



DECEMBER 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

DECEMBER 2000
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	70	55	63	6	53	57	2	0	RA BR HZ	0		0.0	0.01	30.06	30.18	4.4	36	6.2	22	36	16	35	01	
02	55	40	48	-9	34	41	17	0		0		0.0	0.00	30.29	30.42	9.4	35	9.6	22	34	17	02	02	
03	50	37	44	-12	36	40	21	0	RA	0		0.0	0.01	30.35	30.47	4.0	36	4.6	17	03	15	03	03	
04	54	38	46	-10	38	42	19	0		0		0.0	0.00	30.32	30.45	2.9	01	3.8	12	02	9	33	04	
05	59	35	47	-9	38	43	18	0		0		0.0	0.00	30.23	30.36	0.6	22	2.2	9	11	8	03	05	
06	53	46	50	-6	45	47	15	0	RA BR	0		0.0	0.37	30.06	30.18	4.4	34	5.4	23	34	16	33	06	
07	59	34	47	-9	39	43	18	0		0		0.0	0.00	30.04	30.16	0.8	22	3.0	15	32	9	23	07	
08	68	34	51	-4	44	47	14	0	FG BR	0		0.0	0.00	29.97	30.10	1.5	20	2.0	13	20	10	20	08	
09	69	45	57	2	54	55	8	0	FG+ BR	0		0.0	0.01	29.95	30.07	4.7	13	5.7	16	13	14	13	09	
10	77	49	63*	8	59	60	2	0	FG+ BR	0		0.0	0.00	29.89	30.01	4.4	16	4.9	17	16	13	15	10	
11	78*	38	58	3	53	57	7	0	RA BR	0		0.0	0.01	29.90	30.03	2.9	32	9.1	31	33	25	32	11	
12	39	32	36*	-18	21	31	29	0	RA	0		0.0	0.01	30.19	30.31	9.8	01	10.4	30	01	22	36	12	
13	47	34	41	-13	38	39	24	0	TSRA RA BR	0		0.0	0.58	29.99	30.11	5.5	34	6.4	29	14	17	28	13	
14	55	39	47	-7	40	42	18	0		0		0.0	0.00	30.20	30.33	5.1	03	6.3	15	07	13	07	14	
15	61	41	51	-2	47	48	14	0	RA FG+ BR	0		0.0	0.02	29.97	30.10	4.6	09	5.8	21	33	16	11	15	
16	68	41	55	2	43	51	10	0	RA DZ BR	0		0.0	T	29.97	30.10	9.4	29	12.7	41*	33	32*	32	16	
17	52	27	40	-13	23	34	25	0		0		0.0	0.00	30.23	30.36	1.6	16	4.5	14	02	9	01	17	
18	63	36	50	-3	41	47	15	0	RA BR	0		0.0	0.06	30.05	30.18	5.2	32	8.3	30	33	22	33	18	
19	54	31	43	-9	26	36	22	0		0		0.0	0.00	30.26	30.39	5.0	31	6.3	24	34	18	34	19	
20	66	32	49	-3	42	47	16	0		0		0.0	0.00	29.92	30.05	7.0	16	7.7	26	16	18	17	20	
21	56	36	46	-6	30	40	19	0		0		0.0	0.00	30.12	30.25	8.8	36	9.2	29	02	22	02	21	
22	52	29	41	-11	24	35	24	0		0		0.0	0.00	30.27	30.40	5.2	08	7.2	23	05	16	07	22	
23	57	43	50	-2	41	46	15	0		0		0.0	0.00	30.14	30.27	8.9	09	9.2	17	12	15	11	23	
24	53	46	50	-2	47	48	15	0	RA DZ BR	0		0.0	1.00	30.14	30.27	6.5	04	7.7	29	07	14	08	24	
25	57	48	53	1	45	48	12	0	RA	0		0.0	T	30.11	30.23	12.9	09	13.0	24	11	20	09	25	
26	61	41	51	-1	46	48	14	0	RA BR	0		0.0	0.22	30.01	30.14	6.5	05	10.1	21	07	16	09	26	
27	41	36	39	-12	36	37	26	0	RA BR	0		0.0	0.09	30.03	30.16	9.2	32	9.6	22	31	17	31	27	
28	54	36	45	-6	37	40	20	0	BR	0		0.0	0.00	30.01	30.13	7.3	32	7.8	21	29	15	35	28	
29	54	36	45	-6	33	39	20	0	BR	0		0.0	0.00	30.17	30.30	7.4	34	7.9	22	32	16	33	29	
30	53	26*	40	-11	28	34	25	0		0		0.0	0.00	30.24	30.37	2.2	02	2.9	16	13	12	01	30	
31	44	29	37	-14	31	35	28	0	RA BR	0		0.0	0.30	30.19	30.32	6.8	07	8.1	22	06	17	08	31	
57.4 37.7 47.6 ■■										39.1 43.8 17.2 0.0		< MONTHLY AVERAGES TOTALS->		0.0 2.69		30.11 30.23		2.7 02 7.0		<- MONTHLY AVERAGES				
-7.3 -4.5 -5.9 ■■										<-----DEPARTURE FROM NORMAL----->		- .76		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3										
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 1.00 DATE: 24				SEA LEVEL PRESSURE DATE TIME											
MONTHLY TOTAL DEPARTURE									GREATEST 24-HR SNOWFALL: 0.0 DATE:				MAXIMUM : 30.54 17 0953											
SEASON TO DATE TOTAL DEPARTURE									GREATEST SNOW DEPTH: 0 DATE:				MINIMUM : 29.85 16 0453											
HEATING: 532			158			855			269			NUMBER OF DAYS WITH →		MAXIMUM TEMP ≥ 90: 0		MINIMUM TEMP ≤ 32: 7		PRECIPITATION ≥ 0.01 INCH: 13						
COOLING: 0			-18			3272			572					MAXIMUM TEMP ≤ 32: 0		MINIMUM TEMP ≤ 0: 0		PRECIPITATION ≥ 0.10 INCH: 5						
														THUNDERSTORMS: 1		HEAVY FOG: 3		SNOWFALL ≥ 1.0 INCH: 0						

