



JANUARY 2007 LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

HOUSTON, TX
G BUSH INTERCONTINENTAL AP/HOUSTON AP (KIAH)
Lat:29° 59'N Long: 95° 21'W Elev (Ground) 94 Feet
Time Zone : CENTRAL WBAN: 12960 ISSN#: 0198-5094



JANUARY 2007
HOUSTON, TX

Date 1	Temperature °F						Deg Days BASE 65°		WEATHER 10	SNOW/ICE ON GND(IN)		PRECIPITATION ON GND(IN)		PRESSURE (INCHES OF HG)		WIND SPEED = MPH DIR = TENS OF DEGREES								Date 24
	MAXIMUM 2	MINIMUM 3	AVERAGE 4	DEP FROM NORMAL 5	AVERAGE DEW PT 6	AVERAGE WET BULB 7	HEATING 8	COOLING 9		0600 LST 11	1200 LST 12	2400 LST 13	2400 LST 14	AVERAGE STATION 15	AVERAGE SEA LEVEL 16	RESULTANT SPEED 17	RES DIR 18	AVERAGE SPEED 19	MAXIMUM					
																			5-SEC		2-MIN			
									DEPTH 11	WATER- EQUIV 12	SNOW- FALL 13	WATER EQUIV 14			SPEED 17	DIR 18	AVERAGE SPEED 19	SPEED 20	DIR 21	SPEED 22	DIR 23			
01	58	39	49	-3	34	41	16	0	HZ	0		0.0	0.00	30.16	30.28	7.0	33	7.5	20	36	15	34	01	
02	58	34	46	-6	35	40	19	0		0		0.0	0.00	30.19	30.32	3.1	03	4.4	15	06	13	07	02	
03	54	39	47	-5	41	45	18	0	RA BR	0		0.0	0.02	30.06	30.21	7.0	07	7.6	21	07	18	09	03	
04	57	50	54	2	51	52	11	0	RA BR	0		0.0	1.33	29.75	29.89	1.0	19	7.8	30	28	23	29	04	
05	72	53	63	11	54	57	2	0	FG+ FG BR	0		0.0	0.00	29.68	29.81	3.9	22	4.7	18	23	15	21	05	
06	64	59	62	10	58	59	3	0	RA DZ FG+ BR HZ	0		0.0	T	29.87	29.97	6.0	02	8.0	18	05	16	04	06	
07	66	46	56	4	45	51	9	0	RA DZ BR	0		0.0	T	30.05	30.13	9.5	32	9.9	24	33	18	34	07	
08	63	37	50	-1	30	41	15	0		0		0.0	0.00	30.22	30.32	2.0	27	3.5	17	30	10	29	08	
09	70	38	54	3	35	44	11	0		0		0.0	0.00	30.34	30.45	3.6	03	3.8	17	05	15	04	09	
10	66	37	52	1	41	47	13	0		0		0.0	0.00	30.19	30.32	7.2	12	7.4	25	13	24	13	10	
11	73	47	60	9	55	58	5	0	MIFG BR	0		0.0	0.00	30.03	30.15	9.5	15	10.2	28	17	22	15	11	
12	80*	68	74*	23	63	66	0	9	RA BR	0		0.0	T	30.01	30.12	11.5	15	11.8	26	16	21	16	12	
13	74	55	65	14	66	67	0	0	RA BR HZ	0		0.0	0.09	29.96	30.08	10.4	15	12.0	23	13	20	14	13	
14	74	45	60	9	56	57	5	0	RA FG+ BR HZ	0		0.0	0.36	29.93	30.04	3.3	33	6.9	21	33	18	32	14	
15	45	34	40	-11	34	37	25	0	RA BR	0		0.0	0.69	30.19	30.27	15.2	34	15.4	28	34	24*	34	15	
16	37	32	35	-16	27	31	30	0	RA FZRA GL	0		0.0	0.09	30.40	30.50	15.1	36	15.3	30*	01	23	36	16	
17	36	30*	33*	-19	30	33	32	0	RA DZ FZRA FZDZ GL BR	0		0.0	0.12	30.36	30.50	6.6	01	7.5	14	04	12	04	17	
18	44	36	40	-12	38	39	25	0	RA BR	0		0.0	0.24	30.26	30.38	4.9	36	5.5	13	01	12	36	18	
19	51	43	47	-5	40	43	18	0	RA	0		0.0	T	30.21	30.34	9.7	02	10.3	21	06	17	05	19	
20	52	46	49	-3	43	46	16	0	RA DZ BR	0		0.0	0.50	29.95	30.10	9.3	09	11.8	24	12	21	10	20	
21	63	45	54	2	46	49	11	0	RA	0		0.0	0.02	29.86	29.99	1.8	13	3.8	13	31	12	31	21	
22	54	45	50	-2	41	45	15	0	RA	0		0.0	T	30.03	30.14	10.6	36	10.8	24	03	20	01	22	
23	46	43	45	-7	38	42	20	0	RA BR	0		0.0	0.38	30.07	30.18	9.5	01	9.9	20	01	16	01	23	
24	47	42	45	-7	40	43	20	0	RA BR HZ	0		0.0	0.83	30.15	30.25	4.9	34	5.5	15	01	13	01	24	
25	67	39	53	1	37	44	12	0		0		0.0	0.00	30.20	30.32	3.6	34	4.1	18	01	14	36	25	
26	63	35	49	-3	40	45	16	0		0		0.0	0.00	30.06	30.19	4.7	13	4.8	18	12	14	12	26	
27	65	51	58	6	51	53	7	0	RA BR	0		0.0	0.74	29.90	30.01	2.5	01	6.9	26	32	21	32	27	
28	55	38	47	-6	28	39	18	0		0		0.0	0.00	30.21	30.30	10.3	34	10.7	25	01	22	36	28	
29	56	32	44	-9	34	41	21	0		0		0.0	0.00	30.11	30.25	6.3	11	7.2	18	13	14	11	29	
30	53	43	48	-5	44	46	17	0	RA BR	0		0.0	0.19	30.09	30.21	8.6	04	8.9	20	05	16	05	30	
31	48	39	44	-9	40	42	21	0	RA BR	0		0.0	0.12	29.88	30.04	7.7	06	8.4	18	10	16	10	31	
58.4		42.6	50.5	Σ	42.4	46.5	14.5	0.3	< MONTHLY AVERAGES TOTALS >			0.0	5.72	30.08	30.19	3.2	03	8.1	< MONTHLY AVERAGES					
-3.9		1.4	-1.3		<-----DEPARTURE FROM NORMAL----->							2.04	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3											
DEGREE DAYS									GREATEST 24-HR PRECIPITATION : 1.35 DATE : 03-04				SEA LEVEL PRESSURE				DATE		TIME					
MONTHLY									GREATEST 24-HR SNOWFALL : 0.0 DATE :				MAXIMUM : 30.58				17		1010					
TOTAL DEPARTURE									GREATEST SNOW DEPTH : 0 DATE :				MINIMUM : 29.75				05		1453					
SEASON TO DATE									NUMBER OF -> DAYS WITH				MAXIMUM TEMP >= 90 : 0		MINIMUM TEMP <= 32 : 3		PRECIPITATION >= 0.01 INCH : 15							
HEATING : 451 24 913 -108									MAXIMUM TEMP <= 32 : 0		MINIMUM TEMP <= 0 : 0		PRECIPITATION >= 0.10 INCH : 11											
COOLING : 9 -6 9 -6									THUNDERSTORMS : 0		HEAVY FOG : 3		SNOWFALL >= 1.0 INCH : 0											

