



MAY 2003

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

MAY 2003
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	86	70	78	6	70	72	0	13	RA	0		0.0	0.01	29.73	29.85	4.8	15	6.9	22	36	18	35	01						
02	89	68	79	6	71	73	0	14	RA BR	0		0.0	0.05	29.78	29.90	5.9	15	7.5	21	09	17	09	02						
03	85	74	80	7	72	74	0	15	BR HZ	0		0.0	0.00	29.81	29.92	7.3	14	7.9	17	15	15	16	03						
04	85	76	81	8	73	75	0	16	DZ BR HZ	0		0.0	T	29.65	29.76	13.6	17	13.7	33	19	24	19	04						
05	90	76	83	10	74	76	0	18		0		0.0	0.00	29.56	29.67	11.7	17	11.9	29	17	23	16	05						
06	89	76	83	9	74	76	0	18		0		0.0	0.00	29.63	29.74	12.2	15	12.7	30	15	26	15	06						
07	93	75	84	10	74	76	0	19	BR	0		0.0	0.00	29.69	29.80	9.8	15	10.9	23	14	21	14	07						
08	91	76	84	10	72	75	0	19		0		0.0	0.00	29.70	29.81	14.6	16	14.8	28	14	23	16	08						
09	91	76	84	10	72	75	0	19		0		0.0	0.00	29.72	29.84	15.1	16	15.3	28	14	23	15	09						
10	92	76	84	9	72	76	0	19	HZ	0		0.0	0.00	29.67	29.79	12.7	17	12.8	28	16	22	16	10						
11	86	74	80	5	71	74	0	15	HZ	0		0.0	0.00	29.83	29.94	2.9	03	7.4	24	01	16	01	11						
12	80	71	76	1	61	66	0	11		0		0.0	0.00	29.98	30.09	9.5	07	10.3	23	07	20	06	12						
13	91	68	80	5	69	72	0	15		0		0.0	0.00	29.88	30.00	7.8	15	9.9	26	17	22	16	13						
14	91	73	82	7	71	74	0	17		0		0.0	0.00	29.74	29.85	10.8	18	11.1	24	17	20	17	14						
15	92	74	83	7	73	76	0	18		0		0.0	0.00	29.71	29.82	9.7	16	10.0	24	16	22	16	15						
16	93	77	85	9	72	76	0	20	BR	0		0.0	0.00	29.64	29.75	12.9	17	13.2	36*	15	28*	16	16						
17	89	69	79	2	66	71	0	14	RA	0		0.0	T	29.75	29.86	6.2	34	7.6	23	02	16	36	17						
18	93	64	79	2	64	69	0	14		0		0.0	0.00	29.76	29.87	0.3	07	4.3	17	27	12	15	18						
19	95	72	84	7	71	75	0	19	BR HZ	0		0.0	0.00	29.76	29.87	4.6	15	5.5	21	13	16	14	19						
20	94	72	83	6	70	74	0	18	BR HZ	0		0.0	0.00	29.92	30.03	8.3	01	9.0	30	03	24	01	20						
21	87	68	78	1	66	70	0	13		0		0.0	0.00	29.95	30.06	8.7	36	9.7	23	05	18	35	21						
22	87	68	78	1	65	69	0	13		0		0.0	0.00	29.94	30.06	6.9	01	7.8	18	01	15	01	22						
23	89	66	78	1	62	68	0	13		0		0.0	0.00	29.92	30.03	3.8	05	5.5	16	05	13	03	23						
24	91	67	79	2	66	70	0	14	BR	0		0.0	0.00	29.82	29.93	4.5	14	6.4	21	13	18	13	24						
25	91	69	80	2	67	72	0	15		0		0.0	0.00	29.76	29.87	2.0	15	2.8	17	20	14	12	25						
26	93	72	83	5	68	72	0	18	TS RA	0		0.0	T	29.82	29.93	2.4	02	5.5	28	01	24	36	26						
27	86	70	78	0	64	69	0	13		0		0.0	0.00	29.98	30.09	9.2	05	9.3	21	03	16	04	27						
28	88	62*	75*	-3	54	63	0	10		0		0.0	0.00	30.02	30.13	2.3	02	3.5	20	36	14	03	28						
29	94	64	79	1	62	68	0	14		0		0.0	0.00	29.85	29.97	1.1	21	2.3	15	01	12	01	29						
30	97	73	85	6	68	73	0	20	BR	0		0.0	0.00	29.72	29.83	5.0	21	5.7	18	19	14	20	30						
31	97*	74	86*	7	69	74	0	21	BR	0		0.0	0.00	29.71	29.82	3.6	19	4.3	17	21	14	22	31						
90.2										71.3	80.8	■ ■	68.5	72.4	0.0	16.0	< MONTHLY AVERAGES		TOTALS->		0.0	0.06	29.79	29.90	2.9	02	8.6	<- MONTHLY AVERAGES	
4.7		5.2		5.0		■ ■		<-----DEPARTURE FROM NORMAL----->										-5.09		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									
DEGREE DAYS										GREATEST 24-HR PRECIPITATION: 0.06 DATE :01-02										SEA LEVEL PRESSURE DATE TIME									
MONTHLY TOTAL DEPARTURE										GREATEST 24-HR SNOWFALL: 0.0 DATE :										MAXIMUM : 30.21 28 0853									
SEASON TO DATE TOTAL DEPARTURE										GREATEST SNOW DEPTH: 0 DATE :										MINIMUM : 29.61 05 1553									
HEATING: 0 -2 1480 -45										NUMBER OF DAYS WITH =>										MAXIMUM TEMP ≥ 90: 18									
COOLING: 495 167 734 160																				MAXIMUM TEMP ≤ 32 : 0									
																				MINIMUM TEMP ≤ 32 : 0									
																				THUNDERSTORMS : 1									
																				MINIMUM TEMP ≤ 0 : 0									
																				HEAVY FOG : 0									
																				PRECIPITATION ≥ 0.01 INCH : 2									
																				PRECIPITATION ≥ 0.10 INCH : 0									
																				SNOWFALL ≥ 1.0 INCH : 0									

