



FEBRUARY 2011 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														
20	21	22	23	24																															
01	70	24	47	-6	34	39	18	0	RA BR SQ	0		0.0	0.37	29.90	29.98	11.6	32	18.1	53*	28	38*	28	01												
02	39	21*	30	-23	15	26	35	0		0		0.0	0.00	30.34	30.42	13.6	34	13.9	28	36	23	36	02												
03	34	28	31	-22	18	27	34	0	RA FZRA	0		0.0	T	30.27	30.40	11.8	35	11.9	35	35	17	36	03												
04	31	23	27*	-26	24	27	38	0	RA DZ FZRA FZDZ	0		0.0	0.08	30.09	30.24	7.7	31	7.9	21	30	16	31	04												
05	60	24	42	-11	24	35	23	0		0		0.0	0.00	29.86	30.01	5.4	21	6.1	22	25	15	23	05												
06	72	31	52	-2	40	47	13	0	MIFG	0		0.0	0.00	29.80	29.91	4.1	22	6.7	29	23	20	21	06												
07	57	35	46	-8	29	40	19	0		0		0.0	0.00	30.11	30.20	12.0	32	12.1	35	32	26	31	07												
08	56	30	43	-11	34	40	22	0		0		0.0	0.00	30.05	30.17	11.4	12	12.1	29	15	25	15	08												
09	49	27	38	-16	31	35	27	0	RA DZ FZRA FZDZ BR	0		0.0	0.22	30.08	30.17	8.9	36	15.3	33	34	25	34	09												
10	42	25	34	-20	21	29	31	0		0		0.0	0.00	30.21	30.32	8.6	35	9.3	23	35	18	01	10												
11	56	24	40	-15	22	32	25	0		0		0.0	0.00	30.27	30.38	1.8	01	2.2	17	02	12	07	11												
12	63	28	46	-9	25	38	19	0		0		0.0	0.00	30.35	30.46	1.8	18	2.9	14	20	9	17	12												
13	70	30	50	-5	39	45	15	0	MIFG BCFG BR	0		0.0	0.00	30.16	30.30	5.2	20	5.6	22	20	15	17	13												
14	75	43	59	4	52	55	6	0	BR	0		0.0	0.00	30.09	30.21	4.5	15	5.1	20	11	16	12	14												
15	74	51	63	8	55	59	2	0		0		0.0	0.00	30.03	30.15	8.0	16	7.8	24	16	21	15	15												
16	72	53	63	7	57	60	2	0	BR	0		0.0	0.00	29.96	30.09	7.7	15	7.7	24	16	18	16	16												
17	78	59	69	13	61	64	0	4		0		0.0	0.00	29.93	30.03	11.0	17	11.1	25	18	21	16	17												
18	80	60	70	14	61	63	0	5	FG+ BR HZ	0		0.0	0.00	30.03	30.13	8.1	14	8.6	21	14	17	14	18												
19	77	58	68	12	61	63	0	3	FG+ BR	0		0.0	0.00	30.01	30.13	6.0	13	6.6	21	14	17	14	19												
20	78	61	70	14	61	64	0	5	BR	0		0.0	0.00	29.80	29.94	13.0	17	13.2	29	16	23	15	20												
21	79	66	73	16	62	66	0	8	BR	0		0.0	0.00	29.75	29.86	8.4	18	8.8	22	17	15	15	21												
22	78	60	69	12	58	62	0	4	RA BR	0		0.0	T	29.89	29.99	4.2	09	7.8	18	15	16	15	22												
23	82	66	74	17	65	67	0	9	RA BR HZ	0		0.0	T	29.85	29.97	9.3	15	9.7	28	15	22	15	23												
24	80	67	74	17	65	68	0	9	RA BR	0		0.0	0.02	29.73	29.84	9.3	18	9.9	28	16	22	17	24												
25	77	53	65	7	49	56	0	0	FG+ FG BCFG BR	0		0.0	0.00	29.88	30.00	3.3	01	4.9	16	04	13	36	25												
26	73	51	62	4	62	63	3	0	RA BR HZ	0		0.0	T	29.78	29.91	8.1	14	8.5	20	13	17	14	26												
27	83*	67	75*	17	65	68	0	10	BR	0		0.0	0.00	29.65	29.77	13.1	17	13.2	35	15	29	16	27												
28	78	54	66	8	45	57	0	1	RA HZ	0		0.0	T	29.94	30.00	8.8	32	11.8	26	32	22	33	28												
										66.5	43.5	55.0	☼		44.1	49.8	11.9	2.1	< MONTHLY AVERAGES TOTALS >				0.0	0.69	29.99	30.11	1.5	17	9.2	< MONTHLY AVERAGES					
										0.0	-0.8	-0.4	☼		-----DEPARTURE FROM NORMAL -----										-2.29	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									
DEGREE DAYS										GREATEST 24-HR PRECIPITATION : 0.37 DATE : 01										SEA LEVEL PRESSURE				DATE TIME											
MONTHLY										GREATEST 24-HR SNOWFALL : 0.0 DATE :										MAXIMUM : 30.55				12 1053											
TOTAL DEPARTURE										GREATEST SNOW DEPTH : 0 DATE :										MINIMUM : 29.63				01 0453											
SEASON TO DATE										NUMBER OF -> DAYS WITH										MAXIMUM TEMP >= 90 : 0				MINIMUM TEMP <= 32 : 12				PRECIPITATION >= 0.01 INCH : 4							
TOTAL DEPARTURE										THUNDERSTORMS : 0										MAXIMUM TEMP <= 32 : 1				MINIMUM TEMP <= 0 : 0				PRECIPITATION >= 0.10 INCH : 2							
HEATING : 332 34 1232 -87																				HEAVY FOG : 3				SNOWFALL >= 1.0 INCH : 0											
COOLING : 58 37 61 25																																			

