



AUGUST 2006 LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

HOUSTON, TX
G BUSH INTERCONTINENTAL AP/HOUSTON AP (KIAH)
Lat:29° 59'N Long: 95° 21'W Elev (Ground) 94 Feet
Time Zone : CENTRAL WBAN: 12960 ISSN#: 0198-5094



AUGUST 2006
HOUSTON, TX

Date 1	Temperature °F						Deg Days BASE 65°		WEATHER 10	SNOW/ICE ON GND(IN)		PRECIPITATION ON GND(IN)		PRESSURE (INCHES OF HG)		WIND SPEED = MPH DIR = TENS OF DEGREES								Date 24
	MAXIMUM 2	MINIMUM 3	AVERAGE 4	DEP FROM NORMAL 5	AVERAGE DEW PT 6	AVERAGE WET BULB 7	HEATING 8	COOLING 9		0600 LST 11	1200 LST 12	2400 LST 13	2400 LST 14	AVERAGE STATION 15	AVERAGE SEA LEVEL 16	RESULTANT SPEED 17	RES DIR 18	AVERAGE SPEED 19	MAXIMUM					
																			5-SEC		2-MIN			
01	92	77	85	1	74	77	0	20	TS TSRA RA	0		0.0	T	29.90	30.00	6.4	17	6.9	23	21	20	16	01	
02	93	75	84	0	72	76	0	19	BR	0		0.0	0.00	29.90	30.01	8.1	15	8.5	24	12	21	14	02	
03	93	73	83	-1	74	76	0	18	TS TSRA RA	0		0.0	0.04	29.90	30.01	5.1	15	6.1	20	15	16	13	03	
04	95	74	85	1	73	76	0	20	BR	0		0.0	0.00	29.88	30.00	3.8	13	4.9	22	10	20	10	04	
05	95	75	85	1	73	77	0	20	RA BR	0		0.0	T	29.84	29.96	1.9	13	4.2	24	08	22	09	05	
06	94	74	84	0	73	76	0	19	RA	0		0.0	0.46	29.87	29.97	1.8	09	5.5	32	12	28	13	06	
07	90	77	84	0	74	76	0	19	TS RA	0		0.0	0.41	29.97	30.07	2.2	13	4.7	21	08	17	06	07	
08	92	76	84	0	75	77	0	19	TS TSRA RA	0		0.0	0.35	29.97	30.09	2.5	10	5.5	26	08	23	09	08	
09	93	76	85	1	74	77	0	20		0		0.0	0.00	29.93	30.04	2.7	13	4.2	17	13	14	13	09	
10	95	75	85	1	74	76	0	20	TS RA	0		0.0	0.11	29.84	29.97	2.9	19	4.8	30	08	25	09	10	
11	94	76	85	1	74	77	0	20		0		0.0	0.00	29.77	29.89	5.1	17	6.2	22	16	18	16	11	
12	92	76	84	0	73	76	0	19		0		0.0	0.00	29.79	29.90	4.6	19	5.5	16	17	13	18	12	
13	95	74	85	1	72	76	0	20		0		0.0	0.00	29.86	29.96	6.4	17	6.8	18	16	15	16	13	
14	96	75	86	2	73	77	0	21		0		0.0	0.00	29.88	30.00	4.3	17	5.8	17	13	15	13	14	
15	98	76	87	3	73	77	0	22	MIFG	0		0.0	0.00	29.86	29.98	2.7	19	5.3	18	13	15	12	15	
16	97	79	88	5	75	78	0	23		0		0.0	0.00	29.86	29.99	2.3	16	4.7	16	11	14	11	16	
17	98*	78	88	5	74	78	0	23		0		0.0	0.00	29.85	29.97	1.3	12	3.0	10	12	8	12	17	
18	96	79	88*	5	73	77	0	23	BR HZ	0		0.0	0.00	29.83	29.95	3.5	11	5.1	20	09	17	10	18	
19	93	78	86	3	75	77	0	21	TS TSRA RA HZ	0		0.0	0.16	29.82	29.93	3.7	09	5.8	28	08	23	08	19	
20	95	76	86	3	74	77	0	21		0		0.0	0.00	29.84	29.95	2.7	14	3.6	20	15	16	15	20	
21	96	77	87	4	73	77	0	22		0		0.0	0.00	29.90	30.01	4.2	12	5.8	17	13	14	13	21	
22	95	74	85	2	73	76	0	20	TS TSRA RA BR	0		0.0	1.01	29.95	30.05	1.7	08	4.2	39*	01	35*	01	22	
23	92	74	83	0	74	76	0	18	TS TSRA RA BR HZ	0		0.0	0.08	29.87	30.00	2.0	13	4.0	32	11	29	11	23	
24	95	74	85	2	73	77	0	20	BR	0		0.0	0.00	29.76	29.88	2.8	18	4.0	21	15	18	15	24	
25	94	77	86	4	75	78	0	21		0		0.0	0.00	29.74	29.85	4.3	18	5.6	18	13	16	13	25	
26	89	78	84	2	75	77	0	19	TSRA RA	0		0.0	0.30	29.78	29.89	4.0	17	5.6	24	24	20	25	26	
27	93	79	86	4	75	78	0	21	TSRA RA	0		0.0	0.48	29.82	29.93	2.9	17	4.0	31	25	25	25	27	
28	95	77	86	4	74	78	0	21		0		0.0	0.00	29.82	29.93	4.9	20	5.8	18	15	15	15	28	
29	96	78	87	5	72	76	0	22		0		0.0	0.00	29.82	29.93	4.9	30	6.0	17	30	15	30	29	
30	93	72	83	1	63	70	0	18		0		0.0	0.00	29.82	29.93	4.4	01	6.3	17	01	15	01	30	
31	94	68*	81*	-1	63	70	0	16		0		0.0	0.00	29.83	29.94	2.3	12	4.3	12	14	10	13	31	
94.1		75.7	84.9	☼	73.0	76.4	0.0	20.2	< MONTHLY AVERAGES TOTALS >		0.0	3.40	29.85	29.97	2.6	15	5.2	< MONTHLY AVERAGES						
0.6		2.7	1.6		-----DEPARTURE FROM NORMAL ----->							-0.43	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3											
DEGREE DAYS									GREATEST 24-HR PRECIPITATION : 1.09 DATE : 22-23				SEA LEVEL PRESSURE				DATE TIME							
MONTHLY				SEASON TO DATE					GREATEST 24-HR SNOWFALL : 0.0 DATE :				MAXIMUM : 30.14 08 1022											
TOTAL DEPARTURE				TOTAL DEPARTURE					GREATEST SNOW DEPTH : 0 DATE :				MINIMUM : 29.80 25 1851											
HEATING :		0 0		0 0		0 0		NUMBER OF ->		MAXIMUM TEMP >= 90 : 30		MINIMUM TEMP <= 32 : 0		PRECIPITATION >= 0.01 INCH : 10										
COOLING :		625 62		2489 294				DAYS WITH		MAXIMUM TEMP <= 32 : 0		MINIMUM TEMP <= 0 : 0		PRECIPITATION >= 0.10 INCH : 8										
										THUNDERSTORMS : 10		HEAVY FOG : 0		SNOWFALL >= 1.0 INCH : 0										

