



JUNE 2009

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	Temperature °F						Deg Days BASE 65°		WEATHER	SNOW/ICE ON GND(IN)		PRECIPITATION ON GND(IN)		PRESSURE (INCHES OF HG)		WIND SPEED = MPH DIR = TENS OF DEGREES								Date
	MAXIMUM	MINIMUM	AVERAGE	DEP FROM NORMAL	AVERAGE DEW PT	AVERAGE WET BULB	HEATING	COOLING		0600 LST	1200 LST	2400 LST	2400 LST	AVERAGE STATION	AVERAGE SEA LEVEL	RESULTANT SPEED	RES DIR	AVERAGE SPEED	MAXIMUM					
																			3-SEC		2-MIN			
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	89	63*	76*	-3	64	69	0	11		0		0.0	0.00	29.83	29.95	5.6	14	5.5	22	12	18	14	01	
02	91	68	80	0	69	72	0	15		0		0.0	0.00	29.81	29.93	3.8	12	4.2	22	12	18	13	02	
03	93	71	82	2	70	73	0	17	TS BR	0		0.0	0.00	29.80	29.91	2.5	16	5.8	29	05	26	06	03	
04	86	69	78	-2	64	69	0	13		0		0.0	0.00	29.82	29.92	8.2	35	9.2	24	01	20	34	04	
05	90	66	78	-2	62	68	0	13		0		0.0	0.00	29.83	29.95	3.7	04	5.0	18	02	15	01	05	
06	91	66	79	-1	64	69	0	14		0		0.0	0.00	29.82	29.93	5.8	13	7.2	21	13	17	11	06	
07	92	65	79	-1	66	71	0	14		0		0.0	0.00	29.77	29.89	7.9	17	8.2	23	16	18	16	07	
08	93	69	81	1	68	72	0	16		0		0.0	0.00	29.77	29.88	8.5	16	9.3	22	12	18	12	08	
09	95	73	84	4	72	75	0	19		0		0.0	0.00	29.80	29.91	9.2	17	9.4	24	15	22	15	09	
10	95	75	85	4	72	76	0	20	RA	0		0.0	T	29.76	29.88	9.3	18	9.4	26	16	20	16	10	
11	96	79	88	7	72	76	0	23		0		0.0	0.00	29.74	29.86	8.7	17	9.4	28	16	17	14	11	
12	98	78	88	7	71	76	0	23		0		0.0	0.00	29.77	29.87	10.2	17	10.3	29	17	21	15	12	
13	98	78	88	7	72	76	0	23		0		0.0	0.00	29.83	29.93	7.1	17	7.6	22	15	18	15	13	
14	97	75	86	5	71	75	0	21		0		0.0	0.00	29.85	29.95	6.4	17	7.7	23	15	20	15	14	
15	98	75	87	6	71	76	0	22		0		0.0	0.00	29.82	29.94	8.8	18	9.1	24	16	18	16	15	
16	98	77	88	7	71	76	0	23		0		0.0	0.00	29.81	29.92	9.2	18	9.6	23	16	20	16	16	
17	97	78	88	6	71	76	0	23		0		0.0	0.00	29.84	29.96	7.3	16	8.5	25	11	21	15	17	
18	98	79	89	7	72	77	0	24		0		0.0	0.00	29.80	29.92	9.6	17	9.8	26	15	22	14	18	
19	98	77	88	6	72	76	0	23		0		0.0	0.00	29.79	29.90	8.2	17	8.6	26	14	21	14	19	
20	97	75	86	4	70	75	0	21		0		0.0	0.00	29.78	29.89	8.9	16	9.1	24	14	21	15	20	
21	98	74	86	4	72	76	0	21		0		0.0	0.00	29.77	29.88	5.4	17	6.4	24	15	20	15	21	
22	99	75	87	5	72	76	0	22		0		0.0	0.00	29.73	29.86	4.0	18	5.3	22	16	17	15	22	
23	101	78	90	8	70	76	0	25		0		0.0	0.00	29.73	29.85	2.9	18	4.6	17	15	14	15	23	
24	104	79	92	10	69	76	0	27		0		0.0	0.00	29.72	29.84	2.3	23	4.4	15	10	12	17	24	
25	102	80	91	9	72	77	0	26	RA	0		0.0	0.27	29.72	29.83	2.5	22	4.2				8	17	25
26	104*	77	91	9	69	76	0	26		0		0.0	0.00	29.71	29.82	2.7	22	5.0	21	13	17	14	26	
27	101	82	92	9	73	78	0	27		0		0.0	0.00	29.75	29.86	4.8	20	6.3	36*	16	29*	16	27	
28	102	81	92*	9	72	77	0	27		0		0.0	0.00	29.74	29.86	2.0	23	4.4	15	16	12	16	28	
29	103	77	90	7	71	76	0	25	TS TSRA RA	0		0.0	T	29.67	29.79	0.6	25	6.3	31	09	25	02	29	
30	97	78	88	5	72	76	0	23	TS	0		0.0	0.00	29.68	29.79	1.1	02	5.4	24	02	20	02	30	