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

HOUSTON, TX

MAY 2003

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		0.01											01		0.01	
02	T	0.01	0.04										02													02		0.05	
03													03													03		0.00	
04											T		04													04		T	
05													05													05		0.00	
06													06													06		0.00	
07													07													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													13		0.00	
14													14													14		0.00	
15													15													15		0.00	
16													16													16		0.00	
17	T												17													17		T	
18													18													18		0.00	
19													19													19		0.00	
20													20													20		0.00	
21													21													21		0.00	
22													22													22		0.00	
23													23													23		0.00	
24													24													24		0.00	
25													25													25		0.00	
26													26													26		T	
27													27													27		0.00	
28													28													28		0.00	
29													29													29		0.00	
30													30													30		0.00	
31													31													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)	.03	.04	.04	.05	.05	.05	.05	.05	.05	.05	.05	.05
Ending Date	02	02	02	02	02	02	02	02	02	02	02	02
Ending Time (Hour/Min)	0201	0201	0201	0201	0201	0201	0201	0201	0201	0201	0201	0201

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 MAY 2003

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							7.00	10.00	
02							3.00	10.00	
03							5.00	10.00	
04							5.00	10.00	
05							7.00	10.00	
06							7.00	10.00	
07							6.00	10.00	
08							8.00	10.00	
09							10.00	10.00	
10							6.00	10.00	
11							3.00	10.00	
12							10.00	10.00	
13							10.00	10.00	
14							10.00	10.00	
15							9.00	10.00	
16							6.00	10.00	
17							7.00	10.00	
18							10.00	10.00	
19							3.00	10.00	
20							3.00	10.00	
21							10.00	10.00	
22							10.00	10.00	
23							10.00	10.00	
24							6.00	10.00	
25							8.00	10.00	
26							8.00	10.00	
27							8.00	10.00	
28							10.00	10.00	
29							9.00	10.00	
30							4.00	10.00	
31							6.00	10.00	
MONTHLY AVGS							7.26	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 4 19									

