



AUGUST 2002

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

HOUSTON, TX

INTERCONTINENTAL AIRPORT (IAH)
 Lat: 29°59' N Long: 95°21' W Elev (Ground): 118 Feet
 Time Zone: CENTRAL WBAN: 12960 ISSN #:0198-5094

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	97	74	86	2	73	77	0	21		0		0.0	0.00	29.86	29.97	4.3	16	5.8	20	12	16	12	01																																				
02	97	75	86	2	73	77	0	21		0		0.0	0.00	29.87	29.98	1.3	17	2.8	16	12	10	11	02																																				
03	100*	73	87	3	74	76	0	22	TS TSRA RA	0		0.0	0.83	29.89	30.00	2.9	34	6.3	45*	01	38*	02	03																																				
04	95	73	84	0	71	74	0	19	RA	0		0.0	0.01	29.90	30.01	3.1	04	4.7	35	06	24	05	04																																				
05	94	72	83	-1	71	75	0	18		0		0.0	0.00	29.87	29.98	1.0	04	3.8	17	08	13	09	05																																				
06	96	76	86	2	73	77	0	21	RA	0		0.0	T	29.83	29.94	2.2	33	4.1	15	36	12	07	06																																				
07	94	77	86	2	75	78	0	21	TS RA	0		0.0	T	29.82	29.93	4.1	04	5.8	25	05	22	05	07																																				
08	92	78	85	1	75	78	0	20	RA BR	0		0.0	T	29.87	29.98	3.9	05	6.2	16	17	14	17	08																																				
09	94	77	86	2	76	78	0	21	BR	0		0.0	0.00	29.87	29.98	5.0	12	6.2	18	13	15	10	09																																				
10	92	78	85	1	70	75	0	20		0		0.0	0.00	29.88	29.99	9.1	09	9.7	22	08	17	09	10																																				
11	94	74	84	0	73	76	0	19		0		0.0	0.00	29.86	29.97	7.2	09	9.2	21	12	17	10	11																																				
12	88	77	83	-1	76	78	0	18	TS TSRA RA	0		0.0	0.05	29.84	29.95	6.6	13	7.4	26	14	23	14	12																																				
13	88	75	82	-2	75	77	0	17	TS TSRA RA	0		0.0	0.81	29.85	29.96	7.8	16	8.3	38	15	31	14	13																																				
14	87	75	81	-3	75	76	0	16	RA	0		0.0	0.04	29.82	29.93	8.0	16	8.4	26	14	22	15	14																																				
15	76	70*	73*	-11	72	73	0	8	TSRA RA BR	0		0.0	2.74	29.86	29.97	5.6	14	7.2	23	19	20	18	15																																				
16	91	73	82	-1	77	78	0	17	TS TSRA RA	0		0.0	0.10	29.94	30.06	6.2	13	7.5	25	11	21	11	16																																				
17	92	76	84	1	78	79	0	19	RA BR	0		0.0	T	29.94	30.05	5.1	17	5.3	22	14	20	14	17																																				
18	93	77	85	2	77	79	0	20	TS TSRA RA	0		0.0	0.24	29.89	30.00	4.5	16	5.2	28	15	23	15	18																																				
19	94	77	86	3	76	78	0	21		0		0.0	0.00	29.85	29.96	4.5	16	5.4	23	14	21	14	19																																				
20	92	78	85	2	77	79	0	20	TS	0		0.0	0.00	29.88	29.99	4.8	16	5.5	23	14	21	14	20																																				
21	94	76	85	2	76	78	0	20	TS	0		0.0	0.00	29.90	30.01	4.8	14	5.7	30	13	24	12	21																																				
22	91	74	83	0	76	77	0	18	TS TSRA RA	0		0.0	0.63	29.95	30.06	1.0	18	2.6	24	04	20	05	22																																				
23	94	76	85	2	75	77	0	20	TS MIFG BR	0		0.0	0.00	29.92	30.03	2.6	18	4.3	28	14	24	14	23																																				
24	94	75	85	2	76	78	0	20		0		0.0	0.00	29.88	29.99	2.9	18	4.4	17	14	16	14	24																																				
25	95	77	86	4	76	79	0	21		0		0.0	0.00	29.87	29.98	1.8	23	3.2	16	19	14	18	25																																				
26	96	77	87*	5	74	77	0	22	RA	0		0.0	T	29.82	29.93	2.7	25	5.1	32	13	25	12	26																																				
27	91	74	83	1	73	76	0	18		0		0.0	0.00	29.83	29.94	1.8	10	5.0	25	02	22	02	27																																				
28	93	73	83	1	70	74	0	18	BR	0		0.0	0.00	29.87	29.98	3.3	05	4.7	18	11	14	09	28																																				
29	93	73	83	1	67	72	0	18	HZ	0		0.0	0.00	29.84	29.95	5.3	03	6.3	28	05	20	04	29																																				
30	92	72	82	0	71	74	0	17	RA	0		0.0	0.02	29.86	29.97	3.9	06	5.6	38	36	35	01	30																																				
31	94	74	84	2	72	76	0	19	BR HZ	0		0.0	0.00	29.92	30.03	5.3	07	6.9	22	07	17	08	31																																				
92.7										75.0		83.9		■ ■ ■		74.0		76.7		0.0		19.0		< MONTHLY AVERAGES		TOTALS->		0.0		5.47		29.87		29.98		1.1		04		5.8		<- MONTHLY AVERAGES																	
-.8										2.0		0.6		■ ■ ■		<-----DEPARTURE FROM NORMAL----->																				1.64		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3																					
DEGREE DAYS										GREATEST 24-HR PRECIPITATION: 2.76 DATE: 15-16										SEA LEVEL PRESSURE										DATE		TIME																											
MONTHLY TOTAL DEPARTURE										SEASON TO DATE TOTAL DEPARTURE										GREATEST 24-HR SNOWFALL: 0.0 DATE:										MAXIMUM										30.11		16 0853																	
HEATING: 0 0										COOLING: 590 27										GREATEST SNOW DEPTH: 0 DATE:										MINIMUM										29.85		26 1653																	
HEATING: 0 0										COOLING: 590 27										NUMBER OF DAYS WITH										MAXIMUM TEMP ≥ 90: 27										MINIMUM TEMP ≤ 32: 0										PRECIPITATION ≥ 0.01 INCH: 10									
HEATING: 0 0										COOLING: 590 27										NUMBER OF DAYS WITH										MAXIMUM TEMP ≤ 32: 0										MINIMUM TEMP ≤ 0: 0										PRECIPITATION ≥ 0.10 INCH: 6									
HEATING: 0 0										COOLING: 590 27										NUMBER OF DAYS WITH										THUNDERSTORMS: 11										HEAVY FOG: 0										SNOWFALL ≥ 1.0 INCH: 0									