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

HOUSTON, TX (KIAH)
JANUARY 2007

WBAN # 12960

Date	FOR HOUR (LST) ENDING AT												Date	FOR HOUR (LST) ENDING AT												Date	Sum of Hourly Data	2400 LST Water Equiv.	
	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													01												01	0.00	0.00		
02													02												02	0.00	0.00		
03													03		T	T									03	0.02	0.02		
04	0.02	0.08	0.06	0.17	0.31	0.40	0.05	0.12	0.01	T	T	T	04	T	0.11	T		T					T	0.02	T	04	1.33	1.33	
05													05												05	0.00	0.00		
06													06												06	T	T		
07	T	T	T										07												07	T	T		
08													08												08	0.00	0.00		
09													09												09	0.00	0.00		
10													10												10	0.00	0.00		
11													11												11	0.00	0.00		
12													12												12	T	T		
13													13	T		T	T								13	0.09	0.09		
14	0.04	0.05		T	T	T							14		T	T	0.01	0.02			0.02	T		0.03	0.03	0.01	14	0.36	0.36
15		0.01	0.02	0.07	T	0.15	0.16	0.28	T	T	T	T	15	T	T									0.01	0.01	0.01	15	0.69	0.69
16													16			T	0.01	T	0.01	0.03	0.02	T	0.02	T	16	0.09	0.09		
17	0.01	T	T		0.01	0.03	T	0.02	T	0.01	0.03	0.01	17	T											17	0.12	0.12		
18					T	T	T	0.01	T	0.01	0.01	0.01	18	0.03	0.03	0.02	T	0.01	0.02	0.01	0.02	0.02	0.03	0.01	T	18	0.24	0.24	
19													19		T	T									19	T	T		
20													20	T	T	0.01	T	T	0.01	T	0.01	0.13	0.18	0.08	0.08	20	0.50	0.50	
21	0.01	T			0.01	T	T	T	T				21												21	0.02	0.02		
22					T								22												22	T	T		
23													23	0.01	T	T	T	T	0.03	0.05	0.03	0.05	0.05	0.08	0.08	23	0.38	0.38	
24	0.05	0.06	0.11	0.10	0.08	0.05	0.10	0.08	0.05	0.06	0.03	0.03	24	0.02	0.01	T									24	0.83	0.83		
25													25												25	0.00	0.00		
26													26												26	0.00	0.00		
27				T	T	0.18	0.16	0.28	0.06	0.05	0.01		27												27	0.74	0.74		
28													28												28	0.00	0.00		
29													29												29	0.00	0.00		
30	T	0.01	0.02	0.03	0.02	0.05	0.05	0.01	T	T	T	T	30	T											30	0.19	0.19		
31													31	T	T	0.01	0.06	0.04	0.01	T					31	0.12	0.12		

* Indicates sum of Hourly and Daily disagree.

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	0.13	0.18	0.24	0.28	0.31	0.41	0.50	0.60	0.69	0.77	0.82	0.89
Ending Date	14	04	04	04	04	04	04	04	04	04	04	04
Ending Time (Hr/Min)	2233	0531	0532	0535	0543	0535	0532	0543	0535	0538	0559	0551

Note : The hourly and daily precipitation totals are printed in the last 2 columns and hi-lighted in red when they disagree. 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.