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

HOUSTON, TX (KIAH)
AUGUST 2006

WBAN # 12960

Date	FOR HOUR (LST) ENDING AT												Date	FOR HOUR (LST) ENDING AT												Date	Sum of Hourly Data	2400 LST Water Equiv.
	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												T	T	01	T	T	T									01	T	T
02														02												02	0.00	0.00
03														03	0.02	0.02									03	0.04	0.04	
04														04											04	0.00	0.00	
05														05										T	05	T	T	
06														06											06	0.46	0.46	
07														07		T			0.09	0.30				07	0.41	0.41		
08														08			0.35	T						08	0.35	0.35		
09														09		T								09	0.00	0.00		
10														10			0.11	T						10	0.11	0.11		
11														11											11	0.00	0.00	
12														12											12	0.00	0.00	
13														13											13	0.00	0.00	
14														14											14	0.00	0.00	
15														15											15	0.00	0.00	
16														16											16	0.00	0.00	
17														17											17	0.00	0.00	
18														18											18	0.00	0.00	
19														19			0.16	T	T	T				19	0.16	0.16		
20														20										20	0.00	0.00		
21														21										21	0.00	0.00		
22														22	0.01	0.07	T				T	0.95	0.03	0.03	T	22	1.01	1.01
23														23											23	0.08	0.08	
24														24											24	0.00	0.00	
25														25											25	0.00	0.00	
26														26	T	T									26	0.30	0.30	
27				T	T									27											27	0.48	0.48	
28														28											28	0.00	0.00	
29														29											29	0.00	0.00	
30														30											30	0.00	0.00	
31														31											31	0.00	0.00	

