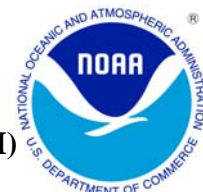




MAY 2011 LOCAL CLIMATOLOGICAL DATA

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				
																		SPEED 20	DIR 21	SPEED 22	DIR 23				
01	90	70	80	8	70	74	0	15		0		0.0	0.00	29.72	29.82	14.7	16	15.3	38	16	28	16	01		
02	84	58	71	-2	54	59	0	6	RA	0		0.0	0.0	29.95	30.02	12.0	34	12.1	32	34	24	35	02		
03	77	55	66	-7	44	54	0	1	RA	0		0.0	0.0	30.17	30.27	11.5	36	12.3	31	02	26	01	03		
04	78	50*	64*	-9	42	53	1	0		0		0.0	0.00	30.19	30.31	4.7	13	6.5	23	12	16	15	04		
05	83	53	68	-5	48	57	0	3		0		0.0	0.00	30.01	30.15	3.2	15	4.8	21	13	17	14	05		
06	86	56	71	-3	52	60	0	6		0		0.0	0.00	29.90	30.04	5.2	15	6.1	23	12	20	15	06		
07	91	64	78	4	63	68	0	13		0		0.0	0.00	29.78	29.91	8.1	18	8.3	24	15	20	15	07		
08	93	73	83	9	68	72	0	18		0		0.0	0.00	29.73	29.86	9.8	17	10.0	28	15	22	15	08		
09	94	76	85	11	68	73	0	20		0		0.0	0.00	29.70	29.82	13.2	16	13.3	32	14	24	15	09		
10	91	76	84	9	69	73	0	19		0		0.0	0.00	29.71	29.83	13.1	15	13.6	33	15	25	14	10		
11	85	76	81	6	71	73	0	16	RA BR	0		0.0	0.09	29.73	29.84	11.9	15	12.2	35	13	30	13	11		
12	84	65	75	0	68	70	0	10	TS TSRA RA BR	0		0.0	0.23	29.76	29.88	5.3	13	9.1	52*	15	43*	15	12		
13	93	61	77	2	60	67	0	12		0		0.0	0.00	29.75	29.86	6.2	33	7.3	26	36	21	34	13		
14	82	60	71	-4	47	58	0	6		0		0.0	0.00	29.83	29.94	9.6	34	10.3	26	36	22	35	14		
15	84	56	70	-6	45	57	0	5		0		0.0	0.00	29.85	29.97	5.9	01	7.3	20	02	16	35	15		
16	87	64	76	0	46	59	0	11		0		0.0	0.00	29.81	29.94	7.4	36	8.1	30	35	22	35	16		
17	83	57	70	-7	56	62	0	5		0		0.0	0.00	29.72	29.85	8.2	14	8.6	23	13	18	14	17		
18	80	63	72	-5	64	67	0	7		0		0.0	0.00	29.64	29.76	12.5	14	12.9	31	14	23	13	18		
19	88	74	81	4	70	73	0	16	RA BR HZ	0		0.0	0.0	29.67	29.78	15.3	14	15.5	32	15	26	14	19		
20	93	79	86	9	73	76	0	21	RA HZ	0		0.0	0.0	29.67	29.78	16.7	16	17.0	38	15	32	15	20		
21	89	74	82	5	72	75	0	17		0		0.0	0.00	29.75	29.86	12.2	13	12.7	28	13	23	14	21		
22	92	76	84	7	70	74	0	19		0		0.0	0.00	29.76	29.87	14.0	17	14.1	32	16	24	16	22		
23	92	76	84	7	70	74	0	19		0		0.0	0.00	29.72	29.84	14.6	16	14.7	35	15	25	15	23		
24	94	78	86	9	70	75	0	21		0		0.0	0.00	29.68	29.79	14.3	16	14.5	33	15	25	15	24		
25	95	79	87	9	71	76	0	22	RA	0		0.0	0.0	29.67	29.78	8.9	19	9.4	25	17	21	16	25		
26	98*	72	85	7	58	68	0	20	RA	0		0.0	0.01	29.76	29.87	4.2	35	6.5	22	04	14	34	26		
27	97	70	84	6	69	74	0	19	BR HZ	0		0.0	0.00	29.68	29.81	10.0	17	10.5	31	15	24	15	27		
28	95	77	86	8	70	75	0	21		0		0.0	0.00	29.65	29.77	13.1	16	13.3	37	15	25	14	28		
29	94	77	86	8	71	75	0	21		0		0.0	0.00	29.74	29.84	15.2	15	15.6	33	15	28	13	29		
30	95	79	87*	8	71	75	0	22		0		0.0	0.00	29.85	29.95	17.7	14	18.0	33	14	28	15	30		
31	96	75	86	7	70	75	0	21		0		0.0	0.00	30.01	30.10	10.4	14	10.7	26	13	21	15	31		
										< MONTHLY AVERAGES TOTALS >				0.0	0.33	29.79	29.91	6.8	15	11.3	< MONTHLY AVERAGES				
										<----- DEPARTURE FROM NORMAL ----->				-4.82		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									
DEGREE DAYS										GREATEST 24-HR PRECIPITATION : 0.32 DATE : 11-12				SEA LEVEL PRESSURE				DATE TIME							
MONTHLY										GREATEST 24-HR SNOWFALL : 0.0 DATE :				MAXIMUM : 30.39 04 0953											
TOTAL DEPARTURE										GREATEST SNOW DEPTH : 0 DATE :				MINIMUM : 29.72 28 1753											
SEASON TO DATE										NUMBER OF -> DAYS WITH				MAXIMUM TEMP >= 90 : 17				MINIMUM TEMP <= 32 : 0				PRECIPITATION >= 0.01 INCH : 3			
TOTAL DEPARTURE										THUNDERSTORMS : 1				MAXIMUM TEMP <= 32 : 0				MINIMUM TEMP <= 0 : 0				PRECIPITATION >= 0.10 INCH : 1			
HEATING : 1 -1 1314 -211														THUNDERSTORMS : 1				HEAVY FOG : 0				SNOWFALL >= 1.0 INCH : 0			
COOLING : 432 104 933 359																									

