



JANUARY 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

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	71	37	54	2	42	48	11	0	BR HZ	0		0.0	0.00	29.75	29.87	3.5	21	5.1	31	31	21	31	01	
02	54	38	46	-6	30	39	19	0		0		0.0	0.00	30.06	30.17	12.8	31	13.1	35	31	28	30	02	
03	61	35	48	-4	35	42	17	0		0		0.0	0.00	30.15	30.27	1.4	25	2.5	10	29	9	25	03	
04	68	38	53	1	42	48	12	0	MIFG	0		0.0	0.00	30.06	30.17	4.0	21	4.5	14	21	12	19	04	
05	71	42	57	5	50	53	8	0	BR	0		0.0	0.00	30.00	30.12	1.7	25	2.6	18	28	14	26	05	
06	69	47	58	6	46	51	7	0	FG+ BR	0		0.0	0.00	30.20	30.32	5.6	02	6.0	20	02	17	04	06	
07	61	40	51	-1	38	44	14	0		0		0.0	0.00	30.34	30.46	3.5	34	4.5	16	29	12	31	07	
08	70	38	54	3	42	48	11	0		0		0.0	0.00	30.09	30.21	4.3	23	4.6	17	22	14	23	08	
09	76	53	65	14	55	59	0	0		0		0.0	0.00	29.78	29.90	8.5	24	10.1	28	32	23	32	09	
10	59	44	52	1	27	42	13	0		0		0.0	0.00	30.07	30.19	10.1	35	10.4	24	01	21	36	10	
11	50	40	45	-6	32	40	20	0	RA	0		0.0	0.20	30.22	30.34	7.0	05	7.8	15	06	13	06	11	
12	40	37	39	-12	37	37	26	0	RA BR	0		0.0	0.45	30.26	30.37	11.2	04	11.5	21	05	18	01	12	
13	54	37	46	-5	36	40	19	0		0		0.0	0.00	30.26	30.38	3.7	36	5.3	13	02	12	02	13	
14	47	35	41	-10	40	41	24	0		0		0.0	0.00	30.27	30.39	1.5	36	3.2	10	07	9	28	14	
15	51	43	47	-4	44	46	18	0	BR HZ	0		0.0	0.00	30.20	30.32	5.9	10	7.6	18	15	16	14	15	
16	58	36	47	-4	34	43	18	0	BR	0		0.0	0.00	30.20	30.32	12.5	32	13.4	38*	33	31*	33	16	
17	47	30	39	-13	18	31	26	0		0		0.0	0.00	30.38	30.51	8.3	01	8.7	23	01	18	01	17	
18	54	28*	41	-11	23	34	24	0		0		0.0	0.00	30.28	30.40	2.8	26	3.6	17	25	13	28	18	
19	64	31	48	-4	37	44	17	0		0		0.0	0.00	30.23	30.34	4.4	19	5.0	18	24	14	24	19	
20	74	54	64	12	59	62	1	0		0		0.0	0.00	30.02	30.14	9.6	19	9.9	26	22	20	21	20	
21	78*	63	71*	19	62	65	0	6		0		0.0	0.00	29.85	29.97	8.0	22	8.9	23	22	17	22	21	
22	65	45	55	3	41	46	10	0		0		0.0	0.00	30.02	30.14	13.0	36	13.2	28	04	22	01	22	
23	46	33	40	-12	22	33	25	0		0		0.0	0.00	30.39	30.51	9.9	36	10.6	28	34	21	02	23	
24	46	29	38*	-14	15	30	27	0		0		0.0	0.00	30.40	30.52	6.9	09	8.6	17	11	15	10	24	
25	47	37	42	-10	34	39	23	0	RA BR	0		0.0	0.05	30.20	30.32	9.1	08	9.3	20	09	15	08	25	
26	45	37	41	-11	40	42	24	0	RA BR	0		0.0	0.98	30.22	30.34	10.1	02	10.4	24	04	20	03	26	
27	53	43	48	-4	44	46	17	0	RA	0		0.0	T	30.27	30.39	4.1	09	7.2	14	11	12	11	27	
28	70	51	61	8	58	60	4	0	RA FG+ BR	0		0.0	0.02	30.03	30.15	6.2	17	7.6	22	18	16	21	28	
29	69	50	60	7	58	60	5	0	RA BR	0		0.0	0.39	30.00	30.12	5.0	29	9.7	23	34	18	33	29	
30	54	49	52	-1	48	50	13	0	BR	0		0.0	0.00	30.09	30.21	5.5	36	6.9	20	03	14	36	30	
31	64	49	57	4	49	52	8	0	BR	0		0.0	0.00	30.04	30.16	3.8	26	5.1	20	26	14	30	31	