* Indicates sum of Hourly and Daily disagree.

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	0.35	0.46	0.54	0.69	0.86	0.94	0.95	0.97	0.98	0.99	1.00	1.01
Ending Date	27	27	22	22	22	22	22	22	22	22	22	22
Ending Time (Hr/Min)	1139	1144	1926	1926	1934	1947	1959	2018	2035	2101	2128	2154

Note : The hourly and daily precipitation totals are printed in the last 2 columns and hi-lighted in red when they disagree. 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.

Date and time are not entered for TRACE amounts.

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		
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	
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 Unkown Precipitation		

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

HOUSTON, TX AUGUST 2006

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	
			Sky Cover	Satellite	Sky Cover	Satellite			
01							2.00	10.00	
02							6.00	10.00	
03							7.00	10.00	
04							6.00	10.00	
05							6.00	10.00	
06							10.00	10.00	
07							6.00	10.00	
08							7.00	10.00	
09							9.00	10.00	
10							9.00	10.00	
11							10.00	10.00	
12							10.00	10.00	
13							9.00	10.00	
14							8.00	10.00	
15							8.00	10.00	
16							7.00	10.00	
17							10.00	10.00	
18							6.00	10.00	
19							6.00	10.00	
20							7.00	10.00	
21							7.00	10.00	
22							4.00	10.00	
23							1.75	10.00	
24							5.00	10.00	
25							10.00	10.00	
26							10.00	10.00	
27							8.00	10.00	
28							7.00	10.00	
29							7.00	10.00	
30							10.00	10.00	
31							10.00	10.00	
MONTHLY AVGS							7.38	10.00	
SUNSHINE (Minutes)									
Total :					Possible :				
Percent Possible :									
NUMBER OF DAYS WITH :									
SKY CONDITION									
Clear		Partly CLDY			Cloudy			Missing	
MINIMUM VISIBILITY (MILES)									
<= .25		<= 3.0			>= 7.0				
0		2			21				

