05	16	13	25
26	91	69	80	4	66	70	0	15	BR HZ	0		0.0	0.00	29.84	29.96	5.3	03	6.3	21	04	18	05	26
27	91	68	80	4	59	66	0	15		0		0.0	0.00	29.83	29.94	4.6	02	5.2	21	07	15	02	27
28	93	69	81	5	58	66	0	16		0		0.0	0.00	29.87	29.99	3.1	34	4.1	17	33	13	29	28
29	91	64*	78	2	57	65	0	13		0		0.0	0.00	29.87	29.99	2.5	03	5.0	20	04	16	03	29
30	90	65	78	3	59	66	0	13		0		0.0	0.00	29.85	29.96	2.5	09	4.3	14	13	12	13	30
< MONTHLY AVERAGES										TOTALS->										<- MONTHLY AVERAGES			
2.1										2.6		2.3								<- DEPARTURE FROM NORMAL - - - - - >			
2.1										2.6		2.3								-3.32			
DEGREE DAYS										GREATEST 24-HR PRECIPITATION: 0.85 DATE: 02-03				SEA LEVEL PRESSURE		DATE TIME							
MONTHLY										GREATEST 24-HR SNOWFALL: 0.0 DATE: :				MAXIMUM		: 30.14 01 0853							
TOTAL DEPARTURE										GREATEST SNOW DEPTH: 0 DATE: :				MINIMUM		: 29.73 15 1753							
HEATING: 0 -1										NUMBER OF DAYS WITH => MAXIMUM TEMP ≥ 90: 24				MINIMUM TEMP ≤ 32: 0		PRECIPITATION ≥ 0.01 INCH: 5							
COOLING: 495 83										MAXIMUM TEMP ≤ 32: 0				MINIMUM TEMP ≤ 0: 0		PRECIPITATION ≥ 0.10 INCH: 2							
SEASON TO DATE										THUNDERSTORMS: 1				HEAVY FOG: 0		SNOWFALL ≥ 1.0 INCH: 0							
TOTAL DEPARTURE										2851 244													

SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

HOUSTON, TX

SEPTEMBER 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													02												02		0.47		
03													03	T	T	T	T	T	T	0.41	0.06	T	T	T	03		0.38		
04						0.27	0.04	0.01					04												04		T		
05													05												05		0.00		
06													06												06		T		
07													07				T	T							07		0.00		
08													08												08		0.00		
09													09												09		0.00		
10													10												10		0.00		
11													11												11		0.00		
12													12												12		0.00		
13													13				T	T							13		T		
14	T	T											14										0.08	T	14		0.08		
15												T	15												15		0.00		
16													16												16		0.00		
17													17												17		0.00		
18													18												18		0.00		
19													19												19		0.00		
20													20												20		0.00		
21						T	T						21											0.05	21		0.05		
22	0.03												22												22		0.03		
23													23												23		0.00		
24													24												24		0.00		
25					T		T						25												25		T		
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		

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)												
Ending Date												
Ending Time (Hour/Min)												

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	
PR Partial	RA Rain	PY Spray	SQ Squalls
SH Shower(s)	SG Snow Grains	SA Sand	SS Sandstorm
TS Thunderstorm	SN Snow	VA Volcanic Ash	GL Glaze
VC In the Vicinity	UP Unknown Precipitation		

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

HOUSTON, TX SEPTEMBER 2004

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:

ERRATA – Aug LCD 2004 – Change Max temp day 12 to 89.
Monthly Cooling Total = 568, Dep = 5
Season Total = 2356, Dep = 161

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							.75	10.00	
03							2.00	10.00	
04							7.00	10.00	
05							5.00	10.00	
06							8.00	10.00	
07							10.00	10.00	
08							10.00	10.00	
09							10.00	10.00	
10							7.00	10.00	
11							4.00	10.00	
12							7.00	10.00	
13							6.00	10.00	
14							8.00	10.00	
15							8.00	10.00	
16							10.00	10.00	
17							10.00	10.00	
18							8.00	10.00	
19							10.00	10.00	
20							10.00	10.00	
21							8.00	10.00	
22							10.00	10.00	
23							10.00	10.00	
24							10.00	10.00	
25							7.00	10.00	
26							5.00	10.00	
27							7.00	10.00	
28							10.00	10.00	
29							9.00	10.00	
30							9.00	10.00	
MONTHLY AVGS							8.03	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 0 1 24									