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59.2		40.9		50.1		39.9		45.7		14.9		0.2		< MONTHLY AVERAGES		TOTALS->		0.0		2.09		30.14		30.26		2.0		35		7.7		<- MONTHLY AVERAGES	
-3.1		-.3		-1.7		<-----		DEPARTURE FROM NORMAL		----->		-1.59		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3																			
DEGREE DAYS										GREATEST 24-HR PRECIPITATION: 1.00 DATE: 25-26										SEA LEVEL PRESSURE DATE TIME													
MONTHLY TOTAL DEPARTURE					SEASON TO DATE TOTAL DEPARTURE					GREATEST 24-HR SNOWFALL: 0.0 DATE:					MAXIMUM MINIMUM					: 30.63 24 0853					: 29.78 09 1553								
HEATING: 461 34					1007 -14					NUMBER OF DAYS WITH =>					MAXIMUM TEMP ≥ 90: 0					MINIMUM TEMP ≤ 32: 4					PRECIPITATION ≥ 0.01 INCH: 6								
COOLING: 6 -9					6 -9										MAXIMUM TEMP ≤ 32: 0					MINIMUM TEMP ≤ 0: 0					PRECIPITATION ≥ 0.10 INCH: 4								
															THUNDERSTORMS: 0					HEAVY FOG: 2					SNOWFALL ≥ 1.0 INCH: 0								

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

HOUSTON, TX

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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			DATE	Water
01													01												01		0.00		
02													02												02		0.00		
03													03												03		0.00		
04													04												04		0.00		
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		0.20		
12	0.02	0.04	0.01	T	T	0.02	0.01	0.03	0.02	0.07	0.02	0.01	12	0.01	T	0.06	0.01	0.02	0.01	0.03	0.04	0.03	0.03	0.02	0.01	12		0.45	
13													13								0.03	T	T		13		0.00		
14													14												14		0.00		
15													15												15		0.00		
16													16												16		0.00		
17													17												17		0.00		
18													18												18		0.00		
19													19												19		0.00		
20													20												20		0.00		
21													21												21		0.00		
22													22												22		0.00		
23													23												23		0.00		
24													24												24		0.00		
25				T	T		T	T	0.01			T	25		0.01	0.01	T		T	T		T	T	0.02	25		0.05		
26				T	T	T	0.13	0.24	0.16	0.23	0.06	0.08	26	0.04	0.01	0.01	T	0.02	T	T				26		0.98			
27					T	T							27												27		T		
28													28			T	T								28		0.02		
29	T	T					0.31	0.01	0.06		0.01	0.01	29												29		0.39		
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)	.17	.29	.32	.32	.32	.32	.35	.40	.42	.47	.60	.67
Ending Date	29	29	29	29	29	29	26	26	26	26	26	26
Ending Time (Hour/Min)	0649	0653	0703	0703	0703	0703	0947	1004	0856	0911	0947	1014

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

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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							3.00	10.00	
02							9.00	10.00	
03							10.00	10.00	
04							9.00	10.00	
05							6.00	10.00	
06							.25	10.00	
07							10.00	10.00	
08							9.00	10.00	
09							10.00	10.00	
10							10.00	10.00	
11							8.00	10.00	
12							4.00	10.00	
13							10.00	10.00	
14							7.00	10.00	
15							3.00	9.00	
16							4.00	10.00	
17							10.00	10.00	
18							10.00	10.00	
19							10.00	10.00	
20							9.00	10.00	
21							10.00	10.00	
22							8.00	10.00	
23							9.00	10.00	
24							10.00	10.00	
25							6.00	10.00	
26							1.00	10.00	
27							7.00	10.00	
28							.25	10.00	
29							2.50	10.00	
30							5.00	10.00	
31							6.00	10.00	
MONTHLY AVGS							7.08	9.97	
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									
2 6 20									