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

HOUSTON, TX

DECEMBER 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	T				0.01							01		0.01		
02													02												02		0.00		
03													03												03		0.01		
04													04					T	0.01	T					04		0.00		
05													05												05		0.00		
06					T	0.01	T		T	0.26	0.08	0.02	06	T	T										06		0.37		
07													07												07		0.00		
08								0.01					08												08		0.00		
09													09												09		0.01		
10													10												10		0.00		
11													11												11	T	0.01		
12													12												12		0.01		
13	T	T	0.04		0.28	0.11	0.05	0.09	0.01	T	T	T	13							T	T	T	T		13		0.58		
14													14												14		0.00		
15					T	0.01	T						15										0.01		15		0.02		
16			T			T	T	T	T				16												16		T		
17													17												17		0.00		
18								T				0.06	18												18		0.06		
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		T	T	0.06			T	T	0.01	0.03	T	0.07	24	0.20	0.06	0.06	0.12	0.08	0.08	0.18	0.02	T	0.02	0.01	24		1.00		
25	T					T							25					T	T						25		T		
26			T	T							T	T	26					T	0.19	T	T	T	0.03	T	T	26	0.22		
27	0.04	T	0.01	0.02	0.01								27	0.01	T	T									27		0.09		
28													28												28		0.00		
29													29												29		0.00		
30													30												30		0.00		
31													31	T	T	T	T	0.01	0.03	0.04	0.01	0.02	0.07	0.07	0.05	31		0.30	

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	.19	.23	.25	.30	.33	.34	.36	.38	.41	.41	.46	.50
Ending Date	13	13	13	13	13	13	13	13	13	13	13	13
Ending Time (Hour/Min)	0447	0450	0453	0500	0504	0504	0530	0550	0613	0613	0704	0739

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 DECEMBER 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							2.50	10.00	
02							10.00	10.00	
03							9.00	10.00	
04							10.00	10.00	
05							10.00	10.00	
06							2.00	10.00	
07							9.00	10.00	
08							.50	10.00	
09							<.25	10.00	
10							.25	10.00	
11							.25	10.00	
12							10.00	10.00	
13							1.50	10.00	
14							7.00	10.00	
15							.00	10.00	
16							2.50	10.00	
17							10.00	10.00	
18							10.00	10.00	
19							10.00	10.00	
20							10.00	10.00	
21							10.00	10.00	
22							10.00	10.00	
23							10.00	10.00	
24							1.50	10.00	
25							10.00	10.00	
26							6.00	10.00	
27							2.00	10.00	
28							10.00	10.00	
29							4.00	10.00	
30							10.00	10.00	
31							5.00	10.00	
MONTHLY AVGS							6.51	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									
2 10 18									