AUGUST 2002
HOUSTON, TX

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

HOUSTON, TX

AUGUST 2002

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				0.01	0.80	T	0.02	T				03		0.83		
04													04				0.01	0.01							04		0.01		
05													05												05		0.00		
06													06		T										06		T		
07													07		T		T								07		T		
08													08			T									08		T		
09													09												09		0.00		
10													10												10		0.00		
11													11												11		0.00		
12	0.05												12	T											12		0.05		
13													13	0.35	0.05										13	0.80	0.81		
14													14					0.03	T	0.23					14		0.04		
15						0.31	0.36	0.20	0.13	0.19	0.51	0.58	15	0.07	0.01	0.08	0.12	0.08	0.08	0.02	0.01	T		15		2.74			
16		0.01											16	0.01	0.07									16		0.10			
17				T	0.01								17	T										17		T			
18													18			0.03	0.14	0.07	T	T				18		0.24			
19													19											19		0.00			
20													20											20		0.00			
21													21											21		0.00			
22													22											22		0.63			
23													23		0.53	0.07	T	0.01	T					23		0.00			
24													24											24		0.00			
25													25											25		0.00			
26													26											26		T			
27													27											27		0.00			
28													28											28		0.00			
29													29											29		0.00			
30													30											30		0.02			
31													31			0.02								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)	.20	.31	.35	.44	.56	.76	.81	.84	.98	1.11	1.25	1.30
Ending Date	13	13	13	03	03	03	03	15	15	15	15	15
Ending Time (Hour/Min)	1244	1248	1252	1628	1624	1638	1647	1148	1142	1200	1200	1205

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 AUGUST 2002

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							.50	10.00	
04							7.00	10.00	
05							7.00	10.00	
06							8.00	10.00	
07							10.00	10.00	
08							6.00	10.00	
09							5.00	10.00	
10							7.00	10.00	
11							10.00	10.00	
12							1.50	10.00	
13							10.00	10.00	
14							10.00	10.00	
15							2.00	10.00	
16							10.00	10.00	
17							6.00	10.00	
18							7.00	10.00	
19							10.00	10.00	
20							10.00	10.00	
21							10.00	10.00	
22							5.00	10.00	
23							10.00	10.00	
24							10.00	10.00	
25							10.00	10.00	
26							10.00	10.00	
27							10.00	10.00	
28							6.00	10.00	
29							6.00	10.00	
30							7.00	10.00	
31							4.00	10.00	
MONTHLY AVGS							7.79	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									
0 2 22									