FEBRUARY 2011
HOUSTON, TX

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

HOUSTON, TX (KIAH)
FEBRUARY 2011

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		0.02	T			T	0.28	0.07	T				01											01	0.37	0.37		
02													02											02	0.00	0.00		
03													03										T	T	03	T	T	
04	0.01	0.02	0.03	0.01	0.01	T	T						04											04	0.08	0.08		
05													05											05	0.00	0.00		
06													06											06	0.00	0.00		
07													07											07	0.00	0.00		
08													08											08	0.00	0.00		
09				T	0.01	T	0.01	T	T	0.19	0.01	T	09	T	T	T								09	0.22	0.22		
10													10											10	0.00	0.00		
11													11											11	0.00	0.00		
12													12											12	0.00	0.00		
13													13											13	0.00	0.00		
14													14											14	0.00	0.00		
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													21											21	0.00	0.00		
22			T	T									22											22	T	T		
23													23											23	T	T		
24													24											24	0.02	0.02		
25													25			T	0.02							25	0.00	0.00		
26													26		T									26	T	T		
27													27											27	0.00	0.00		
28			T	T	T								28											28	T	T		

* 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)	0.10	0.13	0.17	0.18	0.28	0.33	0.35	0.35	0.35	0.35	0.35	0.35
Ending Date	01	01	01	01	01	01	01	01	01	01	01	01
Ending Time (Hr/Min)	0628	0648	0652	0644	0652	0707	0717	0717	0717	0717	0717	0717

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 2011

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							0.25	10.00	
02							0.25	10.00	
03							7.00	10.00	
04							3.00	10.00	
05							4.00	10.00	
06							9.00	10.00	
07							9.00	10.00	
08							10.00	10.00	
09							1.50	10.00	
10							10.00	10.00	
11							7.00	10.00	
12							8.00	10.00	
13							3.00	10.00	
14							3.00	10.00	
15							7.00	10.00	
16							5.00	10.00	
17							9.00	10.00	
18							0.25	10.00	
19							0.12	10.00	
20							0.25	10.00	
21							6.00	10.00	
22							7.00	10.00	
23							0.50	10.00	
24							6.00	10.00	
25							0.25	10.00	
26							2.50	10.00	
27							2.00	10.00	
28							2.00	10.00	
MONTHLY AVGS							4.39	10.00	
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									
6 14 10									