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX DECEMBER 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		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: 0700				DEC 01	SUNSET: 1721				SUNRISE: 0705				DEC 07	SUNSET: 1722															
03	OVC	006	7.00	BR	59	31	46	35	5	08	29.99	30.11	03	FEW	NC	10.00			40	37	39	89	5	33	30.13	30.25			
06	OVC	003	2.50	BR	59	58	58	95	5	03	30.00	30.12	06	FEW	NC	10.00			36	36	36	100	0	00	30.10	30.22			
09	OVC	005	4.00	BR	62	60	61	93	5	03	30.04	30.16	09	CLR	NC	9.00			44	39	42	83	3	VR	30.12	30.25			
12	OVC	008	4.00	HZ	65	60	62	84	7	34	30.04	30.17	12	CLR	NC	10.00			52	39	46	61	0	00	30.06	30.19			
15	OVC	045	10.00		67	62	64	84	7	32	30.02	30.14	15	CLR	NC	10.00			57	39	48	51	3	18	29.96	30.09			
18	OVC	038	8.00		61	59	60	93	8	34	30.09	30.21	18	SCT	NC	10.00			49	41	45	74	5	19	29.94	30.06			
21	OVC	065	10.00		59	49	54	69	13	35	30.14	30.27	21	CLR	NC	9.00			46	44	45	93	6	16	29.95	30.07			
24	OVC	100	10.00		55	36	46	49	10	34	30.18	30.30	24	CLR	NC	9.00			42	42	42	100	3	18	29.95	30.08			
SUNRISE: 0701				DEC 02	SUNSET: 1721				SUNRISE: 0705				DEC 08	SUNSET: 1722															
03	CLR	NC	10.00		47	32	41	56	10	35	30.21	30.33	03	FEW	NC	9.00			37	37	37	100	0	00	29.93	30.06			
06	SCT	NC	10.00		41	32	37	70	9	36	30.27	30.39	06	CLR	NC	6.00	BR		35	35	35	100	0	00	29.94	30.07			
09	BKN	250	10.00		44	33	39	65	13	01	30.34	30.46	09	FEW	NC	6.00	BR		48	46	47	93	0	00	30.00	30.13			
12	SCT	NC	10.00		51	35	44	54	14	33	30.31	30.43	12	SCT	NC	10.00			64	43	53	46	8	23	29.98	30.11			
15	BKN	250	10.00		52	36	45	55	10	35	30.27	30.39	15	FEW	NC	10.00			67	43	54	42	0	00	29.92	30.05			
18	OVC	250	10.00		44	36	41	73	6	33	30.31	30.43	18	BKN	250	10.00			56	50	53	81	0	00	29.96	30.09			
21	CLR	NC	10.00		42	36	39	79	7	35	30.34	30.47	21	SCT	NC	9.00			51	51	51	100	3	14	30.00	30.13			
24	OVC	033	10.00		41	36	39	82	3	34	30.37	30.50	24	CLR	NC	1.50	BR		47	47	47	100	0	00	30.00	30.13			
SUNRISE: 0702				DEC 03	SUNSET: 1721				SUNRISE: 0706				DEC 09	SUNSET: 1722															
03	CLR	NC	10.00		38	35	37	89	5	36	30.35	30.47	03	SCT	NC	<.25	FG		49	49	49	100	0	00	29.99	30.11			
06	OVC	250	10.00		38	35	37	89	3	36	30.37	30.50	06	VV	001	0.25	FG		52	52	52	100	3	09	29.98	30.10			
09	OVC	110	10.00		41	35	38	79	9	04	30.38	30.51	09	OVC	003	0.50	BR		54	54	54	100	8	09	30.00	30.13			
12	OVC	120	10.00		46	34	41	63	7	03	30.36	30.48	12	OVC	250	9.00			64	56	59	75	7	16	29.96	30.09			
15	OVC	250	10.00		49	33	42	55	6	03	30.29	30.41	15	BKN	250	10.00			69	58	62	68	3	VR	29.90	30.02			
18	OVC	085	10.00	-RA	44	41	43	89	3	34	30.30	30.43	18	BKN	046	9.00			60	57	58	90	10	14	29.90	30.03			
21	OVC	090	10.00		43	41	42	93	0	00	30.32	30.44	21	BKN	250	7.00			55	54	54	96	8	15	29.90	30.03			