MAY 2011
HOUSTON, TX

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

HOUSTON, TX (KIAH)
MAY 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													01												01	0.00	0.00	
02													02												02	T	T	
03	T				T	T							03								T	T			03	T	T	
04													04												04	0.00	0.00	
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													09												09	0.00	0.00	
10													10												10	0.00	0.00	
11													11												11	0.09	0.09	
12	0.01			T	T						T		12	0.12	0.06	0.04	T	0.01	0.03	0.02	0.03	T		T	12	0.23	0.23	
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	T	T	
20		T	T										20						T		T	T			20	T	T	
21													21												21	0.00	0.00	
22													22												22	0.00	0.00	
23													23												23	0.00	0.00	
24													24												24	0.00	0.00	
25													25											T	25	T	T	
26	0.01												26												26	0.01	0.01	
27													27												27	0.00	0.00	
28													28												28	0.00	0.00	
29													29												29	0.00	0.00	
30													30												30	0.00	0.00	
31													31												31	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)												
Ending Date												
Ending Time (Hr/Min)												

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 MAY 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							7.00	10.00	
02							7.00	10.00	
03							10.00	10.00	
04							10.00	10.00	
05							10.00	10.00	
06							10.00	10.00	
07							10.00	10.00	
08							10.00	10.00	
09							10.00	10.00	
10							7.00	10.00	
11							4.00	10.00	
12							4.00	10.00	
13							7.00	10.00	
14							10.00	10.00	
15							10.00	10.00	
16							10.00	10.00	
17							10.00	10.00	
18							10.00	10.00	
19							5.00	10.00	
20							5.00	10.00	
21							6.00	10.00	
22							8.00	10.00	
23							10.00	10.00	
24							10.00	10.00	
25							7.00	10.00	
26							10.00	10.00	
27							2.00	10.00	
28							10.00	10.00	
29							8.00	10.00	
30							10.00	10.00	
31							10.00	10.00	
MONTHLY AVGS							8.29	10.00	
SUNSHINE (Minutes)									
Total : 0					Possible : 25401				
Percent Possible : 0									
NUMBER OF DAYS WITH :									
SKY CONDITION									
Clear		Partly CLDY			Cloudy			Missing	
MINIMUM VISIBILITY (MILES)									
<= .25			<= 3.0				>= 7.0		
0			1				25		

