



JUNE 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			
01	98	70	84	5	65	72	0	19		0		0.0	0.00	30.01	30.13	4.5	16	5.4	32	12	18	15	01	
02	100	72	86	6	65	72	0	21		0		0.0	0.00	29.88	30.01	1.8	20	4.1	16	21	13	14	02	
03	96	73	85	5	67	73	0	20	BR HZ	0		0.0	0.00	29.91	30.01	9.4	13	9.7	29	13	22	14	03	
04	98	71	85	5	64	71	0	20		0		0.0	0.00	29.97	30.08	4.4	13	6.1	24	15	18	12	04	
05	105	75	90	10	65	72	0	25	TS RA	0		0.0	T	29.91	30.03	2.3	36	5.0	24	03	20	03	05	
06	105*	72	89	9	65	71	0	24	TS TSRA RA BR	0		0.0	0.11	29.82	29.93	1.9	11	4.0	47*	09	37*	10	06	
07	95	70	83	3	68	73	0	18	TS TSRA RA BR	0		0.0	T	29.78	29.90	4.7	15	6.6	23	15	18	16	07	
08	95	73	84	4	68	73	0	19	BR	0		0.0	0.00	29.81	29.92	7.9	15	8.5	26	15	21	14	08	
09	95	72	84	4	70	74	0	19	BR	0		0.0	0.00	29.80	29.92	7.7	15	8.3	29	13	22	13	09	
10	94	72	83	2	71	75	0	18	RA	0		0.0	T	29.78	29.90	6.5	15	7.1	25	14	21	14	10	
11	96	71	84	3	69	74	0	19		0		0.0	0.00	29.80	29.91	5.0	13	5.9	23	12	18	12	11	
12	98	70	84	3	66	73	0	19		0		0.0	0.00	29.81	29.92	6.2	15	7.1	22	11	17	14	12	
13	99	72	86	5	69	74	0	21		0		0.0	0.00	29.85	29.96	5.6	17	7.0	24	15	21	16	13	
14	99	77	88	7	69	75	0	23		0		0.0	0.00	29.77	29.90	7.4	19	8.6	23	17	18	17	14	
15	100	76	88	7	71	76	0	23		0		0.0	0.00	29.73	29.85	7.8	19	8.5	23	16	18	16	15	
16	99	77	88	7	72	77	0	23		0		0.0	0.00	29.72	29.84	10.3	17	10.5	28	15	21	16	16	
17	100	82	91	9	73	77	0	26		0		0.0	0.00	29.75	29.86	13.3	17	13.5	31	17	23	16	17	
18	100	82	91	9	73	77	0	26		0		0.0	0.00	29.78	29.90	11.3	18	11.8	26	22	18	16	18	
19	99	82	91*	9	72	77	0	26		0		0.0	0.00	29.74	29.86	12.9	17	13.5	36	15	26	15	19	
20	97	81	89	7	72	77	0	24		0		0.0	0.00	29.65	29.77	14.0	17	14.2	32	15	25	15	20	
21	98	82	90	8	73	78	0	25	RA	0		0.0	T	29.69	29.80	11.5	18	12.3	30	17	22	16	21	
22	84	69*	77*	-5	71	73	0	12	TS TSRA RA BR	0		0.0	0.80	29.80	29.90	3.3	08	7.0	36	36	30	36	22	
23	92	74	83	1	72	75	0	18	RA	0		0.0	0.01	29.78	29.89	5.5	14	7.3	22	17	17	12	23	
24	93	73	83	1	73	76	0	18	RA	0		0.0	T	29.73	29.85	7.2	14	8.0	28	15	24	15	24	
25	96	75	86	4	72	76	0	21		0		0.0	0.00	29.76	29.86	8.8	17	9.1	25	15	21	15	25	
26	97	79	88	6	73	77	0	23		0		0.0	0.00	29.79	29.89	9.4	17	9.5	24	14	21	15	26	
27	97	79	88	5	74	77	0	23		0		0.0	0.00	29.83	29.94	8.3	17	9.2	18	18	17	15	27	
28	98	77	88	5	72	76	0	23		0		0.0	0.00	29.88	29.99	5.4	14	6.4	25	14	20	13	28	
29	99	75	87	4	70	75	0	22		0		0.0	0.00	29.86	29.98	3.8	15	5.2	22	15	17	14	29	
30	100	74	87	4	68	75	0	22		0		0.0	0.00	29.85	29.96	4.6	15	5.4	24	13	17	13	30	