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX

SEPTEMBER 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: 0559				SEP 01	SUNSET: 1844				SUNRISE: 0602				SEP 07	SUNSET: 1837															
03	SCT	NC	10.00		69	61	64	76	0	00	29.98	30.10	03	BKN	100	10.00		75	70	72	84	9	35	29.73	29.85				
06	SCT	NC	10.00		67	62	64	84	3	30	29.99	30.11	06	BKN	250	10.00		74	68	70	82	7	33	29.77	29.88				
09	BKN	250	10.00		80	64	70	58	7	05	30.03	30.14	09	OVC	250	10.00		77	66	70	69	12	35	29.80	29.92				
12	BKN	260	10.00		87	59	69	39	8	01	30.00	30.11	12	BKN	250	10.00		84	70	74	63	9	01	29.79	29.91				
15	BKN	250	10.00		88	59	70	38	0	00	29.93	30.05	15	BKN	047	10.00		84	69	74	61	13	34	29.73	29.85				
18	BKN	250	10.00		85	61	70	45	7	34	29.91	30.03	18	OVC	130	10.00		79	68	72	69	9	34	29.76	29.88				
21	BKN	130	10.00		76	63	68	64	0	00	29.93	30.05	21	BKN	100	10.00		75	67	70	76	5	33	29.79	29.91				
24	BKN	250	10.00		76	64	68	67	3	35	29.92	30.04	24	BKN	050	10.00		76	69	71	79	6	01	29.78	29.90				
SUNRISE: 0559				SEP 02	SUNSET: 1843				SUNRISE: 0602				SEP 08	SUNSET: 1836															
03	OVC	130	10.00		73	65	68	76	0	00	29.89	30.01	03	BKN	250	10.00		74	68	70	82	3	33	29.79	29.91				
06	BKN	250	10.00		73	65	68	76	5	03	29.88	30.00	06	OVC	055	10.00		74	67	69	79	8	36	29.82	29.93				
09	OVC	110	9.00		78	66	70	67	5	VR	29.92	30.04	09	OVC	110	10.00		78	63	68	60	14	03	29.87	29.98				
12	OVC	110	9.00		85	67	73	55	6	03	29.89	30.01	12	OVC	130	10.00		83	60	68	46	12	02	29.87	29.99				
15	OVC	065	9.00		84	68	73	59	8	32	29.84	29.96	15	BKN	250	10.00		86	57	68	37	8	04	29.81	29.93				
18	OVC	250	8.00	-RA	81	71	74	72	6	32	29.83	29.95	18	SCT	NC	10.00		84	56	67	38	7	02	29.79	29.91				
21	OVC	110	8.00	-RA	72	69	70	91	8	10	29.86	29.98	21	FEW	NC	10.00		75	58	65	55	5	36	29.86	29.98				
24	OVC	250	5.00	BR	73	70	71	90	3	36	29.84	29.95	24	SCT	NC	10.00		70	59	63	68	3	34	29.86	29.98				
SUNRISE: 0560				SEP 03	SUNSET: 1842				SUNRISE: 0603				SEP 09	SUNSET: 1835															
03	OVC	110	5.00	BR	74	72	73	94	5	03	29.82	29.94	03	BKN	250	10.00		69	58	62	68	3	35	29.85	29.97				
06	OVC	042	6.00	RA BR	71	69	70	94	7	13	29.86	29.97	06	BKN	110	10.00		68	58	62	70	6	34	29.87	29.99				
09	OVC	070	10.00		75	72	73	90	7	12	29.88	30.00	09	BKN	110	10.00		78	61	67	56	9	04	29.92	30.03				
12	OVC	027	10.00		80	73	75	79	9	13	29.88	30.00	12	FEW	NC	10.00		86	62	70	45	6	VR	29.90	30.02				
15	OVC	250	10.00		81	72	75	74	10	10	29.83	29.95	15	FEW	NC	10.00		89	62	71	41	8	04	29.85	29.97				
18	OVC	130	10.00		79	72	74	79	9	13	29.81	29.93	18	FEW	NC	10.00		86	63	71	46	8	04	29.84	29.96				
21	BKN	130	10.00		75	72	73	90	8	10	29.84	29.95	21	CLR	NC	10.00		79	65	70	62	5	35	29.90	30.01				