96.7	74.6	85.7	☼	69.9	74.6	0.0	20.9	< MONTHLY AVERAGES TOTALS >				0.0	0.27	29.78	29.89	4.8	17	7.2	< MONTHLY AVERAGES				
6.0	2.8	4.4		-----DEPARTURE FROM NORMAL -----										-5.08	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3								
DEGREE DAYS								GREATEST 24-HR PRECIPITATION : 0.27 DATE : 25				SEA LEVEL PRESSURE				DATE TIME							
MONTHLY								GREATEST 24-HR SNOWFALL : 0.0 DATE :				MAXIMUM : 30.01				17 1100							
TOTAL DEPARTURE								GREATEST SNOW DEPTH : 0 DATE :				MINIMUM : 29.69				29 1653							
SEASON TO DATE								NUMBER OF -> DAYS WITH				MAXIMUM TEMP >= 90 : 28				MINIMUM TEMP <= 32 : 0				PRECIPITATION >= 0.01 INCH : 1			
HEATING : 0 0 1159 -366								MAXIMUM TEMP <= 32 : 0				MINIMUM TEMP <= 0 : 0				PRECIPITATION >= 0.10 INCH : 1							
COOLING : 627 142 1350 291								THUNDERSTORMS : 3				HEAVY FOG : 0				SNOWFALL >= 1.0 INCH : 0							

JUNE 2009
HOUSTON, TX

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

HOUSTON, TX (KIAH)
JUNE 2009

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												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											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													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			0.27	T								25	0.27	0.27	
26													26												26	0.00	0.00	
27													27												27	0.00	0.00	
28													28												28	0.00	0.00	
29													29					T	T	T					29	T	T	
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)	0.13	0.20	0.26	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
Ending Date	25	25	25	25	25	25	25	25	25	25	25	25
Ending Time (Hr/Min)	1529	1533	1536	1537	1537	1537	1537	1537	1537	1537	1537	1537

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 2009

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							10.00	10.00	
02							10.00	10.00	
03							6.00	10.00	
04							10.00	10.00	
05							10.00	10.00	
06							10.00	10.00	
07							9.00	10.00	
08							10.00	10.00	
09							10.00	10.00	
10							10.00	10.00	
11							10.00	10.00	
12							10.00	10.00	
13							10.00	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							9.00	10.00	
21							10.00	10.00	
22							9.00	10.00	
23							10.00	10.00	
24							10.00	10.00	
25							10.00	10.00	
26							10.00	10.00	
27							10.00	10.00	
28							10.00	10.00	
29							10.00	10.00	
30							10.00	10.00	
MONTHLY AVGS							9.77	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			0				29		