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX

MAY 2003

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: 0539				MAY 01				SUNSET: 1858				SUNRISE: 0534				MAY 07				SUNSET: 1902									
03	BKN	015		10.00	72	69	70	91	7	16	29.67	29.78	03	OVC	016		10.00		78	73	75	85	7	20	29.67	29.79			
06	OVC	020		10.00	73	69	70	87	0	00	29.70	29.82	06	OVC	NC	BR	6.00		75	73	74	94	3	17	29.71	29.83			
09	OVC	028		10.00	75	70	72	84	5	17	29.77	29.89	09	SCT	021		9.00		82	73	76	74	7	19	29.73	29.84			
12	BKN	045		10.00	82	70	74	67	10	16	29.75	29.87	12	OVC	033		10.00		86	73	77	65	3	VR	29.72	29.84			
15	BKN	250		10.00	85	71	75	63	9	03	29.75	29.86	15	BKN	250		10.00		93	73	79	52	13	19	29.65	29.76			
18	OVC	250		10.00	82	71	75	69	14	15	29.68	29.80	18	SCT	NC		10.00		85	75	78	72	17	14	29.66	29.77			
21	OVC	130		10.00	77	70	72	79	10	16	29.72	29.84	21	OVC	020		10.00		80	74	76	82	15	16	29.69	29.80			
24	OVC	021	-RA	10.00	72	66	68	82	15	03	29.83	29.95	24	OVC	020		10.00		79	74	75	85	18	16	29.68	29.80			
SUNRISE: 0538				MAY 02				SUNSET: 1859				SUNRISE: 0533				MAY 08				SUNSET: 1903									
03	SCT	NC		10.00	69	67	68	93	0	00	29.79	29.90	03	OVC	025		10.00		78	72	74	82	14	16	29.69	29.80			
06	CLR	NC	BR	3.00	72	71	71	97	15	16	29.75	29.87	06	OVC	028		9.00		76	72	73	88	12	15	29.71	29.83			
09	FEW	NC		9.00	80	72	75	76	14	17	29.80	29.92	09	SCT	NC		10.00		81	72	75	74	12	17	29.72	29.83			
12	OVC	032		10.00	83	70	74	65	6	18	29.81	29.93	12	SCT	NC		10.00		88	73	77	61	16	17	29.71	29.82			
15	SCT	NC		8.00	87	69	75	55	3	VR	29.75	29.87	15	SCT	NC		10.00		90	74	79	59	18	16	29.67	29.78			
18	OVC	130		10.00	84	71	75	65	9	11	29.73	29.84	18	SCT	NC		10.00		85	72	76	65	18	15	29.66	29.77			
21	BKN	250		10.00	78	73	75	85	5	17	29.79	29.91	21	BKN	020		10.00		79	72	74	79	16	15	29.72	29.83			
24	BKN	250		8.00	74	73	73	97	7	16	29.82	29.93	24	BKN	025		10.00		78	71	73	79	13	16	29.72	29.84			
SUNRISE: 0537				MAY 03				SUNSET: 1859				SUNRISE: 0532				MAY 09				SUNSET: 1903									
03	BKN	012		9.00	74	72	73	94	7	18	29.77	29.89	03	OVC	022		10.00		77	71	73	82	12	18	29.72	29.83			
06	OVC	018	BR	5.00	75	71	72	88	0	00	29.83	29.95	06	BKN	250		10.00		76	71	73	85	12	15	29.74	29.85			
09	OVC	027	BR	6.00	77	72	74	85	5	16	29.86	29.98	09	BKN	031		10.00		82	72	75	72	13	17	29.77	29.89			
12	OVC	027		7.00	83	71	75	67	9	13	29.84	29.96	12	BKN	036		10.00		89	72	77	57	18	17	29.75	29.86			
15	OVC	043		8.00	85	73	77	68	10	12	29.78	29.90	15	BKN	036		10.00		90	73	78	58	18	16	29.70	29.81			
18	SCT	NC	HZ	6.00	83	72	75	70	14	12	29.87		18	SCT	NC		10.00		83	72	75	70	18	16	29.67	29.79			
21	CLR	NC		7.00	76	73	74	91	10	14	29.79	29.91	21	OVC	023		10.00		79	72	74	79	18	15	29.71	29.82			
24	OVC	026		10.00	77	71	73	82	13	16	29.79	29.91	24	BKN	023		10.00		78	71	73	79	14	17	29.70	29.81			
