



# MARCH 2000

## LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

# HOUSTON, TX

INTERCONTINENTAL AIRPORT (IAH)  
 Lat: 29°59' N Long: 95°21' W Elev (Ground): 119 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	11	12	13	14	15	16	17	18	19	20	21	22	23	24														
01	82	59	71	14	65	67	0	6	BR	0	0.00	0.00	30.00	30.12	3.6	15	5.0	16	13	14	13	01														
02	83	62	73	16	64	67	0	8	BR	0	0.00	0.00	29.86	29.98	10.4	16	10.9	30	15	23	15	02														
03	76	49	63	6	54	59	2	0	RA BR	0	0.00	0.01	29.87	29.99	6.7	33	8.2	22	32	17	31	03														
04	69	41	55	-3	42	48	10	0		0	0.00	0.00	29.95	30.08	2.9	36	4.5	17	36	14	35	04														
05	71	42	57	-1	50	53	8	0		0	0.00	0.00	29.91	30.03	8.1	12	9.0	23	15	18	11	05														
06	78	53	66	8	62	64	0	1	BR HZ	0	0.00	0.00	29.94	30.06	9.4	12	9.9	25	12	21	12	06														
07	83	67	75	17	65	68	0	10	RA BR	0	0.00	T	29.91	30.04	14.5	14	14.9	31	15	26*	14	07														
08	82	68	75	16	68	70	0	10	RA BR	0	0.00	0.01	29.88	30.00	9.0	15	9.3	23	16	17	16	08														
09	88	65	77	18	67	70	0	12	BR	0	0.00	0.00	29.87	29.99	4.3	18	5.8	20	14	17	14	09														
10	86	68	77	18	67	70	0	12	TS TSRA BR HZ	0	0.00	0.03	29.80	29.92	6.8	18	7.2	23	18	18	18	10														
11	69	44	57	-2	40	48	8	0	TSRA RA BR	0	0.00	0.01	30.06	30.19	11.7	34	12.0	33	33	24	33	11														
12	67	34*	51*	-9	40	46	14	0		0	0.00	0.00	30.13	30.25	3.8	14	5.7	17	14	15	14	12														
13	73	42	58	-2	48	52	7	0		0	0.00	0.00	30.06	30.18	7.7	11	8.0	22	12	17	11	13														
14	65	54	60	0	58	59	5	0	TSRA RA BR	0	0.00	0.50	29.90	30.02	8.3	10	8.9	24	11	20	11	14														
15	75	60	68	8	63	64	0	3	TS TSRA RA BR	0	0.00	0.36	29.70	29.82	3.4	06	5.5	22	10	18	11	15														
16	77	56	67	6	61	63	0	2	FG+ BR	0	0.00	0.00	29.78	29.90	2.9	04	3.7	16	04	12	04	16														
17	77	50	64	3	53	56	1	0		0	0.00	0.00	29.96	30.09	4.5	35	8.6	22	30	17	31	17														
18	78	53	66	5	58	61	0	1	RA	0	0.00	0.02	29.80	29.92	1.5	14	5.0	18	16	15	16	18														
19	67	44	56	-6	42	49	9	0	TSRA RA BR	0	0.00	0.09	29.85	29.98	9.1	31	10.2	29	29	22	31	19														
20	75	38	57	-5	48	53	8	0		0	0.00	0.00	29.81	29.94	9.2	13	9.6	29	11	25	11	20														
21	73	58	66	4	62	64	0	1	RA BR	0	0.00	0.28	29.86	29.98	12.6	10	13.3	33*	13	25	13	21														
22	78	65	72	10	66	67	0	7	BR	0	0.00	0.00	29.97	30.10	13.9	12	14.5	32	12	24	13	22														
23	80	58	69	7	63	65	0	4	BR	0	0.00	0.00	29.90	30.02	11.0	13	11.2	25	12	22	11	23														
24	83	62	73	11	68	69	0	8	RA BR	0	0.00	T	29.90	30.02	6.4	14	7.1	21	11	17	15	24														
25	84	60	72	9	65	67	0	7	BR	0	0.00	0.00	29.93	30.06	5.1	14	6.1	20	11	16	11	25														
26	83	64	74	11	66	69	0	9	RA FG+ BR	0	0.00	0.04	29.80	29.92	4.0	14	6.4	18	14	16	14	26														
27	85	56	71	8	59	64	0	6	RA BR	0	0.00	T	29.64	29.77	2.2	03	5.8	24	09	17	02	27														
28	83	50	67	4	63	65	0	2	FG+ BR	0	0.00	0.00	29.56	29.69	6.4	16	6.7	24	13	20	14	28														
29	88*	66	77*	13	69	71	0	12	BR	0	0.00	0.00	29.55	29.68	5.3	15	6.5	18	13	15	13	29														
30	81	58	70	6	56	61	0	5	BR	0	0.00	0.00	29.79	29.92	7.6	36	8.2	21	02	14	01	30														
31	77	53	65	1	57	60	0	0	BR	0	0.00	0.00	29.85	29.98	8.5	10	9.6	24	06	21	09	31														
77.9											54.8	66.4	■ ■	58.4	61.6	2.3	4.1	< MONTHLY AVERAGES		TOTALS-->		0.0	1.35	29.86	29.99	4.0	12	8.3	<-- MONTHLY AVERAGES							
6.8											4.8	5.8	■ ■	<----- DEPARTURE FROM NORMAL ----->											-1.57	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3										
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 0.50 DATE: 14				SEA LEVEL PRESSURE				DATE TIME																			
MONTHLY TOTAL DEPARTURE									GREATEST 24-HR SNOWFALL: 0.0 DATE:				MAXIMUM				: 30.35 12 0853																			
SEASON TO DATE TOTAL DEPARTURE									GREATEST SNOW DEPTH: 0 DATE:				MINIMUM				: 29.60 29 0253																			
HEATING:			72 -115			1042 -521			NUMBER OF DAYS WITH →		MAXIMUM TEMP ≥ 90: 0		MINIMUM TEMP ≤ 32: 0		PRECIPITATION ≥ 0.01 INCH: 10																					
COOLING:			126 76			231 154					MAXIMUM TEMP ≤ 32: 0		MINIMUM TEMP ≤ 0: 0		PRECIPITATION ≥ 0.10 INCH: 3																					
											THUNDERSTORMS: 5		HEAVY FOG: 3		SNOWFALL ≥ 1.0 INCH: 0																					