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX

JANUARY 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: 0718				JAN 13				SUNSET: 1742				SUNRISE: 0717				JAN 19				SUNSET: 1747									
03	OVC	015		10.00	37	36	37	96	9	36	30.27	30.39	03	CLR	NC		10.00	33	29	32	85	0	00	30.24	30.36				
06	OVC	055		10.00	37	34	36	89	8	36	30.26	30.38	06	CLR	NC		10.00	32	29	31	88	0	00	30.26	30.38				
09	OVC	055		10.00	38	34	36	86	8	34	30.32	30.44	09	FEW	NC		10.00	40	34	37	79	0	00	30.28	30.40				
12	FEW	NC		10.00	47	31	40	54	3	VR	30.30	30.42	12	FEW	NC		10.00	57	29	45	34	8	19	30.29	30.41				
15	CLR	NC		10.00	53	37	46	55	5	07	30.19	30.31	15	BKN	048		10.00	63	37	50	38	13	22	30.19	30.31				
18	FEW	NC		10.00	50	40	45	68	5	30	30.23	30.35	18	OVC	047		10.00	61	44	52	54	6	17	30.16	30.28				
21	FEW	NC		10.00	44	39	42	83	3	VR	30.25	30.37	21	OVC	032		10.00	57	50	53	78	7	15	30.16	30.29				
24	FEW	NC		10.00	37	37	37	100	0	00	30.25	30.37	24	OVC	037		10.00	59	53	56	81	10	18	30.14	30.26				
SUNRISE: 0718				JAN 14				SUNSET: 1743				SUNRISE: 0717				JAN 20				SUNSET: 1748									
03	CLR	NC		9.00	36	35	36	97	0	00	30.25	30.37	03	BKN	055		10.00	57	54	55	90	3	17	30.12	30.24				
06	BKN	022		10.00	38	37	38	97	0	00	30.26	30.38	06	OVC	016		10.00	59	57	58	93	8	18	30.08	30.20				
09	OVC	016		8.00	42	40	41	92	0	00	30.29	30.41	09	OVC	037		9.00	63	60	61	90	9	18	30.09	30.21				
12	OVC	013		10.00	45	41	43	86	7	29	30.31	30.43	12	BKN	044		10.00	70	61	64	73	14	21	30.05	30.16				
15	OVC	015		10.00	47	41	44	80	6	VR	30.25	30.37	15	OVC	045		10.00	73	60	65	64	13	21	29.95	30.07				
18	OVC	015		9.00	46	41	44	83	3	27	30.26	30.38	18	OVC	034		10.00	70	61	64	73	10	19	29.94	30.06				
21	OVC	015		9.00	45	41	43	86	7	04	30.29	30.41	21	OVC	017		10.00	67	62	64	84	13	19	29.93	30.05				
24	OVC	013		8.00	44	40	42	85	6	05	30.28	30.40	24	BKN	018		10.00	67	63	64	87	10	20	29.92	30.04				
SUNRISE: 0718				JAN 15				SUNSET: 1744				SUNRISE: 0717				JAN 21				SUNSET: 1749									
03	OVC	013		8.00	44	41	43	89	3	05	30.28	30.40	03	OVC	018		10.00	67	63	64	87	13	21	29.89	30.01				
06	OVC	013	BR	6.00	44	42	43	93	3	01	30.27	30.40	06	OVC	016		10.00	67	63	64	87	9	21	29.87	29.99				
09	OVC	014	BR	4.00	45	42	44	90	8	07	30.27	30.39	09	OVC	016		10.00	67	62	64	84	9	22	29.88	30.00				
12	OVC	014		8.00	49	43	46	80	7	11	30.26	30.38	12	BKN	020		10.00	70	62	65	76	13	21	29.87	29.98				
15	OVC	020		7.00	51	45	48	80	12	13	30.15	30.27	15	FEW	NC		10.00	76	61	67	60	5	22	29.79	29.90				
18	OVC	014	BR	3.00	49	45	47	86	12	13	30.11	30.24	18	SCT	NC		10.00	74	62	67	67	6	19	29.77	29.88				
21	OVC	011		8.00	49	46	48	90	14	14	30.08	30.20	21	OVC	017		10.00	68	63	65	84	5	23	29.83	29.95				