SUNRISE: 0536				MAY 04				SUNSET: 1860				SUNRISE: 0532				MAY 10				SUNSET: 1904									
03	BKN	025		10.00	77	71	73	82	13	16	29.71	29.82	03	OVC	036		10.00		78	70	73	76	14	17	29.67	29.79			
06	OVC	019		10.00	77	72	74	85	15	17	29.71	29.83	06	BKN	250		6.00	HZ	76	71	73	85	9	16	29.69	29.80			
09	OVC	017		8.00	78	73	75	85	14	19	29.72	29.84	09	OVC	029		6.00	HZ	81	72	75	74	14	17	29.71	29.83			
12	OVC	014		8.00	79	74	75	85	12	17	29.69	29.81	12	BKN	031		7.00		87	73	77	63	15	16	29.68	29.80			
15	BKN	031		10.00	83	72	75	70	17	18	29.60	29.71	15	BKN	250		7.00		92	72	78	52	15	18	29.62	29.73			
18	BKN	030		10.00	81	73	75	77	14	17	29.55	29.67	18	BKN	250		10.00		86	73	77	65	16	17	29.62	29.74			
21	OVC	018		10.00	79	74	75	85	14	17	29.55	29.67	21	OVC	024		10.00		81	74	76	79	10	17	29.68	29.79			
24	OVC	016		10.00	79	75	76	88	8	17	29.58	29.69	24	OVC	018		9.00		80	74	76	82	9	17	29.70	29.82			
SUNRISE: 0536				MAY 05				SUNSET: 1901				SUNRISE: 0531				MAY 11				SUNSET: 1905									
03	OVC	019		8.00	79	74	75	85	12	19	29.54	29.65	03	OVC	018		8.00		79	74	75	85	7	18	29.71	29.82			
06	OVC	019		8.00	77	74	75	90	7	15	29.56	29.68	06	OVC	017		4.00	HZ	79	74	75	85	5	17	29.77	29.88			
09	OVC	024		10.00	80	72	75	76	13	17	29.61	29.73	09	OVC	018		4.00	HZ	80	74	76	82	5	19	29.84	29.96			
12	SCT	NC		10.00	86	71	76	61	15	18	29.59	29.70	12	OVC	024		3.00	HZ	86	74	77	67	6	VR	29.85	29.96			
15	BKN	250		10.00	88	72	77	59	22	17	29.51	29.62	15	OVC	250		5.00	HZ	82	74	76	77	13	03	29.84	29.95			
18	OVC	035		10.00	83	74	77	74	15	18	29.50	29.62	18	OVC	027		10.00		78	65	70	64	12	02	29.85	29.97			
21	OVC	023		8.00	81	75	77	82	12	18	29.55	29.67	21	OVC	034		10.00		77	63	68	62	9	02	29.91	30.03			
24	OVC	016		8.00	79	75	76	88	12	17	29.57	29.68	24	OVC	043		10.00		75	63	67	66	10	04	29.93	30.05			
SUNRISE: 0535				MAY 06				SUNSET: 1901				SUNRISE: 0530				MAY 12				SUNSET: 1905									
03	OVC	016		8.00	78	74	75	87	9	16	29.58	29.69	03	OVC	031		10.00		73	62	66	69	10	05	29.94	30.06			
06	OVC	130		9.00	76	73	74	91	5	17	29.63	29.75	06	OVC	027		10.00		72	60	65	66	10	06	29.98	30.10			
09	OVC	130		10.00	80	73	75	79	18	16	29.61	29.73	09	OVC	028		10.00		75	58	65	55	16	05	30.03	30.15			
12	OVC	250		10.00	87	75	78	67	18	14	29.64	29.75	12	OVC	030		10.00		78	58	66	50	12	06	30.02	30.14			
15	OVC	044		10.00	85	76	78	75	8	11	29.65	29.76	15	OVC	250		10.00		79	61	68	54	6	10	29.97	30.09			
18	OVC	250		9.00	82	75	77	79	25	15	29.59	29.71	18	BKN	250		10.00		73	63	67	71	13	04	29.96	30.08			
21	OVC	022		10.00	80	75	77	85	12	17	29.65	29.77	21	SCT	NC		10.00		72	62	66	71	10	12	29.96	30.07			
24	OVC	016		10.00	79	75	76	88	9	17	29.67	29.78	24	BKN	020		10.00		72	62	66	71	6	09	29.94	30.05			

