



FEBRUARY 2010 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



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							
																			3-SEC		2-MIN					
									DEPTH 11	WATER- EQUIV 12	SNOW- FALL 13	WATER EQUIV 14					SPEED 20	DIR 21	SPEED 22	DIR 23						
01	49	36	43	-10	40	43	22	0	RA BR HZ	0		0.0	0.01	29.99	30.12	4.0	07	4.5	15	11	9	09	01			
02	59	48	54	1	47	49	11	0	RA BR	0		0.0	T	30.01	30.14	5.0	03	5.7	16	02	14	02	02			
03	54	47	51	-2	45	48	14	0	RA BR	0		0.0	0.83	29.93	30.05	12.4	08	12.7	29	08	23	10	03			
04	55	47	51	-2	48	50	14	0	RA BR	0		0.0	0.24	29.74	29.86	7.4	08	10.2	41	09	35*	11	04			
05	60	45	53	0	46	49	12	0	RA BR	0		0.0	T	29.80	29.93	8.2	30	8.4	21	30	16	31	05			
06	63	41	52	-2	40	46	13	0		0		0.0	0.00	29.96	30.06	4.6	35	5.7	18	36	16	36	06			
07	53	38	46	-8	40	44	19	0		0		0.0	0.00	29.91	30.04	8.2	09	9.3	20	13	15	11	07			
08	69	46	58	4	51	53	7	0	TS TSRA RA BR	0		0.0	0.77	29.74	29.86	6.1	13	16.4	33	16	26	14	08			
09	51	38	45	-9	28	38	20	0		0		0.0	0.00	30.11	30.19	14.6	35	14.8	38	35	29	35	09			
10	48	32	40	-14	28	36	25	0	RA	0		0.0	0.01	30.14	30.27	1.8	03	2.9	21	07	17	06	10			
11	43	37	40	-15	37	39	25	0	RA BR	0		0.0	1.31	29.88	30.03	8.6	06	10.4	25	02	22	09	11			
12	41	36	39*	-16	34	36	26	0	RA BR	0		0.0	0.19	29.99	30.10	9.5	35	9.9	24	36	20	36	12			
13	49	35	42	-13	35	38	23	0	BR HZ	0		0.0	0.00	29.99	30.12	1.7	16	3.5	13	15	10	18	13			
14	68	36	52	-3	42	46	13	0	RA BCFG BR	0		0.0	T	29.93	30.04	7.2	33	9.4	41*	35	32	34	14			
15	52	33	43	-12	22	34	22	0		0		0.0	0.00	30.12	30.24	10.0	32	10.5	31	35	23	34	15			
16	57	30	44	-12	24	36	21	0		0		0.0	0.00	30.14	30.25	4.9	30	5.6	22	33	17	33	16			
17	61	32	47	-9	25	37	18	0		0		0.0	0.00	30.14	30.26	4.1	33	4.7	21	35	17	33	17			
18	63	31	47	-9	32	41	18	0		0		0.0	0.00	30.08	30.21	3.6	12	4.6	18	14	15	15	18			
19	60	44	52	-4	45	48	13	0		0		0.0	0.00	29.98	30.11	6.7	12	6.9	18	15	15	14	19			
20	69	46	58	2	51	54	7	0		0		0.0	0.00	29.89	30.03	7.8	11	8.6	21	11	17	12	20			
21	72*	54	63*	6	59	60	2	0	RA FG+ BR	0		0.0	0.01	29.69	29.82	4.0	16	6.5	21	33	17	33	21			
22	58	45	52	-5	43	46	13	0		0		0.0	0.00	29.78	29.89	11.4	35	11.7	24	01	20	01	22			
23	47	35	41	-16	36	39	24	0	RA DZ SN PL BR	0		T	0.17	29.93	30.02	11.4	36	12.1	28	33	18	36	23			
24	54	35	45	-12	31	38	20	0		0		0.0	0.00	30.09	30.20	8.3	32	8.7	24	30	18	35	24			
25	62	29*	46	-12	37	42	19	0		0		0.0	0.00	29.95	30.08	8.1	13	8.7	30	12	22	13	25			
26	67	45	56	-2	45	48	9	0	RA	0		0.0	0.01	29.88	29.99	6.2	32	10.8	33	31	26	31	26			
27	63	43	53	-5	37	44	12	0		0		0.0	0.00	30.01	30.12	7.6	34	8.0	26	35	22	34	27			
28	65	38	52	-6	41	47	13	0		0		0.0	0.00	29.88	30.01	7.6	12	8.5	31	12	24	12	28			
										< MONTHLY AVERAGES TOTALS >				T	3.55	29.96	30.07	3.2	02	8.6	< MONTHLY AVERAGES					
										-8.9 -4.9 -6.9				DEPARTURE FROM NORMAL				0.57	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3							
DEGREE DAYS										GREATEST 24-HR PRECIPITATION : 1.49 DATE : 11-12				SEA LEVEL PRESSURE				DATE TIME								
MONTHLY										GREATEST 24-HR SNOWFALL : T DATE : 23				MAXIMUM : 30.36				10 1053								
SEASON TO DATE										GREATEST SNOW DEPTH : 0 DATE :				MINIMUM : 29.70				08 1749								
TOTAL DEPARTURE										NUMBER OF -> DAYS WITH				MAXIMUM TEMP >= 90 : 0				MINIMUM TEMP <= 32 : 5				PRECIPITATION >= 0.01 INCH : 10				
HEATING : 455 157 1551 232										MAXIMUM TEMP <= 32 : 0				MINIMUM TEMP <= 0 : 0				PRECIPITATION >= 0.10 INCH : 6								
COOLING : 0 -21 9 -27										THUNDERSTORMS : 1				HEAVY FOG : 1				SNOWFALL >= 1.0 INCH : 0								