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX

FEBRUARY 2011

KIAH

WBAN # 12960

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)								
			Observation Time (LST)	Eff Cld Amt Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT		WET BULB	RELATIVE HUMIDITY (PCT)				STATION	SEA LEVEL		Observation Time (LST)	Eff Cld Amt Oktas	VISIBILITY (MILES)		DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	STATION	SEA LEVEL			
SUNRISE: 0712						FEB 01						SUNSET: 1758																		
03	OVC	002			0.25	BR	65	64	64	97	14	14	29.57	29.68	03	OVC	025			10.00	48	38	43	68	13	33	29.98	30.09		
06	OVC	016			3.00	BR	70	66	67	87	14	19	29.54	29.65	06	FEW	025			10.00	43	34	39	71	16	33	30.05	30.16		
09	OVC	060			10.00		44	39	42	83	16	31	29.76	29.87	09	FEW	025			10.00	46	34	41	63	16	31	30.13	30.24		
12	OVC	016			10.00		36	29	33	76	21	30	29.92	30.03	12	FEW	044			10.00	53	27	42	37	16	31	30.16	30.28		
15	BKN	250			10.00		38	26	33	62	21	32	29.93	30.04	15	CLR	NC			10.00	56	21	42	26	21	33	30.10	30.22		
18	SCT	250			10.00		33	20	29	59	18	33	30.00	30.11	18	CLR	NC			10.00	52	23	40	32	11	34	30.10	30.21		
21	FEW	250			10.00		28	17	25	63	26	34	30.13	30.24	21	CLR	NC			10.00	41	28	36	60	3	31	30.14	30.25		
24	FEW	250			10.00		25	14	22	63	10	36	30.14	30.26	24	CLR	NC			10.00	35	27	32	73	0	00	30.14	30.25		
SUNRISE: 0711						FEB 02						SUNSET: 1759																		
03	SCT	250			10.00		23	13	20	65	10	34	30.24	30.36	03	CLR	NC			10.00	32	26	30	79	0	00	30.11	30.23		
06	BKN	250			10.00		21	11	18	65	14	34	30.32	30.45	06	CLR	NC			10.00	33	28	31	82	3	10	30.13	30.24		
09	OVC	250			10.00		23	11	20	60	17	35	30.38	30.50	09	FEW	250			10.00	45	35	41	68	14	11	30.13	30.24		
12	BKN	250			10.00		31	13	26	47	14	35	30.37	30.48	12	SCT	250			10.00	55	36	46	49	15	11	30.11	30.23		
15	BKN	250			10.00		37	15	30	41	14	32	30.29	30.41	15	SCT	250			10.00	55	36	46	49	22	15	30.02	30.13		
18	OVC	250			10.00		35	16	29	46	14	34	30.30	30.42	18	SCT	250			10.00	49	36	43	61	18	14	30.00	30.11		
21	BKN	250			10.00		31	16	26	54	10	34	30.37	30.49	21	OVC	043			10.00	47	38	43	71	14	11	29.98	30.10		
24	OVC	250			10.00		31	16	26	54	9	34	30.37	30.49	24	OVC	037			10.00	48	39	44	71	15	10	29.98	30.09		
SUNRISE: 0710						FEB 03						SUNSET: 1800																		
03	OVC	060			10.00		30	17	26	58	14	35	30.35	30.47	03	OVC	027			10.00	49	39	44	69	16	10	29.90	30.01		
06	OVC	070			10.00		29	17	25	61	14	34	30.35	30.46	06	OVC	080			5.00	-RA	BR	45	41	43	86	13	10	29.92	30.03
09	OVC	060			10.00		29	17	25	61	13	35	30.38	30.50	09	OVC	039			3.00	-RA	BR	45	42	44	89	6	VR	29.94	30.05
12	OVC	065			10.00		32	18	27	56	13	36	30.35	30.47	12	OVC	011			3.00	-RA	BR	34	31	33	89	23	33	30.08	30.19
15	OVC	050			10.00		33	19	28	56	11	35	30.24	30.36	15	OVC	012			10.00	32	28	31	85	18	32	30.05	30.16		
18	OVC	050			10.00		33	19	28	56	14	35	30.22	30.34	18	OVC	017			10.00	29	23	27	78	17	34	30.14	30.25		