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX
MAY 2011

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						
SUNRISE: 0539						MAY 01						SUNSET: 1858						SUNRISE: 0534						MAY 07						SUNSET: 1902					
03	OVC	030			10.00	78	72	74	82	11	15	29.69	29.79	03	BKN	130			10.00		67	61	63	81	5	17	29.82	29.93							
06	OVC	032			10.00	78	72	74	82	14	16	29.70	29.80	06	BKN	130			10.00		65	61	63	87	5	17	29.83	29.94							
09	SCT	250			8.00	83	71	75	67	16	17	29.71	29.82	09	BKN	250			10.00		75	63	67	66	7	18	29.85	29.96							
12	BKN	250			10.00	86	68	74	55	26	15	29.71	29.82	12	FEW	035			10.00		85	61	70	45	10	20	29.81	29.91							
15	BKN	250			10.00	88	68	74	52	16	16	29.68	29.78	15	FEW	045			10.00		90	59	70	35	11	16	29.75	29.85							
18	BKN	250			10.00	83	71	75	67	16	15	29.69	29.80	18	SCT	250			10.00		85	65	72	51	14	17	29.74	29.85							
21	BKN	250			10.00	80	72	75	77	8	16	29.76	29.86	21	FEW	250			10.00		76	67	70	74	8	17	29.78	29.89							
24	OVC	035			10.00	70	56	62	61	15	35	29.79	29.90	24	SCT	250			10.00		73	69	70	87	7	17	29.79	29.90							
SUNRISE: 0538						MAY 02						SUNSET: 1859						SUNRISE: 0533						MAY 08						SUNSET: 1903					
03	OVC	045			10.00	62	52	56	70	9	01	29.79	29.90	03	BKN	015			10.00		74	70	71	87	6	18	29.77	29.87							
06	OVC	036			10.00	62	51	56	67	8	35	29.85	29.96	06	BKN	017			10.00		75	69	71	82	7	18	29.77	29.88							
09	OVC	016			7.00	63	52	57	68	14	34	29.94	30.04	09	OVC	027			10.00		80	68	72	67	8	19	29.80	29.90							
12	BKN	250			10.00	73	55	62	53	8	34	29.94	30.05	12	SCT	250			10.00		89	68	75	50	13	15	29.76	29.87							
15	BKN	250			10.00	82	60	68	47	13	34	29.87	29.98	15	SCT	250			10.00		91	67	75	45	15	17	29.71	29.82							
18	OVC	250			10.00	65	52	58	63	18	35	29.94	30.05	18	SCT	250			10.00		85	68	74	57	15	17	29.69	29.80							
21	OVC	042			10.00	59	52	55	78	13	35	30.03	30.15	21	SCT	250			10.00		78	71	73	79	13	16	29.73	29.84							
24	OVC	045			10.00	59	50	54	72	15	34	30.08	30.18	24	BKN	250			10.00		77	71	73	82	9	17	29.74	29.85							
SUNRISE: 0537						MAY 03						SUNSET: 1859						SUNRISE: 0532						MAY 09						SUNSET: 1903					
03	OVC	016			10.00	56	49	52	78	14	34	30.09	30.20	03	BKN	250			10.00		77	71	73	82	13	16	29.70	29.81							
06	OVC	014			10.00	56	49	52	78	14	35	30.14	30.26	06	BKN	250			10.00		77	70	72	79	9	16	29.72	29.83							
09	BKN	250			10.00	59	47	53	65	20	35	30.22	30.33	09	SCT	250			10.00		82	69	73	65	15	16	29.77	29.88							
12	FEW	038			10.00	71	45	57	39	17	04	30.22	30.32	12	SCT	250			10.00		91	69	76	49	18	17	29.74	29.84							
15	CLR	NC			10.00	75	39	56	27	20	03	30.14	30.26	15	SCT	250			10.00		92	64	73	40	17	17	29.68	29.79							
18	FEW	250			10.00	73	36	54	26	17	04	30.14	30.25	18	SCT	250			10.00		87	60	70	40	17	16	29.65	29.76							
21	FEW	250			10.00	64	39	52	40	3	35	30.19	30.31	21	SCT	250			10.00		78	71	73	79	10	15	29.70	29.80							