24	BKN	250	8.00		74	72	73	94	7	10	29.84	29.95	24	FEW	NC	10.00		73	65	68	76	3	36	29.91	30.02				
SUNRISE: 0600				SEP 04	SUNSET: 1841				SUNRISE: 0604				SEP 10	SUNSET: 1834															
03	BKN	250	8.00		74	73	73	97	6	10	29.84	29.96	03	FEW	NC	10.00		71	63	66	76	0	00	29.89	30.01				
06	BKN	120	8.00		75	73	74	94	5	02	29.86	29.98	06	CLR	NC	10.00		70	63	66	79	3	35	29.92	30.04				
09	OVC	130	7.00		78	75	76	90	6	04	29.90	30.01	09	FEW	NC	10.00		81	67	72	62	6	07	29.96	30.08				
12	BKN	130	10.00		88	74	78	63	0	00	29.88	29.99	12	CLR	NC	10.00		90	68	75	49	8	05	29.94	30.06				
15	BKN	250	10.00		91	72	78	54	8	12	29.81	29.92	15	SCT	NC	10.00		92	67	75	44	7	01	29.88	30.00				
18	BKN	250	10.00		84	74	77	72	8	14	29.80	29.92	18	SCT	NC	10.00		88	69	75	54	9	05	29.87	29.99				
21	BKN	250	10.00		78	75	76	90	0	00	29.83	29.95	21	FEW	NC	8.00		81	71	74	72	3	18	29.92	30.04				
24	SCT	NC	10.00		76	75	75	97	0	00	29.83	29.95	24	SCT	NC	8.00		76	72	73	88	0	00	29.92	30.03				
SUNRISE: 0601				SEP 05	SUNSET: 1840				SUNRISE: 0604				SEP 11	SUNSET: 1832															
03	SCT	NC	8.00		75	74	74	96	0	00	29.81	29.93	03	FEW	NC	6.00	BR	74	72	73	94	0	00	29.89	30.01				
06	FEW	NC	7.00		74	73	73	97	3	36	29.82	29.94	06	SCT	NC	6.00	BR	74	71	72	91	3	33	29.92	30.03				
09	SCT	NC	10.00		83	76	78	79	6	06	29.84	29.95	09	SCT	NC	8.00		83	69	74	63	5	VR	29.95	30.07				
12	BKN	030	10.00		89	74	78	61	3	18	29.81	29.93	12	BKN	100	10.00		88	69	75	54	7	04	29.93	30.05				
15	SCT	NC	10.00		91	73	78	56	9	12	29.75	29.86	15	SCT	NC	10.00		93	63	73	37	5	VR	29.85	29.96				
18	BKN	250	10.00		87	75	78	67	9	16	29.73	29.84	18	BKN	100	10.00		89	67	74	48	9	31	29.83	29.95				
21	SCT	NC	10.00		82	74	76	77	3	22	29.75	29.87	21	BKN	140	9.00		82	71	75	69	3	33	29.87	29.98				
24	FEW	NC	10.00		78	74	75	87	0	00	29.76	29.87	24	BKN	095	9.00		78	70	73	76	5	36	29.87	29.98				
SUNRISE: 0601				SEP 06	SUNSET: 1838				SUNRISE: 0605				SEP 12	SUNSET: 1831															
03	CLR	NC	10.00		76	74	75	94	0	00	29.74	29.86	03	BKN	100	9.00		76	67	70	74	0	00	29.85	29.97				
06	FEW	NC	10.00		76	74	75	94	5	30	29.75	29.87	06	FEW	NC	8.00		72	66	68	82	5	01	29.86	29.97				
09	SCT	NC	10.00		84	75	78	74	3	31	29.77	29.88	09	FEW	NC	9.00		84	69	74	61	5	04	29.89	30.00				
12	SCT	NC	10.00		91	71	77	52	0	00	29.74	29.86	12	SCT	NC	10.00		92	64	73	40	12	04	29.86	29.98				
15	SCT	NC	10.00		95	69	77	43	6	33	29.67	29.78	15	FEW	NC	10.00		93	62	73	36	6	VR	29.79	29.91				
18	BKN	120	10.00		83	72	75	70	8	36	29.69	29.81	18	FEW	NC	10.00		88	63	72	43	9	11	29.79	29.90				
21	BKN	250	10.00		80	74	76	82	6	35	29.74	29.85	21	BKN	095	10.00		82	74	76	77	6	10	29.83	29.95				
24	SCT	NC	10.00		77	72	74	85	8	33	29.75	29.86	24	BKN	250	10.00		78	74	75	87	8	10	29.84	29.96				