MARCH 2000  
HOUSTON, TX

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

## HOUSTON, TX

MARCH 2000

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					0.01								03												03		0.01		
04													04												04		0.00		
05													05												05		0.00		
06													06												06		0.00		
07			T	T									07											T	07	T	0.01		
08		T		T	0.01								08			T								T	08		0.01		
09													09												09		0.00		
10													10											0.03	10		0.03		
11		T											11												T	11	0.01		
12													12													12	0.00		
13													13													13	0.00		
14												T	14	0.01	0.12	0.12	0.09	0.04	T	0.05	0.05	0.02	T	T	14	0.50			
15													15			0.01	0.18	0.02	0.14	T	T	0.01	T		15	0.36			
16													16												16		0.00		
17													17												17		0.00		
18													18		0.02	T									18		0.02		
19				0.01	0.03	0.01	0.04	T					19												19		0.09		
20													20												20		0.00		
21												T	21	0.07	T					T	T	0.02	0.07	0.12	T	21	0.28		
22													22												22		0.00		
23													23												23		0.00		
24				T	T	T							24												24		T		
25													25												25		0.00		
26													26												26		0.04		
27													27												27		T		
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)												
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 1961 – 1990

### 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 MARCH 2000

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							2.00	10.00	
02							2.00	10.00	
03							.00	10.00	
04							10.00	10.00	
05							8.00	10.00	
06							1.00	10.00	
07							5.00	10.00	
08							4.00	10.00	
09							.25	10.00	
10							5.00	10.00	
11							10.00	10.00	
12							10.00	10.00	
13							9.00	10.00	
14							1.00	10.00	
15							1.25	10.00	
16							<.25	10.00	
17							10.00	10.00	
18							8.00	10.00	
19							10.00	10.00	
20							10.00	10.00	
21							2.50	10.00	
22							1.50	10.00	
23							5.00	10.00	
24							1.00	10.00	
25							<.25	10.00	
26							.00	10.00	
27							2.50	10.00	
28							.25	10.00	
29							6.00	10.00	
30							4.00	10.00	
31							5.00	10.00	
MONTHLY AVGS							4.81	10.00	
<b>SUNSHINE (MINUTES)</b>									
Total:					Possible:				
					Percent Possible:				
<b>NUMBER OF DAYS WITH:</b>									
<b>SKY CONDITION</b>									
CLR			PTLY CLDY		CLOUDY		MISSING		
							31		
<b>MINIMUM VISIBILITY (MILES)</b>									
<=0.25			<=3.0			>=7.0			
3			14			9			

