JUNE 2012
LOCAL CLIMATOLOGICAL DATA
NOAA, National Climatic Data Center

HOUSTON, TX
G BUSH INTERCONTINENTAL AP/HOUSTON AP (KIAH)
Lat:29° 58'N Long: 95° 21'W Elev (Ground) 95 Feet
Time Zone : CENTRAL WBAN: 12960 ISSN#: 0198-5094

Date	Temperature °F MAXIMUM	MINIMUM	AVERAGE	DEP FROM NORMAL	AVERAGE DEW PT	AVERAGE WET BULB	Deg Days BASE 65° HEATING	COOLING	WEATHER	SNOW/ICE ON GND(IN) 0600 LST DEPTH	1200 LST WATER-EQUIV	PRECIPITATION ON GND(IN) 2400 LST SNOW-FALL	2400 LST WATER EQUIV	PRESSURE (INCHES OF HG) AVERAGE STATION	AVERAGE SEA LEVEL	WIND SPEED = MPH DIR = TENS OF DEGREES RESULTANT SPEED	RES DIR	AVERAGE SPEED	MAXIMUM 3-SEC SPEED	3-SEC DIR	MAXIMUM 2-MIN SPEED	2-MIN DIR	Date
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	93	71	82	3	55	66	0	17		0		0.0	0.00	29.82	29.92	2.7	07	5.0	16	07	13	01	01
02	94	68*	81	1	68	73	0	16		0		0.0	0.00	29.81	29.92	6.4	18	6.7	23	17	15	17	02
03	95	72	84	4	70	74	0	19	HZ	0		0.0	0.00	29.80	29.92	9.0	17	9.2	29	16	22	16	03
04	95	77	86	6	71	75	0	21		0		0.0	0.00	29.73	29.85	6.2	17	7.3	23	13	20	14	04
05	96	74	85	5	70	75	0	20		0		0.0	0.00	29.65	29.78	2.2	16	4.2	22	12	13	17	05
06	97	76	87	7	69	74	0	22	RA	0		0.0	T	29.70	29.80	3.8	13	6.1	41	10	31	10	06
07	94	72	83	3	68	72	0	18	TS TSRA RA	0		0.0	0.05	29.77	29.87	3.1	03	5.3	33	36	30	01	07
08	92	72	82	2	69	72	0	17	TS TSRA RA	0		0.0	0.48	29.75	29.87	3.4	05	7.3	33	10	26	10	08
09	92	71	82	2	69	73	0	17		0		0.0	0.00	29.67	29.80	3.6	10	5.9	20	11	14	14	09
10	95	73	84	3	71	75	0	19		0		0.0	0.00	29.70	29.80	5.6	17	6.2	22	14	17	16	10
11	97	80	89	8	74	78	0	24		0		0.0	0.00	29.82	29.92	9.1	18	9.1	23	16	17	16	11
12	95	69	82	1	72	75	0	17	TS TSRA GR RA FG+	0		T	3.05	29.90	30.00	2.8	17	9.2	54*	33	41*	02	12
13	91	70	81	0	72	75	0	16	FG+ BR	0		0.0	0.00	29.83	29.95	3.5	15	6.0	21	15	16	15	13
14	94	75	85	4	71	75	0	20	TS	0		0.0	0.00	29.80	29.92	7.5	17	7.8	23	16	18	17	14
15	94	74	84	3	71	75	0	19		0		0.0	0.00	29.85	29.95	6.6	17	6.8	20	15	17	14	15
16	86	74	80	-1	72	74	0	15	TS	0		0.0	0.00	29.90	30.01	5.1	10	6.8	24	13	21	14	16
17	91	72	82	0	67	72	0	17		0		0.0	0.00	29.83	29.95	5.0	10	6.4	20	12	15	10	17
18	86	73	80	-2	72	74	0	15		0		0.0	0.00	29.73	29.85	7.6	13	8.6	26	13	21	12	18
19	84	73	79	-3	72	74	0	14	TS TSRA RA BR	0		0.0	0.28	29.81	29.91	6.3	13	7.0	31	18	22	18	19
20	87	72	80	-2	71	74	0	15	RA	0		0.0	0.02	29.83	29.94	9.0	13	9.2	25	13	22	14	20
21	91	72	82	0	69	73	0	17		0		0.0	0.00	29.83	29.95	4.5	08	5.8	20	11	15	11	21
22	94	74	84	2	68	73	0	19		0		0.0	0.00	29.76	29.89	3.9	03	5.9	20	02	15	01	22
23	96	73	85	3	69	74	0	20		0		0.0	0.00	29.75	29.86	3.3	08	4.9	25	05	13	11	23
24	99	77	88	6	70	75	0	23		0		0.0	0.00	29.77	29.88	5.0	36	5.5	22	02	15	35	24
25	102	77	90	8	69	75	0	25		0		0.0	0.00	29.69	29.81	4.7	35	5.5	22	04	17	36	25
26	105*	79	92*	10	70	77	0	27	RA	0		0.0	T	29.64	29.75	1.5	01	3.5	18	04	13	35	26
27	101	78	90	7	69	75	0	25		0		0.0	0.00	29.78	29.87	4.9	13	6.0	21	15	17	14	27
28	96	76	86	3	74	77	0	21	RA BR	0		0.0	T	29.90	30.00	4.1	17	4.7	25	16	20	17	28
29	92	75	84	1	73	76	0	19	RA BR	0		0.0	T	29.83	29.96	4.2	14	5.3	22	14	17	15	29
30	84	72	78*	-5	73	75	0	13	TS TSRA RA FG BR	0		0.0	1.09	29.78	29.90	3.6	11	5.3	29	14	22	15	30
	93.6	73.7	83.7	¤	69.9	74.2	0.0	18.9	< MONTHLY AVERAGES | TOTALS >			T	4.97	29.78	29.89	3.2	13	6.4	< MONTHLY AVERAGES				
	2.2	0.4	1.3		<---------- DEPARTURE FROM NORMAL ---------->								-0.96	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									