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX

MAY 2003

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: 0530				MAY 13				SUNSET: 1906				SUNRISE: 0526				MAY 19				SUNSET: 1910									
03	BKN	250			10.00		69	63	65	81	0	00	29.90	30.01	03	FEW	NC			10.00		74	72	73	94	0	00	29.72	29.83
06	OVC	012			10.00		71	67	68	87	6	01	29.92	30.03	06	BKN	250			3.00	BR	73	72	72	96	0	00	29.73	29.85
09	BKN	250			10.00		80	73	75	79	9	12	29.96	30.07	09	BKN	250			7.00		83	72	75	70	6	20	29.76	29.88
12	BKN	250			10.00		89	71	77	55	13	14	29.91	30.03	12	BKN	250			10.00		89	67	74	48	0	00	29.77	29.88
15	BKN	250			10.00		89	70	76	53	16	17	29.84	29.96	15	SCT	NC			10.00		93	67	75	42	9	14	29.72	29.84
18	BKN	250			10.00		85	69	74	59	13	16	29.80	29.92	18	BKN	250			10.00		89	71	77	55	13	14	29.73	29.84
21	BKN	045			10.00		78	71	73	79	13	18	29.83	29.94	21	SCT	NC			10.00		81	71	74	72	3	16	29.80	29.91
24	BKN	250			10.00		76	72	73	88	8	17	29.82	29.94	24	CLR	NC			8.00		78	74	75	87	0	00	29.83	29.94
SUNRISE: 0529				MAY 14				SUNSET: 1906				SUNRISE: 0526				MAY 20				SUNSET: 1910									
03	SCT	NC			10.00		73	72	72	96	3	17	29.79	29.90	03	SCT	NC			5.00	BR	75	72	73	90	0	00	29.82	29.93
06	OVC	041			10.00		75	73	74	94	6	15	29.77	29.89	06	BKN	250			3.00	BR	74	73	73	97	5	06	29.90	30.02
09	BKN	024			10.00		81	72	75	74	8	20	29.77	29.89	09	BKN	140			10.00		84	72	76	67	8	02	29.93	30.05
12	BKN	250			10.00		88	71	76	57	10	20	29.75	29.87	12	SCT	NC			10.00		91	68	75	47	8	01	29.94	30.06
15	BKN	250			10.00		90	68	75	49	16	18	29.69	29.80	15	BKN	090			10.00		90	67	74	47	21	01	29.93	30.05
18	BKN	250			10.00		84	68	73	59	16	17	29.65	29.77	18	BKN	250			10.00		87	70	75	57	14	36	29.91	30.02
21	SCT	NC			10.00		78	71	73	79	10	17	29.70	29.82	21	BKN	250			10.00		78	70	73	76	10	34	29.95	30.07
24	SCT	NC			10.00		76	73	74	91	10	17	29.71	29.83	24	BKN	140			10.00		73	67	69	81	10	34	29.98	30.09
SUNRISE: 0528				MAY 15				SUNSET: 1907				SUNRISE: 0525				MAY 21				SUNSET: 1911									
03	BKN	250			10.00		76	73	74	91	6	12	29.73	29.85	03	BKN	019			10.00		69	65	66	87	9	34	29.96	30.08
06	OVC	250			10.00		75	73	74	94	8	18	29.71	29.83	06	BKN	250			10.00		68	65	66	90	8	34	29.99	30.10
09	BKN	024			10.00		82	73	76	74	9	17	29.75	29.87	09	OVC	019			10.00		75	66	69	74	8	01	30.00	30.12
12	BKN	250			10.00		89	73	78	59	12	17	29.74	29.85	12	BKN	021			10.00		81	67	72	62	9	01	29.96	30.08
15	OVC	250			10.00		91	73	78	56	17	16	29.67	29.79	15	BKN	035			10.00		87	67	74	51	9	34	29.90	30.02
18	OVC	250			10.00		85	73	77	68	13	17	29.65	29.77	18	OVC	250			10.00		80	68	72	67	14	34	29.90	30.02
21	BKN	250			10.00		79	72	74	79	9	15	29.68	29.79	21	BKN	250			10.00		74	67	69	79	7	35	29.93	30.05