24	OVC	080	10.00		44	40	42	85	3	02	30.33	30.45	24	SCT	NC	4.00	BR		53	53	53	100	3	15	29.91	30.03			
SUNRISE: 0702				DEC 04	SUNSET: 1721				SUNRISE: 0707				DEC 10	SUNSET: 1722															
03	OVC	120	10.00		43	40	42	89	0	00	30.31	30.44	03	SCT	NC	3.00	BR		50	50	50	100	0	00	29.90	30.02			
06	OVC	080	10.00		42	38	40	85	0	00	30.31	30.43	06	SCT	NC	2.50	BR		53	53	53	100	0	00	29.91	30.04			
09	BKN	075	10.00		44	37	41	76	5	05	30.34	30.47	09	SCT	NC	2.50	BR		59	59	59	100	6	15	29.94	30.06			
12	OVC	090	10.00		48	36	43	63	5	32	30.34	30.46	12	BKN	029	10.00			73	63	67	71	6	VR	29.91	30.03			
15	BKN	090	10.00		53	37	46	55	5	VR	30.29	30.41	15	BKN	040	10.00			76	62	67	62	10	17	29.86	29.98			
18	BKN	060	10.00		47	40	44	77	5	35	30.31	30.43	18	BKN	037	10.00			69	63	65	81	7	15	29.85	29.98			
21	FEW	NC	10.00		43	37	40	80	3	35	30.35	30.47	21	SCT	NC	6.00	BR		62	62	62	100	5	14	29.86	29.99			
24	FEW	NC	10.00		38	37	38	97	0	00	30.32	30.45	24	CLR	NC	4.00	BR		59	59	59	100	3	13	29.87	29.99			
SUNRISE: 0703				DEC 05	SUNSET: 1722				SUNRISE: 0707				DEC 11	SUNSET: 1723															
03	FEW	NC	10.00		36	36	36	100	0	00	30.30	30.43	03	BKN	029	3.00	BR		60	60	60	100	0	00	29.85	29.97			
06	OVC	048	10.00		42	39	41	89	5	01	30.31	30.44	06	BKN	250	5.00	BR		57	57	57	100	3	15	29.82	29.95			
09	OVC	055	10.00		46	40	43	79	0	00	30.34	30.46	09	SCT	NC	7.00			66	66	66	100	5	18	29.83	29.96			
12	BKN	055	10.00		55	34	45	45	0	00	30.28	30.41	12	OVC	025	10.00			75	65	69	71	9	21	29.85	29.97			
15	SCT	NC	10.00		59	35	48	41	0	00	30.16	30.29	15	OVC	065	10.00			78	65	70	64	8	24	29.81	29.93			
18	FEW	NC	10.00		49	42	46	77	0	00	30.14	30.26	18	OVC	033	10.00			50	43	47	77	14	35	29.94	30.06			
21	CLR	NC	10.00		48	37	43	66	6	18	30.12	30.25	21	OVC	028	10.00			45	33	40	63	14	35	30.06	30.19			
24	OVC	070	10.00		48	41	45	77	0	00	30.09	30.21	24	OVC	046	10.00			38	21	32	51	17	35	30.16	30.29			
SUNRISE: 0704				DEC 06	SUNSET: 1722				SUNRISE: 0708				DEC 12	SUNSET: 1723															
03	OVC	048	10.00		48	44	46	86	3	01	30.04	30.16	03	OVC	055	10.00			34	18	29	52	16	01	30.20	30.33			
06	OVC	028	8.00	-RA	48	44	46	86	0	00	30.02	30.15	06	OVC	055	10.00			32	18	27	56	14	36	30.24	30.37			
09	OVC	025	5.00	-RA BR	49	47	48	93	0	00	30.02	30.14	09	OVC	050	10.00			33	16	28	49	13	02	30.26	30.39			
12	OVC	005	3.00	-RA BR	49	48	48	97	5	33	30.04	30.17	12	OVC	055	10.00			37	18	31	46	12	03	30.22	30.35			
15	OVC	060	10.00		52	48	50	86	10	34	30.01	30.14	15	OVC	034	10.00			38	21	32	51	10	01	30.16	30.28			
18	OVC	047	10.00		51	45	48	80	8	32	30.06	30.18	18	OVC	028	10.00			38	22	32	53	7	VR	30.15	30.28			
21	BKN	046	10.00		48	42	45	80	6	VR	30.12	30.24	21	OVC	026	10.00			36	29	33	76	7	04	30.12	30.24			
24	OVC	038	10.00		47	40	44	77	5	32	30.13	30.26	24	OVC	022	10.00	-RA		35	34	35	96	3	31	30.05	30.18			