21	OVC	046			10.00		33	20	29	59	13	36	30.19	30.31	21	BKN	250			10.00	29	21	26	72	18	34	30.19	30.32		
24	OVC	030			7.00	-FZRA	31	25	29	78	8	33	30.21	30.33	24	BKN	250			10.00	27	19	24	72	15	34	30.21	30.33		
SUNRISE: 0710						FEB 04						SUNSET: 1800																		
03	OVC	025			3.00	-FZRA	30	27	29	89	10	30	30.18	30.29	03	BKN	250			10.00	27	18	24	69	17	34	30.22	30.33		
06	OVC	011			10.00	-FZDZ	28	25	27	89	8	32	30.16	30.28	06	BKN	250			10.00	25	18	23	75	15	34	30.22	30.34		
09	OVC	011			8.00		28	24	27	85	13	31	30.18	30.30	09	OVC	021			10.00	26	18	24	72	15	34	30.27	30.38		
12	OVC	085			10.00		29	25	28	85	11	31	30.14	30.26	12	BKN	023			10.00	35	22	30	59	8	32	30.27	30.38		
15	OVC	017			10.00		30	24	28	78	15	31	30.06	30.18	15	FEW	033			10.00	41	23	34	49	5	33	30.16	30.27		
18	SCT	026			10.00		30	23	28	75	5	31	30.06	30.17	18	CLR	NC			10.00	39	22	33	51	6	01	30.14	30.27		
21	CLR	NC			10.00		27	23	26	85	0	00	30.06	30.18	21	CLR	NC			10.00	32	23	29	69	0	00	30.19	30.31		
24	CLR	NC			9.00		24	21	23	88	0	00	30.03	30.15	24	CLR	NC			10.00	28	23	26	82	3	02	30.22	30.33		
SUNRISE: 0709						FEB 05						SUNSET: 1801																		
03	CLR	NC			9.00		26	23	25	88	6	20	30.02	30.13	03	CLR	NC			9.00	26	23	25	88	0	00	30.21	30.32		
06	CLR	NC			10.00		25	21	24	85	0	00	29.98	30.09	06	CLR	NC			7.00	25	21	24	85	0	00	30.24	30.37		
09	FEW	250			10.00		34	25	31	70	6	22	29.96	30.07	09	CLR	NC			10.00	34	25	31	70	0	00	30.30	30.42		
12	FEW	250			10.00		51	21	39	31	7	22	29.90	30.01	12	CLR	NC			10.00	47	23	38	39	3	VR	30.29	30.40		
15	CLR	NC			10.00		59	23	44	25	13	24	29.80	29.91	15	FEW	110			10.00	54	20	41	26	7	04	30.21	30.32		
18	CLR	NC			10.00		56	23	42	28	5	19	29.79	29.90	18	CLR	NC			10.00	51	20	39	29	6	35	30.24	30.35		
21	CLR	NC			10.00		49	27	40	43	6	18	29.81	29.92	21	CLR	NC			10.00	41	22	34	47	0	00	30.29	30.42		
24	CLR	NC			10.00		38	31	35	76	3	16	29.81	29.92	24	CLR	NC			10.00	35	26	32	70	0	00	30.34	30.45		
SUNRISE: 0708						FEB 06						SUNSET: 1802																		
03	CLR	NC			10.00		33	30	32	89	0	00	29.80	29.91	03	CLR	NC			10.00	31	24	29	75	0	00	30.34	30.45		
06	FEW	250			10.00		33	30	32	89	5	14	29.78	29.89	06	FEW	250			9.00	33	28	31	82	0	00	30.35	30.47		
09	CLR	NC			10.00		49	42	46	77	0	00	29.81	29.92	09	CLR	NC			9.00	41	30	37	65	0	00	30.42	30.53		
12	OVC	044			10.00		65	50	57	59	13	22	29.80	29.91	12	CLR	NC			10.00	58	24	44	27	3	32	30.42	30.53		
15	FEW	047			10.00		71	49	59	46	8	20	29.72	29.83	15	CLR	NC			10.00	62	21	45	21	3	14	30.30	30.42		
18	FEW	045			10.00		68	50	58	53	8	18	29.72	29.83	18	CLR	NC			10.00	59	21	44	23	0	00	30.29	30.41		
21	SCT	040			10.00		62	36	50	38	9	33	29.84	29.95	21	CLR	NC			10.00	50	27	41	41	8	17	30.32	30.43		
24	CLR	NC			10.00		52	34	44	50	9	31	29.92	30.03	24	CLR	NC			10.00	41	31	37	68	5	19	30.32	30.44		