OBSERVATIONS AT 3-HOURLY INTERVALS

**HOUSTON, TX
AUGUST 2006**

KIAH

WBAN # 12960

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND	PRESSURE (INCHES, HG)									
			Observation Time (LST)	Eff Clد Amt Oktas		DRY BULB	DEW POINT	WET BULB		RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL					
SUNRISE: 0553 AUG 25 SUNSET: 1852						03	SCT	250			10.00	80	74	76	82	3	19	29.75	29.85
06	BKN	250				10.00	77	74	75	91	0	00	29.77	29.88					
09	BKN	250				10.00	88	76	79	68	5	22	29.78	29.88					
12	BKN	250				10.00	91	73	78	56	6	25	29.75	29.86					
15	SCT	130				10.00	86	75	78	70	14	13	29.72	29.82					
18	BKN	250				10.00	88	74	78	63	10	16	29.71	29.81					
21	BKN	250				10.00	84	75	78	74	6	17	29.73	29.84					
24	SCT	250				10.00	82	76	78	82	3	16	29.77	29.87					
SUNRISE: 0554 AUG 26 SUNSET: 1850						03	SCT	250			10.00	81	76	77	85	0	00	29.75	29.85
06	BKN	250				10.00	78	75	76	91	3	18	29.77	29.88					
09	BKN	250				10.00	86	76	79	72	7	25	29.81	29.92					
12	BKN	250				10.00	85	73	77	67	6	11	29.80	29.91					
15	BKN	130				10.00	87	74	78	65	6	29	29.79	29.89					
18	BKN	250				10.00	85	72	76	65	7	18	29.77	29.88					
21	FEW	250				10.00	83	75	77	77	10	17	29.78	29.89					
24	SCT	250				10.00	81	76	77	85	6	16	29.80	29.91					
SUNRISE: 0554 AUG 27 SUNSET: 1849						03	SCT	250			10.00	79	76	77	91	0	00	29.81	29.91
06	BKN	250				10.00	79	76	77	91	0	00	29.82	29.93					
09	BKN	250				10.00	87	76	79	70	8	20	29.87	29.97					
12	BKN	035			-TSRA	10.00	86	72	76	63	7	24	29.86	29.97					
15	OVC	250				10.00	88	73	77	61	0	00	29.81	29.92					
18	BKN	250				10.00	86	76	79	72	9	12	29.77	29.88					
21	BKN	250				10.00	83	74	77	74	6	17	29.82	29.93					
24	BKN	250				9.00	82	75	77	79	6	18	29.83	29.93					
SUNRISE: 0555 AUG 28 SUNSET: 1848						03	SCT	250			8.00	81	75	77	82	3	20	29.82	29.93
06	BKN	250				7.00	77	75	76	94	0	00	29.84	29.94					
09	BKN	250				10.00	86	76	79	72	8	22	29.85	29.96					
12	BKN	250				10.00	92	73	78	54	6	25	29.85	29.96					
15	OVC	250				10.00	90	73	78	57	14	17	29.80	29.90					
18	BKN	250				10.00	86	72	76	63	8	18	29.78	29.89					
21	SCT	250				10.00	84	75	78	74	3	VR	29.84	29.94					
24	SCT	250				10.00	82	76	78	82	5	23	29.84	29.94					
SUNRISE: 0556 AUG 29 SUNSET: 1847						03	SCT	250			9.00	80	75	77	85	5	25	29.83	29.93
06	BKN	250				7.00	79	74	76	85	3	25	29.84	29.95					
09	BKN	250				10.00	85	73	77	67	6	30	29.88	29.98					
12	BKN	250				10.00	90	72	77	56	6	27	29.86	29.96					
15	BKN	250				10.00	95	71	78	46	3	VR	29.79	29.89					
18	BKN	250				10.00	88	69	75	53	3	30	29.78	29.88					
21	SCT	250				10.00	85	69	74	59	8	30	29.81	29.92					
24	BKN	250				10.00	82	68	73	63	7	33	29.83	29.93					
SUNRISE: 0556 AUG 30 SUNSET: 1846						03	SCT	250			10.00	79	67	71	67	5	34	29.82	29.93
06	BKN	250				10.00	75	65	69	71	6	36	29.87	29.97					
09	SCT	250				10.00	81	61	68	51	12	01	29.89	30.00					
12	SCT	250				10.00	87	61	70	42	9	35	29.87	29.97					
15	SCT	250				10.00	93	59	71	32	8	35	29.79	29.90					
18	FEW	150				10.00	90	59	70	35	5	06	29.75	29.85					
21	CLR	NC				10.00	77	63	68	62	3	15	29.80	29.91					
24	CLR	NC				10.00	74	65	68	74	5	08	29.83	29.93					