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX

AUGUST 2002

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: 0540				AUG 01				SUNSET: 1915				SUNRISE: 0544				AUG 07				SUNSET: 1911									
03	CLR	NC			10.00	77	75	76	94	5	20	29.86	29.98	03	OVC	075			10.00	79	75	76	88	0	00	29.80	29.91		
06	SCT	NC			10.00	74	73	73	97	0	00	29.88	29.99	06	BKN	250			10.00	77	74	75	90	0	00	29.83	29.94		
09	BKN	250			10.00	85	76	79	75	8	23	29.89	30.01	09	BKN	130			10.00	86	73	77	65	10	04	29.86	29.97		
12	BKN	250			10.00	91	72	78	54	7	VR	29.87	29.99	12	SCT	NC			10.00	92	73	78	54	12	05	29.83	29.95		
15	SCT	NC			10.00	96	69	77	42	10	17	29.82	29.93	15	OVC	090		TS	10.00	89	72	77	57	22	07	29.81	29.92		
18	SCT	NC			10.00	92	76	80	60	15	12	29.80	29.91	18	BKN	250			10.00	90	75	79	62	5	35	29.76	29.87		
21	SCT	NC			10.00	85	72	76	65	7	16	29.84	29.95	21	BKN	250			10.00	84	77	79	80	6	14	29.82	29.93		
24	SCT	NC			10.00	81	74	76	79	3	20	29.87	29.98	24	SCT	NC			10.00	80	77	78	90	5	32	29.85	29.96		
SUNRISE: 0541				AUG 02				SUNSET: 1915				SUNRISE: 0545				AUG 08				SUNSET: 1910									
03	SCT	NC			10.00	78	75	76	90	0	00	29.85	29.96	03	CLR	NC			10.00	79	76	77	90	6	03	29.84	29.95		
06	SCT	NC			10.00	76	74	75	94	0	00	29.88	30.00	06	SCT	NC		BR	6.00	79	75	76	88	8	06	29.87	29.98		
09	BKN	250			10.00	85	74	77	70	5	23	29.91	30.02	09	OVC	250			9.00	80	71	74	74	9	03	29.90	30.01		
12	SCT	NC			10.00	92	71	77	51	0	00	29.90	30.01	12	OVC	250			10.00	88	73	77	61	8	07	29.90	30.01		
15	SCT	NC			10.00	95	69	77	43	5	VR	29.85	29.96	15	OVC	250			10.00	91	74	79	57	7	08	29.85	29.96		
18	BKN	250			10.00	93	67	75	42	8	11	29.82	29.93	18	OVC	250			10.00	89	76	80	65	7	14	29.84	29.95		
21	FEW	NC			10.00	86	74	77	67	5	18	29.85	29.96	21	BKN	250			10.00	84	78	80	82	0	00	29.86	29.97		
24	CLR	NC			10.00	83	76	78	79	5	27	29.87	29.98	24	SCT	NC			10.00	81	78	79	91	5	19	29.86	29.98		
SUNRISE: 0542				AUG 03				SUNSET: 1914				SUNRISE: 0545				AUG 09				SUNSET: 1909									
03	CLR	NC			10.00	80	76	77	87	5	25	29.84	29.95	03	CLR	NC			10.00	78	77	77	97	0	00	29.86	29.97		
06	SCT	NC			10.00	78	76	77	93	0	00	29.89	30.00	06	BKN	250		BR	5.00	78	76	77	93	6	04	29.87	29.98		
09	SCT	NC			10.00	88	76	79	68	7	29	29.92	30.03	09	BKN	020			10.00	85	77	79	77	5	18	29.92	30.03		
12	SCT	NC			10.00	97	71	79	43	6	04	29.90	30.01	12	BKN	250			10.00	92	74	79	56	9	10	29.89	30.00		
15	SCT	NC			10.00	98	71	79	42	15	11	29.83	29.94	15	OVC	250			10.00	92	69	76	47	6	VR	29.83	29.94		
18	OVC	110			10.00	75	72	73	90	6	25	29.91	30.02	18	OVC	250			10.00	89	76	80	65	13	12	29.83	29.94		
21	OVC	110			10.00	74	73	73	97	3	29	29.90	30.01	21	BKN	250			10.00	84	76	78	77	8	12	29.86	29.97		