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX DECEMBER 2000

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: 0709					DEC 13					SUNSET: 1723					SUNRISE: 0712					DEC 19					SUNSET: 1725				
03	OVC	022	7.00		35	34	35	96	6	35	29.98	30.11	03	CLR	NC	10.00		37	30	34	76	5	27	30.28	30.40				
06	OVC	037	4.00	-RA BR	35	35	35	100	6	04	29.90	30.03	06	CLR	NC	10.00		37	25	33	62	7	28	30.30	30.43				
09	OVC	004	2.50	-RA BR	37	37	37	100	8	32	29.93	30.05	09	CLR	NC	10.00		41	26	35	55	10	32	30.36	30.49				
12	OVC	004	2.00	BR	38	37	38	97	12	31	29.97	30.10	12	CLR	NC	10.00		50	22	39	33	7	VR	30.30	30.43				
15	OVC	008	10.00		43	39	41	86	3	33	29.93	30.06	15	CLR	NC	10.00		53	23	41	31	9	31	30.23	30.36				
18	OVC	015	10.00		45	42	44	90	3	33	30.01	30.14	18	CLR	NC	10.00		42	30	37	62	0	00	30.22	30.35				
21	OVC	009	10.00		44	41	43	89	7	36	30.07	30.19	21	CLR	NC	10.00		34	30	32	85	0	00	30.19	30.32				
24	OVC	009	10.00		42	40	41	92	6	01	30.12	30.25	24	CLR	NC	10.00		34	27	31	76	5	14	30.14	30.27				
SUNRISE: 0709					DEC 14					SUNSET: 1724					SUNRISE: 0713					DEC 20					SUNSET: 1726				
03	OVC	007	10.00		41	39	40	93	5	VR	30.17	30.30	03	CLR	NC	10.00		34	27	31	76	8	12	30.09	30.22				
06	OVC	007	10.00		40	38	39	93	6	01	30.20	30.33	06	FEW	NC	10.00		33	31	32	92	5	10	30.03	30.16				
09	OVC	007	10.00		40	38	39	93	6	05	30.27	30.40	09	CLR	NC	10.00		48	41	45	77	9	14	29.97	30.10				
12	OVC	011	10.00		44	39	42	83	7	34	30.24	30.37	12	OVC	049	10.00		61	46	53	58	13	17	29.90	30.03				
15	CLR	NC	10.00		54	42	48	64	7	02	30.18	30.31	15	OVC	060	10.00		65	50	57	59	12	18	29.80	29.93				
18	CLR	NC	10.00		47	41	44	80	6	05	30.20	30.33	18	OVC	044	10.00		64	51	57	63	8	18	29.78	29.91				
21	CLR	NC	10.00		44	41	43	89	7	06	30.22	30.35	21	SCT	NC	10.00		56	52	54	87	0	00	29.83	29.96				
24	OVC	080	9.00		42	40	41	92	8	05	30.15	30.28	24	FEW	NC	10.00		49	49	49	100	0	00	29.86	29.99				
SUNRISE: 0710					DEC 15					SUNSET: 1724					SUNRISE: 0713					DEC 21					SUNSET: 1726				
03	OVC	055	10.00		42	39	41	89	9	09	30.14	30.27	03	FEW	NC	10.00		52	51	52	97	9	33	29.91	30.03				
06	OVC	009	6.00	RA BR	41	39	40	93	5	05	30.11	30.24	06	FEW	NC	10.00		45	33	40	63	10	35	30.01	30.13				
09	OVC	003	0.25	BR	42	42	42	100	6	04	30.09	30.21	09	OVC	250	10.00		44	32	39	63	10	36	30.13	30.26				
12	OVC	001	0.00	FG	46	46	46	100	8	11	29.99	30.12	12	BKN	250	10.00		52	26	41	37	16	02	30.16	30.29				
15	OVC	001	0.00	FG	51	51	51	100	9	11	29.88	30.00	15	FEW	NC	10.00		55	21	41	27	15	01	30.15	30.27				
18	VV	001	0.00	FG	54	54	54	100	0	00	29.83	29.96	18	FEW	NC	10.00		48	23	38	37	6	01	30.20	30.33				
21	VV	001	0.00	FG	54	54	54	100	0	00	29.82	29.95	21	CLR	NC	10.00		41	24	35	51	5	01	30.26	30.39				