Date and time are not entered for TRACE amounts.

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		
DESCRIPTOR	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	
PR Partial	RA Rain	PY Spray	SQ Squalls
SH Shower(s)	SG Snow Grains	SA Sand	SS Sandstorm
TS Thunderstorm	SN Snow	VA Volcanic Ash	GL Glaze
VC In the Vicinity	UP Unkown Precipitation		

Intensity (as indicated on pages 4 to 6):
'+' = Heavy '' = Moderate '-' = Light

HOUSTON, TX JANUARY 2007

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	
			Sky Cover	Satellite	Sky Cover	Satellite			
01							5.00	10.00	
02							4.00	10.00	
03							5.00	10.00	
04							0.25	10.00	
05							0.25	10.00	
06							0.25	10.00	
07							0.25	10.00	
08							1.50	10.00	
09							10.00	10.00	
10							10.00	10.00	
11							6.00	10.00	
12							5.00	10.00	
13							2.50	10.00	
14							0.00	10.00	
15							2.00	10.00	
16							7.00	10.00	
17							5.00	10.00	
18							1.00	10.00	
19							4.00	10.00	
20							1.00	10.00	
21							7.00	10.00	
22							7.00	10.00	
23							4.00	10.00	
24							3.00	10.00	
25							5.00	10.00	
26							10.00	10.00	
27							0.50	10.00	
28							10.00	10.00	
29							10.00	10.00	
30							1.25	10.00	
31							1.50	10.00	
MONTHLY AVGS							4.17	10.00	
SUNSHINE (Minutes)									
Total :					Possible :				
Percent Possible :									
NUMBER OF DAYS WITH :									
SKY CONDITION									
Clear		Partly CLDY			Cloudy			Missing	
MINIMUM VISIBILITY (MILES)									
<= .25			<= 3.0				>= 7.0		
5			14				8		