JUNE 2012
HOUSTON, TX

DEGREE DAYS

	MONTHLY TOTAL	MONTHLY DEPARTURE	SEASON TO DATE TOTAL	SEASON TO DATE DEPARTURE
HEATING :	0	0	965	-402
COOLING :	567	47	1526	354

GREATEST 24-HR PRECIPITATION :	3.05	DATE :	12	
GREATEST 24-HR SNOWFALL :	T	DATE :	12	
GREATEST SNOW DEPTH :	0	DATE :		

SEA LEVEL PRESSURE		DATE	TIME
MAXIMUM :	30.11	12	1953
MIMIMUM :	29.70	26	1807

NUMBER OF -> DAYS WITH

MAXIMUM TEMP >= 90 :	25	MINIMUM TEMP <= 32 :	0
MAXIMUM TEMP <= 32 :	0	MINIMUM TEMP <= 0 :	0
THUNDERSTORMS :	7	HEAVY FOG :	2

PRECIPITATION >= 0.01 INCH:	6
PRECIPITATION >= 0.10 INCH:	4
SNOWFALL >= 1.0 INCH :	0

HOURLY PRECIPITATION
(WATER EQUIVALENT IN INCHES)

HOUSTON, TX (KIAH)
JUNE 2012 **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													03	0.00	0.00
04													04													04	0.00	0.00
05													05													05	0.00	0.00
06													06							T						06	T	T
07													07				0.04	T	T					T	0.01	07	0.05	0.05
08	0.19	0.07	T										08			0.09	0.13	T								08	0.48	0.48
09													09													09	0.00	0.00
10													10													10	0.00	0.00
11													11													11	0.00	0.00
12													12				0.07	2.97	0.01	T	T	T				12	3.05	3.05
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								0.02			0.02		19				0.23	T	T				0.01			19	0.28	0.28
20											T	0.02	20													20	0.02	0.02
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													25	0.00	0.00
26													26							T						26	T	T
27													27													27	0.00	0.00
28													28	T	T											28	T	T
29													29				T									29	T	T
30									T	0.04	T	T	30	0.78	0.01	0.02								0.24		30	1.09	1.09

*** 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)	1.05	1.57	2.00	2.21	2.75	3.03	3.04	3.04	3.04	3.05	3.05	3.05
Ending Date	12	12	12	12	12	12	12	12	12	12	12	12
Ending Time (Hr/Min)	1625	1626	1628	1626	1628	1641	1643	1643	1643	1755	1755	1755

Date and time are not entered for TRACE amounts.

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.

REFERENCE NOTES & SUPPLEMENTAL SUMMARIES

*** = Extreme for the month (last occurence 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 1981-2010

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
JUNE 2012

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
			SR-SS		MN-MN				
	TOTAL MINUTES	PERCENT POSSIBLE	Sky Cover	Satellite	Sky Cover	Satellite	MINIMUM	MAXIMUM	
01							10.00	10.00	
02							8.00	10.00	
03							9.00	10.00	
04							8.00	10.00	
05							8.00	10.00	
06							7.00	10.00	
07							9.00	10.00	
08							2.00	10.00	
09							8.00	10.00	
10							10.00	10.00	
11							10.00	10.00	
12							8.00	10.00	
13							0.00	10.00	
14							10.00	10.00	
15							10.00	10.00	
16							10.00	10.00	
17							9.00	10.00	
18							9.00	10.00	
19							10.00	10.00	
20							10.00	10.00	
21							10.00	10.00	
22							10.00	10.00	
23							9.00	10.00	
24							10.00	10.00	
25							9.00	10.00	
26							8.00	10.00	
27							10.00	10.00	
28							5.00	10.00	
29							6.00	10.00	
30							7.00	10.00	
MONTHLY AVGS							8.30	10.00	

SUNSHINE (Minutes)

Total : 0 **Possible : 25261**
Percent Possible : 0

NUMBER OF DAYS WITH :

SKY CONDITION

Clear	Partly CLDY	Cloudy	Missing

MINIMUM VISIBILTY (MILES)