24	FEW	250			10.00	56	41	49	57	0	00	30.22	30.34	24	BKN	026			10.00		78	71	73	79	6	16	29.71	29.81							
SUNRISE: 0536						MAY 04						SUNSET: 1900						SUNRISE: 0532						MAY 10						SUNSET: 1904					
03	CLR	NC			10.00	54	41	48	62	3	35	30.22	30.34	03	OVC	029			8.00		79	71	74	77	11	16	29.68	29.78							
06	SCT	250			10.00	50	42	46	74	0	00	30.24	30.36	06	BKN	028			10.00		76	70	72	82	11	16	29.71	29.82							
09	BKN	250			10.00	67	43	55	42	8	10	30.27	30.39	09	BKN	027			10.00		81	68	72	65	11	16	29.76	29.87							
12	BKN	250			10.00	74	39	56	28	7	VR	30.24	30.35	12	SCT	250			10.00		90	65	73	44	20	16	29.73	29.83							
15	BKN	250			10.00	77	39	57	26	11	15	30.16	30.27	15	BKN	250			10.00		88	70	76	55	15	14	29.71	29.81							
18	BKN	250			10.00	73	41	56	32	11	13	30.13	30.24	18	BKN	250			10.00		82	71	74	69	17	13	29.69	29.79							
21	BKN	250			10.00	66	46	55	49	7	16	30.16	30.26	21	OVC	250			10.00		78	70	73	77	10	14	29.74	29.84							
24	SCT	250			10.00	63	46	54	54	5	18	30.14	30.25	24	OVC	040			10.00		78	70	73	77	13	13	29.74	29.84							
SUNRISE: 0536						MAY 05						SUNSET: 1901						SUNRISE: 0531						MAY 11						SUNSET: 1905					
03	CLR	NC			10.00	56	47	51	72	0	00	30.10	30.20	03	OVC	038			10.00		77	71	73	82	13	15	29.70	29.80							
06	SCT	250			10.00	54	48	51	80	3	33	30.09	30.20	06	BKN	034			10.00		76	70	72	82	11	15	29.73	29.83							
09	FEW	130			10.00	70	49	58	47	6	11	30.11	30.22	09	OVC	250			10.00		80	68	72	67	14	17	29.76	29.87							
12	SCT	250			10.00	77	45	59	32	5	22	30.06	30.17	12	BKN	110			10.00		83	66	72	57	22	14	29.71	29.82							
15	FEW	050			10.00	81	46	61	29	6	VR	29.97	30.08	15	OVC	130			10.00		82	70	74	67	18	15	29.68	29.78							
18	CLR	NC			10.00	77	51	62	40	16	13	29.94	30.05	18	OVC	035			4.00	-RA BR	77	75	76	94	7	11	29.71	29.82							
21	CLR	NC			10.00	68	51	58	55	6	16	29.98	30.09	21	OVC	034			7.00	-RA	76	74	75	94	5	16	29.76	29.87							
24	CLR	NC			10.00	65	52	58	63	0	00	29.98	30.09	24	OVC	034			7.00	-RA	76	74	75	94	0	00	29.80	29.91							
SUNRISE: 0535						MAY 06						SUNSET: 1901						SUNRISE: 0530						MAY 12						SUNSET: 1905					
03	CLR	NC			10.00	57	52	54	83	0	00	29.97	30.07	03	OVC	025			6.00	BR	76	74	75	94	6	10	29.76	29.87							
06	CLR	NC			10.00	57	53	55	87	0	00	29.97	30.07	06	OVC	024			8.00		75	73	74	94	9	11	29.79	29.89							
09	FEW	070			10.00	74	57	64	56	6	16	30.00	30.11	09	BKN	130			10.00		81	71	74	72	17	14	29.80	29.91							
12	SCT	250			10.00	83	54	65	37	9	10	29.95	30.06	12	OVC	250			10.00		83	69	74	63	11	13	29.82	29.92							
15	FEW	050			10.00	85	49	64	29	14	16	29.88	29.99	15	BKN	250			8.00	RA	68	64	66	87	13	32	29.85	29.96							
18	FEW	250			10.00	80	45	60	29	16	12	29.84	29.95	18	OVC	250			10.00		74	61	66	64	7	21	29.71	29.82							
21	FEW	250			10.00	71	51	60	49	9	16	29.87	29.98	21	BKN	250			10.00		68	63	65	84	3	16	29.74	29.85							
24	FEW	130			10.00	67	58	62	73	6	17	29.85	29.96	24	FEW	250			10.00		66	64	65	93	0	00	29.77	29.88							