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX

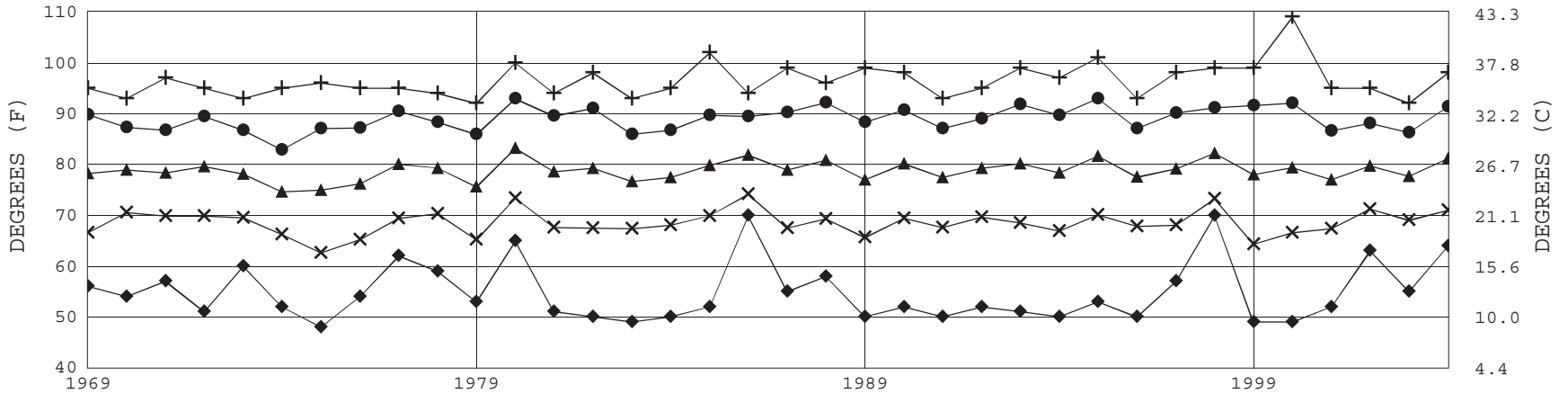
SEPTEMBER 2004

IAH

WBAN # 12960

HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		OBSERVATION TIME (LST)	EFF CLD AMT Okta	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		OBSERVATION TIME (LST)	EFF CLD AMT Okta	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)			
	SKY COVER	OKTA		DRY BULB	DEW POINT					WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL	HOUR (LST)	SKY COVER		OKTA	DRY BULB		DEW POINT	WET BULB					RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL					
																																	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)
SUNRISE: 0605										SEP 13		SUNSET: 1830						SUNRISE: 0608										SEP 19		SUNSET: 1822							
03	SCT	NC						10.00		75	73	74	94	7	05	29.81	29.92	03	BKN	250								10.00		74	70	71	88	3	03	29.89	30.00
06	FEW	NC						10.00		75	72	73	90	7	05	29.80	29.92	06	SCT	NC							10.00		72	68	69	87	3	36	29.91	30.02	
09	SCT	NC						10.00		82	73	76	74	6	07	29.82	29.94	09	SCT	NC							10.00		82	66	71	58	6	04	29.95	30.06	
12	BKN	250						10.00		90	73	78	58	9	08	29.80	29.91	12	SCT	NC							10.00		91	63	72	39	8	08	29.92	30.04	
15	BKN	037						10.00		85	74	77	70	17	08	29.74	29.86	15	FEW	NC							10.00		94	54	69	26	12	04	29.83	29.95	
18																		18	SCT	NC							10.00		89	51	66	27	9	05	29.81	29.92	
21	SCT	NC						9.00		77	74	75	90	7	10	29.76	29.88	21	CLR	NC							10.00		75	57	64	54	0	00	29.84	29.96	
24	SCT	NC						10.00		77	75	76	94	6	19	29.77	29.88	24	FEW	NC							10.00		72	64	67	76	0	00	29.85	29.97	
SUNRISE: 0606										SEP 14		SUNSET: 1829						SUNRISE: 0609										SEP 20		SUNSET: 1821							
03	SCT	NC						9.00		76	74	75	94	3	04	29.75	29.86	03	CLR	NC							10.00		68	63	65	84	5	04	29.84	29.96	
06	SCT	NC						10.00		75	74	74	96	0	00	29.75	29.87	06	FEW	NC							10.00		66	60	62	81	0	00	29.85	29.97	
09	SCT	NC						10.00		82	76	78	82	9	10	29.77	29.89	09	FEW	NC							10.00		81	65	71	58	13	09	29.90	30.01	
12	BKN	060						10.00		85	75	78	72	9	03	29.74	29.85	12	FEW	NC							10.00		88	61	71	40	10	13	29.89	30.01	
15	SCT	NC						10.00		80	76	77	87	8	12	29.70	29.81	15	BKN	065							10.00		89	67	74	48	15	13	29.84	29.96	
18	BKN	130						10.00		83	75	77	77	14	14	29.69	29.81	18	SCT	NC							10.00		83	66	72	57	17	14	29.82	29.94	
21	BKN	250						10.00		81	75	77	82	8	14	29.72	29.83	21	FEW	NC							10.00		76	67	70	74	7	11	29.87	29.99	
24	BKN	250						10.00		77	74	75	90	7	08	29.72	29.83	24	SCT	NC							10.00		73	69	70	87	6	09	29.88	29.99	
SUNRISE: 0606										SEP 15		SUNSET: 1827						SUNRISE: 0609										SEP 21		SUNSET: 1820							
03	SCT	NC						9.00		75	74	74	96	5	02	29.70	29.82	03	BKN	075							10.00		73	70	71	90	0	00	29.87	29.98	
06	SCT	NC						9.00		76	73	74	91	7	04	29.71	29.83	06	BKN	055							10.00		73	70	71	90	9	08	29.90	30.02	
09	SCT	NC						10.00		82	74	76	77	8	07	29.73	29.85	09	SCT	NC							10.00		81	68	72	65	15	10	29.95	30.07	