97.4	74.9	86.2	☼	69.7	74.7	0.0	21.3	< MONTHLY AVERAGES TOTALS >				0.0	0.92	29.81	29.92	6.5	16	8.2	< MONTHLY AVERAGES			
6.7	3.1	4.9		-----DEPARTURE FROM NORMAL -----								-4.43	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									
DEGREE DAYS								GREATEST 24-HR PRECIPITATION : 0.80 DATE : 22				SEA LEVEL PRESSURE				DATE TIME						
MONTHLY								GREATEST 24-HR SNOWFALL : 0.0 DATE :				MAXIMUM : 30.20				01 0953						
SEASON TO DATE								GREATEST SNOW DEPTH : 0 DATE :				MINIMUM : 29.72				20 1953						
TOTAL DEPARTURE				TOTAL DEPARTURE				NUMBER OF -> DAYS WITH				MAXIMUM TEMP >= 90 : 29		MINIMUM TEMP <= 32 : 0		PRECIPITATION >= 0.01 INCH: 3						
HEATING : 0				0				1314 -211				MAXIMUM TEMP <= 32 : 0		MINIMUM TEMP <= 0 : 0		PRECIPITATION >= 0.10 INCH: 2						
COOLING : 640				155				1573 514				THUNDERSTORMS : 4		HEAVY FOG : 0		SNOWFALL >= 1.0 INCH : 0						

JUNE 2011
HOUSTON, TX

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

HOUSTON, TX (KIAH)
JUNE 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	0.00	0.00	
03													03												03	0.00	0.00	
04													04												04	0.00	0.00	
05													05										T		05	T	T	
06													06			0.10	0.01			T				06	0.11	0.11		
07													07	T										07	T	T		
08													08												08	0.00	0.00	
09													09												09	0.00	0.00	
10												T	10												10	T	T	
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				T									21												21	T	T	
22					0.09		0.17	0.05	0.09	0.04	0.08	0.21	22	0.07	T										22	0.80	0.80	
23							0.01	T					23			T									23	0.01	0.01	
24										T	T	T	24	T											24	T	T	
25													25												25	0.00	0.00	
26													26												26	0.00	0.00	
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	

* 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)	0.07	0.11	0.14	0.15	0.19	0.25	0.26	0.27	0.32	0.35	0.36	0.38
Ending Date	06	22	22	22	22	22	22	22	22	22	22	22
Ending Time (Hr/Min)	1438	0620	0622	0627	0620	0627	0634	1219	1211	1231	1231	1231

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 JUNE 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							10.00	10.00	
03							5.00	10.00	
04							10.00	10.00	
05							10.00	10.00	
06							6.00	10.00	
07							5.00	10.00	
08							5.00	10.00	
09							6.00	10.00	
10							8.00	10.00	
11							7.00	10.00	
12							7.00	10.00	
13							9.00	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							10.00	10.00	
20							10.00	10.00	
21							10.00	10.00	
22							3.00	10.00	
23							10.00	10.00	
24							10.00	10.00	
25							10.00	10.00	
26							9.00	10.00	
27							10.00	10.00	
28							10.00	10.00	
29							10.00	10.00	
30							10.00	10.00	
MONTHLY AVGS							8.57	10.00	
SUNSHINE (Minutes)									
Total : 0					Possible : 25261				
Percent Possible : 0									
NUMBER OF DAYS WITH :									
SKY CONDITION									
Clear		Partly CLDY			Cloudy			Missing	
MINIMUM VISIBILITY (MILES)									
<= .25		<= 3.0			>= 7.0				
0		1			24				