24	BKN	250			10.00	74	72	73	94	5	01	29.90	30.01	24	BKN	070			10.00	82	77	78	85	7	10	29.89	30.01		
SUNRISE: 0542				AUG 04				SUNSET: 1913				SUNRISE: 0546				AUG 10				SUNSET: 1908									
03	BKN	250			10.00	73	70	71	90	0	00	29.89	30.01	03	OVC	120			10.00	82	76	78	82	8	08	29.87	29.98		
06	FEW	NC			7.00	73	70	71	90	0	00	29.92	30.03	06	BKN	250			7.00	78	75	76	90	9	06	29.88	29.99		
09	CLR	NC			10.00	83	78	79	85	5	03	29.94	30.06	09	SCT	NC			10.00	85	74	77	70	12	10	29.91	30.03		
12	SCT	NC			10.00	91	70	76	50	6	13	29.93	30.04	12	BKN	044			10.00	89	69	75	52	13	10	29.90	30.01		
15	BKN	250			10.00	94	70	77	46	5	VR	29.86	29.98	15	SCT	NC			10.00	89	64	72	43	9	11	29.86	29.97		
18	OVC	250			10.00	80	71	74	74	7	18	29.88	29.99	18	SCT	NC			10.00	88	63	72	43	14	10	29.85	29.96		
21	OVC	250			10.00	77	71	73	82	0	00	29.88	30.00	21	SCT	NC			10.00	81	69	73	67	7	11	29.87	29.98		
24	SCT	NC			10.00	74	72	73	94	7	36	29.88	29.99	24	OVC	060			10.00	80	70	73	71	6	04	29.88	29.99		
SUNRISE: 0543				AUG 05				SUNSET: 1912				SUNRISE: 0546				AUG 11				SUNSET: 1907									
03	SCT	NC			10.00	74	70	71	88	3	35	29.86	29.97	03	BKN	080			10.00	76	70	72	82	8	04	29.86	29.97		
06	BKN	250			7.00	73	71	72	94	0	00	29.89	30.00	06	SCT	NC			10.00	74	71	72	91	8	05	29.87	29.98		
09	SCT	NC			10.00	83	73	76	72	0	00	29.92	30.03	09	BKN	250			10.00	83	73	76	72	9	10	29.91	30.02		
12	BKN	250			10.00	90	71	77	54	3	34	29.89	30.00	12	BKN	250			10.00	89	72	77	57	6	11	29.89	30.00		
15	BKN	250			10.00	92	68	75	46	8	08	29.84	29.95	15	SCT	NC			10.00	93	70	77	47	8	06	29.83	29.95		
18	BKN	250			10.00	92	68	75	46	7	12	29.81	29.92	18	SCT	NC			10.00	91	73	78	56	14	10	29.80	29.91		
21	SCT	NC			10.00	81	72	75	74	0	00	29.84	29.95	21	SCT	NC			10.00	83	76	78	79	12	12	29.84	29.96		
24	FEW	NC			10.00	79	72	74	79	3	28	29.85	29.96	24	BKN	250			10.00	80	76	77	87	6	13	29.84	29.95		
SUNRISE: 0543				AUG 06				SUNSET: 1911				SUNRISE: 0547				AUG 12				SUNSET: 1906									
03	CLR	NC			10.00	76	73	74	91	3	25	29.84	29.96	03	SCT	NC			10.00	79	77	78	94	7	10	29.83	29.94		
06	SCT	NC			10.00	76	73	74	91	3	27	29.86	29.97	06	SCT	NC			10.00	78	77	77	97	3	13	29.83	29.94		
09	CLR	NC			10.00	85	74	77	70	8	29	29.87	29.98	09	SCT	NC			10.00	85	77	79	77	3	15	29.86	29.98		
12	SCT	NC			10.00	94	69	77	44	5	34	29.84	29.96	12	BKN	049			10.00	87	76	79	70	9	15	29.86	29.97		
15	BKN	100			10.00	95	71	78	46	8	04	29.79	29.90	15	BKN	250			10.00	87	76	79	70	10	13	29.82	29.93		
18	SCT	NC			10.00	94	71	78	48	8	07	29.75	29.86	18	BKN	250			10.00	84	77	79	80	9	11	29.81	29.92		
21	SCT	NC			10.00	84	74	77	72	0	00	29.80	29.91	21	SCT	NC			10.00	81	75	77	82	8	15	29.85	29.96		
24	CLR	NC			10.00	81	75	77	82	3	32	29.81	29.92	24	SCT	NC			10.00	79	75	76	88	5	17	29.85	29.96		