24	BKN	043		8.00	49	47	48	93	6	02	30.06	30.18	24	OVC	017		10.00	66	63	64	90	3	35	29.87	29.99				
SUNRISE: 0718				JAN 16				SUNSET: 1745				SUNRISE: 0716				JAN 22				SUNSET: 1750									
03	BKN	045	BR	5.00	49	48	48	97	0	00	30.03	30.15	03	OVC	019		10.00	55	43	49	64	13	35	29.89	30.01				
06	OVC	060		7.00	53	51	52	93	6	28	30.08	30.20	06	OVC	017		10.00	50	41	46	71	14	01	29.93	30.05				
09	SCT	NC		10.00	54	47	50	77	17	32	30.18	30.30	09	OVC	021		8.00	48	41	45	77	13	34	30.01	30.12				
12	CLR	NC		10.00	56	27	44	33	25	31	30.23	30.35	12	BKN	031		9.00	54	44	49	69	14	01	30.00	30.11				
15	CLR	NC		10.00	55	27	43	34	23	30	30.20	30.32	15	OVC	027		10.00	54	43	49	67	16	01	29.98	30.10				
18	CLR	NC		10.00	48	21	38	34	17	32	30.27	30.40	18	OVC	055		10.00	51	42	47	71	7	34	30.08	30.19				
21	CLR	NC		10.00	42	19	34	40	13	34	30.36	30.48	21	FEW	NC		10.00	49	40	45	71	8	01	30.15	30.27				
24	FEW	NC		10.00	37	21	31	52	12	34	30.40	30.53	24	CLR	NC		10.00	45	30	39	56	14	01	30.25	30.37				
SUNRISE: 0718				JAN 17				SUNSET: 1746				SUNRISE: 0716				JAN 23				SUNSET: 1751									
03	CLR	NC		10.00	33	20	29	59	9	34	30.43	30.55	03	CLR	NC		10.00	41	30	37	65	9	01	30.28	30.40				
06	CLR	NC		10.00	30	21	27	69	13	36	30.41	30.53	06	CLR	NC		10.00	38	26	33	62	10	35	30.36	30.47				
09	FEW	NC		10.00	32	21	28	64	16	01	30.45	30.57	09	CLR	NC		10.00	37	17	30	44	16	35	30.44	30.56				
12	FEW	NC		10.00	41	19	33	41	9	01	30.43	30.55	12	CLR	NC		10.00	41	17	33	38	10	34	30.45	30.58				
15	BKN	250		10.00	46	13	35	26	7	03	30.33	30.45	15	CLR	NC		10.00	46	18	36	33	10	35	30.37	30.49				
18	BKN	250		10.00	44	11	33	26	8	04	30.31	30.43	18	FEW	NC		10.00	42	18	34	38	12	03	30.37	30.49				
21	BKN	250		10.00	34	21	29	59	0	00	30.33	30.46	21	CLR	NC		10.00	38	20	32	48	7	02	30.42	30.54				
24	OVC	130		10.00	36	21	31	55	0	00	30.32	30.44	24	CLR	NC		9.00	34	20	29	56	6	04	30.44	30.56				
SUNRISE: 0717				JAN 18				SUNSET: 1746				SUNRISE: 0716				JAN 24				SUNSET: 1752									
03	SCT	NC		10.00	34	25	31	70	3	31	30.31	30.43	03	CLR	NC		10.00	31	15	26	52	9	05	30.45	30.57				
06	CLR	NC		10.00	30	25	28	82	0	00	30.32	30.44	06	CLR	NC		10.00	29	11	24	47	8	05	30.45	30.57				
09	CLR	NC		10.00	36	23	31	59	0	00	30.33	30.45	09	BKN	250		10.00	31	7	24	36	9	10	30.50	30.63				
12	CLR	NC		10.00	47	13	35	25	8	24	30.30	30.42	12	BKN	250		10.00	38	7	29	27	5	VR	30.45	30.57				
15	CLR	NC		10.00	52	20	40	28	7	29	30.21	30.33	15	BKN	250		10.00	45	15	35	30	7	10	30.33	30.45				
18	CLR	NC		10.00	49	27	40	43	3	24	30.21	30.33	18	BKN	049		10.00	43	18	34	37	8	13	30.33	30.45				
21	CLR	NC		10.00	44	26	37	49	5	21	30.24	30.36	21	OVC	060		10.00	39	26	34	60	13	14	30.34	30.46				
24	CLR	NC		10.00	38	29	34	70	3	22	30.26	30.38	24	OVC	070		10.00	40	24	34	53	7	08	30.31	30.43				