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX
JANUARY 2007

KIAH

WBAN # 12960

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)															
			Observation Time (LST)	Eff Cld Amt Oktas			DRY BULB	DEW POINT	WET BULB		RELATIVE HUMIDITY (PCT)	STATION				SEA LEVEL	Observation Time (LST)			Eff Cld Amt Oktas	DRY BULB	DEW POINT		WET BULB	RELATIVE HUMIDITY (PCT)	STATION	SEA LEVEL												
SUNRISE: 0716							JAN 01						SUNSET: 1732							SUNRISE: 0717							JAN 07						SUNSET: 1736						
03	CLR	NC			7.00		43	36	40	76	6	30	30.14	30.26	03	OVC	008			10.00		53	50	51	90	10	33	29.93	30.03										
06	FEW	120			8.00		40	35	38	82	8	30	30.14	30.25	06	OVC	019			9.00		53	50	51	90	6	34	29.94	30.06										
09	CLR	NC			10.00		44	35	40	71	8	33	30.21	30.32	09	OVC	008			6.00	BR	53	49	51	86	13	31	30.03	30.14										
12	CLR	NC			10.00		53	30	43	41	9	34	30.19	30.30	12	SCT	250			10.00		62	45	53	54	14	31	30.01	30.12										
15	CLR	NC			10.00		57	31	45	37	9	32	30.14	30.25	15	FEW	250			10.00		65	43	54	45	11	32	29.98	30.09										
18	FEW	250			10.00		50	35	43	57	8	33	30.16	30.27	18	SCT	250			10.00		60	38	49	44	14	33	30.08	30.19										
21	CLR	NC			10.00		44	34	40	68	6	36	30.19	30.30	21	CLR	NC			10.00		54	39	47	57	8	31	30.16	30.28										
24	CLR	NC			10.00		40	33	37	76	5	35	30.21	30.32	24	CLR	NC			10.00		46	35	41	66	7	29	30.19	30.31										
SUNRISE: 0716							JAN 02						SUNSET: 1733							SUNRISE: 0717							JAN 08						SUNSET: 1737						
03	CLR	NC			10.00		37	33	35	86	0	00	30.21	30.32	03	CLR	NC			10.00		44	31	39	60	6	29	30.21	30.32										
06	CLR	NC			10.00		37	32	35	82	6	01	30.21	30.32	06	CLR	NC			10.00		39	31	36	73	3	27	30.24	30.35										
09	SCT	250			10.00		42	36	39	79	7	04	30.27	30.38	09	SCT	250			10.00		44	34	40	68	6	29	30.27	30.39										
12	FEW	250			10.00		51	35	44	54	5	VR	30.24	30.36	12	SCT	250			10.00		57	25	44	29	6	VR	30.24	30.35										
15	FEW	250			10.00		57	34	46	42	3	VR	30.16	30.27	15	SCT	250			10.00		63	20	45	19	5	VR	30.16	30.28										
18	SCT	250			10.00		49	35	43	59	9	06	30.16	30.28	18	SCT	250			10.00		50	31	42	48	0	00	30.18	30.29										
21	FEW	250			10.00		45	36	41	71	0	00	30.19	30.30	21	FEW	250			10.00		49	29	41	46	3	15	30.24	30.35										
24	SCT	250			10.00		42	36	39	79	3	02	30.19	30.31	24	FEW	250			10.00		45	38	42	77	5	22	30.27	30.38										
SUNRISE: 0716							JAN 03						SUNSET: 1733							SUNRISE: 0717							JAN 09						SUNSET: 1738						
03	SCT	095			10.00		39	36	38	89	3	04	30.18	30.29	03	CLR	NC			10.00		42	38	40	86	0	00	30.27	30.39										
06	BKN	100			10.00		45	39	42	80	3	36	30.16	30.28	06	CLR	NC			10.00		42	35	39	76	0	00	30.32	30.45										
09	OVC	250			10.00		46	40	43	80	6	04	30.19	30.31	09	BKN	250			10.00		48	38	43	68	0	00	30.38	30.50										
12	OVC	250			10.00		52	40	46	64	7	09	30.16	30.28	12	BKN	250			10.00		66	34	51	31	11	03	30.37	30.49										
15	OVC	250			10.00		54	42	48	64	9	06	30.08	30.19	15	BKN	250			10.00		69	31	51	24	6	05	30.32	30.43										
18	OVC	024			10.00		53	44	49	72	11	06	30.03	30.15	18	SCT	250			10.00		58	31	46	36	5	05	30.32	30.44										