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX
JUNE 2009

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: 0521 JUN 01						SUNSET: 1917						SUNRISE: 0520 JUN 07						SUNSET: 1920									
03	SCT	250			10.00	66	62	64	87	0	00	29.83	29.94	03	FEW	250			10.00	68	65	66	90	0	00	29.79	29.90
06	FEW	250			10.00	65	62	63	90	0	00	29.86	29.96	06	FEW	250			9.00	66	64	65	93	0	00	29.79	29.89
09	SCT	250			10.00	79	64	69	60	5	16	29.89	30.00	09	SCT	033			10.00	83	67	72	59	14	17	29.82	29.92
12	SCT	250			10.00	84	62	70	48	9	15	29.87	29.98	12	SCT	050			10.00	88	65	73	47	11	21	29.79	29.90
15	BKN	250			10.00	88	62	71	42	13	14	29.83	29.93	15	SCT	055			10.00	91	65	74	42	15	16	29.75	29.86
18	SCT	250			10.00	83	64	71	53	13	13	29.82	29.92	18	SCT	040			10.00	87	65	72	48	13	17	29.75	29.85
21	FEW	250			10.00	76	66	70	71	9	15	29.83	29.94	21	SCT	250			10.00	80	67	71	65	13	16	29.75	29.85
24	SCT	250			10.00	75	67	70	76	0	00	29.82	29.93	24	BKN	250			10.00	76	68	71	76	5	17	29.77	29.88
SUNRISE: 0521 JUN 02						SUNSET: 1918						SUNRISE: 0520 JUN 08						SUNSET: 1921									
03	SCT	250			10.00	69	66	67	90	0	00	29.81	29.92	03	SCT	250			10.00	73	68	70	84	5	17	29.75	29.86
06	SCT	250			10.00	69	67	68	93	0	00	29.84	29.94	06	SCT	250			10.00	71	68	69	90	6	16	29.76	29.87
09	BKN	250			10.00	83	70	74	65	6	19	29.87	29.98	09	BKN	250			10.00	82	69	73	65	14	16	29.81	29.91
12	BKN	250			10.00	88	69	75	53	3	02	29.84	29.95	12	SCT	250			10.00	88	66	73	48	7	VR	29.80	29.91
15	BKN	250			10.00	87	70	75	57	15	12	29.79	29.90	15	BKN	250			10.00	91	63	72	39	10	21	29.76	29.87
18	OVC	250			10.00	81	69	73	67	13	11	29.78	29.89	18	SCT	250			10.00	88	69	75	53	15	16	29.74	29.85
21	BKN	250			10.00	76	72	73	87	0	00	29.83	29.93	21	BKN	250			10.00	81	70	74	69	8	17	29.78	29.88
24	FEW	250			10.00	76	72	73	87	0	00	29.81	29.92	24	BKN	250			10.00	79	74	76	85	7	17	29.79	29.89
SUNRISE: 0521 JUN 03						SUNSET: 1918						SUNRISE: 0520 JUN 09						SUNSET: 1921									
03	BKN	250			8.00	73	71	72	93	0	00	29.84	29.94	03	BKN	250			10.00	75	73	74	94	0	00	29.79	29.90
06	OVC	027			6.00	74	72	73	94	0	00	29.82	29.93	06	SCT	250			10.00	74	73	73	97	0	00	29.83	29.93
09	BKN	250			10.00	82	73	76	74	0	00	29.83	29.94	09	BKN	250			10.00	86	73	77	65	14	18	29.86	29.97
12	BKN	250			10.00	90	70	76	52	7	20	29.81	29.92	12	BKN	250			10.00	91	70	76	50	8	20	29.84	29.95
15	BKN	150			10.00	78	66	70	67	22	15	29.80	29.91	15	BKN	250			10.00	92	69	76	47	16	17	29.79	29.89
18	BKN	250			10.00	83	67	72	59	8	17	29.77	29.88	18	BKN	250			10.00	88	71	76	57	13	17	29.76	29.86
21	BKN	250			10.00	73	68	70	84	7	11	29.82	29.93	21	SCT	250			10.00	82	73	76	74	8	17	29.80	29.91
24	OVC	075			10.00	73	69	70	87	0	00	29.83	29.93	24	BKN	250			10.00	80	74	76	82	6	16	29.82	29.92
SUNRISE: 0520 JUN 04						SUNSET: 1919						SUNRISE: 0520 JUN 10						SUNSET: 1922									
03	BKN	250			10.00	73	68	70	84	0	00	29.79	29.90	03	SCT	250			10.00	77	74	75	91	0	00	29.81	29.91
06	SCT	070			10.00	71	65	67	81	10	34	29.82	29.93	06	BKN	250			10.00	78	75	76	91	6	17	29.81	29.91
09	BKN	033			10.00	79	62	68	56	13	31	29.84	29.95	09	BKN	250			10.00	87	73	77	63	11	18	29.83	29.94
12	BKN	043			10.00	84	62	70	48	13	33	29.84	29.94	12	BKN	250			10.00	93	71	78	49	14	18	29.79	29.90
15	BKN	046			10.00	85	62	70	46	14	01	29.79	29.90	15	BKN	250			10.00	94	71	78	47	13	18	29.74	29.84
18	FEW	050			10.00	83	63	70	51	14	36	29.78	29.88	18	SCT	250			10.00	89	69	75	52	11	18	29.68	29.79
21	CLR	NC			10.00	74	63	67	69	8	06	29.83	29.93	21	BKN	250			10.00	83	71	75	67	13	17	29.75	29.86
24	FEW	250			10.00	69	64	66	84	0	00	29.85	29.96	24	SCT	250			10.00	80	74	76	82	8	17	29.78	29.88
SUNRISE: 0520 JUN 05						SUNSET: 1919						SUNRISE: 0520 JUN 11						SUNSET: 1922									
03	FEW	250			10.00	68	64	66	87	3	35	29.84	29.94	03	SCT	250			10.00	79	74	76	85	9	17	29.75	29.85
06	FEW	250			10.00	67	63	65	87	0	00	29.85	29.96	06	SCT	250			10.00	79	74	76	85	9	17	29.76	29.87
09	SCT	250			10.00	78	61	67	56	7	VR	29.89	30.00	09	SCT	250			10.00	85	73	77	67	11	18	29.80	29.90
12	SCT	047			10.00	85	61	70	45	7	02	29.88	29.99	12	SCT	250			10.00	92	70	77	49	7	VR	29.78	29.88
15	SCT	250			10.00	89	59	70	36	9	36	29.83	29.93	15	BKN	250			10.00	94	69	77	44	8	16	29.74	29.84
18	SCT	250			10.00	87	60	70	40	8	05	29.78	29.89	18	SCT	250			10.00	91	70	76	50	9	18	29.70	29.81
21	CLR	NC			10.00	76	63	68	64	9	08	29.81	29.92	21	BKN	250			10.00	84	72	76	67	13	17	29.76	29.87
24	BKN	250			10.00	70	63	66	79	0	00	29.82	29.93	24	OVC	250			10.00	81	73	75	77	10	17	29.76	29.86
SUNRISE: 0520 JUN 06						SUNSET: 1920						SUNRISE: 0520 JUN 12						SUNSET: 1922									
03	SCT	250			10.00	67	64	65	90	0	00	29.81	29.92	03	BKN	250			10.00	79	73	75	82	5	17	29.74	29.85
06	CLR	NC			10.00	66	63	64	90	3	04	29.85	29.96	06	BKN	250			10.00	78	74	75	88	3	18	29.79	29.89
09	SCT	250			10.00	81	63	69	54	5	VR	29.89	30.00	09	SCT	250			10.00	86	72	76	63	11	18	29.80	29.91
12	FEW	040			10.00	86	63	71	46	8	13	29.86	29.96	12	FEW	030			10.00	94	67	75	41	10	18	29.78	29.89
15	FEW	050			10.00	89	63	72	42	13	16	29.79	29.90	15	FEW	040			10.00	96	67	76	39	14	18	29.75	29.85
18	FEW	040			10.00	84	66	72	55	15	12	29.77	29.88	18	SCT	250			10.00	91	71	77	52	16	16	29.72	29.83
21	FEW	030			10.00	79	66	71	65	9	18	29.80	29.91	21	BKN	250			10.00	84	72	76	67	10	17	29.77	29.88
24	FEW	250			10.00	73	66	69	79	5	17	29.81	29.92	24	BKN	250			10.00	80	73	75	79	7	16	29.79	29.90