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX
FEBRUARY 2011

KIAH

WBAN # 12960

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)													
			Observation Time (LST)	Eff Cld Amt Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT		WET BULB	RELATIVE HUMIDITY (PCT)				STATION	SEA LEVEL		Observation Time (LST)	Eff Cld Amt Oktas	VISIBILITY (MILES)		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: 0703						FEB 13						SUNSET: 1808						SUNRISE: 0658						FEB 19						SUNSET: 1812					
03	CLR	NC			8.00		36	32	34	85	0	00	30.29	30.40	03	VV	002			0.25	FG	59	58	58	97	5	16	30.03	30.14						
06	CLR	NC			6.00	BR	31	29	30	92	0	00	30.26	30.37	06	OVC	002			0.25	BR	60	59	59	97	0	00	30.03	30.15						
09	CLR	NC			9.00		48	42	45	80	3	22	30.26	30.37	09	OVC	002			0.12	BR	63	62	62	97	3	11	30.10	30.20						
12	CLR	NC			10.00		64	42	53	45	11	20	30.22	30.34	12	BKN	250			10.00		72	62	66	71	7	14	30.09	30.19						
15	CLR	NC			10.00		69	38	53	32	11	21	30.11	30.23	15	BKN	050			9.00		75	62	67	64	11	13	29.98	30.10						
18	CLR	NC			10.00		66	43	54	43	10	18	30.09	30.21	18	SCT	250			9.00		71	63	66	76	11	12	29.97	30.08						
21	CLR	NC			10.00		58	47	52	67	7	17	30.11	30.23	21	SCT	250			6.00	BR	64	61	62	90	6	15	29.98	30.09						
24	CLR	NC			10.00		53	48	50	83	0	00	30.11	30.21	24	FEW	007			5.00	BR	61	60	60	97	3	13	29.95	30.06						
SUNRISE: 0702						FEB 14						SUNRISE: 0657						FEB 20						SUNSET: 1813											
03	SCT	130			7.00		48	47	48	96	0	00	30.06	30.18	03	OVC	011			9.00		65	62	63	90	15	17	29.92	30.02						
06	FEW	028			3.00	BR	44	43	44	96	0	00	30.09	30.20	06	OVC	034			10.00		66	62	64	87	14	16	29.87	29.98						
09	SCT	060			10.00		56	54	55	93	5	13	30.14	30.25	09	OVC	034			10.00		67	61	63	81	14	17	29.90	30.01						
12	BKN	028			10.00		70	56	62	61	6	20	30.14	30.24	12	BKN	038			10.00		74	60	65	62	15	19	29.87	29.98						
15	BKN	250			10.00		75	55	63	50	5	14	30.06	30.17	15	BKN	041			10.00		78	59	66	52	16	16	29.78	29.89						
18	BKN	250			10.00		67	57	61	70	10	13	30.06	30.18	18	BKN	037			10.00		71	60	64	68	14	16	29.76	29.87						
21	FEW	250			10.00		63	57	60	81	6	17	30.08	30.19	21	BKN	045			10.00		68	62	64	81	15	16	29.76	29.86						
24	FEW	250			10.00		60	56	58	87	3	17	30.08	30.19	24	BKN	026			10.00		68	62	64	81	11	18	29.75	29.85						
SUNRISE: 0701						FEB 15						SUNRISE: 0656						FEB 21						SUNSET: 1814											
03	FEW	250			10.00		59	56	57	90	5	19	30.08	30.18	03	BKN	036			10.00		68	63	65	84	9	19	29.72	29.82						
06	SCT	015			7.00		53	52	52	96	0	00	30.06	30.18	06	BKN	028			8.00		67	63	65	87	11	18	29.70	29.80						
09	SCT	250			10.00		62	57	59	84	8	15	30.10	30.20	09	SCT	021			7.00		70	63	66	79	9	17	29.75	29.85						
12	SCT	060			10.00		72	56	63	57	10	16	30.09	30.19	12	BKN	055			10.00		78	61	67	56	9	19	29.77	29.88						
15	BKN	060			10.00		74	56	63	54	13	16	29.98	30.10	15	OVC	060			10.00		78	60	67	54	8	18	29.71	29.82						
18	BKN	250			10.00		68	56	61	66	16	16	29.98	30.09	18	BKN	250			10.00		76	60	66	58	8	16	29.72	29.83						