<= .25	<= 3.0	>= 7.0
1	2	26

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX

JUNE 2012 **KIAH** **WBAN # 12960**

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE Observation Time (LST)	SATELLITE Eff Cld Amt Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F DRY BULB	TEMPERATURE °F DEW POINT	TEMPERATURE °F WET BULB	RELATIVE HUMIDITY (PCT)	WIND SPEED (MPH)	WIND DIRECTION Tens of Deg	PRESSURE (INCHES, HG) STATION	PRESSURE (INCHES, HG) SEA LEVEL
						SUNRISE: 0521 JUN 01 SUNSET: 1917								
03	CLR	NC			10.00		73	65	68	76	0	00	29.77	29.88
06	FEW	250			10.00		71	59	64	66	8	02	29.83	29.93
09	FEW	250			10.00		80	53	64	39	7	06	29.88	29.98
12	FEW	250			10.00		90	52	67	27	7	09	29.86	29.96
15	FEW	250			10.00		92	44	64	19	0	00	29.79	29.89
18	CLR	NC			10.00		90	50	66	25	6	VR	29.74	29.85
21	CLR	NC			10.00		79	57	66	47	7	11	29.78	29.88
24	CLR	NC			10.00		76	63	68	64	0	00	29.86	29.96
						SUNRISE: 0521 JUN 02 SUNSET: 1918								
03	CLR	NC			8.00		74	68	70	82	6	18	29.79	29.90
06	BKN	250			8.00		70	67	68	90	0	00	29.84	29.95
09	BKN	250			10.00		85	72	76	65	7	18	29.87	29.97
12	BKN	250			10.00		90	68	75	48	11	16	29.84	29.95
15	SCT	250			10.00		93	65	74	40	8	23	29.78	29.89
18	BKN	250			10.00		91	65	74	42	9	16	29.75	29.86
21	SCT	250			10.00		81	70	74	69	10	17	29.80	29.91
24	SCT	250			10.00		78	70	73	77	6	18	29.83	29.93
						SUNRISE: 0521 JUN 03 SUNSET: 1918								
03	SCT	250			9.00		76	70	72	82	5	16	29.81	29.92
06	SCT	250			10.00		73	70	71	90	0	00	29.83	29.94
09	BKN	250			10.00		85	72	76	65	9	19	29.86	29.96
12	SCT	250			10.00		92	71	77	50	14	16	29.83	29.93
15	BKN	250			10.00		93	66	75	41	16	16	29.79	29.89
18	BKN	250			10.00		88	69	75	53	11	16	29.76	29.87
21	BKN	250			10.00		82	72	75	72	10	16	29.78	29.88
24	BKN	250			10.00		80	72	75	77	9	18	29.83	29.93
						SUNRISE: 0520 JUN 04 SUNSET: 1919								
03	SCT	250			10.00		78	73	75	85	0	00	29.79	29.90
06	SCT	250			10.00		77	72	74	85	3	17	29.78	29.88
09	BKN	250			10.00		85	71	75	63	10	20	29.80	29.90
12	BKN	250			10.00		90	67	74	47	8	23	29.78	29.88
15	BKN	250			10.00		94	66	75	40	10	15	29.73	29.83
18	BKN	250			10.00		88	72	77	59	14	17	29.68	29.79
21	SCT	250			10.00		83	73	76	72	7	18	29.70	29.81
24	BKN	250			10.00		79	74	76	85	3	19	29.71	29.81
						SUNRISE: 0520 JUN 05 SUNSET: 1919								
03	SCT	250			10.00		75	72	73	90	0	00	29.72	29.82
06	SCT	250			8.00		77	74	75	91	0	00	29.73	29.83
09	SCT	060			10.00		84	73	76	70	0	00	29.73	29.83
12	SCT	250			10.00		92	68	75	45	0	00	29.67	29.77
15	BKN	250			10.00		96	67	76	39	3	VR	29.62	29.72
18	BKN	250			10.00		93	68	76	44	8	18	29.59	29.70
21	SCT	250			10.00		85	70	75	61	6	18	29.65	29.76
24	SCT	250			10.00		81	72	75	74	5	19	29.67	29.77
						SUNRISE: 0520 JUN 06 SUNSET: 1920								
03	FEW	250			10.00		79	74	76	85	3	26	29.66	29.77
06	BKN	250			10.00		79	74	76	85	0	00	29.67	29.78
09	SCT	250			10.00		86	73	77	65	3	VR	29.71	29.81
12	SCT	200			10.00		92	69	76	47	0	00	29.71	29.81
15	SCT	250			10.00		96	63	74	34	9	13	29.66	29.76
18	SCT	250			10.00		91	68	75	47	14	13	29.66	29.76
21	BKN	250			10.00		80	66	71	62	10	14	29.73	29.83
24	SCT	250			10.00		76	66	70	71	11	07	29.77	29.88