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX JUNE 2011

KIAH

WBAN # 12960

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND RELATIVE HUMIDITY (PCT)	WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND RELATIVE HUMIDITY (PCT)	WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)							
			Observation Time (LST)	Eff Cld Amt Oktas		DRY BULB	DEW POINT	WET BULB			DRY BULB	DEW POINT				WET BULB	Observation Time (LST)		Eff Cld Amt Oktas	DRY BULB	DEW POINT			WET BULB	Observation Time (LST)	Eff Cld Amt Oktas	DRY BULB	DEW POINT	WET BULB	STATION	SEA LEVEL
			VISIBILITY (MILES)	VISIBILITY (MILES)		STATION	SEA LEVEL	VISIBILITY (MILES)			VISIBILITY (MILES)	STATION				SEA LEVEL	VISIBILITY (MILES)		VISIBILITY (MILES)	STATION	SEA LEVEL										
SUNRISE: 0521 JUN 01						SUNSET: 1917						SUNRISE: 0520 JUN 07						SUNSET: 1920													
03	FEW	020			10.00	74	72	73	94	0	00	30.06	30.17	03	SCT	250			8.00	BR	70	66	67	87	3	02	29.78	29.89			
06	BKN	250			7.00	72	71	71	97	0	00	30.09	30.20	06	SCT	250			5.00	BR	71	67	68	87	3	12	29.81	29.92			
09	SCT	250			10.00	86	68	74	55	0	00	30.10	30.20	09	BKN	250			10.00	BR	84	73	76	70	3	10	29.82	29.93			
12	SCT	250			10.00	93	63	73	37	11	13	30.06	30.17	12	BKN	250			10.00	BR	92	69	76	47	9	17	29.80	29.90			
15	SCT	250			10.00	96	61	73	31	13	16	29.98	30.09	15	SCT	250			10.00	BR	92	66	74	42	11	14	29.75	29.85			
18	CLR	NC			10.00	93	62	73	36	9	17	29.95	30.06	18	BKN	250			10.00	BR	89	68	75	50	13	16	29.74	29.85			
21	CLR	NC			10.00	86	61	70	43	7	19	29.95	30.06	21	BKN	250			10.00	BR	83	69	74	63	6	17	29.80	29.91			
24	CLR	NC			10.00	77	62	68	60	0	00	29.96	30.06	24	SCT	250			10.00	BR	79	71	74	77	3	17	29.82	29.93			
SUNRISE: 0521 JUN 02						SUNSET: 1918						SUNRISE: 0520 JUN 08						SUNSET: 1921													
03	CLR	NC			10.00	76	65	69	69	0	00	29.95	30.06	03	SCT	250			7.00	BR	77	72	74	85	3	17	29.79	29.89			
06	CLR	NC			10.00	75	67	70	76	0	00	29.95	30.06	06	SCT	250			5.00	BR	74	72	73	94	0	00	29.82	29.92			
09	CLR	NC			10.00	87	63	71	45	6	VR	29.98	30.08	09	SCT	029			10.00	BR	85	70	75	61	11	15	29.86	29.96			
12	CLR	NC			10.00	94	64	74	37	3	11	29.92	30.02	12	SCT	060			10.00	BR	92	63	73	38	11	14	29.83	29.94			
15	SCT	075			10.00	97	63	74	33	7	VR	29.85	29.95	15	SCT	060			10.00	BR	91	68	75	47	20	13	29.78	29.89			
18	CLR	NC			10.00	97	62	74	31	7	17	29.80	29.91	18	FEW	050			10.00	BR	90	64	73	42	15	14	29.78	29.88			
21	CLR	NC			10.00	90	64	73	42	3	19	29.83	29.93	21	CLR	NC			10.00	BR	82	67	72	61	9	18	29.83	29.94			
24	CLR	NC			10.00	85	66	72	53	6	16	29.85	29.96	24	CLR	NC			10.00	BR	79	71	74	77	3	18	29.84	29.94			
SUNRISE: 0521 JUN 03						SUNSET: 1918						SUNRISE: 0520 JUN 09						SUNSET: 1921													
03	CLR	NC			10.00	79	73	75	82	6	11	29.87	29.97	03	FEW	250			10.00	BR	73	70	71	90	0	00	29.82	29.93			
06	FEW	020			5.00	78	74	75	88	7	14	29.91	30.01	06	SCT	250			6.00	BR	73	71	72	93	5	14	29.84	29.95			
09	BKN	028			8.00	87	72	77	61	11	10	29.92	30.03	09	SCT	250			10.00	BR	86	70	75	59	7	16	29.87	29.97			
12	SCT	055			10.00	94	66	75	40	13	12	29.91	30.01	12	BKN	055			10.00	BR	92	69	76	47	10	12	29.84	29.94			