21	FEW	045			10.00		62	55	58	78	7	17	30.02	30.13	21	OVC	055			10.00		71	64	67	79	6	17	29.79	29.90						
24	FEW	045			10.00		61	56	58	84	5	16	30.01	30.12	24	BKN	055			8.00		69	66	67	90	3	18	29.81	29.92						
SUNRISE: 0700						FEB 16						SUNRISE: 0655						FEB 22						SUNSET: 1815											
03	FEW	040			10.00		59	56	57	90	3	18	29.98	30.09	03	OVC	009			10.00	-RA	64	60	62	87	9	01	29.84	29.94						
06	SCT	041			6.00	BR	58	56	57	93	0	00	29.98	30.10	06	OVC	023			10.00		61	53	57	75	6	02	29.86	29.97						
09	OVC	037			10.00		60	58	59	93	5	14	30.03	30.14	09	OVC	013			10.00		61	49	55	65	7	04	29.94	30.05						
12	OVC	035			10.00		70	60	64	71	10	17	30.02	30.13	12	OVC	014			10.00		67	54	60	63	7	06	29.97	30.07						
15	BKN	049			10.00		71	59	64	66	13	13	29.94	30.05	15	SCT	250			10.00		74	59	65	60	7	15	29.88	29.99						
18	OVC	049			10.00		69	56	61	63	11	16	29.94	30.05	18	BKN	250			10.00		73	59	64	62	14	13	29.88	29.98						
21	FEW	047			10.00		60	55	57	84	9	14	29.96	30.06	21	OVC	075			10.00		68	63	65	84	7	13	29.91	30.01						
24	BKN	031			5.00	BR	59	57	58	93	5	14	29.95	30.06	24	BKN	070			10.00		66	62	64	87	13	15	29.89	29.99						
SUNRISE: 0660						FEB 17						SUNRISE: 0654						FEB 23						SUNSET: 1815											
03	BKN	033			10.00		63	60	61	90	9	16	29.92	30.03	03	OVC	013			6.00	BR	67	65	66	93	9	16	29.87	29.97						
06	BKN	035			10.00		64	60	62	87	8	17	29.91	30.02	06	OVC	007			4.00	BR	66	64	65	93	5	10	29.87	29.98						
09	OVC	030			10.00		66	61	63	84	11	16	29.93	30.04	09	OVC	005			0.50	BR	67	66	66	97	6	13	29.91	30.02						
12	OVC	038			10.00		72	61	65	68	13	17	29.95	30.05	12	BKN	075			10.00		75	65	69	71	9	18	29.92	30.02						
15	BKN	043			10.00		77	60	66	56	14	19	29.88	29.99	15	SCT	060			10.00		80	61	68	52	13	17	29.83	29.93						
18	BKN	041			10.00		71	61	65	71	11	16	29.90	30.01	18	SCT	035			9.00		72	66	68	82	13	12	29.82	29.93						
21	OVC	031			10.00		68	61	64	78	7	17	29.96	30.07	21	OVC	021			7.00		69	66	67	90	11	14	29.83	29.94						
24	OVC	025			10.00		66	62	64	87	8	16	29.98	30.09	24	OVC	016			5.00	BR	69	67	68	93	7	16	29.82	29.93						
SUNRISE: 0659						FEB 18						SUNRISE: 0653						FEB 24						SUNSET: 1816											
03	OVC	023			9.00		66	62	64	87	7	17	29.97	30.08	03	OVC	021			10.00		69	66	67	90	11	16	29.78	29.89						
06	BKN	027			6.00	BR	63	61	62	93	6	15	29.98	30.09	06	OVC	025			10.00		70	65	67	84	13	16	29.76	29.87						
09	BKN	004			1.00	BR	65	62	63	90	8	15	30.05	30.16	09	BKN	033			10.00		72	65	68	79	9	17	29.77	29.88						
12	BKN	250			10.00		76	59	66	56	5	VR	30.06	30.18	12	BKN	055			10.00		78	64	69	62	15	18	29.74	29.85						
15	SCT	250			10.00		78	60	67	54	16	14	30.01	30.12	15	OVC	050			10.00		78	64	69	62	13	18	29.64	29.75						
18	SCT	250			10.00		70	62	65	76	10	12	30.02	30.13	18	BKN	046			10.00		75	66	69	74	8	21	29.66	29.76						
21	OVC	003			0.25	BR	63	61	62	93	11	12	30.06	30.17	21	CLR	NC			10.00		72	66	68	82	5	20	29.73	29.83						
24	VV	002			0.25	BR	60	59	59	97	10	14	30.06	30.17	24	BKN	008			6.00	BR	68	66	67	93	7	24	29.79	29.90						