# OBSERVATIONS AT 3-HOURLY INTERVALS

# HOUSTON, TX

MARCH 2000

IAH

WBAN # 12960

HOUR (LST)	SKY COVER	CEILING 100'S OF FT	SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES,HG)		HOUR (LST)	SKY COVER	CEILING 100'S OF FT	SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES,HG)				
			OBSERVATION TIME (LST)	EFF CLD AMT Okta8		DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL				OBSERVATION TIME (LST)	EFF CLD AMT Okta8		DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL			
			SUNRISE: 0647	MAR 01				SUNSET: 1820				SUNRISE: 0640	MAR 07				SUNSET: 1824													
03	BKN	033				67	65	66	93	5	17	29.98	30.10	03	OVC	012					7.00	BR	68	65	66	90	9	13	29.95	30.07
06	SCT	NC				60	60	60	100	0	00	30.01	30.13	06	OVC	016					10.00		68	65	66	90	13	14	29.94	30.06
09	BKN	017			BR	67	66	66	97	3	16	30.07	30.19	09	OVC	015					7.00		72	66	68	82	13	14	29.97	30.10
12	BKN	250				77	63	68	62	5	16	30.04	30.16	12	BKN	250					10.00		82	64	70	55	18	13	29.93	30.06
15	BKN	250				81	64	70	57	6	VR	29.96	30.08	15	BKN	250					10.00		81	63	69	54	23	16	29.86	29.99
18	OVC	060				77	67	70	71	12	13	29.95	30.08	18	BKN	028					10.00		74	65	68	74	17	15	29.86	29.98
21	BKN	065				70	66	67	87	9	16	29.99	30.11	21	OVC	016					10.00		71	67	68	87	13	14	29.89	30.01
24	BKN	008				68	67	67	96	10	17	29.96	30.09	24	OVC	017					9.00		71	67	68	87	7	12	29.89	30.01
			SUNRISE: 0646	MAR 02				SUNSET: 1821				SUNRISE: 0639	MAR 08				SUNSET: 1825													
03	SCT	NC				64	63	63	96	3	14	29.93	30.05	03	OVC	043					6.00	BR	69	67	68	93	6	15	29.89	30.01
06	BKN	012				64	63	63	96	7	14	29.89	30.01	06	BKN	010					5.00	BR	69	67	68	93	7	15	29.87	30.00
09	BKN	012				70	67	68	90	13	14	29.92	30.04	09	BKN	011					5.00	BR	73	69	70	87	10	14	29.91	30.03
12	BKN	250				79	63	69	58	14	16	29.89	30.02	12	OVC	034					10.00		79	67	71	67	13	15	29.90	30.02
15	SCT	NC				80	60	68	51	14	16	29.79	29.91	15	OVC	085					10.00		80	67	71	64	9	17	29.83	29.96
18	BKN	075				74	62	67	67	15	16	29.77	29.89	18	OVC	026					10.00		76	67	70	74	12	16	29.83	29.95
21	BKN	065				69	65	66	87	12	16	29.80	29.92	21	BKN	250					10.00		72	68	69	87	8	17	29.87	30.00
24	SCT	NC				68	65	66	90	6	VR	29.79	29.91	24	BKN	011					7.00		70	68	69	93	12	15	29.87	29.99
			SUNRISE: 0645	MAR 03				SUNSET: 1821				SUNRISE: 0638	MAR 09				SUNSET: 1825													
03	BKN	011				67	65	66	93	3	VR	29.77	29.89	03	OVC	011					7.00		70	68	69	93	0	00	29.86	29.99
06	OVC	065			BR	67	66	66	97	0	00	29.80	29.93	06	OVC	014					5.00	BR	68	67	67	96	0	00	29.88	30.00
09	BKN	250				72	67	69	84	9	29	29.86	29.99	09	SCT	NC					7.00		74	68	70	82	5	VR	29.91	30.03
12	BKN	250				71	45	57	39	13	32	29.89	30.01	12	SCT	NC					10.00		82	66	71	58	7	22	29.90	30.03
15	BKN	250				74	44	58	34	14	30	29.83	29.96	15	SCT	NC					10.00		83	59	68	44	6	22	29.82	29.94