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE Observation Time (LST)	SATELLITE Eff Cld Amt Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F DRY BULB	TEMPERATURE °F DEW POINT	TEMPERATURE °F WET BULB	RELATIVE HUMIDITY (PCT)	WIND SPEED (MPH)	WIND DIRECTION Tens of Deg	PRESSURE (INCHES, HG) STATION	PRESSURE (INCHES, HG) SEA LEVEL
						SUNRISE: 0520 JUN 07 SUNSET: 1920								
03	BKN	250			10.00		75	67	70	76	8	03	29.74	29.85
06	SCT	250			10.00		73	67	69	82	7	02	29.78	29.88
09	SCT	250			10.00		80	65	70	60	7	11	29.81	29.92
12	BKN	250			10.00		90	67	74	47	0	00	29.79	29.89
15	BKN	250			10.00		91	67	75	45	5	VR	29.74	29.84
18	BKN	090			10.00		76	68	71	76	6	35	29.73	29.84
21	BKN	250			10.00		76	69	71	79	5	VR	29.79	29.89
24	OVC	043			9.00	-RA	75	69	71	82	0	00	29.81	29.92
						SUNRISE: 0520 JUN 08 SUNSET: 1921								
03	BKN	250			9.00		73	70	71	90	7	30	29.77	29.88
06	SCT	120			10.00		73	70	71	90	8	03	29.80	29.91
09	BKN	250			10.00		82	70	74	67	10	05	29.81	29.92
12	BKN	250			10.00		88	68	74	52	8	02	29.78	29.89
15	OVC	095			2.00	TSRA	75	70	72	85	26	08	29.73	29.84
18	BKN	250			10.00		80	71	74	74	7	28	29.71	29.82
21	BKN	250			10.00		73	69	70	87	0	00	29.74	29.85
24	OVC	250			10.00		72	68	69	87	9	14	29.74	29.85
						SUNRISE: 0520 JUN 09 SUNSET: 1921								
03	OVC	250			10.00		72	68	69	87	3	31	29.71	29.81
06	SCT	250			10.00		72	68	69	87	5	01	29.73	29.84
09	SCT	250			10.00		80	70	73	72	7	06	29.76	29.87
12	SCT	250			10.00		88	70	76	55	3	10	29.70	29.80
15	SCT	048			10.00		91	68	75	47	5	VR	29.65	29.75
18	SCT	250			10.00		90	66	74	45	8	10	29.62	29.72
21	SCT	250			10.00		82	72	75	72	13	14	29.65	29.75
24	SCT	250			10.00		79	72	74	79	3	20	29.67	29.78
						SUNRISE: 0520 JUN 10 SUNSET: 1922								
03	FEW	250			10.00		75	71	72	87	6	16	29.65	29.76
06	SCT	250			10.00		74	71	72	90	0	00	29.68	29.78
09	SCT	028			10.00		83	71	75	67	7	18	29.72	29.83
12	SCT	250			10.00		90	68	75	48	6	20	29.71	29.82
15	SCT	250			10.00		94	67	75	41	10	15	29.69	29.79
18	SCT	250			10.00		91	72	78	54	11	17	29.68	29.78
21	FEW	250			10.00		84	74	77	72	9	17	29.72	29.82
24	BKN	016			10.00		82	75	77	79	8	17	29.75	29.85
						SUNRISE: 0520 JUN 11 SUNSET: 1922								
03	BKN	250			10.00		81	75	77	82	6	16	29.75	29.85
06	SCT	250			10.00		81	76	77	85	6	16	29.80	29.91
09	BKN	025			10.00		87	75	78	68	14	20	29.83	29.94
12	SCT	050			10.00		94	73	79	51	11	21	29.84	29.95
15	SCT	055			10.00		95	72	79	47	13	18	29.81	29.91
18	SCT	046			10.00		91	72	78	54	10	18	29.80	29.91
21	FEW	033			10.00		85	76	79	75	14	17	29.84	29.95
24	SCT	020			10.00		82	76	78	82	5	18	29.87	29.97
						SUNRISE: 0520 JUN 12 SUNSET: 1922								
03	OVC	022			10.00		82	77	78	85	0	00	29.89	30.00
06	BKN	250			8.00		81	77	78	88	6	18	29.90	30.01
09	BKN	250			10.00		86	74	78	68	11	17	29.93	30.03
12	BKN	250			10.00		92	69	76	47	8	23	29.93	30.03
15	OVC	250			10.00		90	72	77	56	18	12	29.87	29.98
18	OVC	110			10.00	-RA	74	73	73	97	3	33	29.90	30.01
21	BKN	250			10.00		71	66	68	84	9	15	29.87	29.98
24	BKN	250			10.00		71	67	68	87	7	36	29.90	30.00