24	BKN	016			10.00		77	74	75	90	12	15	29.67	29.79	24	BKN	140			10.00		72	67	69	84	8	36	29.94	30.06
SUNRISE: 0528				MAY 16				SUNSET: 1908				SUNRISE: 0525				MAY 22				SUNSET: 1911									
03	BKN	018			10.00		78	73	75	85	14	16	29.64	29.75	03	OVC	080			10.00		71	66	68	84	8	01	29.93	30.05
06	OVC	250		BR	6.00		78	74	75	87	17	17	29.59	29.70	06	BKN	070			10.00		69	66	67	90	5	36	29.97	30.09
09	BKN	140			10.00		82	73	76	74	5	22	29.67	29.79	09	SCT	NC			10.00		74	65	68	74	10	06	29.99	30.11
12	SCT	NC			10.00		93	67	75	42	22	17	29.65	29.77	12	BKN	034			10.00		83	63	70	51	12	01	29.96	30.08
15	BKN	250			10.00		93	68	76	44	15	19	29.62	29.73	15	SCT	NC			10.00		86	63	71	46	13	34	29.90	30.01
18	BKN	250			10.00		87	69	75	55	16	17	29.58	29.70	18	FEW	NC			10.00		84	63	70	49	10	04	29.88	29.99
21	SCT	NC			10.00		81	73	75	77	10	18	29.62	29.73	21	SCT	NC			10.00		75	64	68	69	0	00	29.92	30.03
24	OVC	016			10.00		80	74	76	82	0	00	29.71	29.83	24	CLR	NC			10.00		71	64	67	79	0	00	29.94	30.06
SUNRISE: 0527				MAY 17				SUNSET: 1908				SUNRISE: 0524				MAY 23				SUNSET: 1912									
03	BKN	038			7.00		79	75	76	88	3	26	29.69	29.80	03	CLR	NC			10.00		68	64	66	87	3	01	29.92	30.04
06	OVC	034			9.00		76	69	71	79	7	34	29.73	29.84	06	CLR	NC			10.00		67	62	64	84	5	02	29.95	30.07
09	SCT	NC			10.00		80	61	68	52	9	36	29.78	29.90	09	SCT	NC			10.00		77	59	66	54	8	08	29.97	30.09
12	SCT	NC			10.00		85	62	70	46	8	32	29.78	29.90	12	SCT	NC			10.00		82	61	69	49	3	VR	29.95	30.07
15	FEW	NC			10.00		87	63	71	45	9	35	29.75	29.86	15	BKN	250			10.00		87	62	71	43	8	07	29.87	29.99
18	FEW	NC			10.00		86	63	71	46	12	34	29.71	29.83	18	SCT	NC			10.00		87	62	71	43	10	04	29.84	29.96
21	CLR	NC			10.00		76	65	69	69	9	03	29.78	29.90	21	SCT	NC			10.00		79	64	69	60	6	04	29.87	29.98
24	CLR	NC			10.00		69	63	65	81	3	35	29.80	29.91	24	CLR	NC			10.00		75	66	69	74	3	21	29.88	30.00
SUNRISE: 0527				MAY 18				SUNSET: 1909				SUNRISE: 0524				MAY 24				SUNSET: 1913									
03	CLR	NC			10.00		66	62	64	87	3	01	29.77	29.89	03	CLR	NC			10.00		71	65	67	81	0	00	29.84	29.96
06	FEW	NC			10.00		65	62	63	90	5	01	29.79	29.91	06	OVC	250			6.00	BR	68	65	66	90	0	00	29.89	30.00
09	SCT	NC			10.00		77	62	68	60	6	03	29.83	29.95	09	BKN	250			10.00		77	68	71	74	5	16	29.88	29.99
12	FEW	NC			10.00		85	62	70	46	6	27	29.78	29.90	12	SCT	NC			10.00		86	64	72	48	5	VR	29.83	29.95
15	FEW	NC			10.00		91	59	70	34	7	VR	29.71	29.83	15	BKN	060			10.00		88	68	74	52	15	12	29.78	29.90
18	FEW	NC			10.00		90	61	71	38	0	00	29.68	29.80	18	SCT	NC			10.00		84	68	73	59	14	13	29.73	29.85
21	FEW	NC			10.00		80	73	75	79	8	16	29.71	29.83	21	SCT	NC			10.00		78	66	70	67	10	17	29.76	29.88
24	FEW	NC			10.00		77	72	74	85	3	19	29.74	29.85	24	FEW	NC			10.00		75	67	70	76	6	19	29.76	29.87