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX

AUGUST 2002

IAH

WBAN # 12960

HOUR (LST)	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)	
	SKY COVER	CEILING 100'S OF FT			OBSERVATION TIME (LST)	EFF CLD AMT Oktas	DRY BULB		DEW POINT	WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG		STATION	SEA LEVEL			SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)		EFF CLD AMT Oktas	DRY BULB	DEW POINT	WET BULB
<p>SUNRISE: 0548 AUG 13 SUNSET: 1905</p>																									
03	BKN	055	10.00		78	75	76	90	0	00	29.84	29.96	03	BKN	029	10.00		77	77	77	100	0	00	29.84	29.95
06	BKN	060	10.00		76	74	75	94	6	16	29.85	29.96	06	FEW	NC	10.00		77	76	76	96	0	00	29.85	29.96
09	BKN	055	10.00	TS	79	77	78	94	8	15	29.88	29.99	09	SCT	NC	10.00		84	77	79	80	7	18	29.88	29.99
12	BKN	250	10.00		87	75	78	67	13	18	29.85	29.96	12	BKN	250	10.00		90	73	78	58	5	VR	29.87	29.98
15	OVC	250	10.00		79	74	75	85	6	18	29.84	29.96	15	BKN	250	10.00		93	71	78	49	3	VR	29.82	29.93
18	BKN	065	10.00	TS	82	75	77	79	24	14	29.85	29.96	18	BKN	250	10.00		86	75	78	70	13	14	29.80	29.91
21	SCT	NC	10.00		78	76	77	93	9	13	29.82	29.93	21	SCT	NC	10.00		82	78	79	88	7	16	29.83	29.94
24	FEW	NC	10.00		77	76	76	96	6	17	29.83	29.94	24	FEW	NC	10.00		79	78	78	97	5	17	29.86	29.97
<p>SUNRISE: 0548 AUG 14 SUNSET: 1904</p>																									
03	SCT	NC	10.00		77	76	76	96	0	00	29.83	29.95	03	FEW	NC	10.00		79	78	78	97	3	20	29.84	29.95
06	BKN	250	10.00		76	75	75	97	5	13	29.82	29.93	06	BKN	250	10.00		78	77	77	97	3	11	29.88	29.99
09	BKN	120	10.00		83	77	79	82	14	16	29.84	29.96	09	BKN	250	10.00		86	77	80	75	6	19	29.81	30.03
12	BKN	250	10.00		84	75	78	74	8	16	29.82	29.93	12	BKN	047	10.00		91	74	79	57	8	20	29.90	30.01
15	OVC	250	10.00		87	72	77	61	18	13	29.79	29.90	15	BKN	250	10.00		89	76	80	65	9	16	29.86	29.97
18	OVC	070	10.00		78	74	75	87	13	17	29.79	29.91	18	BKN	250	10.00		84	74	77	72	5	19	29.84	29.95
21	BKN	250	10.00		76	75	75	97	5	18	29.82	29.93	21	SCT	NC	10.00		81	78	79	91	6	17	29.88	29.99
24	SCT	NC	10.00		76	74	75	94	6	17	29.81	29.93	24	FEW	NC	10.00		79	77	78	94	0	00	29.89	30.00
<p>SUNRISE: 0549 AUG 15 SUNSET: 1903</p>																									
03	OVC	250	10.00		76	73	74	91	6	13	29.76	29.87	03	SCT	NC	10.00		78	77	77	97	3	12	29.88	29.99
06	OVC	007	3.00	+TSRA BR	74	74	74	100	12	15	29.84	29.96	06	BKN	250	10.00		77	76	76	96	0	00	29.90	30.01
09	OVC	028	10.00	-RA	72	72	72	100	0	00	29.90	30.02	09	BKN	250	10.00		86	77	80	75	8	16	29.92	30.03
12	OVC	018	6.00	+TSRA BR	71	69	70	94	8	14	29.90	30.02	12	BKN	250	10.00		91	71	77	52	0	00	29.92	30.03
15	OVC	035	5.00	-TSRA BR	72	72	72	100	9	17	29.88	29.99	15	OVC	075	10.00	TS	87	76	79	70	15	14	29.89	30.00
18	OVC	034	10.00	RA	70	70	70	100	7	31	29.85	29.97	18	BKN	250	10.00		85	78	80	80	10	15	29.88	29.99