18	SCT	NC				66	45	55	47	14	32	29.86	29.98	18	SCT	NC					10.00		78	69	72	74	16	15	29.81	29.94
21	FEW	NC				56	43	50	62	10	35	29.95	30.08	21	SCT	NC					9.00		72	68	69	87	5	16	29.86	29.98
24	SCT	NC				49	39	44	69	9	34	30.00	30.13	24	OVC	014					8.00		72	68	69	87	7	17	29.85	29.98
			SUNRISE: 0643	MAR 04				SUNSET: 1822				SUNRISE: 0637	MAR 10				SUNSET: 1826													
03	SCT	NC				45	38	42	77	6	31	29.97	30.09	03	OVC	017					9.00		70	67	68	90	6	18	29.84	29.96
06	CLR	NC				42	38	40	85	0	00	29.97	30.10	06	BKN	090					10.00		68	67	67	96	0	00	29.85	29.97
09	SCT	NC				50	40	45	68	9	01	30.02	30.15	09	OVC	030					6.00	HZ	74	68	70	82	8	19	29.86	29.99
12	BKN	250				60	43	51	53	7	31	29.99	30.12	12	BKN	037					10.00		81	68	72	65	10	18	29.82	29.94
15	SCT	NC				67	44	55	44	6	VR	29.91	30.03	15	BKN	065					10.00		82	66	71	58	15	17	29.75	29.88
18	BKN	250				65	43	54	45	7	06	29.89	30.01	18	SCT	NC					10.00		78	66	70	67	14	17	29.69	29.81
21	FEW	NC				51	45	48	80	0	00	29.91	30.04	21	OVC	250					10.00		71	66	68	84	12	16	29.72	29.85
24	CLR	NC				46	44	45	93	0	00	29.93	30.06	24	OVC	020					6.00	-TSRA BR	69	68	68	96	0	00	29.83	29.96
			SUNRISE: 0642	MAR 05				SUNSET: 1823				SUNRISE: 0635	MAR 11				SUNSET: 1827													
03	CLR	NC				43	41	42	93	0	00	29.93	30.06	03	OVC	049					10.00		58	50	54	75	16	34	29.90	30.03
06	OVC	250				45	44	45	97	3	09	29.90	30.02	06	OVC	080					10.00		49	43	46	80	9	34	30.01	30.13
09	OVC	250				52	48	50	86	7	07	29.92	30.05	09	FEW	NC					10.00		48	37	43	66	14	33	30.11	30.24
12	OVC	250				66	54	59	65	13	13	29.94	30.07	12	CLR	NC					10.00		59	38	49	46	16	33	30.11	30.24
15	OVC	080				68	54	60	61	16	14	29.88	30.01	15	CLR	NC					10.00		63	38	51	40	14	33	30.07	30.19
18	SCT	NC				62	56	59	81	15	14	29.85	29.98	18	CLR	NC					10.00		58	37	48	46	13	36	30.09	30.22
21	BKN	021				61	56	58	84	15	11	29.90	30.02	21	CLR	NC					10.00		50	36	44	59	5	33	30.14	30.27
24	FEW	NC				57	56	56	96	7	08	29.89	30.02	24	CLR	NC					10.00		44	37	41	76	5	34	30.16	30.29
			SUNRISE: 0641	MAR 06				SUNSET: 1824				SUNRISE: 0634	MAR 12				SUNSET: 1827													
03	SCT	NC				55	54	54	96	5	08	29.88	30.00	03	CLR	NC					10.00		38	35	37	89	3	35	30.15	30.27
06	OVC	011			BR	58	58	58	100	0	00	29.90	30.02	06	CLR	NC					10.00		35	34	35	96	0	00	30.17	30.30
09	OVC	005			BR	64	63	63	96	7	09	29.95	30.08	09	CLR	NC					10.00		50	40	45	68	9	09	30.22	30.35
12	OVC	015			HZ	72	66	68	82	10	12	29.97	30.10	12	FEW	NC					10.00		61	39	50	44	5	VR	30.17	30.29
15	BKN	250				77	64	69	64	18	14	29.93	30.05	15	FEW	NC					10.00		65	37	51	36	6	VR	30.05	30.18
18	BKN	033				71	65	67	81	13	13	29.94	30.06	18	SCT	NC					10.00		61	44	52	54	14	14	30.04	30.16
21	OVC	023				68	64	66	87	12	11	29.97	30.09	21	FEW	NC					10.00		53	48	50	83	8	16	30.08	30.20
24	OVC	010				68	65	66	90	14	12	29.96	30.09	24	SCT	NC					10.00		48	46	47	93	0	00	30.10	30.23