21	OVC	013			10.00		51	45	48	80	14	08	29.97	30.08	21	SCT	250			10.00		48	36	43	63	0	00	30.35	30.47										
24	OVC	009			5.00	-RA BR	51	48	49	90	13	08	29.89	30.01	24	SCT	250			10.00		45	36	41	71	0	00	30.32	30.44										
SUNRISE: 0717							JAN 04						SUNSET: 1734							SUNRISE: 0717							JAN 10						SUNSET: 1739						
03	OVC	002			0.50	-RA BR	54	52	53	93	15	09	29.79	29.90	03	SCT	250			10.00		42	35	39	76	0	00	30.27	30.39										
06	OVC	070			2.00	RA BR	51	49	50	93	8	06	29.81	29.92	06	CLR	NC			10.00		37	33	35	86	0	00	30.27	30.39										
09	OVC	028			2.50	BR	54	52	53	93	5	29	29.80	29.91	09	FEW	250			10.00		48	35	42	61	6	10	30.29	30.41										
12	OVC	025			2.00	BR	54	52	53	93	0	00	29.78	29.90	12	FEW	250			10.00		62	42	52	48	9	15	30.26	30.37										
15	OVC	110			7.00		56	54	55	93	6	19	29.71	29.82	15	FEW	250			10.00		65	46	55	50	14	13	30.14	30.26										
18	BKN	009			10.00		56	52	54	87	6	19	29.71	29.82	18	BKN	250			10.00		57	47	52	69	14	12	30.13	30.24										
21	OVC	013			10.00		55	51	53	86	5	19	29.73	29.84	21	BKN	250			10.00		53	47	50	80	9	11	30.13	30.24										
24	OVC	011			10.00		54	50	52	86	5	19	29.71	29.82	24	BKN	250			10.00		52	49	50	90	6	11	30.10	30.21										
SUNRISE: 0717							JAN 05						SUNSET: 1735							SUNRISE: 0717							JAN 11						SUNSET: 1740						
03	OVC	004			9.00		54	52	53	93	0	00	29.68	29.79	03	SCT	250			10.00		49	47	48	93	0	00	30.06	30.17										
06	VV	001			0.50	BR	55	54	54	96	3	15	29.66	29.77	06	BKN	250			9.00		51	49	50	93	5	08	30.06	30.17										
09	OVC	014			6.00	BR	57	54	55	90	9	23	29.72	29.83	09	BKN	250			7.00		56	54	55	93	9	12	30.06	30.17										
12	FEW	014			10.00		62	52	56	70	9	26	29.70	29.81	12	OVC	250			10.00		71	55	62	57	16	18	30.06	30.17										
15	CLR	NC			10.00		71	51	60	49	6	18	29.65	29.75	15	OVC	250			10.00		72	57	63	59	21	15	29.98	30.10										
18	FEW	035			10.00		62	54	58	75	0	00	29.66	29.77	18	OVC	250			10.00		69	60	64	73	10	16	30.01	30.11										
21	FEW	120			10.00		59	53	56	81	3	16	29.72	29.83	21	OVC	015			10.00		68	62	64	81	11	15	30.02	30.12										
24	OVC	001			0.25	FG	63	63	63	100	3	18	29.76	29.86	24	OVC	019			10.00		68	63	65	84	11	16	30.02	30.13										
SUNRISE: 0717							JAN 06						SUNSET: 1736							SUNRISE: 0717							JAN 12						SUNSET: 1740						
03	VV	001			0.25	FG	63	62	62	97	0	00	29.79	29.90	03	OVC	060			10.00		68	63	65	84	11	16	30.00	30.11										
06	VV	001			0.25	FG	62	61	61	97	7	01	29.85	29.96	06	BKN	070			10.00		68	64	66	87	9	16	30.01	30.11										
09	OVC	004			2.00	BR	62	61	61	97	11	02	29.91	30.02	09	OVC	055			7.00	-RA	69	64	66	84	10	16	30.05	30.16										
12	OVC	006			6.00	BR	63	59	61	87	10	01	29.90	30.00	12	BKN	250			10.00		77	62	68	60	13	16	30.03	30.14										
15	OVC	008			3.00	HZ	60	55	57	84	13	02	29.86	29.96	15	BKN	250			10.00		78	59	66	52	14	17	29.96	30.07										
18	OVC	011			9.00		61	56	58	84	8	02	29.88	29.98	18	OVC	070			10.00		70	65	67	84	11	12	30.01	30.11										
21	OVC	015			8.00		60	56	58	87	8	05	29.87	29.98	21	OVC	070			7.00		69	66	67	90	13	15	30.03	30.13										
24	OVC	008			1.50	-DZ BR	59	57	58	93	8	31	29.89	29.99	24	OVC	015			8.00		71	67	68	87	13	14	30.02	30.12										