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX FEBRUARY 2011

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		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	VV	001			0.25	FG	62	61	61	97	0	00	29.82	29.92			
06	CLR	NC			10.00		56	47	51	72	5	35	29.88	29.98			
09	CLR	NC			10.00		57	48	52	72	10	01	29.96	30.07			
12	CLR	NC			10.00		69	47	57	46	6	VR	29.97	30.07			
15	CLR	NC			10.00		77	46	60	33	5	01	29.88	29.99			
18	CLR	NC			10.00		72	45	57	38	8	03	29.86	29.97			
21	CLR	NC			10.00		56	48	52	75	8	07	29.88	29.99			
24	CLR	NC			10.00		55	47	51	75	0	00	29.88	29.98			
SUNRISE: 0651 FEB 26 SUNSET: 1817																	
03	OVC	005			7.00		58	55	56	90	8	18	29.86	29.97			
06	OVC	014			8.00		59	57	58	93	6	12	29.84	29.95			
09	OVC	023			5.00	BR	65	61	63	87	7	13	29.87	29.98			
12	OVC	025			10.00		72	64	67	76	11	16	29.84	29.95			
15	OVC	027			5.00	HZ	71	66	68	84	9	13	29.76	29.87			
18	BKN	070			8.00		70	65	67	84	11	12	29.74	29.85			
21	OVC	008			7.00		68	65	66	90	11	14	29.76	29.87			
24	BKN	017			8.00		68	65	66	90	8	16	29.74	29.85			
SUNRISE: 0650 FEB 27 SUNSET: 1818																	
03	OVC	017			6.00	BR	70	67	68	90	9	17	29.71	29.81			
06	OVC	020			9.00		71	66	68	84	10	16	29.70	29.81			
09	OVC	026			7.00		72	66	68	82	17	16	29.73	29.83			
12	FEW	033			10.00		80	64	70	58	14	18	29.68	29.79			
15	SCT	037			10.00		83	65	71	55	20	17	29.58	29.69			
18	OVC	039			10.00		76	67	70	74	11	18	29.58	29.69			
21	OVC	019			9.00		74	67	69	79	8	18	29.63	29.74			
24	OVC	025			10.00		73	67	69	82	10	18	29.66	29.77			
SUNRISE: 0649 FEB 28 SUNSET: 1819																	
03	OVC	023			10.00		73	66	69	79	8	19	29.65	29.76			
06	OVC	047			7.00		69	54	60	59	3	32	29.80	29.91			
09	OVC	250			7.00		69	39	54	34	9	30	29.87	29.98			
12	CLR	NC			10.00		75	30	53	19	14	32	29.91	30.02			
15	CLR	NC			10.00		75	35	55	23	16	33	29.91	30.02			
18	CLR	NC			10.00		68	41	54	38	15	35	29.97	30.08			
21	CLR	NC			10.00		59	43	51	56	14	34	30.06	30.17			
24	CLR	NC			10.00		55	43	49	64	11	36	30.10	30.21			

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		DRY BULB	DEW POINT	WET BULB		RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL			