15	FEW	060			10.00	94	56	70	28	15	14	29.88	29.99	15	SCT	060			10.00	BR	92	69	76	47	16	15	29.78	29.88			
18	FEW	030			10.00	89	63	72	42	16	13	29.88	29.99	18	FEW	040			10.00	BR	88	69	75	53	17	14	29.77	29.87			
21	CLR	NC			10.00	80	68	72	67	9	15	29.92	30.03	21	CLR	NC			10.00	BR	83	69	74	63	7	16	29.80	29.91			
24	CLR	NC			10.00	77	70	72	79	6	16	29.95	30.06	24	CLR	NC			10.00	BR	78	70	73	77	3	18	29.81	29.91			
SUNRISE: 0520 JUN 04						SUNSET: 1919						SUNRISE: 0520 JUN 10						SUNSET: 1922													
03	CLR	NC			10.00	72	69	70	90	3	35	29.96	30.07	03	FEW	025			10.00	BR	75	71	72	87	3	18	29.79	29.90			
06	FEW	020			10.00	71	69	70	93	0	00	30.00	30.10	06	FEW	250			10.00	BR	73	71	72	93	0	00	29.81	29.92			
09	SCT	024			10.00	82	70	74	67	3	08	30.03	30.13	09	BKN	049			10.00	BR	87	71	76	59	8	15	29.85	29.95			
12	FEW	045			10.00	94	63	73	36	7	09	29.98	30.10	12	BKN	110			10.00	BR	90	68	75	48	6	14	29.81	29.92			
15	FEW	050			10.00	97	63	74	33	14	15	29.96	30.06	15	BKN	095			10.00	BR	90	70	76	52	14	14	29.76	29.86			
18	CLR	NC			10.00	93	59	71	32	13	13	29.94	30.05	18	SCT	100			10.00	BR	89	69	75	52	15	14	29.75	29.85			
21	CLR	NC			10.00	85	57	68	39	3	18	29.98	30.08	21	CLR	NC			10.00	BR	83	71	75	67	8	16	29.78	29.88			
24	CLR	NC			10.00	79	64	69	60	0	00	29.98	30.09	24	FEW	025			10.00	BR	80	72	75	77	3	19	29.79	29.89			
SUNRISE: 0520 JUN 05						SUNSET: 1919						SUNRISE: 0520 JUN 11						SUNSET: 1922													
03	FEW	024			10.00	77	66	70	69	0	00	29.96	30.06	03	SCT	250			9.00	BR	75	72	73	90	0	00	29.79	29.90			
06	SCT	100			10.00	76	67	70	74	5	30	29.98	30.10	06	CLR	NC			8.00	BR	72	71	71	97	3	02	29.82	29.93			
09	FEW	250			10.00	88	65	73	47	5	01	29.98	30.09	09	SCT	027			9.00	BR	85	71	75	63	6	14	29.86	29.96			
12	BKN	250			10.00	97	65	75	35	8	13	29.95	30.06	12	SCT	050			10.00	BR	93	67	75	43	3	VR	29.82	29.93			
15	SCT	120			10.00	103	62	75	26	10	01	29.86	29.96	15	SCT	060			10.00	BR	95	65	75	37	7	13	29.77	29.88			
18	BKN	250			10.00	92	61	72	36	7	20	29.85	29.95	18	FEW	050			10.00	BR	90	66	74	45	15	12	29.75	29.86			
21	BKN	250			10.00	85	65	72	51	14	01	29.90	30.00	21	CLR	NC			10.00	BR	83	70	74	65	7	16	29.79	29.89			
24	SCT	250			10.00	80	64	70	58	3	01	29.87	29.97	24	CLR	NC			9.00	BR	79	71	74	77	5	17	29.80	29.91			
SUNRISE: 0520 JUN 06						SUNSET: 1920						SUNRISE: 0520 JUN 12						SUNSET: 1922													
03	BKN	250			10.00	76	65	69	69	0	00	29.85	29.95	03	FEW	024			8.00	BR	73	70	71	90	0	00	29.80	29.91			
06	FEW	250			7.00	75	67	70	76	0	00	29.86	29.96	06	CLR	NC			7.00	BR	72	70	71	93	0	00	29.81	29.92			
09	CLR	NC			10.00	89	65	73	45	0	00	29.87	29.97	09	FEW	027			10.00	BR	85	69	74	59	7	23	29.84	29.94			
12	SCT	250			10.00	101	62	75	28	7	05	29.82	29.93	12	FEW	055			10.00	BR	93	65	74	40	9	17	29.83	29.93			
15	SCT	055			6.00	74	65	68	74	16	15	29.76		15	CLR	NC			10.00	BR	97	51	69	21	14	11	29.80	29.90			
18	BKN	250			9.00	79	69	72	72	5	20	29.81	29.91	18	CLR	NC			10.00	BR	91	55	69	30	15	13	29.78	29.89			
21	BKN	250			10.00	74	68	70	82	0	00	29.80	29.91	21	CLR	NC			10.00	BR	81	70	74	69	5	17	29.82	29.93			
24	SCT	250			8.00	72	67	69	84	0	00	29.79	29.90	24	CLR	NC			10.00	BR	80	71	74	74	5	18	29.85	29.96			