24	BKN	012	4.00	BR	60	60	60	100	8	20	29.79	29.92	24	CLR	NC	10.00		36	24	32	62	5	01	30.29	30.42				
SUNRISE: 0711					DEC 16					SUNSET: 1724					SUNRISE: 0714					DEC 22					SUNSET: 1727				
03	OVC	006	6.00	BR	62	62	62	100	12	21	29.78	29.91	03	CLR	NC	10.00		34	24	30	67	5	02	30.29	30.42				
06	OVC	006	6.00	DZ BR	61	60	60	97	10	23	29.77	29.89	06	CLR	NC	10.00		31	23	28	72	3	02	30.32	30.45				
09	FEW	NC	10.00		60	56	58	86	10	24	29.86	29.99	09	CLR	NC	10.00		37	23	32	57	7	05	30.35	30.48				
12	CLR	NC	10.00		66	42	54	42	18	28	29.91	30.04	12	CLR	NC	10.00		47	21	37	36	13	07	30.31	30.44				
15	CLR	NC	10.00		64	33	49	32	29	31	29.99	30.11	15	FEW	NC	10.00		51	23	40	33	7	VR	30.24	30.37				
18	FEW	NC	10.00		56	31	45	39	14	33	30.13	30.26	18	OVC	065	10.00		49	25	39	39	7	11	30.21	30.34				
21	CLR	NC	10.00		47	25	38	42	10	33	30.24	30.37	21	OVC	070	10.00		48	26	39	42	9	12	30.22	30.35				
24	CLR	NC	10.00		41	19	33	41	7	35	30.28	30.41	24	OVC	070	10.00		45	29	38	54	9	11	30.18	30.31				
SUNRISE: 0711					DEC 17					SUNSET: 1725					SUNRISE: 0714					DEC 23					SUNSET: 1728				
03	CLR	NC	10.00		36	20	30	52	6	36	30.27	30.40	03	OVC	070	10.00		43	31	38	63	7	08	30.15	30.27				
06	CLR	NC	10.00		30	24	28	79	0	00	30.33	30.46	06	OVC	075	10.00		43	33	39	68	8	07	30.14	30.27				
09	CLR	NC	10.00		37	22	32	54	3	28	30.40	30.52	09	OVC	080	10.00		46	36	42	68	10	10	30.16	30.29				
12	CLR	NC	10.00		45	14	34	29	5	05	30.30	30.43	12	OVC	016	10.00		53	43	48	69	13	10	30.15	30.28				
15	CLR	NC	10.00		51	19	39	28	3	12	30.19	30.31	15	OVC	090	10.00		56	48	52	75	9	09	30.09	30.22				
18	CLR	NC	10.00		43	27	37	53	5	17	30.13	30.26	18	OVC	012	10.00		54	49	51	83	8	08	30.12	30.25				
21	CLR	NC	10.00		40	29	36	65	6	16	30.09	30.22	21	OVC	012	10.00		52	46	49	80	7	07	30.14	30.27				
24	CLR	NC	10.00		36	32	34	86	6	15	30.03	30.15	24	OVC	010	10.00		52	48	50	86	6	06	30.14	30.27				
SUNRISE: 0712					DEC 18					SUNSET: 1725					SUNRISE: 0715					DEC 24					SUNSET: 1728				
03	OVC	048	10.00		44	42	43	93	3	14	29.94	30.06	03	OVC	010	10.00		51	50	51	96	7	05	30.12	30.24				
06	OVC	035	10.00		56	52	54	87	3	17	29.91	30.03	06	OVC	006	6.00	BR	49	48	48	97	6	03	30.13	30.26				
09	OVC	024	10.00		59	56	57	90	5	32	29.97	30.10	09	OVC	005	3.00	-RA BR	47	47	47	100	7	03	30.17	30.30				
12	BKN	044	10.00		53	45	49	74	13	32	30.02	30.14	12	OVC	005	2.00	RA BR	46	46	46	100	10	04	30.17	30.29				
15	FEW	NC	10.00		61	37	49	41	17	32	30.02	30.15	15	OVC	005	4.00	RA BR	47	46	47	97	8	01	30.11	30.24				
18	CLR	NC	10.00		54	31	44	42	16	32	30.13	30.26	18	OVC	005	2.50	+RA BR	46	46	46	100	9	02	30.13	30.26				
21	CLR	NC	10.00		49	31	41	50	9	33	30.25	30.38	21	OVC	004	6.00	-RA BR	47	47	47	100	7	03	30.15	30.27				
24	CLR	NC	10.00		41	27	36	57	3	28	30.29	30.41	24	OVC	019	10.00		49	47	48	93	10	07	30.14	30.26				