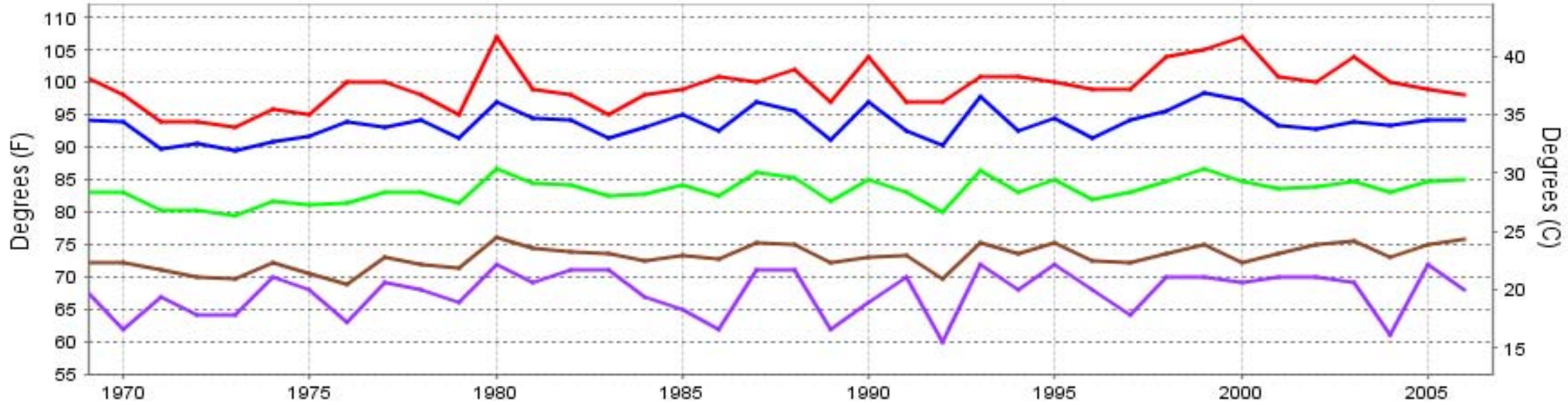
HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND	PRESSURE (INCHES, HG)									
			Observation Time (LST)	Eff Clد Amt Oktas		DRY BULB	DEW POINT	WET BULB		RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL					
SUNRISE: 0557 AUG 31 SUNSET: 1845						03	CLR	NC			10.00	73	65	68	76	5	02	29.82	29.93
06	CLR	NC				10.00	69	63	65	81	0	00	29.84	29.95					
09	CLR	NC				10.00	82	64	70	55	8	12	29.89	30.00					
12	CLR	NC				10.00	88	59	70	38	3	VR	29.88	29.98					
15	FEW	045				10.00	92	59	71	33	6	VR	29.82	29.92					
18	FEW	040				10.00	88	64	72	45	9	10	29.79	29.90					
21	CLR	NC				10.00	81	64	70	56	5	19	29.81	29.91					
24	CLR	NC				10.00	75	66	69	74	0	00	29.85	29.95					

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, W = 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)	SPEED	DIRECTION
							STATION	SEA LEVEL				
01			80	74	76	83	29.87	29.97	9.83	4	3	17
02			79	74	75	85	29.86	29.96	9.61	3	3	18
03			78	73	75	86	29.86	29.96	9.48	2	3	18
04			78	73	75	87	29.86	29.96	9.32	2	4	19
05			77	73	74	88	29.86	29.97	9.29	2	4	17
06			77	73	74	89	29.87	29.98	8.29	2	4	17
07			79	74	76	85	29.89	29.99	8.77	3	3	16
08			83	75	77	77	29.90	30.01	9.52	5	2	18
09			86	74	78	69	29.90	30.01	9.87	6	3	20
10			87	73	78	64	29.91	30.01	9.84	5	3	21
11			89	72	77	58	29.90	30.01	9.74	6	3	18
12			90	72	77	55	29.89	29.99	10.00	5	3	21
13			91	71	77	54	29.87	29.98	9.73	7	4	13
14			92	71	77	52	29.86	29.96	10.00	7	3	15
15			91	71	77	55	29.84	29.94	10.00	8	5	12
16			90	72	77	56	29.82	29.93	9.97	8	5	11
17			90	72	77	57	29.82	29.92	9.84	10	4	11
18			88	72	77	61	29.81	29.92	9.97	9	5	11
19			85	73	77	68	29.82	29.93	9.97	9	5	11
20			83	73	76	72	29.83	29.94	9.81	7	3	12
21			82	73	76	74	29.85	29.96	9.94	6	2	14
22			81	73	76	77	29.86	29.97	9.84	5	2	18
23			80	73	75	80	29.87	29.97	9.71	4	3	16
24			79	73	75	82	29.87	29.97	9.81	3	3	17