FEBRUARY 2010
HOUSTON, TX

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

HOUSTON, TX (KIAH)
FEBRUARY 2010

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	T											01	0.01	0.01		
02	T			T	T								02												02	T	T		
03							T	0.01	T				03	T		T	0.05	T	0.07	0.08	0.28	0.22	0.12	0.01	0.11	0.01	03	0.83	0.83
04	0.04	0.04	0.01	0.01	T								04												04	0.24	0.24		
05		T											05												05	T	T		
06													06												06	0.00	0.00		
07													07												07	0.00	0.00		
08													08				0.13	0.63	0.01	T	T			08	0.77	0.77			
09													09												09	0.00	0.00		
10													10			T	T	T	0.01	T	T	T	T	10	0.01	0.01			
11	T	T	T	0.01	T	T	T	0.02	0.03	0.10	0.10	0.07	11	0.11	0.08	0.04	0.14	0.06	0.06	0.03	0.09	0.11	0.05	0.13	0.08	11	1.31	1.31	
12	0.07	0.11	T	0.01	T	T	T						12												12	0.19	0.19		
13													13												13	0.00	0.00		
14													14												14	T	T		
15													15												15	0.00	0.00		
16													16												16	0.00	0.00		
17													17												17	0.00	0.00		
18													18												18	0.00	0.00		
19													19												19	0.00	0.00		
20													20												20	0.00	0.00		
21				T							0.01		21		T	T									21	0.01	0.01		
22													22												22	0.00	0.00		
23													23		T	0.09	0.03	0.02	0.01	0.01	0.01	0.01	T	T	T	T	23	0.17	0.17
24													24												24	0.00	0.00		
25													25												25	0.00	0.00		
26												T	26	T											26	0.01	0.01		
27													27												27	0.00	0.00		
28													28												28	0.00	0.00		

* 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)	0.36	0.61	0.68	0.70	0.73	0.75	0.76	0.76	0.77	0.77	0.77	0.77
Ending Date	08	08	08	08	08	08	08	08	08	08	08	08
Ending Time (Hr/Min)	1805	1808	1810	1810	1813	1828	1834	1834	1910	1910	1910	1910

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 FEBRUARY 2010

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							2.50	8.00	
02							6.00	10.00	
03							4.00	10.00	
04							1.00	10.00	
05							3.00	10.00	
06							8.00	10.00	
07							9.00	10.00	
08							6.00	10.00	
09							10.00	10.00	
10							10.00	10.00	
11							3.00	10.00	
12							3.00	10.00	
13							3.00	10.00	
14							2.50	10.00	
15							1.50	10.00	
16							10.00	10.00	
17							10.00	10.00	
18							10.00	10.00	
19							10.00	10.00	
20							8.00	10.00	
21							0.12	10.00	
22							0.50	10.00	
23							3.00	10.00	
24							7.00	10.00	
25							10.00	10.00	
26							7.00	10.00	
27							10.00	10.00	
28							9.00	10.00	
MONTHLY AVGS							5.97	9.93	
SUNSHINE (Minutes)									
Total : 0 Possible : 18712									
Percent Possible : 0									
NUMBER OF DAYS WITH :									
SKY CONDITION									
Clear Partly CLDY Cloudy Missing									
MINIMUM VISIBILITY (MILES)									
<= .25 <= 3.0 >= 7.0									
1 11 14									