21	BKN	130	10.00		73	73	73	100	9	09	29.85	29.97	21	SCT	NC	10.00		81	79	80	94	9	10	29.92	30.03
24	BKN	250	10.00		73	73	73	100	3	06	29.90	30.01	24	SCT	NC	10.00		79	78	78	97	0	00	29.92	30.03
<p>SUNRISE: 0549 AUG 16 SUNSET: 1902</p>																									
03	BKN	017	10.00		74	74	74	100	5	06	29.91	30.03	03	SCT	NC	10.00		77	77	77	100	0	00	29.92	30.03
06	SCT	NC	10.00		74	74	74	100	3	03	29.95	30.06	06	BKN	250	10.00		78	77	77	97	0	00	29.95	30.06
09	BKN	250	10.00		80	76	77	87	5	18	29.99	30.11	09	SCT	NC	10.00		85	78	80	80	5	17	29.98	30.09
12	BKN	034	10.00		88	77	80	70	13	16	29.98	30.09	12	BKN	250	10.00		89	74	78	61	0	00	29.97	30.08
15	BKN	042	10.00		85	80	81	85	9	10	29.92	30.04	15	OVC	110	7.00	-TSRA	76	73	74	91	13	23	29.97	30.09
18	BKN	120	10.00		87	75	78	67	13	16	29.91	30.03	18	BKN	250	10.00		77	76	76	96	8	11	29.90	30.01
21	SCT	NC	10.00		81	78	79	91	6	17	29.95	30.06	21	BKN	250	10.00		78	78	78	100	0	00	29.95	30.06
24	SCT	NC	10.00		78	78	78	100	5	16	29.93	30.04	24	SCT	NC	10.00		77	77	77	100	0	00	29.95	30.06
<p>SUNRISE: 0550 AUG 17 SUNSET: 1901</p>																									
03	SCT	NC	10.00		78	78	78	100	0	00	29.92	30.03	03	SCT	NC	10.00		76	76	76	100	0	00	29.92	30.04
06	SCT	NC	6.00	BR	77	77	77	100	0	00	29.95	30.06	06	SCT	NC	10.00	MIFG	76	75	75	97	0	00	29.94	30.05
09	BKN	017	10.00		85	78	80	80	8	16	29.96	30.08	09	SCT	NC	10.00		83	76	78	79	3	22	29.98	30.09
12	SCT	NC	10.00		89	76	80	65	6	20	29.97	30.08	12	SCT	NC	10.00		89	74	78	61	8	25	29.95	30.06
15	BKN	250	10.00		89	76	80	65	7	19	29.92	30.03	15	BKN	250	10.00		87	75	78	67	24	14	29.90	30.01
18	BKN	250	10.00		88	77	80	70	10	17	29.90	30.01	18	BKN	250	10.00		81	75	77	82	5	18	29.88	29.99
21	SCT	NC	10.00		81	78	79	91	3	16	29.93	30.04	21	SCT	NC	10.00		79	76	77	90	5	17	29.89	30.00
24	SCT	NC	10.00		80	78	79	94	7	18	29.91	30.02	24	FEW	NC	10.00		77	76	76	96	5	19	29.90	30.01
<p>SUNRISE: 0550 AUG 18 SUNSET: 1900</p>																									
03	BKN	250	10.00		78	78	78	100	0	00	29.91	30.02	03	CLR	NC	10.00		77	76	76	96	5	19	29.87	29.98
06	SCT	NC	10.00		78	78	78	100	0	00	29.92	30.03	06	SCT	NC	10.00		77	76	76	96	3	17	29.88	29.99
09	BKN	017	10.00		84	78	80	82	6	18	29.94	30.05	09	SCT	NC	10.00		84	77	79	80	5	VR	29.93	30.04
12	SCT	NC	10.00		91	75	80	59	3	VR	29.90	30.01	12	SCT	NC	10.00		90	74	79	59	6	VR	29.91	30.02
15	BKN	044	10.00	TSRA	83	77	79	82	16	12	29.86	29.97	15	SCT	NC	10.00		93	73	79	52	0	00	29.84	29.96
18	BKN	047	10.00	-RA	84	80	81	88	6	14	29.83	29.94	18	BKN	250	10.00		91	77	81	64	12	13	29.82	29.94
21	SCT	NC	10.00		80	77	78	90	6	17	29.85	29.96	21	SCT	NC	10.00		84	77	79	80	3	19	29.87	29.98
24	FEW	NC	10.00		78	77	77	97	3	16	29.86	29.97	24	FEW	NC	10.00		81	77	78	88	5	21	29.87	29.98