OBSERVATIONS AT 3-HOURLY INTERVALS

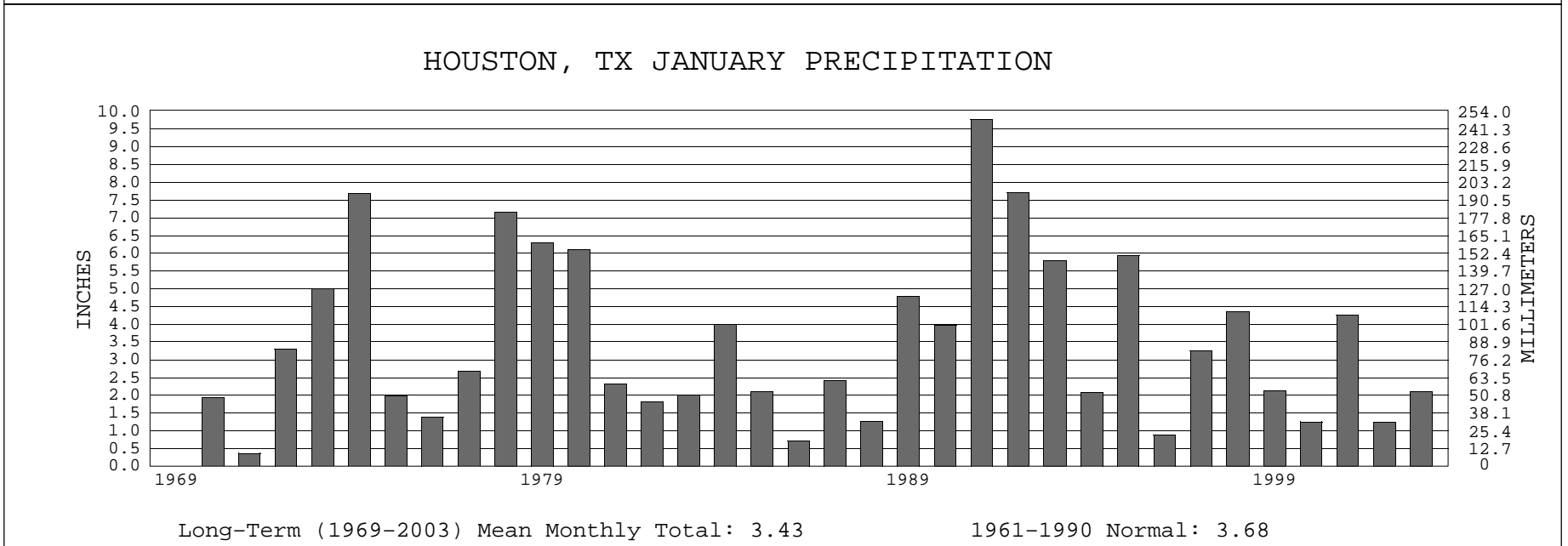
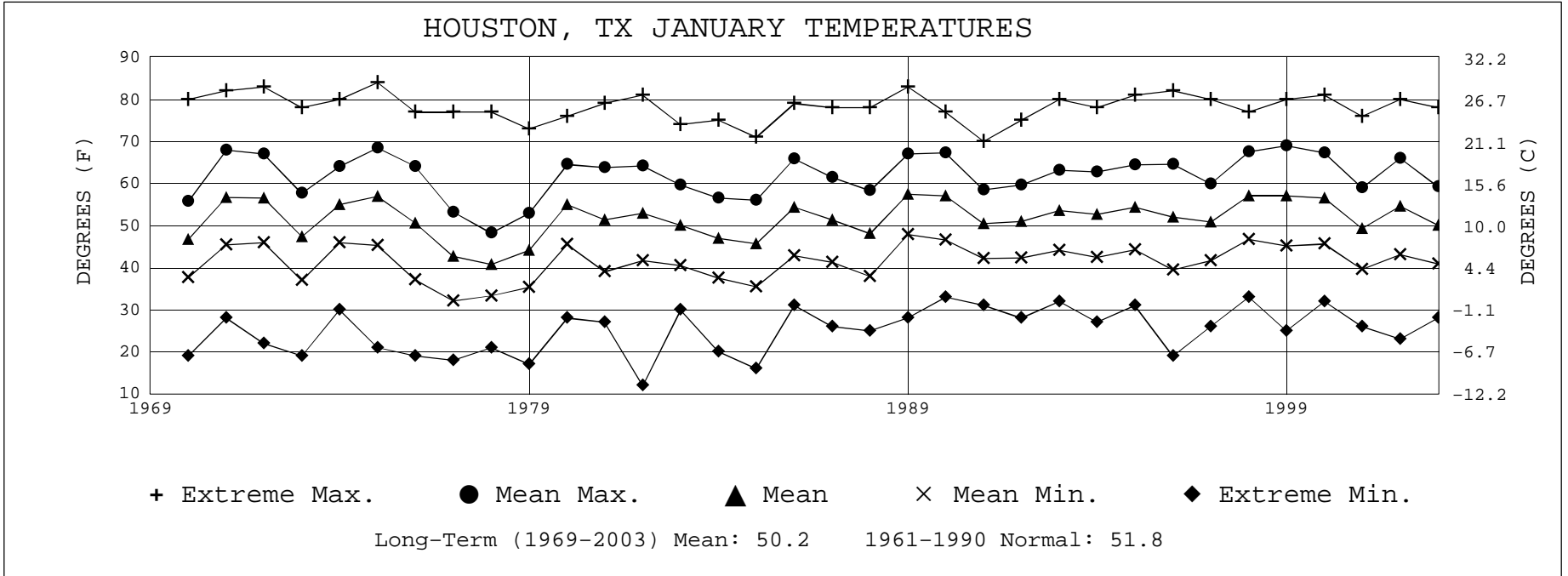
HOUSTON, TX