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX

FEBRUARY 2010

KIAH

WBAN # 12960

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
		SUNRISE: 0652			FEB 25			SUNSET: 1817						
03	CLR	NC				32	28	31	85	0	00	30.06	30.17	
06	CLR	NC				31	29	30	92	0	00	30.05	30.16	
09	FEW	250				45	31	39	58	11	14	30.06	30.18	
12	SCT	250				56	38	47	51	9	14	30.02	30.13	
15	FEW	040				60	37	49	43	15	15	29.89	30.00	
18	BKN	250				54	44	49	69	18	12	29.87	29.98	
21	OVC	050				51	46	49	83	10	10	29.88	29.99	
24	OVC	037				50	47	48	90	8	05	29.89	30.00	
		SUNRISE: 0651			FEB 26			SUNSET: 1817						
03	SCT	050				49	47	48	93	8	11	29.86	29.97	
06	BKN	110				49	47	48	93	7	09	29.84	29.95	
09	BKN	110				54	51	52	90	3	09	29.86	29.98	
12	BKN	110				63	55	58	75	6	29	29.83	29.94	
15	BKN	100				63	47	54	56	17	31	29.79	29.91	
18	OVC	035				52	39	46	61	22	31	29.88	29.99	
21	OVC	019				47	39	43	74	17	32	29.96	30.07	
24	OVC	021				45	37	41	74	14	32	29.98	30.09	
		SUNRISE: 0650			FEB 27			SUNSET: 1818						
03	OVC	019				45	37	41	74	16	34	29.98	30.10	
06	OVC	021				45	37	41	74	11	34	30.02	30.13	
09	FEW	024				48	38	43	68	11	33	30.08	30.19	
12	FEW	039				56	38	47	51	8	34	30.08	30.19	
15	FEW	050				61	35	49	38	8	35	30.00	30.11	
18	CLR	NC				60	33	48	36	7	31	29.98	30.09	
21	FEW	250				47	37	43	68	0	00	29.98	30.10	
24	CLR	NC				47	38	43	71	0	00	30.01	30.12	
		SUNRISE: 0649			FEB 28			SUNSET: 1819						
03	SCT	250				43	40	42	89	0	00	29.97	30.08	
06	FEW	250				40	38	39	93	0	00	29.98	30.09	
09	CLR	NC				52	45	49	77	0	00	29.98	30.10	
12	FEW	250				64	35	50	34	16	14	29.95	30.06	
15	SCT	250				64	38	51	38	21	12	29.83	29.94	
18	BKN	250				57	44	50	62	15	13	29.78	29.89	
21	BKN	250				53	45	49	74	9	10	29.78	29.89	
24	OVC	250				54	46	50	75	7	36	29.83		

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

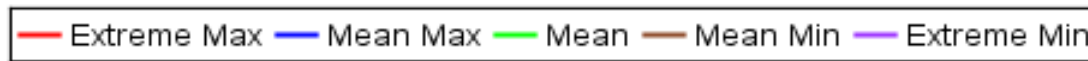
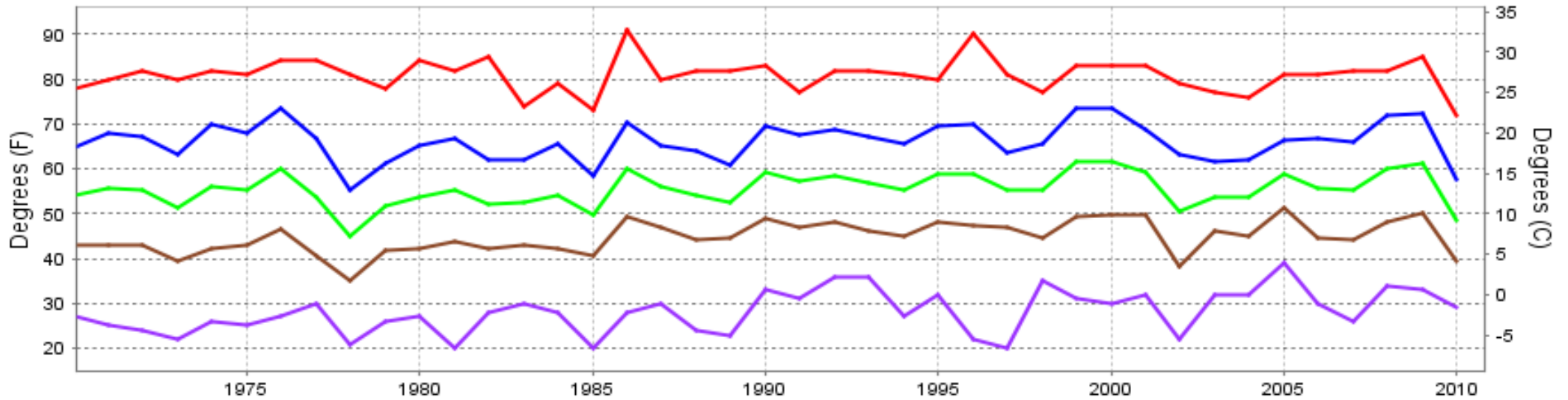
3-HOURLY OBSERVATION NOTES