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX
MAY 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								
																												WEATHER	WEATHER						
SUNRISE: 0530						MAY 13						SUNSET: 1906						SUNRISE: 0526						MAY 19						SUNSET: 1910					
03	FEW	250			10.00		64	62	63	93	3	24	29.75	29.85	03	BKN	070			10.00		74	67	69	79	11	14	29.63	29.74						
06	CLR	NC			8.00		63	62	62	97	0	00	29.77	29.88	06	BKN	070			10.00		75	69	71	82	11	14	29.66	29.77						
09	CLR	NC			10.00		75	66	69	74	6	27	29.79	29.90	09	BKN	250			10.00		81	69	73	67	18	15	29.68	29.79						
12	FEW	030			10.00		85	66	72	53	7	VR	29.76	29.87	12	OVC	080			10.00		84	68	73	59	17	15	29.70	29.81						
15	SCT	040			10.00		93	61	72	34	14	32	29.69	29.80	15	BKN	080			10.00		83	71	75	67	17	14	29.67	29.78						
18	CLR	NC			10.00		88	49	65	26	15	34	29.69	29.80	18	OVC	024			8.00		79	73	75	82	15	12	29.65	29.76						
21	CLR	NC			10.00		77	54	63	45	9	34	29.78	29.88	21	OVC	008			6.00	BR	77	75	76	94	14	12	29.66	29.77						
24	CLR	NC			10.00		71	54	61	55	8	35	29.82	29.93	24	OVC	024			6.00	BR	79	75	76	88	18	14	29.67	29.78						
SUNRISE: 0529						MAY 14						SUNRISE: 0526						MAY 20						SUNSET: 1910											
03	CLR	NC			10.00		64	54	58	70	5	32	29.83	29.94	03	OVC	025			6.00	HZ	79	74	76	85	15	14	29.66	29.77						
06	CLR	NC			10.00		61	52	56	72	7	34	29.85	29.96	06	OVC	022			5.00	HZ	79	74	76	85	13	14	29.67	29.78						
09	CLR	NC			10.00		69	48	57	47	16	36	29.90	30.01	09	BKN	027			7.00		83	73	76	72	16	17	29.72	29.83						
12	CLR	NC			10.00		77	43	59	30	9	32	29.86	29.96	12	BKN	035			10.00		88	74	78	63	20	17	29.69	29.80						
15	CLR	NC			10.00		81	44	60	27	14	34	29.79	29.89	15	BKN	250			10.00		91	68	75	47	26	16	29.64	29.74						
18	CLR	NC			10.00		78	42	59	28	13	34	29.77	29.88	18	OVC	027			7.00		83	74	77	74	21	15	29.62	29.73						
21	CLR	NC			10.00		68	45	56	44	7	VR	29.83	29.93	21	OVC	017			7.00		81	74	76	79	7	17	29.69	29.79						
24	CLR	NC			10.00		62	46	54	56	6	36	29.85	29.96	24	OVC	035			8.00		80	74	76	82	6	17	29.73	29.83						
SUNRISE: 0528						MAY 15						SUNRISE: 0525						MAY 21						SUNSET: 1911											
03	CLR	NC			10.00		57	47	52	69	3	36	29.86	29.97	03	OVC	023			10.00		75	65	69	71	0	00	29.73	29.84						
06	CLR	NC			10.00		56	47	51	72	6	02	29.90	30.00	06	OVC	032			9.00		78	74	75	88	10	11	29.76	29.86						
09	FEW	250			10.00		67	43	54	42	11	04	29.96	30.07	09	BKN	032			10.00		81	73	75	77	15	15	29.79	29.90						
12	FEW	250			10.00		77	43	59	30	6	VR	29.91	30.01	12	BKN	048			10.00		86	72	76	63	16	13	29.78	29.89						
15	FEW	250			10.00		82	42	60	24	11	35	29.82	29.93	15	BKN	050			10.00		87	73	77	63	18	12	29.74	29.85						
18	FEW	250			10.00		81	42	60	25	10	33	29.79	29.90	18	SCT	040			10.00		82	74	76	77	18	13	29.73	29.84						
21	SCT	250			10.00		73	45	58	37	7	35	29.84	29.95	21	OVC	026			10.00		80	73	75	79	10	14	29.77	29.87						
24	SCT	250			10.00		67	47	56	49	3	35	29.85	29.96	24	SCT	036			10.00		79	72	74	79	10	16	29.76	29.87						
SUNRISE: 0528						MAY 16						SUNRISE: 0525						MAY 22						SUNSET: 1912											
03	BKN	100			10.00		67	48	57	51	3	34	29.84	29.95	03	SCT	017			10.00		77	72	74	85	13	17	29.75	29.86						
06	BKN	110			10.00		66	48	56	52	0	00	29.86	29.97	06	BKN	014			10.00		76	71	73	85	14	16	29.78	29.89						
09	SCT	250			10.00		73	49	60	43	0	00	29.91	30.02	09	SCT	020			10.00		82	68	73	63	11	17	29.83	29.94						
12	FEW	250			10.00		83	46	62	27	14	36	29.86	29.97	12	SCT	130			10.00		89	67	74	48	14	17	29.81	29.92						
15	CLR	NC			10.00		87	45	63	23	20	35	29.79	29.90	15	SCT	130			10.00		90	68	75	48	16	17	29.76	29.87						
18	CLR	NC			10.00		82	43	60	25	15	36	29.75	29.86	18	SCT	130			9.00		84	71	75	65	18	16	29.70	29.81						
21	CLR	NC			10.00		72	44	57	37	6	01	29.80	29.91	21	BKN	130			10.00		80	71	74	74	14	16	29.73	29.83						
24	CLR	NC			10.00		64	46	54	52	3	02	29.80	29.91	24	BKN	023			10.00		79	71	74	77	8	17	29.78	29.88						
SUNRISE: 0527						MAY 17						SUNRISE: 0524						MAY 23						SUNSET: 1912											
03	CLR	NC			10.00		57	48	52	72	5	11	29.79	29.89	03	SCT	025			10.00		78	71	73	79	11	16	29.73	29.84						
06	SCT	100			10.00		59	52	55	78	6	12	29.80	29.91	06	SCT	150			10.00		77	71	73	82	10	16	29.75	29.85						
09	SCT	130			10.00		74	57	64	56	11	12	29.82	29.93	09	BKN	150			10.00		83	68	73	61	22	16	29.77	29.88						
12	BKN	250			10.00		79	58	66	49	5	15	29.77	29.88	12	BKN	090			10.00		90	68	75	48	13	17	29.75	29.85						
15	SCT	250			10.00		82	58	67	44	17	12	29.69	29.80	15	SCT	049			10.00		91	69	76	49	17	17	29.72	29.82						
18	FEW	040			10.00		77	58	65	52	15	15	29.66	29.77	18	SCT	034			10.00		85	71	75	63	18	15	29.70	29.81						
21	FEW	250			10.00		71	59	64	66	7	17	29.69	29.80	21	BKN	041			10.00		81	73	75	77	11	16	29.72	29.83						
24	FEW	250			10.00		69	60	64	73	7	17	29.69	29.80	24	OVC	034			10.00		80	73	75	79	13	16	29.71	29.82						
SUNRISE: 0527						MAY 18						SUNRISE: 0524						MAY 24						SUNSET: 1913											
03	FEW	250			10.00		65	60	62	84	5	15	29.64	29.75	03	BKN	024			10.00		79	73	75	82	11	17	29.69	29.79						
06	BKN	075			10.00		64	61	62	90	6	13	29.86		06	BKN	026			10.00		78	72	74	82	8	17	29.72	29.83						
09	OVC	080			10.00		76	64	68	67	13	15	29.68	29.79	09	SCT	023			10.00		85	69	74	59	13	16	29.74	29.85						
12	OVC	040			10.00		79	65	70	62	13	16	29.66	29.77	12	FEW	044			10.00		91	68	75	47	18	15	29.71	29.82						
15	OVC	045			10.00		78	66	70	67	18	13	29.63	29.74	15	SCT	050			10.00		92	67	75	44	17	15	29.65	29.76						
18	OVC	037			10.00		76	66	70	71	20	13	29.61	29.72	18	FEW	050			10.00		86	69	74	57	17	16	29.63	29.73						
21	OVC	070			10.00		74	65	68	74	13	13	29.65	29.75	21	BKN	028			10.00		81	72	75	74	17	17	29.64	29.75						
24	BKN	075			10.00		75	66	69	74	17	15	29.65	29.76	24	BKN	025			10.00		81	72	75	74	10	18	29.68	29.78						