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX

DECEMBER 2000

IAH

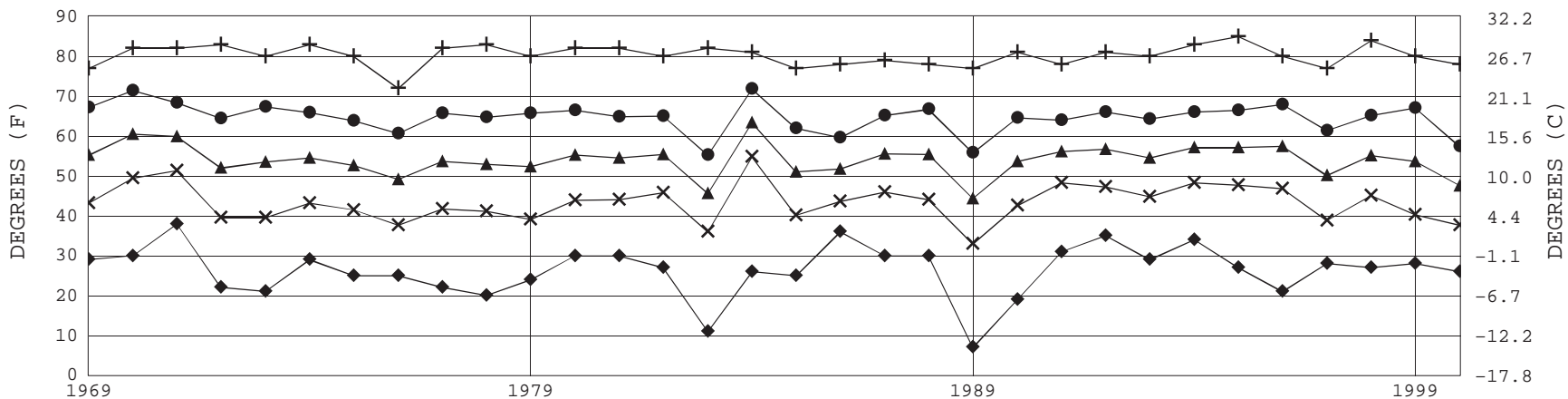
WBAN # 12960

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					DEC 25					SUNSET: 1729					SUNRISE: 0717					DEC 31					SUNSET: 1732				
03	OVC	021	10.00		49	45	47	86	10	08	30.11	30.24	03	SCT	NC	10.00		29	28	29	96	0	00	30.21	30.33				
06	OVC	025	10.00		49	43	46	80	9	08	30.12	30.25	06	BKN	075	10.00		36	30	34	79	8	09	30.20	30.33				
09	OVC	022	10.00		50	41	46	71	14	08	30.16	30.29	09	OVC	055	10.00		38	27	34	65	8	07	30.23	30.35				
12	OVC	018	10.00		53	42	48	66	13	09	30.14	30.27	12	OVC	050	10.00		41	26	35	55	12	07	30.20	30.32				
15	OVC	018	10.00		55	45	50	69	10	10	30.07	30.20	15	OVC	050	10.00	-RA	44	33	39	65	15	11	30.13	30.26				
18	OVC	018	10.00		54	48	51	80	16	08	30.07	30.19	18	OVC	046	10.00		39	36	38	89	12	07	30.14	30.27				
21	OVC	018	10.00		53	47	50	80	16	09	30.09	30.22	21	OVC	030	8.00		36	36	36	100	8	03	30.21	30.34				
24	OVC	018	10.00		50	44	47	80	12	10	30.06	30.19	24	OVC	014	9.00	-RA	35	34	35	96	7	36	30.26	30.39				
SUNRISE: 0715					DEC 26					SUNSET: 1729					3-HOURLY OBSERVATION NOTES														
03	OVC	016	10.00	-RA	49	45	47	86	10	08	30.04	30.17	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	016	10.00		49	43	46	80	15	08	30.02	30.15	Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet.																
09	OVC	014	10.00		50	44	47	80	13	08	30.03	30.16	NC = No ceiling detected.																
12	OVC	014	10.00		56	49	52	77	12	09	30.00	30.12	& = Original observation contained additional weather elements.																
15	OVC	014	10.00		60	54	57	80	7	05	29.93	30.06	See page 3 for additional notes.																
18	OVC	016	8.00	-RA	47	47	47	100	7	35	29.98	30.11																	
21	OVC	003	7.00		42	42	42	100	7	34	30.02	30.15																	
24	OVC	007	10.00		41	40	41	96	13	33	30.05	30.18																	
SUNRISE: 0716					DEC 27					SUNSET: 1730																			
03	OVC	009	10.00	-RA	39	38	39	96	7	34	30.04	30.17																	
06	OVC	006	10.00		39	38	39	96	8	34	30.03	30.16																	
09	OVC	006	2.50	BR	38	38	38	100	9	34	30.06	30.18																	
12	OVC	007	8.00		38	37	38	97	12	31	30.05	30.18																	
15	OVC	009	8.00		37	35	36	93	12	32	30.00	30.13																	
18	OVC	007	7.00		36	35	36	97	8	30	29.99	30.12																	
21	OVC	011	10.00		36	34	35	93	10	29	30.02	30.15																	
24	OVC	013	10.00		36	33	35	89	12	32	29.99	30.12																	
SUNRISE: 0716					DEC 28					SUNSET: 1730																			
03	OVC	013	10.00		37	33	35	86	9	30	29.97	30.10																	
06	OVC	015	10.00		37	33	35	86	8	30	29.97	30.10																	
09	SCT	NC	10.00		39	34	37	82	10	31	30.02	30.15																	
12	SCT	NC	10.00		49	39	44	69	10	33	30.01	30.13																	
15	SCT	NC	10.00		53	41	47	64	13	33	29.97	30.09																	
18	FEW	NC	10.00		47	43	45	86	3	33	29.98	30.11																	
21	CLR	NC	10.00		39	39	39	100	0	00	30.05	30.17																	
24	BKN	250	10.00		38	38	38	100	5	32	30.09	30.22																	
SUNRISE: 0717					DEC 29					SUNSET: 1731																			
03	OVC	013	10.00		42	40	41	92	6	35	30.10	30.23																	
06	CLR	NC	6.00	BR	37	37	37	100	5	30	30.12	30.25																	
09	CLR	NC	10.00		41	37	39	86	9	35	30.18	30.31																	
12	CLR	NC	10.00		51	31	42	46	12	32	30.19	30.32																	
15	CLR	NC	10.00		52	29	42	41	15	33	30.15	30.28																	
18	CLR	NC	10.00		47	29	40	50	5	32	30.18	30.31																	
21	CLR	NC	10.00		41	28	36	60	7	34	30.24	30.37																	
24	CLR	NC	10.00		36	30	34	79	7	36	30.27	30.40																	
SUNRISE: 0717					DEC 30					SUNSET: 1732																			
03	CLR	NC	10.00		32	28	31	85	3	03	30.25	30.38																	
06	CLR	NC	10.00		28	27	28	96	0	00	30.25	30.38																	
09	CLR	NC	10.00		35	29	33	78	0	00	30.30	30.43																	
12	CLR	NC	10.00		47	29	40	50	7	VR	30.27	30.40																	
15	CLR	NC	10.00		52	25	41	35	6	VR	30.20	30.32																	
18	FEW	NC	10.00		43	28	37	56	6	05	30.20	30.32																	
21	FEW	NC	10.00		34	32	33	92	0	00	30.22	30.35																	
24	SCT	NC	10.00		32	30	31	92	0	00	30.22	30.35																	