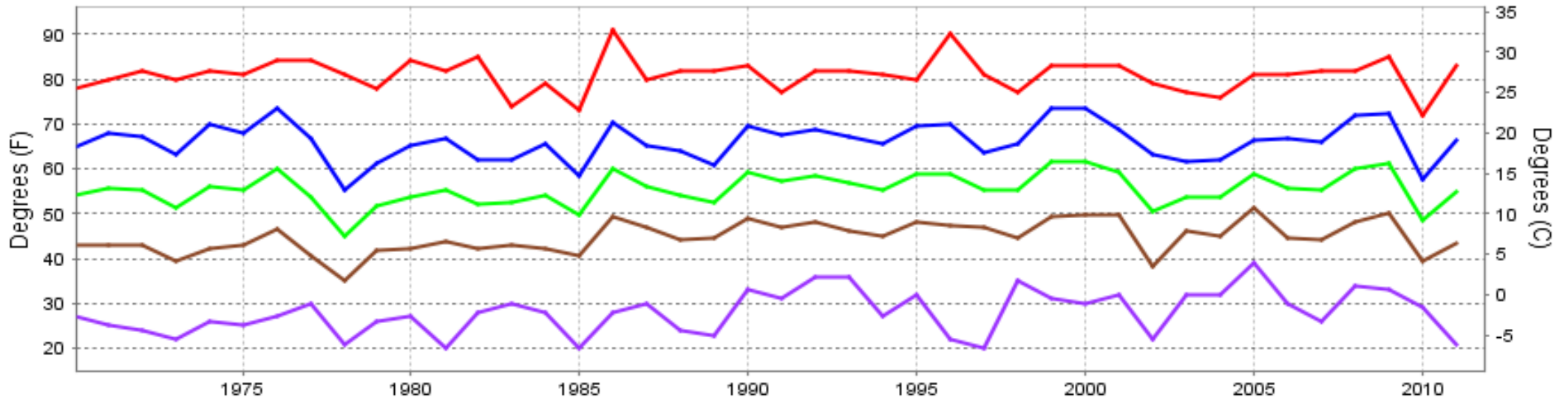
3-HOURLY OBSERVATION NOTES

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			50	44	47	82	30.01	30.12	8.21	7	1	16
02			51	46	48	83	29.98	30.10	8.09	7	2	16
03			50	46	48	85	29.98	30.09	7.99	7	2	16
04			50	45	48	84	29.98	30.09	8.34	7	2	19
05			50	45	47	84	29.98	30.09	8.08	7	1	18
06			49	44	47	84	29.99	30.10	7.79	7	2	16
07			48	43	46	84	30.01	30.12	7.60	7	2	19
08			49	44	47	83	30.02	30.13	7.58	8	1	15
09			52	45	49	77	30.03	30.14	8.09	9	1	17
10			55	45	50	69	30.05	30.16	8.74	11	1	21
11			58	44	51	62	30.05	30.16	9.39	12	2	24
12			60	44	52	57	30.04	30.15	9.75	11	2	24
13			62	43	53	53	30.01	30.12	9.75	12	1	22
14			63	43	53	51	29.97	30.09	9.59	12	1	17
15			64	43	53	51	29.96	30.07	9.79	12	1	20
16			63	43	53	51	29.95	30.06	9.93	12	1	16
17			62	43	53	53	29.95	30.07	9.96	12	2	13
18			60	44	52	58	29.96	30.07	9.86	11	2	12
19			57	44	51	64	29.97	30.08	9.79	10	2	13
20			55	45	50	69	29.99	30.10	9.36	9	2	13
21			54	44	50	71	30.00	30.11	9.26	9	2	13
22			53	44	49	73	30.01	30.12	9.26	8	2	14
23			52	44	49	77	30.01	30.12	8.83	8	2	14
24			51	45	48	80	30.01	30.12	8.69	6	2	15

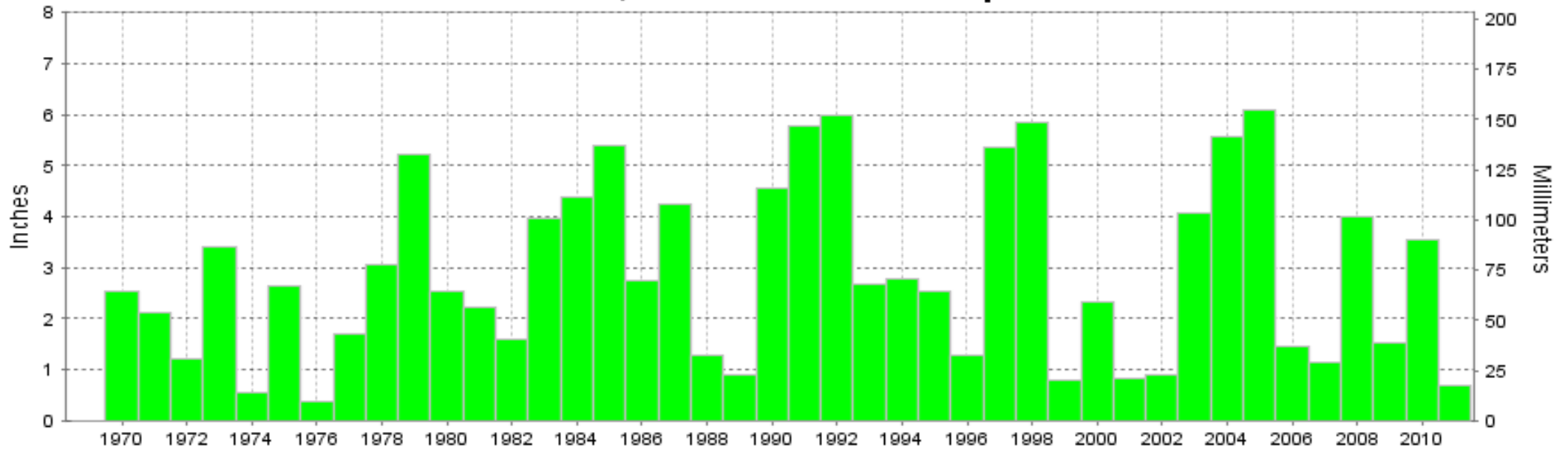
HOUSTON, TX FEBRUARY Temperatures



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

Long-Term (1970-2011) Mean: 55.4
1971-2000 Normal: 55.4

HOUSTON, TX FEBRUARY Precipitation



Long-Term (1970-2011) Mean Monthly Total: 2.83

1971-2000 Normal: 2.98



**FEBRUARY 2011
HOUSTON, TX**

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

I certify that this is an official publication of the National Oceanic and Atmospheric Administration (NOAA). It is compiled using information from weather observing sites operated by NOAA-National Weather Service / Department Of Transportation-Federal Aviation Administration and received at the National Climatic Data Center (NCDC), Asheville, North Carolina 28801.

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