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX

MAY 2003

IAH

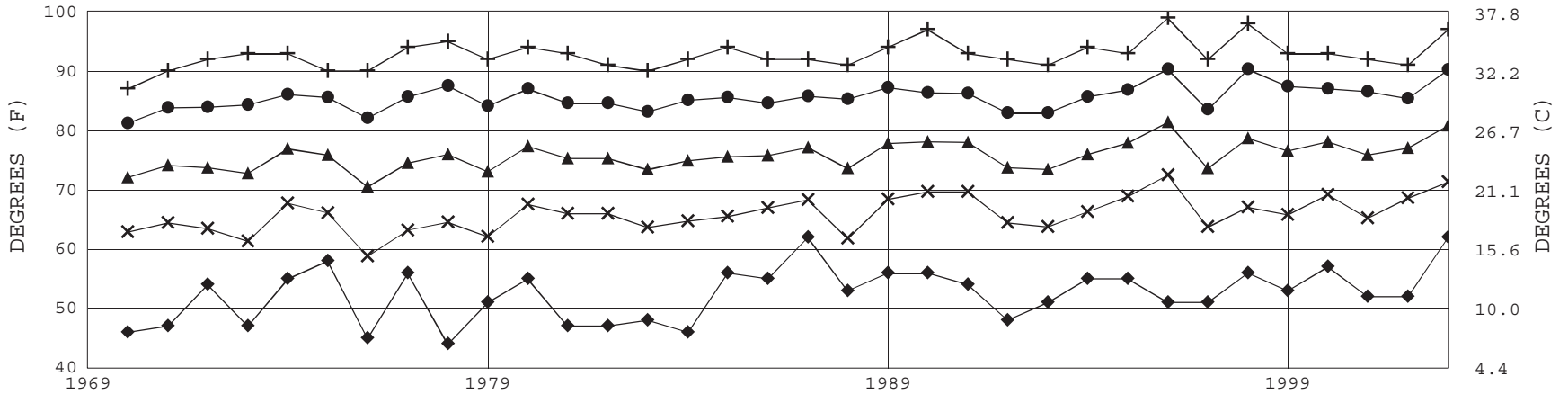
WBAN # 12960

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)	
	SKY COVER	CEILING		OBSERVATION TIME (LST)	EFF CLD AMT Ok/as			DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL		SKY COVER	CEILING		OBSERVATION TIME (LST)	EFF CLD AMT Ok/as			DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
SUNRISE: 0523								MAY 25				SUNSET: 1913				SUNRISE: 0521								MAY 31				SUNSET: 1917			
03	BKN	130			10.00			73	67	69	81	0	00	29.75	29.86	03	CLR	NC			10.00			75	69	71	82	0	00	29.68	29.79
06	OVC	250			8.00			72	68	69	87	0	00	29.76	29.88	06	OVC	013			6.00	BR	75	72	73	90	0	00	29.72	29.83	
09	BKN	022			10.00			78	70	73	76	0	00	29.82	29.94	09	FEW	NC			10.00		82	71	75	69	10	21	29.76	29.87	
12	SCT	NC			10.00			86	64	72	48	5	26	29.79	29.91	12	CLR	NC			10.00		91	67	75	45	8	19	29.74	29.85	
15	BKN	110			10.00			91	63	72	39	0	00	29.72	29.83	15	FEW	NC			10.00		95	69	77	43	7	19	29.68	29.79	
18	BKN	110			10.00			87	69	75	55	12	10	29.70	29.81	18	SCT	NC			10.00		94	69	77	44	9	18	29.63	29.75	
21	OVC	140			10.00			81	69	73	67	7	18	29.74	29.86	21	SCT	NC			10.00		84	68	73	59	6	19	29.69	29.80	
24	OVC	140			10.00			77	70	72	79	0	00	29.78	29.89	24	CLR	NC			10.00		77	68	71	74	0	00	29.73	29.85	
SUNRISE: 0523								MAY 26				SUNSET: 1914				<h3>3-HOURLY OBSERVATION NOTES</h3> <p>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.</p>															
03	BKN	250			10.00			75	70	72	84	0	00	29.78	29.90																
06	OVC	130			10.00			75	71	72	88	0	00	29.81	29.93																
09	BKN	047			10.00			81	70	74	69	0	00	29.85	29.96																
12	BKN	250			10.00			85	65	72	51	7	18	29.82	29.93																
15	BKN	250			10.00			92	59	71	33	6	VR	29.78	29.89																
18	BKN	060			8.00			84	70	74	63	23	36	29.78	29.90																
21	SCT	NC			10.00			76	69	71	79	15	06	29.86	29.98																
24	BKN	250			10.00			72	69	70	91	7	02	29.90	30.02																
SUNRISE: 0523								MAY 27				SUNSET: 1914																			
03	OVC	007			10.00			72	69	70	91	15	05	29.91	30.03																
06	BKN	090			8.00			71	68	69	90	8	04	29.94	30.06																
09	BKN	050			10.00			76	65	69	69	15	05	30.00	30.12																
12	BKN	050			10.00			80	62	69	54	10	04	30.01	30.13																
15	BKN	250			10.00			83	63	70	51	8	06	29.96	30.08																
18	BKN	250			10.00			83	60	68	46	12	05	29.94	30.06																
21	BKN	250			10.00			76	61	67	60	6	01	30.01	30.12																
24	BKN	250			10.00			70	59	63	68	0	00	30.04	30.15																
SUNRISE: 0522								MAY 28				SUNSET: 1915																			
03	BKN	250			10.00			66	58	61	75	6	02	30.03	30.15																
06	FEW	NC			10.00			63	57	60	81	0	00	30.07	30.18																
09	SCT	NC			10.00			77	55	64	47	9	06	30.09	30.21																
12	SCT	NC			10.00			81	51	63	35	0	00	30.06	30.17																
15	CLR	NC			10.00			86	52	66	31	9	03	29.98	30.10																
18	CLR	NC			10.00			86	52	66	31	8	35	29.93	30.05																
21	CLR	NC			10.00			74	54	62	50	0	00	29.96	30.07																
24	CLR	NC			10.00			68	56	61	66	0	00	29.95	30.07																
SUNRISE: 0522								MAY 29				SUNSET: 1916																			
03	CLR	NC			10.00			64	59	61	84	0	00	29.91	30.03																
06	CLR	NC			9.00			65	62	63	90	0	00	29.91	30.03																
09	FEW	NC			10.00			80	64	70	58	0	00	29.93	30.05																
12	CLR	NC			10.00			88	57	69	35	0	00	29.88	30.00																
15	SCT	NC			10.00			93	57	70	30	0	00	29.80	29.92																
18	SCT	NC			10.00			91	57	69	32	0	00	29.75	29.87																
21	CLR	NC			10.00			82	71	75	69	9	17	29.76	29.88																
24	CLR	NC			10.00			77	72	74	85	7	18	29.76	29.87																
SUNRISE: 0522								MAY 30				SUNSET: 1916																			
03	CLR	NC			10.00			75	72	73	90	0	00	29.76	29.87																
06	CLR	NC			4.00	BR		73	72	72	96	5	18	29.76	29.88																
09	CLR	NC			10.00			84	69	74	61	5	22	29.77	29.88																
12	FEW	NC			10.00			91	66	74	44	0	00	29.73	29.85																
15	FEW	NC			10.00			96	63	74	34	5	VR	29.67	29.79																
18	FEW	NC			10.00			93	69	76	46	9	22	29.63	29.75																
21	CLR	NC			10.00			83	67	72	59	8	19	29.68	29.79																
24	CLR	NC			10.00			78	67	71	69	6	19	29.70	29.82																