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX
JANUARY 2007

KIAH

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 Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg				STATION	SEA LEVEL		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						
																														WEATHER	WEATHER				
SUNRISE: 0717						JAN 13						SUNSET: 1741						SUNRISE: 0716						JAN 19						SUNSET: 1746					
03	OVC	018			9.00	71	67	68	87	10	16	29.98	30.09	03	OVC	065			10.00	43	40	42	89	9	36	30.27	30.38								
06	OVC	024			8.00	71	67	68	87	13	16	30.00	30.11	06	OVC	060			9.00	43	40	42	89	9	36	30.24	30.36								
09	OVC	022			3.00	71	67	68	87	13	15	30.03	30.14	09	OVC	045			8.00	43	38	41	83	9	01	30.30	30.42								
12	OVC	075			9.00	73	67	69	82	15	15	30.02	30.12	12	OVC	070			10.00	48	40	44	74	10	01	30.27	30.38								
15	OVC	046			7.00	73	68	70	84	15	14	29.93	30.03	15	OVC	029			8.00	50	43	47	77	9	05	30.18	30.29								
18	OVC	018			2.50	70	68	69	93	15	14	29.92	30.02	18	OVC	024			10.00	50	41	46	71	11	01	30.18	30.29								
21	OVC	021			2.50	72	68	69	87	11	16	29.92	30.03	21	OVC	027			10.00	49	41	45	74	11	03	30.21	30.32								
24	OVC	008			10.00	57	55	56	93	5	33	29.94	30.05	24	OVC	041			10.00	47	37	43	68	14	06	30.18	30.29								
SUNRISE: 0717						JAN 14						SUNRISE: 0716						JAN 20						SUNSET: 1747											
03	OVC	003			3.00	51	49	50	93	7	34	29.94	30.04	03	OVC	022			7.00	46	38	42	74	7	10	30.13	30.24								
06	OVC	003			3.00	50	48	49	93	5	31	29.94	30.04	06	OVC	020			8.00	47	38	43	71	13	11	30.10	30.21								
09	VV	001			0.00	51	50	50	96	6	32	29.97	30.08	09	OVC	016			10.00	47	39	43	74	11	09	30.06	30.18								
12	OVC	003			1.50	60	58	59	93	5	10	29.93	30.04	12	OVC	017			10.00	50	42	46	74	16	09	29.98	30.10								
15	OVC	049			3.00	73	68	70	84	11	15	29.85	29.96	15	OVC	013			8.00	50	45	48	83	18	11	29.88	29.99								
18	OVC	060			3.00	71	69	70	93	7	16	29.88	29.99	18	OVC	004			1.00	-RA BR	51	49	50	93	10	10	29.85	29.96							
21	OVC	003			3.00	53	52	52	96	13	36	29.94	30.05	21	OVC	004			1.00	RA BR	52	51	51	96	0	00	29.84	29.96							
24	OVC	007			2.00	45	42	44	89	13	33	29.98	30.10	24	OVC	016			1.00	-RA BR	50	48	49	93	10	31	29.88	29.99							
SUNRISE: 0717						JAN 15						SUNRISE: 0715						JAN 21						SUNSET: 1748											
03	OVC	013			7.00	42	39	41	89	15	33	30.01	30.12	03	OVC	040			8.00	48	46	47	93	3	33	29.85	29.96								
06	OVC	011			3.00	40	38	39	93	11	36	30.03	30.16	06	OVC	080			9.00	-RA	48	45	47	89	0	00	29.82	29.93							
09	OVC	015			2.50	39	35	37	86	14	34	30.14	30.26	09	BKN	110			10.00	50	47	48	90	5	15	29.88	29.99								
12	OVC	012			2.00	38	35	37	89	16	35	30.19	30.31	12	BKN	070			10.00	58	49	53	72	0	00	29.89	30.00								
15	OVC	014			7.00	37	33	35	86	14	35	30.18	30.29	15	SCT	250			7.00	62	48	55	60	9	13	29.83	29.94								
18	OVC	050			10.00	36	29	33	76	15	34	30.24	30.35	18	BKN	250			10.00	56	46	51	69	10	13	29.85	29.96								
21	OVC	065			10.00	35	27	32	73	16	36	30.26	30.37	21	SCT	100			10.00	49	46	48	89	0	00	29.91	30.02								
24	BKN	110			10.00	35	27	32	73	15	35	30.32	30.43	24	SCT	100			10.00	47	45	46	93	0	00	29.94	30.05								
SUNRISE: 0716						JAN 16						SUNRISE: 0715						JAN 22						SUNSET: 1749											
03	OVC	100			10.00	34	27	31	76	21	36	30.30	30.42	03	BKN	130			10.00	50	46	48	86	3	32	29.94	30.06								
06	BKN	130			10.00	33	25	30	72	16	36	30.35	30.46	06	OVC	130			10.00	50	43	47	77	10	35	29.98	30.10								
09	OVC	100			10.00	35	24	31	64	21	01	30.37	30.49	09	OVC	250			10.00	48	41	45	77	11	36	30.09	30.20								
12	OVC	090			10.00	36	24	32	62	15	36	30.43	30.55	12	BKN	110			10.00	51	41	46	69	14	36	30.09	30.20								
15	OVC	100			10.00	36	22	31	57	16	36	30.40	30.52	15	BKN	250			10.00	53	40	47	62	14	36	30.02	30.14								
18	OVC	130			10.00	33	28	31	82	13	36	30.42	30.55	18	OVC	250			10.00	51	39	45	64	11	36	30.01	30.12								
21	OVC	090			10.00	33	29	31	85	9	02	30.43	30.55	21	OVC	250			10.00	47	37	43	68	13	01	30.08	30.19								
24	OVC	080			10.00	32	29	31	89	9	01	30.42	30.55	24	OVC	250			10.00	45	35	41	68	11	01	30.08	30.19								
SUNRISE: 0716						JAN 17						SUNRISE: 0715						JAN 23						SUNSET: 1750											
03	OVC	070			10.00	33	29	31	85	7	35	30.42	30.53	03	OVC	090			10.00	44	35	40	71	10	01	30.06	30.17								
06	OVC	090			10.00	32	29	31	89	14	36	30.40	30.52	06	OVC	130			10.00	44	34	40	68	11	03	30.05	30.16								
09	OVC	044			7.00	33	30	32	89	9	01	30.45	30.57	09	OVC	250			10.00	44	35	40	71	9	03	30.09	30.20								
12	OVC	016			10.00	34	30	32	85	7	06	30.40	30.53	12	OVC	250			10.00	45	39	42	80	9	36	30.08	30.19								
15	OVC	012			10.00	37	32	35	82	6	01	30.34	30.45	15	OVC	250			10.00	46	40	43	80	8	36	30.08	30.19								
18	OVC	013			10.00	35	32	34	89	7	03	30.32	30.45	18	OVC	050			8.00	-RA	44	41	43	89	10	35	30.08	30.19							
21	OVC	048			10.00	36	32	34	85	5	35	30.35	30.46	21	OVC	070			5.00	RA BR	43	41	42	93	14	02	30.06	30.18							
24	OVC	045			10.00	36	33	35	89	3	33	30.32	30.44	24	OVC	035			4.00	RA BR	43	41	42	93	9	01	30.11	30.22							
SUNRISE: 0716						JAN 18						SUNRISE: 0714						JAN 24						SUNSET: 1751											
03	OVC	048			10.00	37	33	35	86	5	34	30.29	30.40	03	OVC	090			4.00	RA BR	43	41	42	93	5	35	30.08	30.19							
06	OVC	046			8.00	37	34	36	89	7	35	30.27	30.37	06	OVC	055			4.00	RA BR	43	40	42	89	7	34	30.10	30.21							
09	OVC	037			4.00	38	35	37	89	7	04	30.29	30.40	09	OVC	037			3.00	-RA BR	43	39	41	86	6	31	30.18	30.29							
12	OVC	011			2.00	41	38	40	89	6	01	30.27	30.39	12	OVC	037			3.00	-RA BR	44	41	43	89	8	34	30.19	30.30							
15	OVC	008			1.00	42	40	41	93	5	35	30.21	30.32	15	OVC	049			6.00	HZ	46	39	43	77	0	00	30.10	30.21							
18	OVC	020			1.00	43	41	42	93	6	34	30.22	30.35	18	OVC	250			8.00		46	42	44	86	3	29	30.14	30.25							
21	OVC	017			2.00	44	42	43	93	6	35	30.27	30.38	21	BKN	250			8.00		46	42	44	86	0	00	30.16	30.27							
24	OVC	040			10.00	43	41	42	93	8	34	30.29	30.41	24	BKN	250			10.00		43	39	41	86	6	33	30.19	30.31							