# OBSERVATIONS AT 3-HOURLY INTERVALS

# HOUSTON, TX

MARCH 2000

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		DRY BULB	DEW POINT	WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL		SKY COVER	CEILING 100'S OF FT		DRY BULB	DEW POINT	WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL						
SUNRISE: 0633				MAR 13			SUNSET: 1828				SUNRISE: 0626				MAR 19			SUNSET: 1832									
03	FEW	NC		10.00		46	44	45	93	0	00	30.08	30.21	03	BKN	095		10.00		57	45	51	64	8	01	29.79	29.92
06	SCT	NC		10.00		45	44	45	97	7	07	30.08	30.21	06	OVC	085		10.00		49	46	47	90	9	28	29.93	30.06
09	FEW	NC		10.00		56	47	51	72	12	10	30.12	30.24	09	BKN	250		10.00		52	44	48	75	16	31	29.91	30.03
12	BKN	080		10.00		68	46	56	45	12	11	30.10	30.22	12	FEW	NC		10.00		62	40	51	44	16	31	29.88	30.01
15	BKN	085		10.00		70	50	59	49	12	11	30.00	30.12	15	FEW	NC		10.00		66	39	52	37	17	30	29.83	29.95
18	OVC	250		10.00		65	50	57	59	14	12	30.00	30.12	18	CLR	NC		10.00		63	35	50	35	12	30	29.82	29.95
21	BKN	250		10.00		57	51	54	81	8	14	30.03	30.16	21	CLR	NC		10.00		48	41	45	77	0	00	29.84	29.97
24	BKN	250		10.00		57	52	54	83	6	09	30.01	30.14	24	CLR	NC		10.00		44	42	43	93	0	00	29.82	29.95
SUNRISE: 0632				MAR 14			SUNSET: 1829				SUNRISE: 0625				MAR 20			SUNSET: 1832									
03	FEW	NC		10.00		54	52	53	93	8	08	29.96	30.08	03	CLR	NC		10.00		42	40	41	92	0	00	29.80	29.93
06	OVC	045		10.00		57	53	55	87	6	05	29.97	30.09	06	SCT	NC		10.00		39	38	39	96	0	00	29.82	29.95
09	OVC	250		10.00		63	55	58	76	12	08	29.93	30.06	09	BKN	250		10.00		63	48	55	58	10	17	29.87	30.00
12	OVC	150		10.00		64	59	61	84	9	10	29.92	30.04	12	BKN	250		10.00		73	47	59	40	15	12	29.83	29.95
15	OVC	010	1.50	TSRA BR		63	62	62	97	8	07	29.86	29.99	15	FEW	NC		10.00		72	47	58	41	23	11	29.77	29.89
18	OVC	022	1.00	-RA BR		62	62	62	100	0	00	29.87	29.99	18	SCT	NC		10.00		66	54	59	65	15	11	29.76	29.89
21	OVC	008		10.00		63	62	62	97	15	10	29.81	29.93	21	OVC	032		10.00		63	57	60	81	14	11	29.80	29.93
24	BKN	110		10.00		63	60	61	90	16	11	29.78	29.90	24	OVC	028		10.00		63	56	59	78	13	12	29.83	29.95
SUNRISE: 0631				MAR 15			SUNSET: 1829				SUNRISE: 0624				MAR 21			SUNSET: 1833									
03	OVC	015		10.00		63	61	62	93	7	07	29.73	29.86	03	OVC	024		10.00		60	56	58	86	8	09	29.82	29.94
06	OVC	015		10.00		62	60	61	93	7	02	29.74	29.86	06	OVC	070		10.00		62	57	59	84	10	10	29.82	29.95
09	OVC	014	9.00			65	63	64	93	6	07	29.75	29.87	09	OVC	060		10.00		65	61	63	87	13	10	29.89	30.02
12	BKN	030		10.00		72	63	66	73	3	10	29.69	29.82	12	OVC	021		10.00		69	62	65	78	18	11	29.89	30.01
15	OVC	040		10.00		72	68	69	87	6	33	29.63	29.75	15	OVC	019		10.00		72	66	68	82	18	13	29.83	29.95
18	OVC	039		10.00		69	67	68	93	8	08	29.62	29.75	18	OVC	013		10.00		70	66	67	87	15	12	29.84	29.97