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX

JUNE 2012 KIAH WBAN # 12960

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE Observation Time (LST)	SATELLITE Eff Cld Amt Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F DRY BULB	TEMPERATURE °F DEW POINT	TEMPERATURE °F WET BULB	RELATIVE HUMIDITY (PCT)	WIND SPEED (MPH)	WIND DIRECTION Tens of Deg	PRESSURE (INCHES, HG) STATION	PRESSURE (INCHES, HG) SEA LEVEL
						SUNRISE: 0520 JUN 13 SUNSET: 1923								
03	BKN	030			10.00		71	68	69	90	3	06	29.86	29.96
06	VV	002			0.00	FG	73	70	71	90	7	03	29.91	30.01
09	BKN	250			7.00		77	73	74	88	0	00	29.91	30.02
12	BKN	250			10.00		87	71	76	59	3	01	29.86	29.97
15	SCT	250			10.00		91	70	76	50	9	19	29.80	29.90
18	SCT	250			10.00		88	71	76	57	10	17	29.77	29.88
21	FEW	035			10.00		83	73	76	72	9	17	29.81	29.91
24	FEW	025			10.00		80	74	76	82	7	16	29.83	29.93
						SUNRISE: 0520 JUN 14 SUNSET: 1923								
03	FEW	025			10.00		79	74	76	85	5	17	29.81	29.91
06	BKN	250			10.00		78	73	75	85	7	21	29.81	29.91
09	SCT	250			10.00		85	71	75	63	0	00	29.86	29.96
12	SCT	250			10.00		90	67	74	47	8	17	29.85	29.96
15	BKN	250			10.00		91	68	75	47	10	19	29.80	29.90
18	SCT	250			10.00		88	72	77	59	14	17	29.79	29.89
21	CLR	NC			10.00		83	71	75	67	10	17	29.81	29.92
24	FEW	021			10.00		80	74	76	82	8	16	29.81	29.91
						SUNRISE: 0520 JUN 15 SUNSET: 1924								
03	FEW	019			10.00		79	74	76	85	6	18	29.82	29.93
06	SCT	250			10.00		77	73	74	88	0	00	29.85	29.96
09	BKN	250			10.00		85	72	76	65	10	17	29.88	29.99
12	BKN	250			10.00		90	71	77	54	9	20	29.87	29.98
15	BKN	250			10.00		93	68	76	44	8	17	29.82	29.93
18	SCT	250			10.00		90	68	75	48	9	18	29.81	29.91
21	SCT	250			10.00		83	71	75	67	7	16	29.86	29.96
24	SCT	250			10.00		80	72	75	77	6	17	29.88	29.98
						SUNRISE: 0520 JUN 16 SUNSET: 1924								
03	SCT	250			10.00		76	72	73	87	0	00	29.88	29.98
06	BKN	250			10.00		76	72	73	87	5	02	29.92	30.02
09	BKN	250			10.00		84	74	77	72	6	07	29.94	30.05
12	BKN	250			10.00		82	73	76	74	8	07	29.94	30.05
15	BKN	250			10.00		84	72	76	67	10	13	29.90	30.01
18	BKN	250			10.00		83	70	74	65	10	12	29.86	29.96
21	BKN	250			10.00		77	72	74	85	8	11	29.90	30.01
24	SCT	250			10.00		74	72	73	94	5	06	29.91	30.02
						SUNRISE: 0520 JUN 17 SUNSET: 1924								
03	SCT	250			10.00		73	71	72	93	0	00	29.88	29.99
06	FEW	250			9.00		74	71	72	90	3	01	29.90	30.01
09	FEW	030			10.00		84	68	73	59	10	11	29.93	30.04
12	FEW	050			10.00		89	66	74	47	9	09	29.89	30.00
15	SCT	055			10.00		90	64	73	42	13	08	29.81	29.91
18	SCT	250			10.00		87	63	71	45	11	11	29.77	29.87
21	SCT	250			10.00		80	65	70	60	7	13	29.76	29.87
24	SCT	250			10.00		75	70	72	85	3	17	29.76	29.86
						SUNRISE: 0520 JUN 18 SUNSET: 1925								
03	SCT	250			10.00		75	71	72	87	0	00	29.71	29.81
06	BKN	250			10.00		74	71	72	90	6	04	29.73	29.83
09	BKN	250			10.00		81	72	75	74	6	06	29.77	29.88
12	BKN	200			10.00		85	70	75	61	10	15	29.74	29.84
15	BKN	250			10.00		84	73	76	70	14	11	29.73	29.84
18	BKN	250			10.00		84	71	75	65	20	13	29.72	29.83
21	SCT	250			10.00		79	72	74	79	11	15	29.74	29.85
24	SCT	250			9.00		78	71	73	79	6	14	29.76	29.87