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX
JANUARY 2007

KIAH

WBAN # 12960

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND		PRESSURE (INCHES, HG)								
			Observation Time (LST)	Eff Cl'd Amt Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL					
SUNRISE: 0714 JAN 25 SUNSET: 1752						03	SCT	250			10.00	41	37	39	86	3	32	30.19	30.30
06	SCT	250				10.00	39	36	38	89	6	33	30.21	30.32					
09	CLR	NC				10.00	46	39	43	77	7	33	30.27	30.39					
12	CLR	NC				10.00	59	40	50	50	3	VR	30.26	30.37					
15	CLR	NC				10.00	65	35	51	33	7	35	30.18	30.29					
18	CLR	NC				10.00	59	33	47	38	5	31	30.16	30.28					
21	CLR	NC				10.00	48	39	44	71	0	00	30.22	30.32					
24	FEW	250				10.00	43	37	40	79	0	00	30.19	30.30					
SUNRISE: 0713 JAN 26 SUNSET: 1752						03	CLR	NC			10.00	43	36	40	76	0	00	30.16	30.27
06	CLR	NC				10.00	39	36	38	89	0	00	30.14	30.25					
09	CLR	NC				10.00	47	42	45	83	3	09	30.16	30.28					
12	FEW	030				10.00	61	44	52	54	8	15	30.13	30.24					
15	SCT	040				10.00	62	41	51	46	7	13	30.02	30.13					
18	BKN	085				10.00	57	37	48	47	11	13	30.01	30.12					
21	BKN	095				10.00	53	39	46	59	7	13	29.98	30.10					
24	OVC	075				10.00	52	46	49	80	3	10	29.96	30.07					
SUNRISE: 0713 JAN 27 SUNSET: 1753						03	OVC	007			7.00	53	50	51	90	5	11	29.91	30.02
06	OVC	005			RA BR	2.00	53	52	52	96	7	06	29.85	29.96					
09	OVC	003			-RA BR	0.50	54	52	53	93	5	06	29.89	30.00					
12	OVC	005			BR	5.00	58	55	56	90	5	26	29.85	29.96					
15	OVC	038				10.00	63	54	58	73	11	28	29.81	29.92					
18	SCT	250				10.00	62	52	56	70	5	29	29.86	29.96					
21	FEW	040				10.00	56	51	53	83	7	35	29.95	30.06					
24	OVC	016				10.00	52	45	49	77	13	35	30.06	30.17					
SUNRISE: 0712 JAN 28 SUNSET: 1754						03	BKN	020			10.00	46	37	42	71	16	34	30.11	30.22
06	SCT	030				10.00	42	28	36	58	13	35	30.14	30.27					
09	CLR	NC				10.00	42	25	35	51	16	36	30.24	30.35					
12	CLR	NC				10.00	50	24	40	36	11	35	30.27	30.38					
15	CLR	NC				10.00	54	26	42	34	11	34	30.19	30.31					
18	FEW	250				10.00	49	25	39	39	9	35	30.18	30.29					
21	CLR	NC				10.00	43	26	36	51	0	00	30.22	30.34					
24	CLR	NC				10.00	38	26	33	62	3	32	30.26	30.37					
SUNRISE: 0712 JAN 29 SUNSET: 1755						03	FEW	250			10.00	35	25	31	67	0	00	30.24	30.35
06	SCT	250				10.00	32	27	30	82	7	04	30.18	30.29					
09	BKN	250				10.00	39	28	35	65	8	12	30.21	30.32					
12	BKN	250				10.00	50	31	42	48	8	13	30.18	30.29					
15	OVC	130				10.00	54	36	46	51	10	14	30.10	30.21					
18	OVC	150				10.00	51	40	46	66	11	11	30.05	30.16					
21	OVC	048				10.00	50	41	46	71	11	13	30.06	30.17					
24	OVC	032				10.00	50	44	47	80	8	09	30.06	30.18					
SUNRISE: 0711 JAN 30 SUNSET: 1756						03	OVC	009			5.00	48	46	47	93	8	04	30.03	30.15
06	OVC	008			-RA BR	4.00	48	46	47	93	9	03	30.03	30.15					
09	OVC	007			+RA BR	2.00	47	44	46	89	13	04	30.11	30.22					
12	OVC	007			-RA BR	1.25	48	46	47	93	10	05	30.13	30.24					
15	OVC	036			-RA BR	10.00	52	46	49	80	9	03	30.08	30.19					
18	BKN	150				10.00	51	43	47	74	10	03	30.09	30.20					
21	OVC	250				10.00	47	42	45	83	5	36	30.14	30.25					
24	BKN	250				10.00	44	41	43	89	0	00	30.13	30.24					

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND		PRESSURE (INCHES, HG)								
			Observation Time (LST)	Eff Cl'd Amt Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL					
SUNRISE: 0711 JAN 31 SUNSET: 1757						03	BKN	250			8.00	42	39	41	89	7	02	30.06	30.17
06	SCT	130				9.00	39	37	38	93	5	04	30.01	30.12					
09	OVC	049				10.00	42	37	40	83	7	05	30.03	30.15					
12	OVC	018				10.00	47	39	43	74	9	08	29.96	30.07					
15	OVC	029			RA BR	2.00	45	42	44	89	11	06	29.85	29.96					
18	OVC	012			-RA BR	2.50	44	41	43	89	9	04	29.83	29.93					
21	OVC	014				10.00	44	40	42	86	9	06	29.80	29.91					
24	OVC	015				10.00	44	41	43	89	7	09	29.76	29.87					

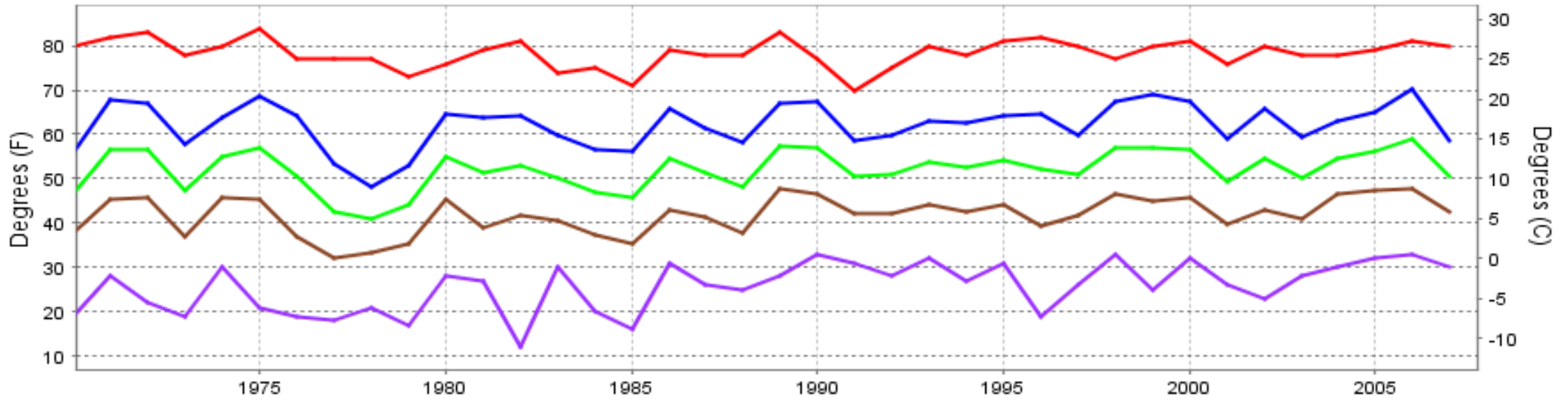
3-HOURLY OBSERVATION NOTES

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, W = 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.