JANUARY 2003

IAH

WBAN # 12960

HOUR (LST)	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)					
	SKY COVER	CEILING 100'S OF FT			OBSERVATION TIME (LST)	EFF CLD AMT Oktas	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	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
SUNRISE: 0715					JAN 25					SUNSET: 1752					SUNRISE: 0712					JAN 31					SUNSET: 1758				
03	OVC	055	10.00		41	26	35	55	8	09	30.26	30.38	03	OVC	012	9.00		51	48	50	89	5	17	30.04	30.16				
06	OVC	045	10.00		39	30	35	70	8	08	30.25	30.37	06	OVC	015	10.00		52	48	50	86	3	21	30.02	30.14				
09	OVC	042	10.00		37	32	35	82	10	07	30.26	30.38	09	OVC	017	6.00	BR	53	47	50	80	7	VR	30.03	30.15				
12	OVC	040	10.00		43	36	40	76	8	08	30.22	30.34	12	SCT	NC	8.00		58	49	53	72	12	30	30.08	30.20				
15	OVC	043	10.00		46	40	43	79	12	08	30.13	30.25	15	SCT	NC	10.00		63	49	55	60	7	29	30.00	30.12				
18	OVC	033	10.00	-RA	47	38	43	71	10	08	30.13	30.25	18	SCT	NC	10.00		61	50	55	67	3	26	30.01	30.13				
21	OVC	027	10.00		46	29	39	51	13	10	30.15	30.27	21	FEW	NC	8.00		52	50	51	93	0	00	30.06	30.18				
24	OVC	018	10.00		43	38	41	82	6	03	30.14	30.26	24	FEW	NC	6.00	BR	50	48	49	93	0	00	30.08	30.20				
SUNRISE: 0715					JAN 26					SUNSET: 1753					3-HOURLY OBSERVATION NOTES														
03	OVC	016	10.00		42	34	39	73	9	05	30.13	30.25	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	018	9.00	-RA	39	35	37	86	15	02	30.16	30.28	Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet.																
09	OVC	007	3.00	+RA BR	37	36	37	96	15	02	30.21	30.33	NC= No ceiling detected.																
12	OVC	005	1.50	-RA BR	42	42	42	100	10	01	30.25	30.37	& = Original observation contained additional weather elements.																
15	OVC	005	8.00		45	44	45	97	10	36	30.19	30.31	See page 3 for additional notes.																
18	OVC	004	8.00		44	43	44	96	12	01	30.27	30.39																	
21	OVC	006	10.00		45	44	45	97	8	01	30.31	30.43																	
24	OVC	019	8.00		45	44	45	97	9	35	30.31	30.42																	
SUNRISE: 0714					JAN 27					SUNSET: 1754					SUMMARY BY HOUR														
03	OVC	025	10.00		46	44	45	93	6	35	30.30	30.42	AVERAGES																
06	OVC	060	8.00		44	42	43	93	6	36	30.29	30.41	RESULTANT WIND (MPH)																
09	OVC	027	8.00		44	41	43	89	7	01	30.32	30.44	HOUR (LST)																