21	BKN	032	8.00			64	64	64	100	3	29	29.67	29.79	21	OVC	005	4.00	-RA BR	67	67	67	100	13	07	29.90	30.02	
24	SCT	NC		10.00		62	61	61	96	3	09	29.69	29.82	24	OVC	005	4.00	BR	68	67	67	96	12	11	29.91	30.03	
SUNRISE: 0630				MAR 16			SUNSET: 1830				SUNRISE: 0622				MAR 22			SUNSET: 1834									
03	SCT	NC	0.50	FG		58	58	58	100	5	28	29.70	29.82	03	OVC	007		7.00		69	67	68	93	12	10	29.93	30.05
06	VV	001	<.25	FG		60	60	60	100	0	00	29.72	29.85	06	OVC	004		3.00	BR	65	64	64	97	9	09	29.97	30.09
09	BKN	002	0.25	BR		62	62	62	100	0	00	29.80	29.93	09	OVC	007		7.00		69	67	68	93	18	12	30.00	30.13
12	BKN	013	10.00			68	63	65	84	8	05	29.81	29.93	12	OVC	021		10.00		75	67	70	76	18	11	30.03	30.15
15	FEW	NC	10.00			75	62	67	64	6	08	29.76	29.88	15	OVC	120		10.00		77	66	70	69	23	15	29.97	30.10
18	SCT	NC	10.00			74	62	67	67	9	07	29.75	29.88	18	OVC	120		10.00		72	66	68	82	13	13	29.96	30.08
21	SCT	NC	10.00			63	61	62	93	0	00	29.84	29.97	21	OVC	016		10.00		68	65	66	90	13	11	29.98	30.10
24	OVC	250	9.00			65	60	62	84	10	04	29.84	29.96	24	OVC	130		10.00		66	63	64	90	12	13	29.95	30.07
SUNRISE: 0628				MAR 17			SUNSET: 1831				SUNRISE: 0621				MAR 23			SUNSET: 1834									
03	BKN	250		10.00		59	56	57	90	8	34	29.90	30.03	03	OVC	130		8.00		63	62	62	97	0	00	29.91	30.03
06	OVC	007		10.00		50	48	49	93	9	33	30.00	30.12	06	SCT	NC		10.00		63	62	62	97	10	11	29.91	30.03
09	OVC	060		10.00		59	54	56	83	7	04	30.04	30.16	09	SCT	NC		10.00		71	63	66	76	20	13	29.92	30.04
12	SCT	NC		10.00		73	58	64	59	12	10	29.99	30.11	12	SCT	NC		10.00		77	64	69	64	12	14	29.92	30.04
15	SCT	NC		10.00		73	58	64	59	8	31	29.90	30.03	15	BKN	041		10.00		78	65	70	64	15	13	29.87	29.99
18	OVC	013		10.00		54	50	52	87	9	33	29.95	30.07	18	OVC	032		10.00		72	65	68	79	16	12	29.86	29.98
21	OVC	085		10.00		53	50	51	89	6	36	29.96	30.09	21	BKN	250		10.00		67	64	65	91	7	15	29.88	30.00
24	OVC	080		10.00		53	50	51	89	0	00	29.94	30.06	24	SCT	NC		8.00		63	63	63	100	3	15	29.88	30.00
SUNRISE: 0627				MAR 18			SUNSET: 1831				SUNRISE: 0620				MAR 24			SUNSET: 1835									
03	OVC	021		10.00		53	50	51	89	0	00	29.87	29.99	03	OVC	009		8.00		67	66	66	97	0	00	29.87	29.99
06	OVC	006		10.00		55	52	53	90	3	07	29.86	29.98	06	BKN	015		6.00	BR	65	65	65	100	0	00	29.88	30.01
09	OVC	006	9.00			60	56	58	86	3	03	29.86	29.98	09	OVC	007		5.00	BR	72	69	70	91	3	16	29.93	30.05
12	OVC	120	9.00			77	67	70	71	12	14	29.79	29.92	12	BKN	030		10.00		81	69	73	67	10	15	29.91	30.04
15	OVC	085	10.00			75	68	70	79	5	21	29.71	29.83	15	BKN	025		10.00		78	70	73	76	12	10	29.86	29.98
18	BKN	120	10.00			76	61	67	60	7	VR	29.69	29.81	18	BKN	030		10.00		76	68	71	77	14	15	29.87	29.99
21	SCT	NC	10.00			62	58	60	86	0	00	29.73	29.85	21	SCT	NC		10.00		71	67	68	87	10	16	29.91	30.04
24	OVC	032	10.00			67	60	63	79	12	34	29.77	29.89	24	SCT	NC		9.00		66	65	65	96	6	14	29.94	30.06