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX
MAY 2011

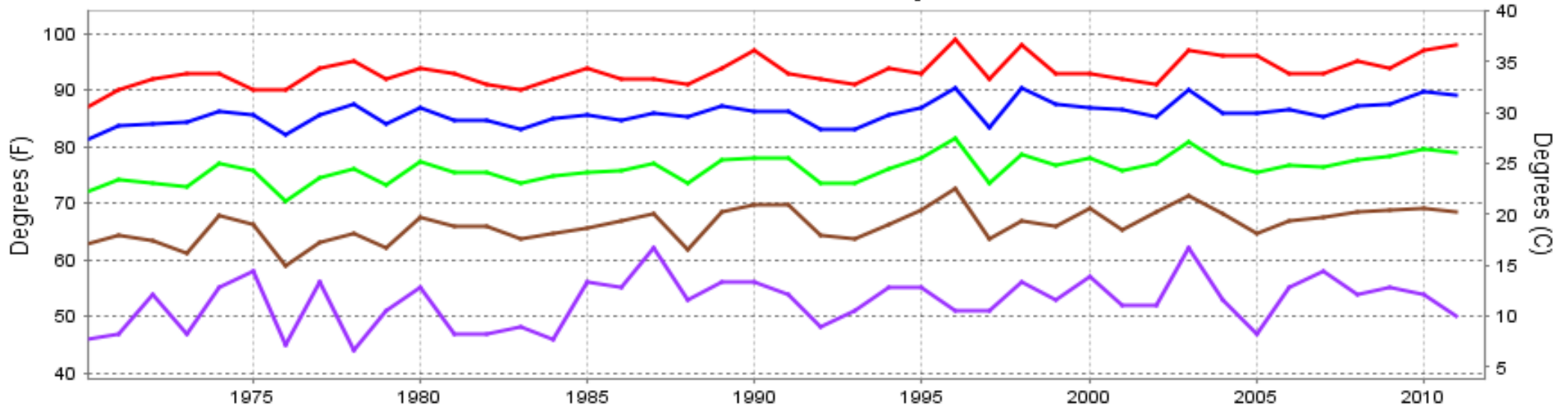
KIAH

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		VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL																	
SUNRISE: 0523						MAY 25						SUNSET: 1913																			
03	BKN	018			10.00	79	72	74	79	13	17	29.64	29.75	03	BKN	032			10.00	79	73	75	82	10	15	29.91	30.02				
06	BKN	150			7.00	79	72	74	79	8	17	29.70	29.80	06	SCT	250			10.00	76	73	74	90	7	13	29.97	30.07				
09	SCT	250			10.00	85	72	76	65	9	18	29.70	29.80	09	BKN	250			10.00	86	70	75	59	14	14	30.02	30.13				
12	BKN	080			10.00	92	69	76	47	14	22	29.69	29.79	12	SCT	250			10.00	92	69	76	47	14	15	30.03	30.14				
15	BKN	075			10.00	93	70	77	47	10	21	29.64	29.74	15	SCT	055			10.00	95	66	75	39	14	13	29.98	30.09				
18	FEW	050			10.00	91	70	76	50	13	18	29.61	29.72	18	SCT	250			10.00	89	65	73	45	17	12	30.00	30.11				
21	BKN	200			10.00	83	72	75	70	13	18	29.65	29.76	21	CLR	NC			10.00	81	71	74	72	10	14	30.03	30.15				
24	BKN	110			10.00	81	72	75	74	0	00	29.74	29.85	24	FEW	020			10.00	79	73	75	82	5	19	30.06	30.17				
SUNRISE: 0523						MAY 26						SUNSET: 1914																			
03	SCT	250			10.00	75	72	73	90	0	00	29.75	29.86	03	SCT	250			10.00	75	66	69	74	8	34	29.78	29.89				
06	FEW	250			10.00	75	66	69	74	8	34	29.78	29.89	06	CLR	NC			10.00	84	57	67	40	9	01	29.82	29.92				
09	CLR	NC			10.00	84	57	67	40	9	01	29.82	29.92	09	CLR	NC			10.00	91	54	68	29	0	00	29.82	29.92				
12	CLR	NC			10.00	91	54	68	29	0	00	29.82	29.92	12	CLR	NC			10.00	95	51	68	22	8	31	29.75	29.85				
15	CLR	NC			10.00	95	51	68	22	8	31	29.75	29.85	15	CLR	NC			10.00	95	48	67	20	6	36	29.71	29.81				
18	CLR	NC			10.00	95	48	67	20	6	36	29.71	29.81	18	CLR	NC			10.00	80	54	64	41	6	11	29.76	29.87				
21	CLR	NC			10.00	80	54	64	41	6	11	29.76	29.87	21	CLR	NC			10.00	73	57	63	57	0	00	29.77	29.87				
24	CLR	NC			10.00	73	57	63	57	0	00	29.77	29.87	SUNRISE: 0523						MAY 27						SUNSET: 1915					
03	FEW	012			10.00	72	68	69	87	0	00	29.74	29.85	03	FEW	012			10.00	72	68	69	87	0	00	29.74	29.85				
06	BKN	250			4.00	71	69	70	93	6	12	29.75	29.85	06	BKN	250			4.00	71	69	70	93	6	12	29.75	29.85				
09	BKN	250			8.00	82	73	76	74	10	18	29.76	29.87	09	BKN	250			8.00	82	73	76	74	10	18	29.76	29.87				
12	SCT	043			10.00	92	69	76	47	10	19	29.74	29.84	12	SCT	043			10.00	92	69	76	47	10	19	29.74	29.84				
15	FEW	055			10.00	96	66	75	37	17	18	29.66	29.76	15	FEW	055			10.00	96	66	75	37	17	18	29.66	29.76				
18	FEW	250			10.00	93	62	72	36	16	17	29.62	29.72	18	FEW	250			10.00	93	62	72	36	16	17	29.62	29.72				
21	SCT	250			10.00	81	71	74	72	11	17	29.66	29.77	21	SCT	250			10.00	81	71	74	72	11	17	29.66	29.77				