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX

JUNE 2011

KIAH

WBAN # 12960

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			WIND RELATIVE HUMIDITY (PCT)	WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			WIND RELATIVE HUMIDITY (PCT)	WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)			
			Observation Time (LST)	Eff Cld Amt Oktas			DRY BULB	DEW POINT	WET BULB			STATION	SEA LEVEL				Observation Time (LST)	Eff Cld Amt Oktas			DRY BULB	DEW POINT	WET BULB			STATION	SEA LEVEL		
			SUNRISE: 0520						JUN 13			SUNSET: 1923						SUNRISE: 0521								JUN 19	SUNSET: 1925		
03	CLR	NC			10.00		75	70	72	85	3	19	29.84	29.95	03	BKN	020			10.00		83	76	78	80	10	18	29.80	29.91
06	CLR	NC			10.00		73	71	72	93	0	00	29.87	29.98	06	SCT	020			10.00		82	76	78	82	7	19	29.79	29.89
09	SCT	032			10.00		86	70	75	59	8	21	29.91	30.01	09	SCT	032			10.00		90	72	77	56	14	18	29.80	29.91
12	FEW	050			10.00		94	65	74	38	6	15	29.88	29.98	12	SCT	055			10.00		95	67	76	40	15	18	29.77	29.87
15	SCT	075			10.00		98	63	74	32	10	14	29.81	29.91	15	FEW	060			10.00		98	64	75	33	13	17	29.70	29.81
18	FEW	060			10.00		93	68	76	44	16	16	29.79	29.90	18	FEW	050			10.00		91	70	76	50	23	16	29.70	29.80
21	CLR	NC			10.00		85	70	75	61	9	16	29.86	29.96	21	SCT	045			10.00		85	73	77	67	14	16	29.73	29.83
24	FEW	020			10.00		81	72	75	74	7	18	29.88	29.98	24	SCT	023			10.00		83	75	77	77	11	17	29.74	29.84
SUNRISE: 0520						JUN 14	SUNSET: 1923						SUNRISE: 0521						JUN 20	SUNSET: 1925									
03	CLR	NC			10.00		78	71	73	79	6	21	29.86	29.96	03	FEW	020			10.00		82	73	76	74	14	17	29.71	29.82
06	CLR	NC			10.00		78	72	74	82	3	VR	29.84	29.94	06	FEW	025			10.00		81	73	75	77	9	16	29.70	29.80
09	SCT	025			10.00		87	70	75	57	13	21	29.86	29.96	09	BKN	037			10.00		89	72	77	57	13	17	29.69	29.79
12	SCT	050			10.00		95	67	76	40	10	25	29.81	29.91	12	BKN	048			10.00		94	72	78	49	11	17	29.66	29.77
15	SCT	070			10.00		99	64	75	32	13	17	29.73	29.83	15	SCT	060			10.00		95	69	77	43	16	15	29.62	29.72
18	FEW	070			10.00		95	67	76	40	11	19	29.70	29.81	18	SCT	250			10.00		92	71	77	50	15	17	29.61	29.72
21	CLR	NC			10.00		84	71	75	65	13	18	29.74	29.84	21	SCT	250			10.00		84	75	78	74	20	15	29.63	29.73
24	FEW	020			10.00		81	73	75	77	6	18	29.76	29.86	24	BKN	024			10.00		84	75	78	74	11	17	29.66	29.76
SUNRISE: 0520						JUN 15	SUNSET: 1924						SUNRISE: 0521						JUN 21	SUNSET: 1925									
03	FEW	020			10.00		80	73	75	79	7	18	29.74	29.84	03	BKN	024			10.00		83	75	77	77	9	17	29.64	29.75
06	SCT	027			10.00		76	73	74	90	0	00	29.79	29.90	06	BKN	150			10.00		83	76	78	80	7	19	29.68	29.79
09	SCT	030			10.00		88	72	77	59	10	22	29.78	29.88	09	BKN	070			10.00		89	74	78	61	11	17	29.71	29.81
12	BKN	055			10.00		95	69	77	43	9	22	29.74	29.85	12	BKN	060			10.00		94	72	78	49	15	22	29.70	29.80
15	BKN	075			10.00		97	66	76	36	11	19	29.70	29.80	15	SCT	100			10.00		97	72	79	45	16	18	29.67	29.77
18	FEW	060			10.00		94	71	78	47	15	16	29.67	29.78	18	FEW	047			10.00		93	72	78	51	18	17	29.66	29.76
21	CLR	NC			10.00		85	73	77	67	11	18	29.73	29.84	21	FEW	250			10.00		85	74	77	70	16	15	29.74	29.84
24	CLR	NC			10.00		81	73	75	77	6	19	29.74	29.85	24	SCT	250			10.00		84	76	78	77	8	17	29.75	29.86
SUNRISE: 0520						JUN 16	SUNSET: 1924						SUNRISE: 0521						JUN 22	SUNSET: 1926									
03	FEW	017			10.00		79	74	76	85	0	00	29.74	29.85	03	BKN	110			10.00		83	76	78	80	8	16	29.76	29.87
06	FEW	020			10.00		79	74	76	85	5	17	29.76	29.86	06	OVC	037			5.00	+RA BR	70	66	67	87	18	02	29.81	29.92
09	SCT	032			10.00		87	74	78	65	14	19	29.78	29.88	09	OVC	060			7.00	-TSRA	70	68	69	93	7	06	29.85	29.96
12	SCT	050			10.00		97	70	78	42	14	17	29.76	29.86	12	OVC	070			5.00	TSRA BR	71	70	70	97	14	11	29.84	29.95
15	SCT	070			10.00		98	68	77	38	14	19	29.70	29.81	15	SCT	120			10.00		78	70	73	77	8	31	29.78	29.88
18	FEW	050			10.00		93	69	76	46	14	17	29.68	29.78	18	SCT	130			10.00		81	70	74	69	6	07	29.76	29.86
21	FEW	035			10.00		85	73	77	67	9	17	29.70	29.81	21	BKN	130			10.00		77	72	74	85	6	11	29.80	29.91
24	FEW	025			10.00		83	75	77	77	9	16	29.74	29.84	24	BKN	130			10.00		76	72	73	87	5	05	29.81	29.91
SUNRISE: 0520						JUN 17	SUNSET: 1924						SUNRISE: 0521						JUN 23	SUNSET: 1926									
03	BKN	025			10.00		82	76	78	82	9	16	29.74	29.85	03	BKN	250			10.00		75	72	73	90	6	01	29.78	29.89
06	SCT	027			10.00		82	75	77	79	10	17	29.75	29.85	06	OVC	048			10.00		74	72	73	94	9	12	29.82	29.92
09	SCT	033			10.00		90	72	77	56	14	18	29.79	29.89	09	BKN	100			10.00		79	75	76	88	8	16	29.82	29.93
12	SCT	055			10.00		96	68	77	40	11	21	29.78	29.88	12	BKN	120			10.00		89	72	77	57	7	15	29.81	29.91
15	SCT	060			10.00		98	70	78	40	11	16	29.73	29.83	15	BKN	250			10.00	-RA	90	73	78	57	9	11	29.77	29.87
18	FEW	050			10.00		93	71	78	49	16	16	29.72	29.83	18	BKN	250			10.00		87	73	77	63	15	13	29.74	29.85
21	FEW	035			10.00		85	73	77	67	14	16	29.77	29.88	21	SCT	250			10.00		81	73	75	77	8	13	29.76	29.87
24	BKN	022			10.00		84	76	78	77	15	17	29.80	29.91	24	FEW	025			10.00		78	73	75	85	0	00	29.77	29.88
SUNRISE: 0520						JUN 18	SUNSET: 1925						SUNRISE: 0522						JUN 24	SUNSET: 1926									
03	BKN	019			10.00		83	76	78	80	11	18	29.79	29.89	03	FEW	025			10.00		75	73	74	94	0	00	29.76	29.86
06	FEW	019			10.00		82	75	77	79	9	19	29.83	29.93	06	FEW	025			10.00		74	73	73	97	3	04	29.75	29.85
09	FEW	028			10.00		90	73	78	57	13	18	29.84	29.95	09	BKN	090			10.00		84	73	76	70	9	13	29.77	29.88
12	FEW	055			10.00		97	69	77	40	15	20	29.81	29.91	12	BKN	080			10.00	-RA	81	74	76	79	13	17	29.77	29.88
15	FEW	060			10.00		99	67	77	35	17	20	29.76	29.86	15	BKN	065			10.00		90	71	77	54	16	15	29.71	29.82
18	FEW	050			10.00		95	69	77	43	14	17	29.73	29.84	18	SCT	034			10.00		87	73	77	63	16	13	29.71	29.82
21	FEW	040			10.00		85	74	77	70	10	17	29.79	29.90	21	CLR	NC			10.00		82	71	74	69	7	16	29.75	29.85
24	SCT	022			10.00		83	75	77	77	8	18	29.81	29.92	24	FEW	025			10.00		78	73	75	85	3	18	29.74	29.84