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

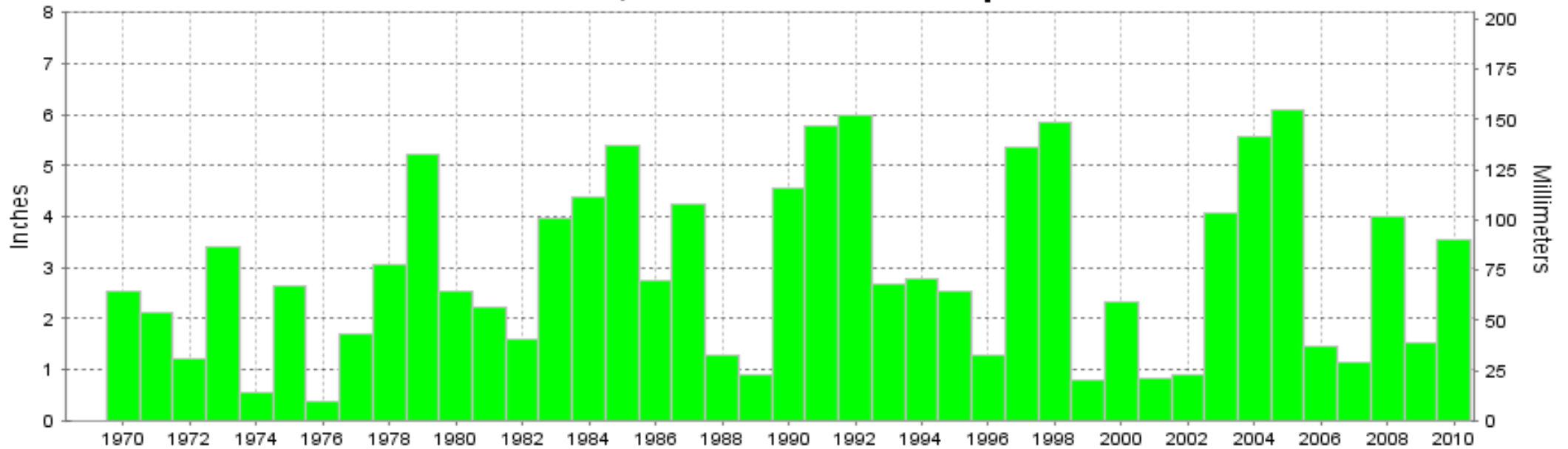
HOUR (LST)	AVERAGES										RESULTANT WIND (MPH)	
	CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (Inches, HG)		VISIBILITY (Miles)	WIND SPEED (MPH)	SPEED	DIRECTION
							STATION	SEA LEVEL				
01			44	38	41	82	29.97	30.09	8.70	7	6	01
02			43	38	41	83	29.97	30.08	8.77	6	7	02
03			43	38	41	84	29.96	30.07	8.72	8	6	02
04			42	38	40	86	29.95	30.07	8.87	8	6	03
05			42	38	40	86	29.96	30.07	8.97	6	6	02
06			42	38	40	85	29.97	30.08	8.83	7	5	02
07			42	38	40	85	29.98	30.09	8.54	6	5	02
08			44	39	41	83	30.00	30.11	8.34	6	6	01
09			46	39	43	78	30.00	30.12	8.73	9	6	03
10			49	39	45	71	30.01	30.12	9.04	9	5	03
11			51	39	46	65	30.01	30.12	9.11	9	6	03
12			53	39	47	62	29.99	30.10	9.21	10	5	02
13			55	38	47	58	29.97	30.08	9.33	11	5	01
14			55	39	48	58	29.93	30.05	9.20	11	5	01
15			56	39	48	57	29.92	30.03	9.16	11	5	36
16			56	39	48	57	29.91	30.02	9.20	12	5	02
17			55	39	48	60	29.91	30.02	9.27	11	5	01
18			53	40	47	64	29.92	30.03	9.16	10	5	36
19			50	39	45	69	29.93	30.04	9.21	9	5	01
20			48	40	44	74	29.95	30.06	9.14	9	5	01
21			47	39	44	76	29.96	30.07	8.89	9	5	01
22			46	39	43	78	29.97	30.08	9.00	8	5	01
23			46	39	43	79	29.97	30.08	9.04	7	5	01
24			45	39	43	79	29.97	30.08	9.21	7	6	01

HOUSTON, TX FEBRUARY Temperatures



Long-Term (1970-2010) Mean: 55.4
 1971-2000 Normal: 55.4

HOUSTON, TX FEBRUARY Precipitation



Long-Term (1970-2010) Mean Monthly Total: 2.88

1971-2000 Normal: 2.98



**FEBRUARY 2010
HOUSTON, TX**

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

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