24	BKN	250			10.00	80	72	75	77	9	18	29.66	29.77	24	BKN	250			10.00	80	72	75	77	9	18	29.66	29.77				
SUNRISE: 0522						MAY 28						SUNSET: 1915																			
03	BKN	250			10.00	78	73	75	85	10	17	29.64	29.75	03	BKN	250			10.00	78	73	75	85	10	17	29.64	29.75				
06	SCT	250			10.00	78	72	74	82	11	17	29.67	29.77	06	SCT	250			10.00	78	72	74	82	11	17	29.67	29.77				
09	SCT	250			10.00	86	70	75	59	11	17	29.69	29.79	09	SCT	250			10.00	86	70	75	59	11	17	29.69	29.79				
12	CLR	NC			10.00	93	67	75	43	11	15	29.67	29.77	12	CLR	NC			10.00	93	67	75	43	11	15	29.67	29.77				
15	FEW	050			10.00	94	69	77	44	20	16	29.64	29.74	15	FEW	050			10.00	94	69	77	44	20	16	29.64	29.74				
18	FEW	250			10.00	87	70	75	57	20	16	29.62	29.72	18	FEW	250			10.00	87	70	75	57	20	16	29.62	29.72				
21	CLR	NC			10.00	80	71	74	74	11	17	29.67	29.78	21	CLR	NC			10.00	80	71	74	74	11	17	29.67	29.78				
24	SCT	019			10.00	78	72	74	82	13	16	29.69	29.80	24	SCT	019			10.00	78	72	74	82	13	16	29.69	29.80				
SUNRISE: 0522						MAY 29						SUNSET: 1916																			
03	SCT	020			10.00	78	71	73	79	10	16	29.67	29.77	03	SCT	020			10.00	78	71	73	79	10	16	29.67	29.77				
06	SCT	250			10.00	78	71	73	79	10	15	29.71	29.81	06	SCT	250			10.00	78	71	73	79	10	15	29.71	29.81				
09	BKN	250			10.00	85	69	74	59	21	16	29.75	29.86	09	BKN	250			10.00	85	69	74	59	21	16	29.75	29.86				
12	BKN	250			10.00	91	68	75	47	21	16	29.76	29.87	12	BKN	250			10.00	91	68	75	47	21	16	29.76	29.87				
15	SCT	250			10.00	90	72	77	56	22	15	29.73	29.84	15	SCT	250			10.00	90	72	77	56	22	15	29.73	29.84				
18	SCT	250			10.00	86	70	75	59	18	13	29.73	29.83	18	SCT	250			10.00	86	70	75	59	18	13	29.73	29.83				
21	FEW	020			10.00	80	72	75	77	16	14	29.78	29.88	21	FEW	020			10.00	80	72	75	77	16	14	29.78	29.88				
24	SCT	026			10.00	80	71	74	74	16	15	29.80	29.91	24	SCT	026			10.00	80	71	74	74	16	15	29.80	29.91				
SUNRISE: 0522						MAY 30						SUNSET: 1916																			
03	FEW	023			10.00	80	72	75	77	14	15	29.79	29.90	03	FEW	023			10.00	80	72	75	77	14	15	29.79	29.90				
06	BKN	250			10.00	79	72	74	79	17	15	29.82	29.92	06	BKN	250			10.00	79	72	74	79	17	15	29.82	29.92				
09	SCT	250			10.00	87	69	75	55	26	14	29.86	29.96	09	SCT	250			10.00	87	69	75	55	26	14	29.86	29.96				
12	BKN	048			10.00	91	68	75	47	20	15	29.86	29.97	12	BKN	048			10.00	91	68	75	47	20	15	29.86	29.97				
15	SCT	055			10.00	91	70	76	50	21	16	29.84	29.94	15	SCT	055			10.00	91	70	76	50	21	16	29.84	29.94				
18	SCT	032			10.00	85	72	76	65	21	12	29.85	29.96	18	SCT	032			10.00	85	72	76	65	21	12	29.85	29.96				
21	SCT	028			10.00	81	73	75	77	17	14	29.90	30.00	21	SCT	028			10.00	81	73	75	77	17	14	29.90	30.00				
24	SCT	032			10.00	81	72	75	74	14	15	29.92	30.03	24	SCT	032			10.00	81	72	75	74	14	15	29.92	30.03				