# OBSERVATIONS AT 3-HOURLY INTERVALS

# HOUSTON, TX

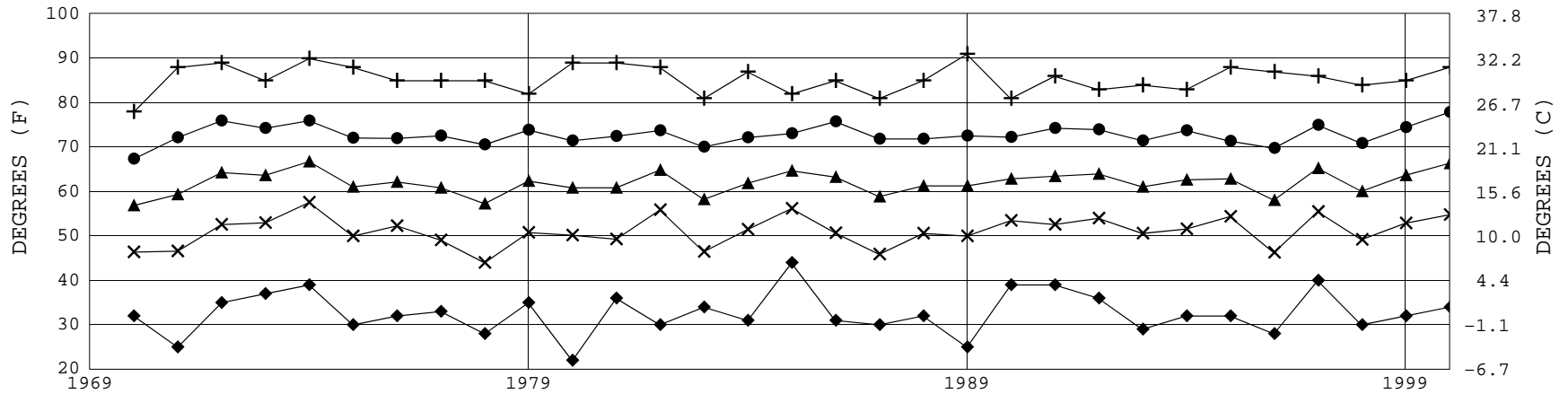
MARCH 2000

IAH

WBAN # 12960

HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)													
	FEW	SCT		OBSERVATION TIME (LST)	EFF CLD AMT Ok/as		VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION		SEA LEVEL	FEW		SCT	OBSERVATION TIME (LST)		EFF CLD AMT Ok/as	VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL										
SUNRISE: 0619							MAR 25							SUNSET: 1836							SUNRISE: 0612							MAR 31							SUNSET: 1839						
03	FEW	NC			7.00		65	65	65	100	0	00	29.92	30.04	03	FEW	NC			10.00		56	53	54	90	6	04	29.84	29.97												
06	SCT	NC			2.00	BR	62	62	62	100	0	00	29.94	30.07	06	FEW	NC			10.00		53	51	52	93	6	05	29.85	29.98												
09	BKN	016			10.00		73	66	69	79	9	16	29.99	30.11	09	BKN	150			10.00		62	55	58	78	14	08	29.92	30.04												
12	BKN	035			10.00		78	63	68	60	7	10	29.97	30.10	12	BKN	250			10.00		72	55	62	55	13	07	29.89	30.02												
15	BKN	250			10.00		83	62	70	49	10	18	29.89	30.01	15	OVC	250			10.00		76	57	64	52	14	10	29.81	29.94												
18	BKN	250			10.00		74	67	69	79	16	13	29.88	30.01	18	OVC	250			10.00		70	61	64	73	10	15	29.83	29.95												
21	BKN	250			10.00		70	66	67	87	5	18	29.94	30.07	21	BKN	250			10.00		66	62	64	87	10	12	29.83	29.96												
24	CLR	NC			8.00		68	67	67	96	7	15	29.91	30.03	24	BKN	250			9.00		65	63	64	93	10	11	29.80	29.92												
SUNRISE: 0618							MAR 26							SUNSET: 1836							3-HOURLY OBSERVATION NOTES																				
03	BKN	014			0.00	FG	67	66	66	97	0	00	29.87	29.99	Sky Cover is the amount of the sky obscured. CLR or SKC = 0, FEW = 1/8-2/8, SCT = 3/8-4/8, BKN = 5/8-7/8, OVC = 8/8, VV = Vertical Visibility = 8/8.																										
06	OVC	010			6.00	BR	68	67	67	96	3	35	29.90	30.02	Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet.																										
09	OVC	013			9.00	-RA	64	61	62	90	9	08	29.93	30.06	NC = No ceiling detected.																										
12	OVC	020			10.00		77	65	69	66	12	15	29.86	29.98	& = Original observation contained additional weather elements.																										
15	BKN	045			10.00		82	68	73	63	8	15	29.73	29.86	See page 3 for additional notes.																										
18	BKN	250			10.00		79	69	72	72	7	16	29.66	29.79																											
21	BKN	250			10.00		74	66	69	76	5	20	29.67	29.80																											
24	BKN	250			10.00		70	67	68	90	6	23	29.65	29.77																											
SUNRISE: 0616							MAR 27							SUNSET: 1837																											
03	OVC	012			9.00		70	68	69	93	10	23	29.60	29.72																											
06	OVC	010			9.00		71	67	68	87	5	29	29.63	29.75																											
09	BKN	023			5.00	BR	73	69	70	87	7	03	29.69	29.81																											
12	SCT	NC			10.00		82	61	69	49	12	04	29.68	29.81																											
15	BKN	250			10.00		81	50	63	34	13	03	29.63	29.75																											
18	FEW	NC			10.00		78	49	61	36	6	05	29.61	29.74																											
21	FEW	NC			10.00		62	51	56	67	0	00	29.64	29.77																											
24	CLR	NC			10.00		57	50	53	78	0	00	29.64	29.77																											
SUNRISE: 0615							MAR 28							SUNSET: 1837																											
03	CLR	NC			10.00		54	51	52	90	0	00	29.58	29.71																											
06	SCT	NC			4.00	BR	51	51	51	100	0	00	29.58	29.71																											
09	BKN	030			5.00	BR	70	66	67	87	6	22	29.63	29.76																											
12	OVC	037			9.00		77	68	71	74	8	15	29.59	29.71																											
15	BKN	032			9.00		82	68	73	63	20	14	29.51	29.63																											
18	BKN	043			10.00		76	67	70	74	13	15	29.51	29.63																											
21	OVC	021			10.00		72	67	69	84	8	17	29.53	29.66																											
24	BKN	030			7.00		70	68	69	93	10	15	29.53	29.66																											
SUNRISE: 0614							MAR 29							SUNSET: 1838																											
03	OVC	028			9.00		71	68	69	90	9	15	29.48	29.60																											
06	OVC	023			9.00		70	68	69	93	5	16	29.52	29.65																											
09	BKN	070			8.00		75	69	71	82	5	VR	29.60	29.72																											
12	BKN	250			10.00		83	68	73	61	8	16	29.56	29.68																											
15	BKN	250			10.00		87	67	73	51	7	14	29.51	29.64																											
18	SCT	NC			9.00		80	72	75	76	12	14	29.53	29.65																											
21	FEW	NC			8.00		72	70	71	94	5	16	29.60	29.72																											
24	FEW	NC			8.00		68	68	68	100	0	00	29.64	29.76																											
SUNRISE: 0613							MAR 30							SUNSET: 1839																											
03	CLR	NC			10.00		65	57	60	76	8	35	29.70	29.82																											
06	CLR	NC			10.00		59	53	56	81	8	34	29.76	29.89																											
09	SCT	NC			10.00		64	53	58	68	10	33	29.83	29.95																											
12	SCT	NC			10.00		74	54	62	50	8	02	29.82	29.95																											
15	SCT	NC			10.00		81	55	65	41	10	02	29.77	29.90																											
18	SCT	NC			10.00		76	56	64	50	9	01	29.79	29.91																											
21	FEW	NC			10.00		64	55	59	73	6	35	29.86	29.98																											
24	FEW	NC			10.00		59	55	57	87	8	06	29.89	30.01																											