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE Observation Time (LST)	SATELLITE Eff Cld Amt Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F DRY BULB	TEMPERATURE °F DEW POINT	TEMPERATURE °F WET BULB	RELATIVE HUMIDITY (PCT)	WIND SPEED (MPH)	WIND DIRECTION Tens of Deg	PRESSURE (INCHES, HG) STATION	PRESSURE (INCHES, HG) SEA LEVEL
						SUNRISE: 0521 JUN 19 SUNSET: 1925								
03	FEW	030			10.00		77	72	74	85	7	13	29.75	29.85
06	SCT	250			10.00		76	69	71	79	3	17	29.78	29.88
09	BKN	250			10.00		81	73	75	77	7	16	29.81	29.92
12	BKN	070			10.00		77	72	74	85	10	13	29.83	29.94
15	OVC	100			10.00		82	74	76	77	7	10	29.83	29.94
18	OVC	250			10.00		75	73	74	94	6	11	29.82	29.93
21	BKN	250			10.00		75	72	73	90	10	12	29.83	29.93
24	BKN	250			10.00		74	73	73	97	0	00	29.84	29.95
						SUNRISE: 0521 JUN 20 SUNSET: 1925								
03	BKN	250			10.00		72	71	71	97	5	10	29.81	29.92
06	SCT	250			10.00		73	71	72	93	3	09	29.82	29.93
09	SCT	250			10.00		80	75	77	85	9	12	29.86	29.96
12	BKN	100			10.00		86	74	78	68	15	13	29.85	29.96
15	BKN	250			10.00		86	71	76	61	16	13	29.83	29.93
18	BKN	250			10.00		83	71	75	67	11	13	29.84	29.95
21	FEW	250			10.00		77	68	71	74	8	13	29.84	29.95
24	FEW	250			10.00		73	69	70	87	5	12	29.86	29.96
						SUNRISE: 0521 JUN 21 SUNSET: 1925								
03	SCT	250			10.00		73	70	71	90	0	00	29.85	29.96
06	BKN	250			10.00		74	70	71	87	3	02	29.86	29.97
09	SCT	150			10.00		83	73	76	72	10	07	29.90	30.01
12	BKN	250			10.00		89	70	76	54	9	05	29.89	29.99
15	SCT	250			10.00		91	66	74	44	7	09	29.83	29.94
18	BKN	250			10.00		87	66	73	50	9	12	29.80	29.90
21	FEW	250			10.00		78	68	71	71	5	16	29.82	29.92
24	SCT	250			10.00		75	71	72	87	0	00	29.83	29.94
						SUNRISE: 0521 JUN 22 SUNSET: 1926								
03	BKN	250			10.00		76	69	71	79	0	00	29.81	29.91
06	SCT	250			10.00		75	70	72	85	3	33	29.81	29.92
09	FEW	250			10.00		86	69	74	57	8	02	29.82	29.93
12	SCT	055			10.00		91	66	74	44	10	04	29.80	29.91
15	BKN	100			10.00		93	67	75	43	7	01	29.75	29.86
18	SCT	100			10.00		90	67	74	47	9	07	29.71	29.81
21	SCT	065			10.00		83	68	73	61	6	16	29.74	29.84
24	CLR	NC			10.00		75	69	71	82	0	00	29.75	29.85
						SUNRISE: 0521 JUN 23 SUNSET: 1926								
03	CLR	NC			10.00		75	69	71	82	0	00	29.73	29.83
06	FEW	130			9.00		75	69	71	82	0	00	29.76	29.87
09	CLR	NC			10.00		87	69	75	55	6	02	29.79	29.89
12	FEW	060			10.00		93	67	75	43	8	06	29.78	29.88
15	SCT	065			10.00		95	67	76	40	9	09	29.74	29.84
18	SCT	250			10.00		92	68	75	45	11	12	29.73	29.83
21	SCT	250			10.00		84	71	75	65	3	17	29.77	29.88
24	FEW	250			10.00		79	72	74	79	0	00	29.78	29.88
						SUNRISE: 0522 JUN 24 SUNSET: 1926								
03	CLR	NC			10.00		77	72	74	85	0	00	29.77	29.88
06	CLR	NC			10.00		79	71	74	77	0	00	29.81	29.91
09	CLR	NC			10.00		89	72	77	57	7	34	29.83	29.93
12	FEW	055			10.00		96	69	77	42	9	04	29.80	29.91
15	FEW	080			10.00		99	65	76	33	9	35	29.75	29.86
18	FEW	080			10.00		96	65	75	36	10	01	29.73	29.84
21	FEW	050			10.00		84	70	74	63	3	34	29.74	29.85
24	CLR	NC			10.00		82	71	74	69	3	34	29.75	29.85