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: 0521						MAY 31						SUNSET: 1917															
03	BKN	032			10.00	79	73	75	82	10	15	29.91	30.02	03	BKN	032			10.00	79	73	75	82	10	15	29.91	30.02
06	SCT	250			10.00	76	73	74	90	7	13	29.97	30.07	06	SCT	250			10.00	76	73	74	90	7	13	29.97	30.07
09	BKN	250			10.00	86	70	75	59	14	14	30.02	30.13	09	BKN	250			10.00	86	70	75	59	14	14	30.02	30.13
12	SCT	250			10.00	92	69	76	47	14	15	30.03	30.14	12	SCT	250			10.00	92	69	76	47	14	15	30.03	30.14
15	SCT	055			10.00	95	66	75	39	14	13	29.98	30.09	15	SCT	055			10.00	95	66	75	39	14	13	29.98	3

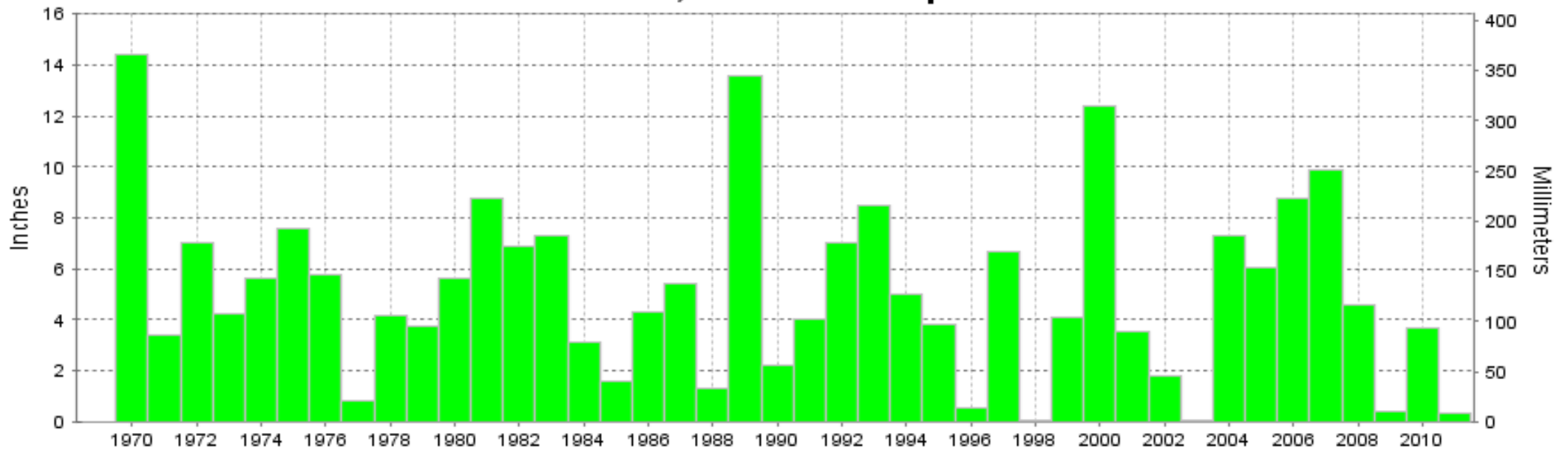
HOUSTON, TX MAY Temperatures



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

Long-Term (1970-2011) Mean: 76.1
1971-2000 Normal: 75.8

HOUSTON, TX MAY Precipitation



Long-Term (1970-2011) Mean Monthly Total: 5.01

1971-2000 Normal: 5.15



MAY 2011
HOUSTON, TX

LOCAL CLIMATOLOGICAL DATA NOAA, National Climatic Data Center

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