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			44	38	41	83	30.10	30.23	8.94	6	2	3
02			43	38	41	84	30.10	30.23	9.07	6	3	2
03			43	38	41	85	30.10	30.22	8.87	5	3	2
04			43	38	41	86	30.10	30.22	8.98	6	3	1
05			42	38	41	86	30.09	30.22	8.57	6	3	2
06			42	38	41	87	30.10	30.23	8.14	5	3	3
07			42	38	40	87	30.11	30.24	8.24	6	3	3
08			43	39	41	87	30.12	30.25	7.72	6	3	3
09			46	40	43	81	30.14	30.26	7.81	7	4	3
10			48	39	44	73	30.15	30.28	8.13	9	4	4
11			51	39	46	67	30.14	30.27	8.50	9	3	1
12			52	39	46	64	30.12	30.24	8.65	9	3	1
13			53	39	47	63	30.09	30.22	8.79	9	2	35
14			55	40	48	60	30.07	30.20	9.16	8	3	36
15			56	40	48	59	30.06	30.19	9.42	8	3	35
16			55	40	48	60	30.07	30.19	9.35	8	3	36
17			53	40	47	66	30.07	30.20	9.16	8	4	1
18			49	40	46	74	30.08	30.21	9.18	7	3	1
19			48	40	45	78	30.10	30.22	9.03	6	2	1
20			47	40	44	79	30.11	30.24	9.29	6	2	1
21			46	39	43	81	30.12	30.24	9.10	6	3	2
22			45	39	42	82	30.12	30.25	9.00	5	2	1
23			44	38	42	82	30.12	30.25	8.91	6	3	2
24			43	38	41	83	30.12	30.25	9.05	6	2	1

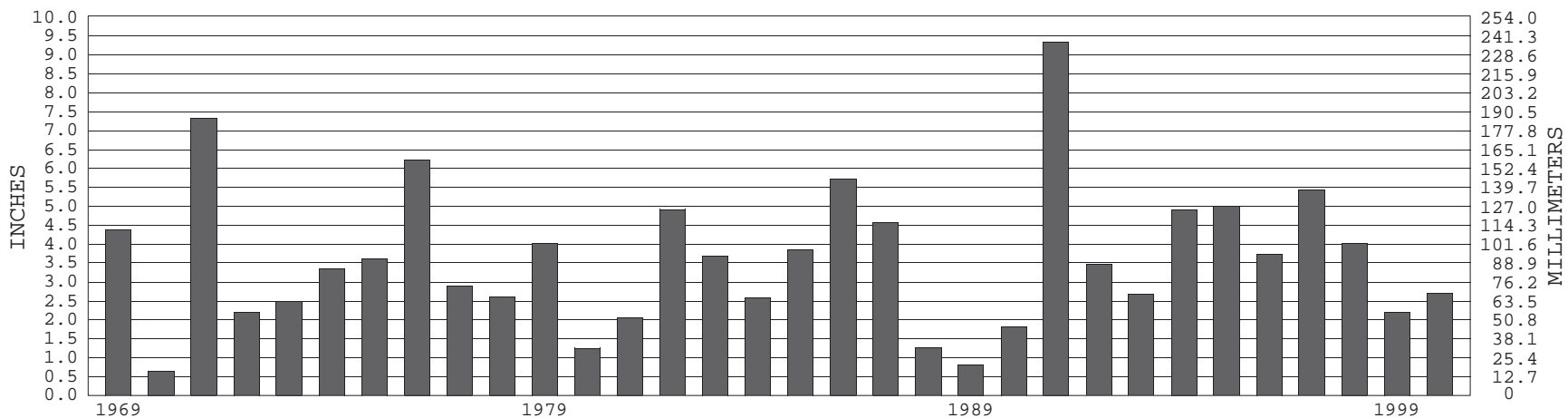
HOUSTON, TX DECEMBER TEMPERATURES



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

Long-Term (1969-2000) Mean: 54.0 1961-1990 Normal: 53.5

HOUSTON, TX DECEMBER PRECIPITATION



Long-Term (1969-2000) Mean Monthly Total: 3.61

1961-1990 Normal: 3.45



DECEMBER 2000
HOUSTON, TX

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

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