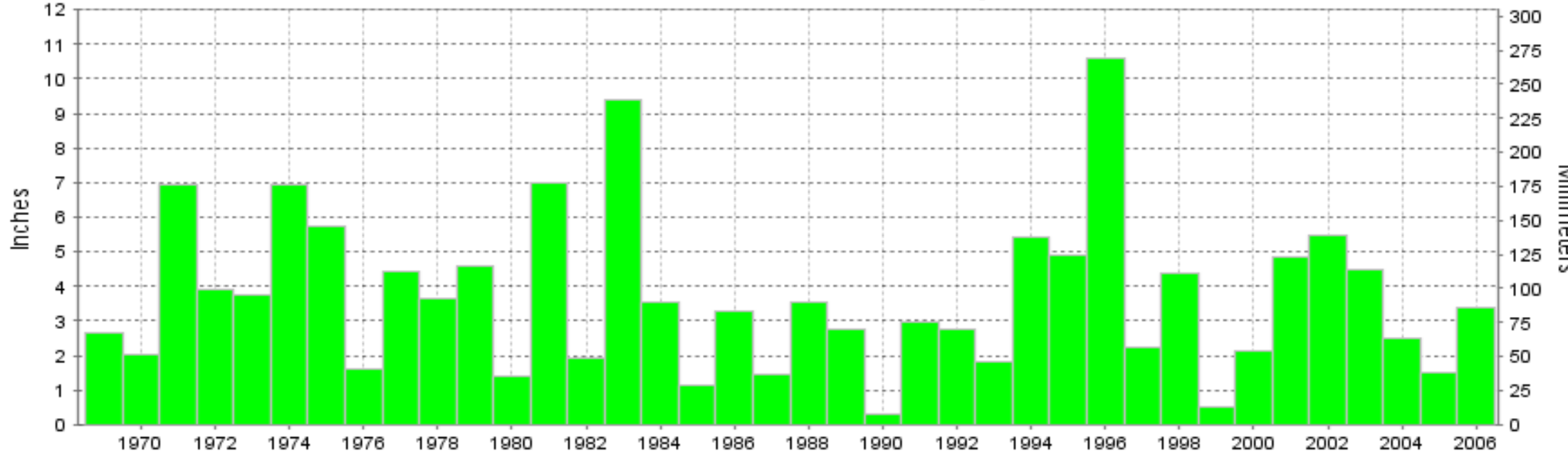
HOUSTON, TX AUGUST Temperatures



— Extreme Max — Mean Max — Mean — Mean Min — Extreme Min

Long-Term (1969-2006) Mean: 83.4
1971-2000 Normal: 83.3

HOUSTON, TX AUGUST Precipitation



Long-Term (1969-2006) Mean Monthly Total: 3.73 1971-2000 Normal: 3.83



**AUGUST 2006
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.

Thomas R. Karl
DIRECTOR

NCDC now offers an annual online subscription for the **Edited Local Climatological Data Publication**. When you purchase this subscription service, you will have **immediate online access** to all previous publications back to July 1996 and all publications thereafter until the expiration of the subscription. Your subscription is valid for one year after purchase. **The total cost for online delivery (including back issues) is significantly less than the cost for offline delivery.** To order this and other subscriptions online with your credit card, go to: **www.ncdc.noaa.gov** and choose subscriptions.

We welcome your questions or comments, please contact us at:

Toll Free Number (866) 742-3322 (voice)
Fax Number : (304) 726-4409

TDD : (828) 271-4010

or Email : ncdc.info@noaa.gov

Local Climatological Data is available at www.ncdc.noaa.gov

United States
Department of Commerce

National Oceanic and
Atmospheric Administration

National Environmental Satellite
and Data Service Administration

For address correction, please return a photocopy of this page to Subscription Services indicating changes

NCDC Subscription Services Center
310 State Route 956 Building 300
Rocket Center, WV 26726

OFFICIAL BUSINESS, PENALTY FOR PRIVATE USE \$300

**FIRST CLASS
POSTAGE AND FEES PAID
NOAA
PERMIT G-19**