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			75	69	71	83	29.78	29.90	9.71	7	4	15
02			74	69	71	85	29.77	29.89	9.52	6	3	15
03			74	69	71	85	29.77	29.89	9.52	6	3	15
04			73	69	70	87	29.78	29.89	9.42	6	3	15
05			73	69	70	88	29.78	29.90	9.26	5	3	14
06			73	69	70	88	29.80	29.91	7.81	6	3	14
07			75	69	71	84	29.81	29.93	8.35	6	3	15
08			77	69	72	78	29.82	29.94	9.00	8	3	16
09			79	69	73	71	29.83	29.95	9.32	9	4	15
10			82	68	73	63	29.83	29.95	9.58	9	4	15
11			84	68	73	59	29.82	29.94	9.45	8	5	15
12			86	67	73	55	29.81	29.93	9.52	8	4	16
13			87	67	74	52	29.79	29.91	9.55	9	5	16
14			89	67	74	50	29.77	29.89	9.61	10	5	16
15			89	67	74	50	29.76	29.87	9.61	10	4	14
16			88	67	74	51	29.74	29.86	9.52	11	5	14
17			87	67	74	53	29.73	29.85	9.68	12	5	14
18			85	68	74	58	29.73	29.85	9.77	13	6	13
19			82	69	73	64	29.74	29.86	9.87	11	7	13
20			80	69	73	69	29.76	29.87	9.87	10	6	14
21			78	69	72	74	29.77	29.89	9.84	9	6	15
22			77	69	72	77	29.79	29.91	9.84	7	4	15
23			76	69	72	80	29.80	29.91	9.90	7	4	15
24			75	69	71	81	29.79	29.91	9.77	7	4	15

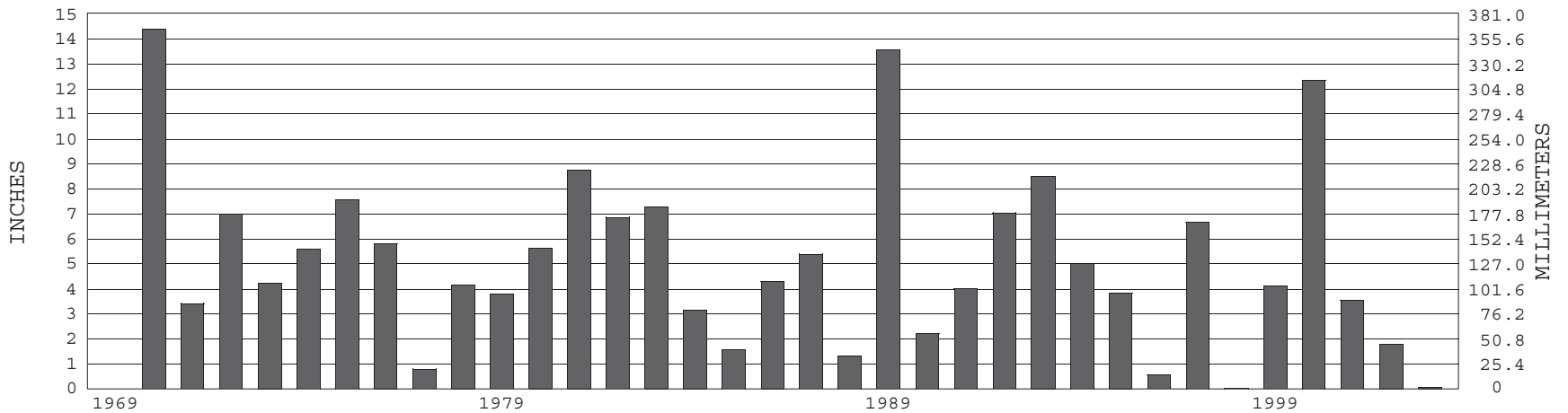
HOUSTON, TX MAY TEMPERATURES



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

Long-Term (1969-2003) Mean: 73.6 1961-1990 Normal: 75.8

HOUSTON, TX MAY PRECIPITATION



Long-Term (1969-2003) Mean Monthly Total: 4.98

1961-1990 Normal: 5.15



MAY 2003

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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