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX JUNE 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: 0522						JUN 25						SUNSET: 1926					
03	FEW	022				79	74	76	85	0	00	29.73	29.83				
06	FEW	020				76	75	75	97	3	16	29.76	29.86				
09	BKN	026				84	73	76	70	9	20	29.78	29.88				
12	SCT	048				92	70	77	49	18	16	29.78	29.88				
15	BKN	090				95	70	77	44	15	15	29.74	29.84				
18	SCT	075				90	70	76	52	11	18	29.74	29.85				
21	CLR	NC				84	71	75	65	10	16	29.79	29.89				
24	CLR	NC				82	75	77	79	6	17	29.79	29.89				
SUNRISE: 0522						JUN 26						SUNSET: 1926					
03	FEW	016				81	76	77	85	6	17	29.77	29.87				
06	FEW	016				80	76	77	88	5	17	29.79	29.90				
09	FEW	031				87	73	77	63	9	19	29.83	29.93				
12	BKN	049				94	70	77	46	9	16	29.82	29.93				
15	BKN	060				95	69	77	43	13	16	29.76	29.87				
18	SCT	040				92	72	78	52	15	15	29.75	29.85				
21	CLR	NC				85	73	77	67	13	17	29.80	29.90				
24	FEW	020				82	75	77	79	6	17	29.82	29.93				
SUNRISE: 0523						JUN 27						SUNSET: 1926					
03	FEW	018				80	75	77	85	3	18	29.80	29.91				
06	FEW	020				79	76	77	91	0	00	29.81	29.92				
09	SCT	027				87	73	77	63	10	19	29.85	29.95				
12	BKN	045				93	70	77	47	10	18	29.83	29.93				
15	SCT	065				96	74	80	49	15	14	29.80	29.91				
18	FEW	050				92	73	78	54	17	16	29.81	29.91				
21	CLR	NC				84	74	77	72	11	14	29.89	29.99				
24	FEW	025				82	75	77	79	5	18	29.89	30.00				
SUNRISE: 0523						JUN 28						SUNSET: 1926					
03	FEW	020				80	75	77	85	3	17	29.87	29.98				
06	FEW	020				77	74	75	91	0	00	29.90	30.00				
09	SCT	027				86	72	76	63	5	VR	29.93	30.03				
12	SCT	055				91	69	76	49	6	21	29.91	30.01				
15	SCT	085				95	70	77	44	13	11	29.87	29.98				
18	SCT	250				91	70	76	50	16	13	29.85	29.96				
21	CLR	NC				84	69	74	61	8	13	29.88	29.98				
24	FEW	025				80	72	75	77	5	19	29.92	30.02				
SUNRISE: 0523						JUN 29						SUNSET: 1926					
03	FEW	030				80	74	76	82	5	19	29.85	29.95				
06	SCT	250				76	74	75	94	3	03	29.91	30.02				
09	SCT	250				85	74	77	70	0	00	29.95	30.05				
12	SCT	250				94	69	77	44	5	11	29.92	30.02				
15	SCT	250				95	67	76	40	5	13	29.84	29.95				
18	SCT	250				93	69	76	46	15	13	29.82	29.92				
21	FEW	250				86	66	73	51	6	16	29.84	29.94				
24	CLR	NC				82	71	74	69	3	18	29.84	29.95				
SUNRISE: 0524						JUN 30						SUNSET: 1926					
03	CLR	NC				76	72	73	87	0	00	29.83	29.93				
06	CLR	NC				76	73	74	90	0	00	29.88	29.98				
09	FEW	030				89	69	75	52	0	00	29.91	30.01				
12	FEW	040				96	65	75	36	6	VR	29.89	29.99				
15	SCT	080				98	63	74	32	8	11	29.82	29.93				
18	SCT	250				95	64	74	36	14	14	29.79	29.90				
21	FEW	250				87	63	71	45	8	17	29.84	29.95				
24	CLR	NC				82	75	77	79	3	19	29.86	29.96				