12	SCT	NC						10.00		89	72	77	57	6	VR	29.70	29.82	12	SCT	NC							10.00		87	63	71	45	16	11	29.92	30.04	
15	SCT	NC						10.00		93	68	76	44	8	02	29.64	29.75	15	SCT	NC							10.00		89	60	70	38	12	12	29.87	29.99	
18	SCT	NC						10.00		90	67	74	47	6	03	29.62	29.73	18	SCT	NC							10.00		82	64	70	55	14	12	29.88	29.99	
21	CLR	NC						10.00		83	70	74	65	5	32	29.65	29.77	21	FEW	NC							10.00		74	64	68	71	8	11	29.90	30.01	
24	SCT	NC						10.00		79	70	73	74	0	00	29.67	29.79	24	OVC	043							8.00	-RA	75	70	72	84	3	05	29.93	30.04	
SUNRISE: 0607										SEP 16		SUNSET: 1826						SUNRISE: 0610										SEP 22		SUNSET: 1819							
03	FEW	NC						10.00		77	69	72	77	3	32	29.68	29.79	03	FEW	NC							10.00		74	69	71	85	9	06	29.89	30.01	
06	FEW	NC						10.00		75	69	71	82	3	32	29.72	29.83	06	SCT	NC							10.00		70	68	69	93	7	07	29.92	30.04	
09	FEW	NC						10.00		85	70	75	61	5	33	29.77	29.88	09	BKN	250							10.00		77	68	71	74	15	09	29.95	30.07	
12	SCT	NC						10.00		92	69	76	47	10	35	29.74	29.86	12	BKN	250							10.00		86	66	73	51	12	09	29.92	30.04	
15	SCT	NC						10.00		96	67	76	39	8	36	29.68	29.80	15	BKN	250							10.00		90	63	72	41	14	11	29.87	29.98	
18	SCT	NC						10.00		93	66	75	41	6	01	29.69	29.81	18	SCT	NC							10.00		83	68	73	61	14	15	29.85	29.97	
21	SCT	NC						10.00		82	69	73	65	0	00	29.74	29.85	21	FEW	NC							10.00		74	68	70	82	6	12	29.89	30.01	
24	CLR	NC						10.00		77	70	72	79	0	00	29.75	29.86	24	FEW	NC							10.00		71	68	69	90	8	09	29.88	30.00	
SUNRISE: 0607										SEP 17		SUNSET: 1825						SUNRISE: 0611										SEP 23		SUNSET: 1817							
03	CLR	NC						10.00		78	71	73	79	0	00	29.76	29.87	03	FEW	NC							10.00		71	68	69	90	0	00	29.85	29.97	
06	FEW	NC						10.00		75	72	73	90	0	00	29.80	29.91	06	BKN	022							10.00		72	67	69	84	6	02	29.90	30.01	
09	FEW	NC						10.00		87	71	76	59	6	VR	29.85	29.96	09	SCT	NC							10.00		80	66	71	62	7	04	29.93	30.04	
12	SCT	NC						10.00		94	68	76	43	6	VR	29.83	29.95	12	BKN	037							10.00		87	68	74	53	13	04	29.90	30.02	
15	SCT	NC						10.00		96	64	74	35	7	15	29.79	29.90	15	BKN	045							10.00		92	67	75	44	10	01	29.82	29.93	
18	SCT	NC						10.00		91	66	74	44	10	15	29.79	29.91	18	BKN	095							10.00		83	68	73	61	20	03	29.84	29.96	
21	FEW	NC						10.00		85	69	74	59	3	19	29.84	29.96	21	SCT	NC							10.00		77	68	71	74	12	04	29.88	29.99	
24	CLR	NC						10.00		79	73	75	82	0	00	29.83	29.95	24	SCT	NC							10.00		74	68	70	82	8	33	29.85	29.97	
SUNRISE: 0608										SEP 18		SUNSET: 1824						SUNRISE: 0611										SEP 24		SUNSET: 1816							
03	CLR	NC						9.00		76	73	74	91	0	00	29.82	29.93	03	OVC	017							10.00		74	69	71	85	8	29	29.84	29.96	
06	BKN	065						8.00		75	73	74	94	0	00	29.86	29.98	06	OVC	015							10.00		73	69	70	87	7	30	29.85	29.97	
09	BKN	250						9.00		84	75	78	74	5	23	29.89	30.01	09	OVC	022							10.00		76	70	72	82	5	30	29.89	30.01	
12	SCT	NC						10.00		92	72	78	52	3	VR	29.90	30.01	12	BKN	024							10.00		83	70	74	65	5	30	29.88	29.99	
15	SCT	NC						10.00		94	70	77	46	9	11	29.84	29.95	15	O																		