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX

JUNE 2012 **KIAH** **WBAN # 12960**

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE Observation Time (LST)	SATELLITE Eff Cld Amt Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F DRY BULB	TEMPERATURE °F DEW POINT	TEMPERATURE °F WET BULB	RELATIVE HUMIDITY (PCT)	WIND SPEED (MPH)	WIND DIRECTION Tens of Deg	PRESSURE (INCHES, HG) STATION	PRESSURE (INCHES, HG) SEA LEVEL
SUNRISE: 0522					**JUN 25**				**SUNSET: 1926**					
03	CLR	NC			10.00		80	70	73	72	3	28	29.73	29.83
06	CLR	NC			9.00		80	71	74	74	3	31	29.76	29.86
09	FEW	250			10.00		90	70	76	52	6	33	29.78	29.88
12	FEW	250			10.00		98	66	76	35	11	35	29.73	29.84
15	BKN	250			10.00		101	66	77	32	11	35	29.67	29.77
18	BKN	250			10.00		99	65	76	33	7	35	29.64	29.75
21	SCT	250			10.00		92	69	76	47	3	31	29.66	29.76
24	SCT	250			10.00		83	72	75	70	0	00	29.65	29.76
SUNRISE: 0522					**JUN 26**				**SUNSET: 1926**					
03	FEW	250			10.00		80	72	75	77	0	00	29.63	29.73
06	SCT	250			8.00		83	72	75	70	0	00	29.65	29.76
09	SCT	250			10.00		94	73	79	51	5	VR	29.68	29.78
12	SCT	250			10.00		102	65	76	30	5	05	29.66	29.76
15	BKN	250			10.00		102	65	76	30	7	34	29.61	29.72
18	BKN	250			10.00		100	69	78	37	7	10	29.60	29.70
21	BKN	250			10.00		88	73	77	61	3	20	29.63	29.74
24	BKN	250			10.00		82	73	76	74	0	00	29.67	29.78
SUNRISE: 0523					**JUN 27**				**SUNSET: 1926**					
03	SCT	250			10.00		80	73	75	79	0	00	29.68	29.78
06	SCT	250			10.00		79	73	75	82	10	08	29.73	29.84
09	FEW	050			10.00		88	66	73	48	8	12	29.79	29.90
12	SCT	085			10.00		97	70	78	42	3	VR	29.79	29.90
15	SCT	085			10.00		99	66	76	34	9	13	29.77	29.87
18	FEW	080			10.00		95	65	75	37	11	16	29.77	29.87
21	FEW	070			10.00		87	68	74	53	6	16	29.81	29.92
24	CLR	NC			10.00		81	71	74	72	0	00	29.84	29.95
SUNRISE: 0523					**JUN 28**				**SUNSET: 1926**					
03	CLR	NC			8.00		78	75	76	91	0	00	29.85	29.95
06	FEW	011			5.00	BR	77	76	76	97	0	00	29.90	30.00
09	SCT	025			10.00		89	74	78	61	6	VR	29.93	30.04
12	BKN	090			10.00		90	75	79	61	8	13	29.93	30.03
15	BKN	080			10.00		92	71	77	50	8	18	29.90	30.00
18	BKN	250			10.00		87	71	76	59	5	17	29.90	30.00
21	FEW	250			10.00		83	75	77	77	7	16	29.89	29.99
24	FEW	020			9.00		78	74	75	88	0	00	29.91	30.02
SUNRISE: 0523					**JUN 29**				**SUNSET: 1926**					
03	CLR	NC			8.00		77	74	75	91	0	00	29.89	29.99
06	FEW	250			6.00	BR	77	74	75	91	3	02	29.89	30.00
09	SCT	250			10.00		87	74	78	65	8	12	29.91	30.01
12	OVC	250			10.00		89	72	77	57	14	13	29.88	29.98
15	BKN	250			10.00		90	70	76	52	5	17	29.83	29.93
18	BKN	250			10.00		85	73	77	67	7	13	29.78	29.89
21	SCT	250			10.00		83	74	77	74	6	17	29.81	29.92
24	BKN	250			10.00		79	73	75	82	3	15	29.80	29.91
SUNRISE: 0524					**JUN 30**				**SUNSET: 1926**					
03	BKN	250			10.00		77	73	74	88	0	00	29.76	29.87
06	BKN	250			10.00		78	74	75	88	5	36	29.78	29.88
09	OVC	250			10.00	-RA	82	75	77	79	5	04	29.81	29.91
12	OVC	100			10.00	TS	80	74	76	82	0	00	29.83	29.94
15	OVC	250			10.00		76	72	73	87	0	00	29.80	29.91
18	BKN	130			10.00		82	72	75	72	14	12	29.76	29.87
21	BKN	250			10.00		77	72	74	85	8	11	29.80	29.91
24	BKN	250			10.00		76	74	75	94	7	12	29.80	29.91

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE Observation Time (LST)	SATELLITE Eff Cld Amt Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F DRY BULB	TEMPERATURE °F DEW POINT	TEMPERATURE °F WET BULB	RELATIVE HUMIDITY (PCT)	WIND SPEED (MPH)	WIND DIRECTION Tens of Deg	PRESSURE (INCHES, HG) STATION	PRESSURE (INCHES, HG) 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.

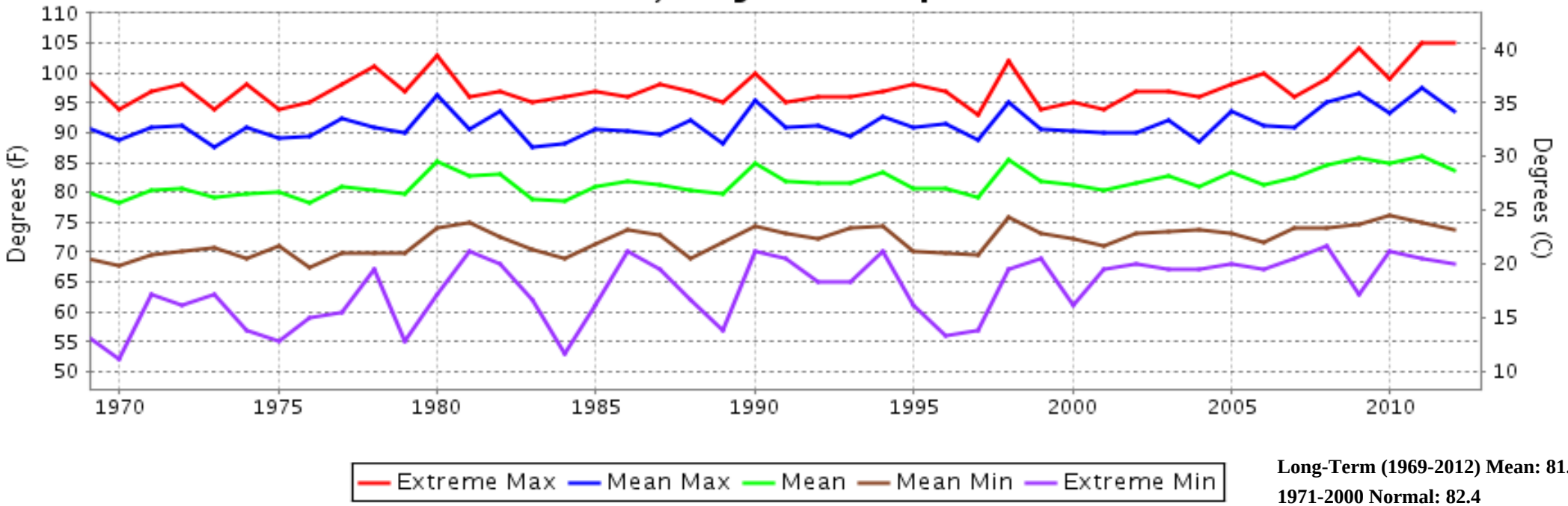
& = Original observation containted additional weather elements.