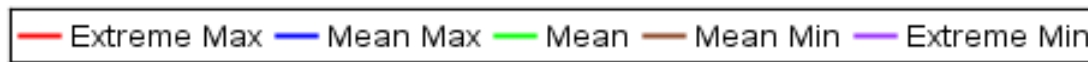
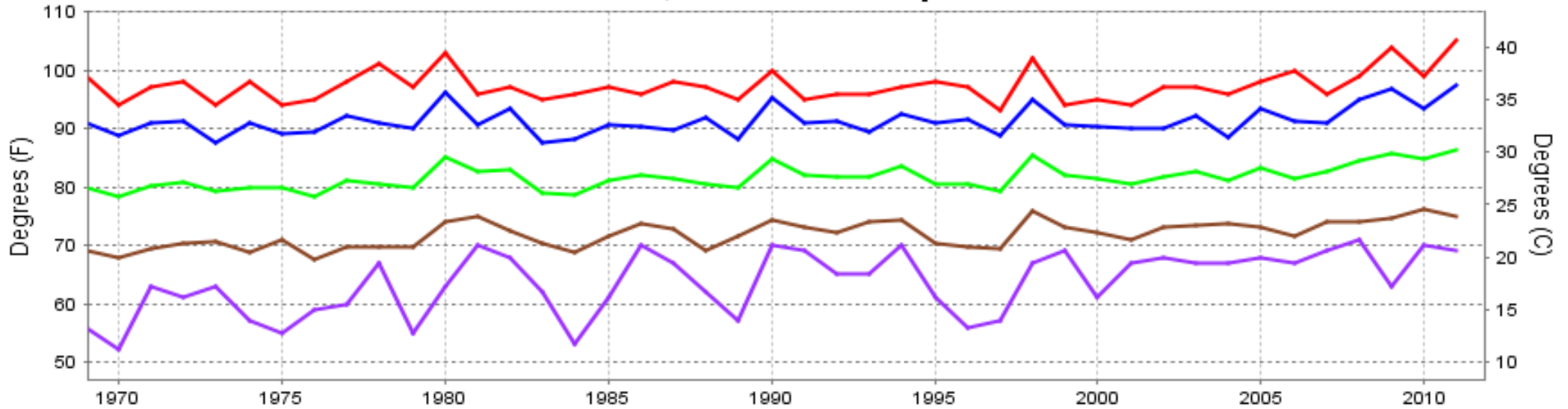
HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND		PRESSURE (INCHES, HG)			
			Observation Time (LST)	Eff Cl'd Amt Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL