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX

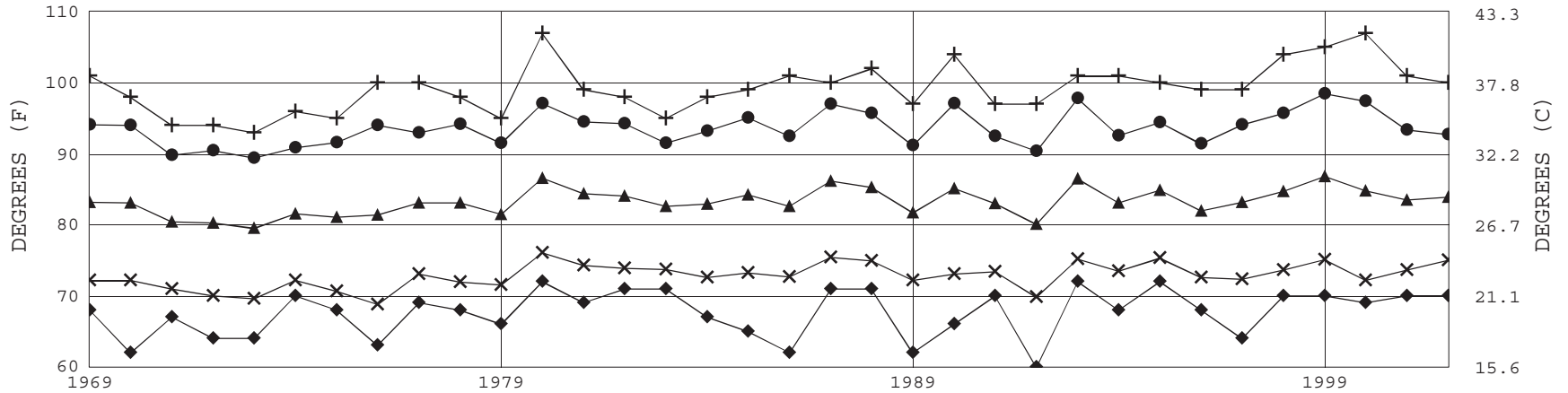
AUGUST 2002

IAH

WBAN # 12960

HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)																	
	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)	DIRECTION TENS OF DEG		STATION	SEA LEVEL																										
SUNRISE: 0554								AUG 25								SUNSET: 1853								SUNRISE: 0558								AUG 31								SUNSET: 1846							
03	CLR	NC				10.00		78	77	77	97	0	00	29.87	29.98	03	CLR	NC				4.00	BR		75	73	74	94	0	00	29.89	30.00															
06	BKN	250				10.00		78	77	77	97	0	00	29.89	30.00	06	FEW	NC				4.00	BR		75	72	73	90	5	35	29.92	30.03															
09	BKN	016				10.00		84	78	80	82	9	25	29.92	30.03	09	CLR	NC				8.00			83	74	77	74	9	05	29.95	30.07															
12	SCT	NC				10.00		90	74	79	59	0	00	29.89	30.01	12	SCT	NC				10.00			91	71	77	52	14	08	29.94	30.05															
15	SCT	NC				10.00		94	73	79	51	5	VR	29.82	29.93	15	SCT	NC				10.00			94	69	77	44	10	06	29.90	30.01															
18	SCT	NC				10.00		94	71	78	48	3	26	29.81	29.93	18	BKN	250				10.00			91	70	76	50	12	11	29.90	30.01															
21	BKN	130				10.00		86	79	81	80	8	16	29.86	29.97	21	FEW	NC				10.00			82	76	78	82	3	18	29.92	30.03															
24	BKN	250				10.00		83	76	78	79	5	24	29.84	29.95	24	SCT	NC				8.00			78	75	76	90	0	00	29.92	30.03															
SUNRISE: 0555								AUG 26								SUNSET: 1852								3-HOURLY OBSERVATION NOTES																							
03	SCT	NC				10.00		80	75	77	85	0	00	29.85	29.96	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.																															
06	BKN	250				10.00		79	77	78	94	3	26	29.85	29.97																																
09	BKN	250				10.00		85	76	79	75	9	27	29.86	29.97																																
12	BKN	250				10.00		91	72	78	54	7	26	29.84	29.95																																
15	BKN	250				10.00		94	72	78	49	6	VR	29.77	29.88																																
18	SCT	NC				10.00		93	74	79	54	3	27	29.75	29.86																																
21	SCT	NC				10.00		80	69	73	69	14	13	29.82	29.93																																
24	FEW	NC				10.00		78	71	73	79	0	00	29.78	29.89																																
SUNRISE: 0556								AUG 27								SUNSET: 1851								SUMMARY BY HOUR																							
03	FEW	NC				10.00		75	72	73	90	0	00	29.77	29.88	AVERAGES																															
06	SCT	NC				10.00		75	72	73	90	5	13	29.80	29.91	RESULTANT WIND (MPH)																															
09	BKN	250				10.00		84	76	78	77	3	31	29.85	29.96	HOUR (LST)																															
12	OVC	110				10.00		90	75	79	62	7	03	29.87	29.98	CEILOMETER																															
15	OVC	120				10.00		85	72	76	65	7	VR	29.83	29.94	EFF CLD AMT																															
18	OVC	130				10.00		83	74	77	74	0	00	29.83	29.94	DRY BULB																															
21	BKN	250				10.00		79	74	75	85	6	16	29.85	29.96	DEW POINT																															
24	BKN	250				10.00		77	74	75	90	0	00	29.85	29.96	WET BULB																															
SUNRISE: 0556								AUG 28								SUNSET: 1850								PRESSURE (INCHES, HG)																							
03	BKN	250				10.00		74	71	72	91	6	03	29.86	29.98	STATION																															
06	SCT	NC				6.00	BR	73	71	72	94	3	01	29.89	30.00	SEA LEVEL																															
09	SCT	NC				10.00		81	72	75	74	5	05	29.91	30.03	VISIBILITY (MILES)																															
12	SCT	NC				10.00		89	71	77	55	8	04	29.89	30.01	WIND SPEED (MPH)																															
15	BKN	080				10.00		91	69	76	49	8	05	29.86	29.97	SPEED																															
18	SCT	NC				10.00		90	69	76	50	8	08	29.83	29.94	DIRECTION																															
21	FEW	NC				10.00		84	68	73	59	3	08	29.85	29.97																																
24	CLR	NC				10.00		76	70	72	82	0	00	29.85	29.96																																
SUNRISE: 0557								AUG 29								SUNSET: 1848																															
03	CLR	NC				10.00		74	69	71	85	0	00	29.85	29.96																																
06	BKN	250				6.00	HZ	73	67	69	81	6	04	29.86	29.97																																
09	BKN	250				10.00		82	69	73	65	7	06	29.89	30.00																																
12	BKN	250				7.00		90	68	75	49	10	03	29.87	29.98																																
15	BKN	250				10.00		92	63	73	38	9	05	29.80	29.91																																
18	SCT	NC				10.00		89	64	72	43	9	02	29.78	29.89																																
21	SCT	NC				10.00		80	69	73	69	0	00	29.83	29.94																																
24	BKN	250				10.00		76	68	71	77	0	00	29.84	29.95																																
SUNRISE: 0557								AUG 30								SUNSET: 1847																															
03	SCT	NC				10.00		75	67	70	76	5	01	29.82	29.93																																
06	SCT	NC				7.00		73	68	70	84	5	03	29.85	29.96																																
09	SCT	NC				10.00		82	70	74	67	6	VR	29.88	30.00																																
12	SCT	NC				10.00		89	70	76	53	9	04	29.88	29.99																																
15	OVC	090				10.00		85	74	77	70	6	05	29.83	29.95																																
18	SCT	NC				10.00		88	70	76	55	8	11	29.83	29.94																																
21	SCT	NC				8.00		80	75	77	85	0	00	29.88	29.99																																
24	FEW	NC				7.00		76	74	75	94	0	00	29.90	30.01																																