See page 3 for additional notes.

SUMMARY BY HOUR

HOUR (LST)	AVERAGES CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (Inches, HG) STATION	PRESSURE (Inches, HG) SEA LEVEL	VISIBILITY (Miles)	WIND SPEED (MPH)	RESULTANT WIND (MPH) SPEED	RESULTANT WIND (MPH) DIRECTION
01			77	71	73	81	29.79	29.89	9.72	3	5	17
02			77	71	73	84	29.78	29.89	9.87	3	3	17
03			76	71	73	85	29.78	29.88	9.73	2	4	17
04			76	71	73	87	29.78	29.89	9.47	2	5	16
05			76	71	73	87	29.79	29.89	9.28	4	4	15
06			76	71	73	85	29.80	29.91	9.00	3	3	16
07			79	72	74	80	29.81	29.92	9.27	6	3	14
08			82	72	75	72	29.83	29.93	9.63	7	3	15
09			85	71	75	65	29.83	29.94	9.90	7	4	13
10			87	70	75	60	29.83	29.93	9.90	7	4	14
11			89	70	76	54	29.83	29.93	10.00	6	5	13
12			90	69	76	52	29.81	29.92	10.00	8	4	13
13			90	68	75	50	29.80	29.90	9.97	8	5	13
14			91	67	75	48	29.78	29.89	9.97	10	5	12
15			91	67	75	48	29.77	29.87	9.73	9	6	12
16			91	68	75	50	29.76	29.86	9.97	10	4	13
17			89	68	75	53	29.75	29.86	10.00	10	5	12
18			88	68	75	55	29.75	29.85	10.00	10	5	12
19			85	69	74	60	29.76	29.86	10.00	10	5	12
20			83	70	74	66	29.77	29.87	10.00	8	4	13
21			81	70	74	70	29.78	29.88	10.00	7	4	13
22			80	71	74	74	29.79	29.89	10.00	6	4	14
23			79	71	74	77	29.80	29.90	10.00	5	3	14
24			78	71	73	81	29.79	29.90	9.90	4	4	15

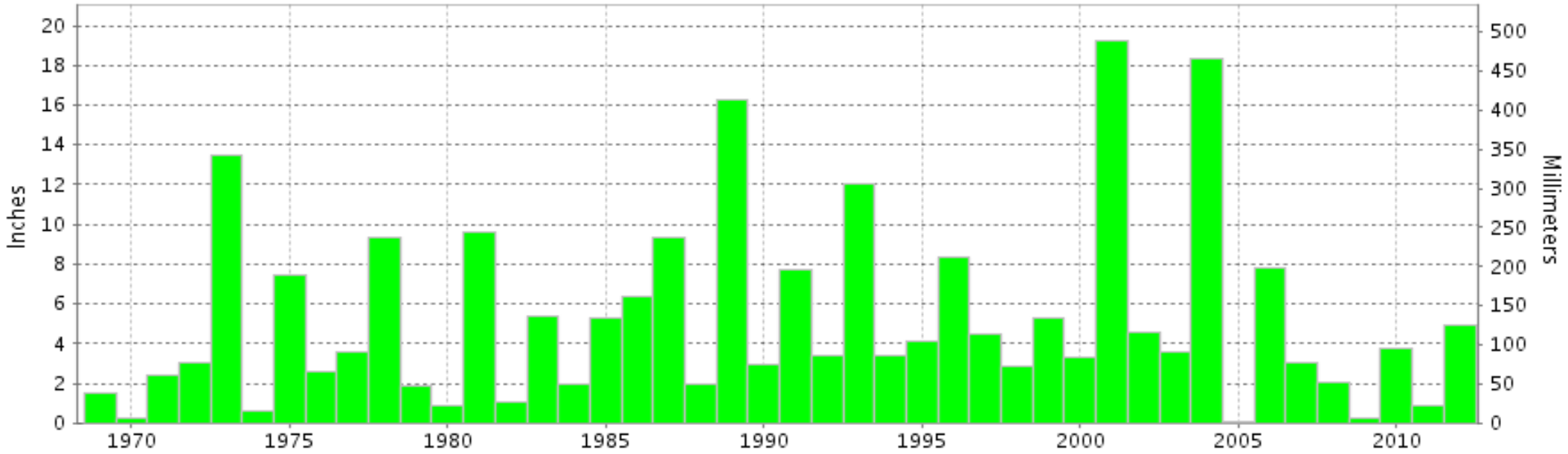
HOUSTON, TX JUNE Temperatures



Long-Term (1969-2012) Mean: 81.6

1971-2000 Normal: 82.4

HOUSTON, TX JUNE Precipitation



Long-Term (1969-2012) Mean Monthly Total: 5.25 **1971-2000 Normal: 5.93**

Published By: National Climatic Data Center

JUNE 2012
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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