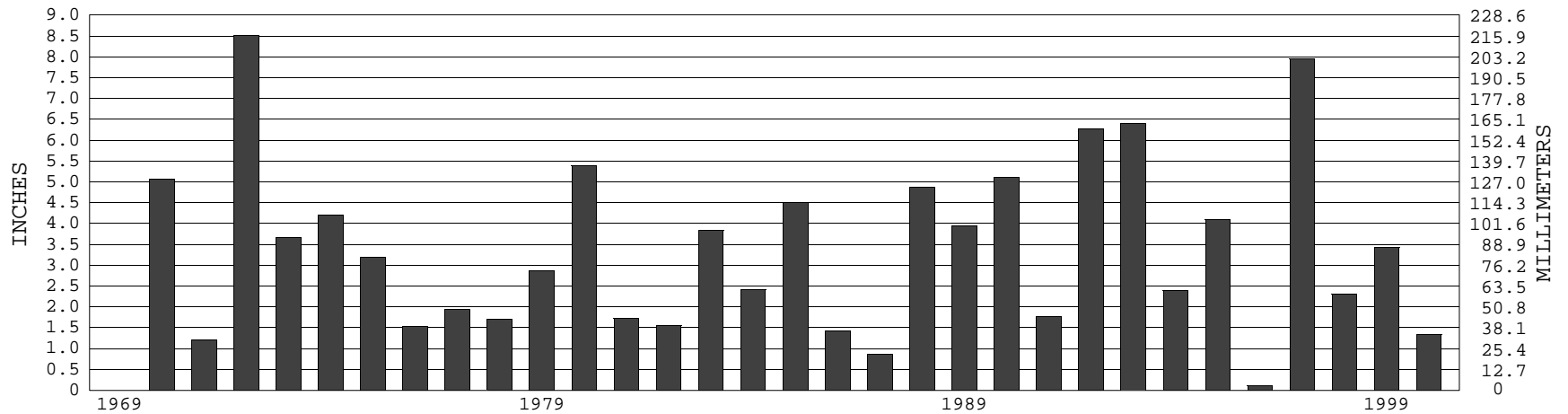
### HOUSTON, TX MARCH TEMPERATURES



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

Long-Term (1969-2000) Mean: 60.1      1961-1990 Normal: 60.6

### HOUSTON, TX MARCH PRECIPITATION



Long-Term (1969-2000) Mean Monthly Total: 3.31

1961-1990 Normal: 2.92



**MARCH 2000  
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.*

DIRECTOR

## NOTICE

Effective July 1, 1996, the National Weather Service & Federal Aviation Administration began using the METAR format for Hourly Observations.

We welcome your questions or comments, please contact us at  
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