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

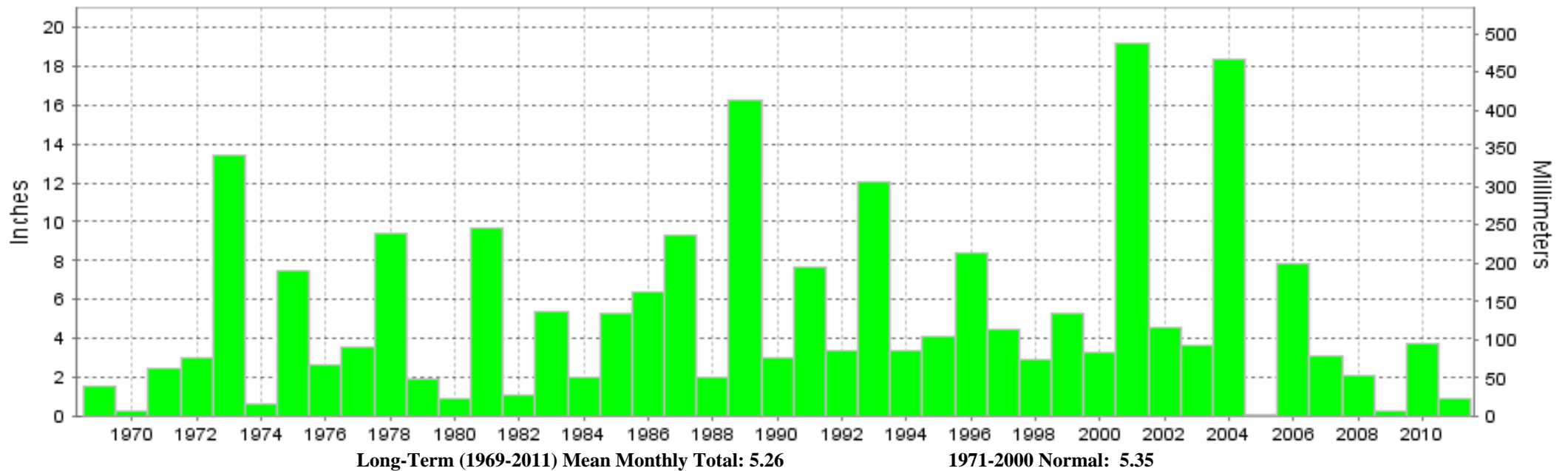
HOUR (LST)	AVERAGES										RESULTANT WIND (MPH)	
	CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (Inches, HG)		VISIBILITY (Miles)	WIND SPEED (MPH)	SPEED	DIRECTION
							STATION	SEA LEVEL				
01			79	72	74	79	29.82	29.93	9.83	4	6	18
02			79	72	74	81	29.81	29.92	9.80	4	7	17
03			78	72	74	83	29.81	29.92	9.73	4	7	17
04			77	72	74	85	29.82	29.92	9.43	4	7	17
05			76	72	73	86	29.82	29.93	9.43	3	8	17
06			76	72	73	88	29.84	29.94	8.80	4	8	17
07			79	73	75	81	29.85	29.96	9.27	6	5	17
08			83	72	76	72	29.86	29.96	9.50	8	5	17
09			86	71	75	62	29.86	29.96	9.80	8	6	17
10			89	69	75	54	29.86	29.96	9.87	8	6	18
11			91	68	75	48	29.85	29.95	9.87	9	5	18
12			93	68	76	45	29.83	29.94	9.83	10	5	15
13			94	67	76	43	29.81	29.92	9.97	11	6	15
14			95	66	75	40	29.79	29.90	10.00	11	6	15
15			94	66	75	42	29.78	29.89	9.87	13	7	13
16			94	67	75	42	29.77	29.88	10.00	12	7	13
17			93	68	76	44	29.77	29.87	9.97	13	7	13
18			91	68	75	48	29.77	29.87	9.97	14	8	13
19			88	68	74	52	29.78	29.88	10.00	13	7	13
20			86	69	74	58	29.79	29.90	10.00	10	6	14
21			84	70	74	64	29.81	29.91	10.00	9	5	15
22			82	71	74	69	29.82	29.93	10.00	8	5	16
23			81	71	75	73	29.82	29.93	10.00	6	5	17
24			80	72	74	75	29.82	29.93	9.90	5	5	17

HOUSTON, TX JUNE Temperatures



Long-Term (1969-2011) Mean: 81.6
 1971-2000 Normal: 81.3

HOUSTON, TX JUNE Precipitation



Long-Term (1969-2011) Mean Monthly Total: 5.26

1971-2000 Normal: 5.35



JUNE 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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