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			48	42	45	83	30.09	30.20	8.19	7	3	35
02			47	42	45	84	30.08	30.20	8.31	7	3	02
03			46	42	44	84	30.08	30.19	8.22	6	4	36
04			46	42	44	86	30.08	30.19	7.85	7	4	35
05			45	41	43	86	30.07	30.19	7.89	8	3	02
06			45	41	44	85	30.08	30.19	7.60	7	3	02
07			45	41	43	85	30.10	30.21	7.59	6	3	02
08			46	41	44	84	30.11	30.22	7.45	8	3	03
09			48	42	45	81	30.13	30.24	7.11	9	3	03
10			50	42	47	76	30.14	30.25	7.46	10	4	05
11			52	42	48	71	30.14	30.25	7.76	10	4	04
12			54	42	49	67	30.11	30.22	8.12	9	4	03
13			56	42	49	64	30.08	30.20	8.15	9	4	03
14			56	43	50	64	30.05	30.16	8.18	10	4	04
15			57	43	50	63	30.04	30.16	8.35	10	4	04
16			57	43	50	64	30.04	30.15	8.82	10	4	05
17			56	43	50	66	30.04	30.16	8.61	10	4	05
18			53	43	49	71	30.05	30.16	8.55	9	4	04
19			52	43	48	75	30.06	30.18	8.47	8	4	04
20			51	43	47	77	30.07	30.19	8.37	7	4	04
21			50	43	47	78	30.08	30.19	8.60	7	5	04
22			49	43	46	80	30.08	30.20	8.77	8	4	03
23			49	43	46	82	30.09	30.20	8.49	7	3	01
24			48	43	46	83	30.09	30.20	8.44	7	3	01

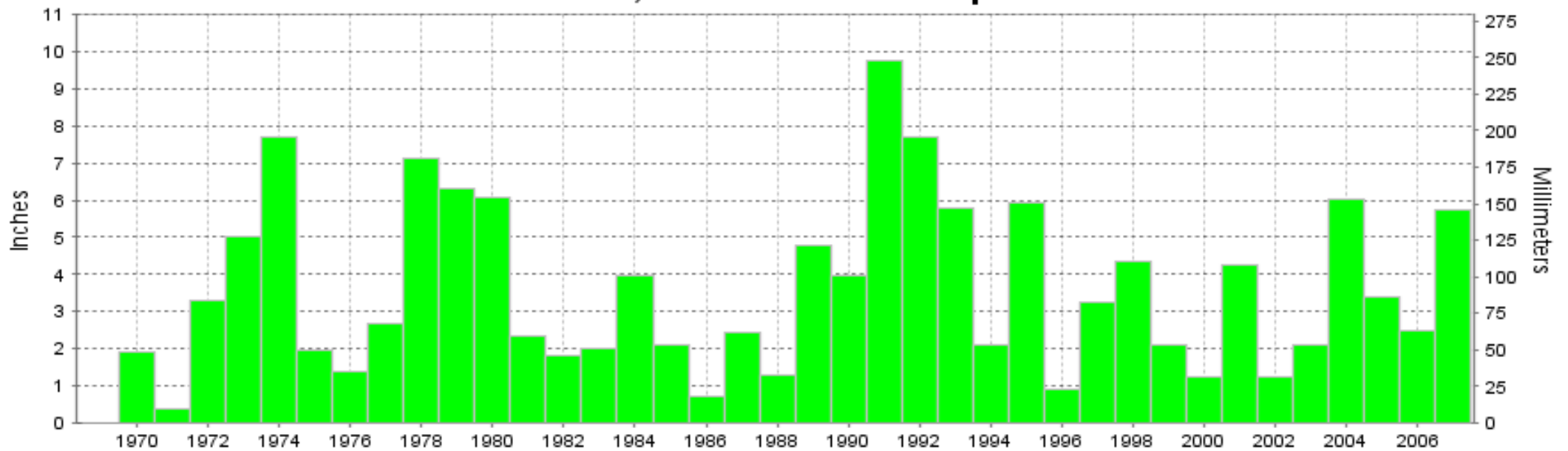
HOUSTON, TX JANUARY Temperatures



— Extreme Max — Mean Max — Mean — Mean Min — Extreme Min

Long-Term (1970-2007) Mean: 52.0
1971-2000 Normal: 51.8

HOUSTON, TX JANUARY Precipitation



Long-Term (1970-2007) Mean Monthly Total: 3.53

1971-2000 Normal: 3.68



**JANUARY 2007
HOUSTON, TX**

**LOCAL CLIMATOLOGICAL DATA
NOAA, National Climatic Data Center**

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