12	OVC	025	10.00		49	40	45	71	7	12	30.33	30.45	CEILOMETER																
15	OVC	023	10.00		53	44	49	72	10	13	30.25	30.37	EFF CLD AMT																
18	OVC	029	10.00		52	44	48	75	9	15	30.22	30.34	DRY BULB																
21	OVC	035	10.00		51	45	48	80	10	12	30.20	30.32	DEW POINT																
24	OVC	008	10.00		51	47	49	86	5	10	30.17	30.29	WET BULB																
SUNRISE: 0714					JAN 28					SUNSET: 1755					RELATIVE HUMIDITY														
03	OVC	006	8.00		52	50	51	93	7	09	30.10	30.22	PRESSURE (INCHES, HG)																
06	OVC	004	4.00	BR	54	54	54	100	6	13	30.06	30.18	STATION																
09	OVC	002	1.75	BR	54	60	60	100	7	16	30.07	30.19	SEA LEVEL																
12	OVC	014	7.00		68	64	66	87	10	19	30.06	30.18	VISIBILITY (MILES)																
15	OVC	020	10.00		69	64	66	84	5	18	29.98	30.09	WIND SPEED (MPH)																
18	OVC	120	10.00		66	59	62	78	7	17	29.97	30.09	SPEED																
21	OVC	110	10.00		64	60	62	87	9	16	29.96	30.08	DIRECTION																
24	OVC	008	7.00		62	61	61	96	5	16	29.98	30.10																	
SUNRISE: 0713					JAN 29					SUNSET: 1756																			
03	OVC	005	8.00		63	63	63	100	3	VR	29.96	30.08																	
06	OVC	011	10.00		65	64	64	97	8	18	29.96	30.08																	
09	OVC	006	7.00	-RA	65	65	65	100	5	22	30.00	30.12																	
12	OVC	018	10.00		68	64	66	87	8	28	30.00	30.12																	
15	OVC	027	10.00		68	60	63	76	14	29	29.96	30.07																	
18	OVC	047	10.00		60	50	55	70	14	33	30.01	30.12																	
21	OVC	041	10.00		53	48	50	83	14	34	30.06	30.18																	
24	SCT	NC	8.00		50	45	48	83	10	33	30.06	30.18																	
SUNRISE: 0713					JAN 30					SUNSET: 1757																			
03	OVC	016	8.00		51	46	49	83	10	35	30.08	30.20																	
06	OVC	017	6.00	BR	50	48	49	93	7	34	30.09	30.22																	
09	OVC	007	10.00		50	48	49	93	10	36	30.13	30.25																	
12	OVC	009	10.00		52	49	50	89	7	03	30.13	30.25																	
15	OVC	011	10.00		53	49	51	86	6	VR	30.07	30.19																	
18	OVC	013	8.00		52	48	50	86	8	02	30.08	30.20																	
21	OVC	016	8.00		51	49	50	92	0	00	30.07	30.19																	
24	OVC	013	8.00		51	50	51	96	3	11	30.07	30.19																	





JANUARY 2003

HOUSTON, TX

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

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