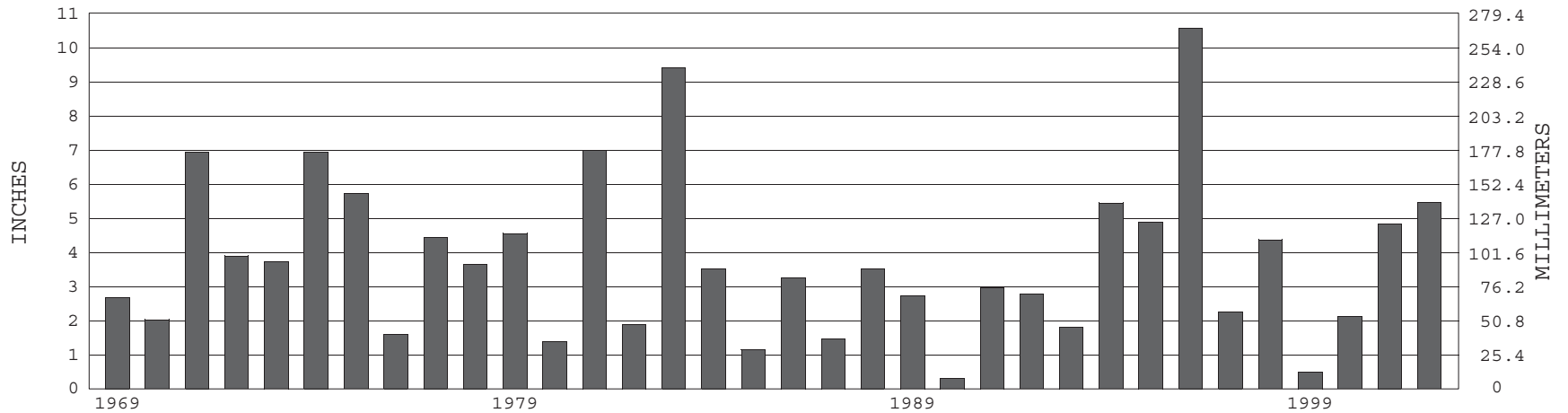
HOUSTON, TX AUGUST TEMPERATURES



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

Long-Term (1969-2002) Mean: 83.2 1961-1990 Normal: 83.3

HOUSTON, TX AUGUST PRECIPITATION



Long-Term (1969-2002) Mean Monthly Total: 3.82

1961-1990 Normal: 3.83



AUGUST 2002

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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