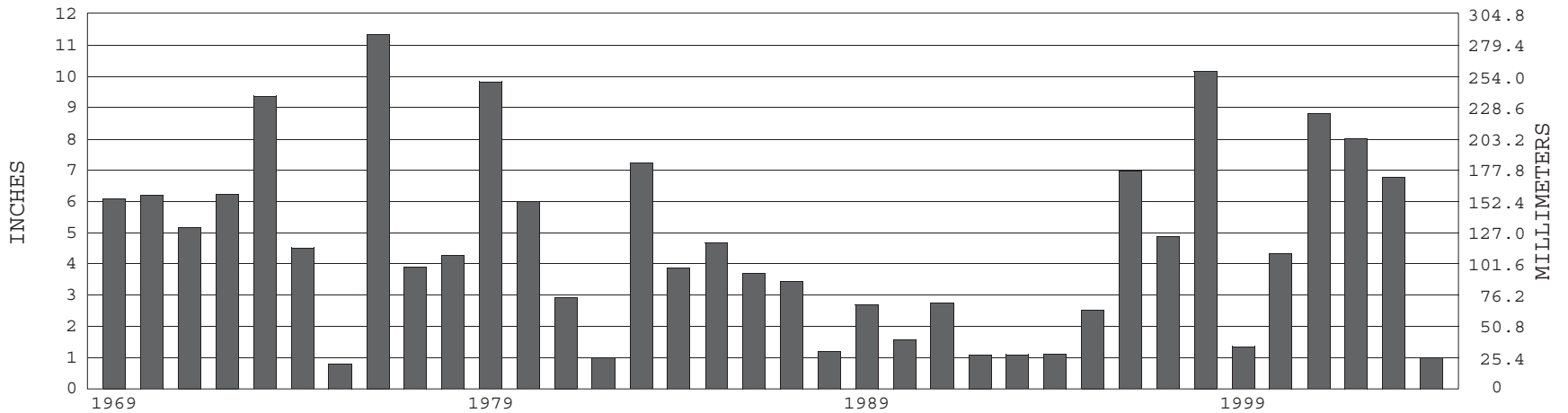
HOUSTON, TX SEPTEMBER TEMPERATURES



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

Long-Term (1969-2004) Mean: 78.8 1971-2000 Normal: 78.9

HOUSTON, TX SEPTEMBER PRECIPITATION



Long-Term (1969-2004) Mean Monthly Total: 4.64

1971-2000 Normal: 4.33



SEPTEMBER 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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