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX JUNE 2009

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																
03	BKN	250			10.00		79	74	76	85	5	18	29.79	29.89	03	FEW	022			10.00		80	74	76	82	6	16	29.80	29.91
06	BKN	250			10.00		79	74	76	85	3	17	29.83	29.93	06	FEW	250			10.00		78	74	75	88	0	00	29.83	29.93
09	SCT	250			10.00		84	72	76	67	10	18	29.87	29.97	09	SCT	250			10.00		88	72	77	59	10	17	29.84	29.94
12	SCT	046			10.00		94	70	77	46	9	18	29.86	29.96	12	SCT	250			10.00		93	69	76	46	9	19	29.80	29.91
15	FEW	060			10.00		96	69	77	42	8	17	29.81	29.92	15	SCT	250			10.00		93	72	78	51	14	12	29.75	29.85
18	SCT	250			10.00		92	72	78	52	11	17	29.78	29.88	18	SCT	250			10.00		91	70	76	50	16	17	29.74	29.84
21	SCT	250			10.00		83	72	75	70	13	17	29.85	29.96	21	FEW	250			10.00		83	71	75	67	8	16	29.79	29.89
24	SCT	250			10.00		79	72	74	79	6	17	29.86	29.97	24	FEW	250			10.00		80	74	76	82	5	17	29.82	29.92
SUNRISE: 0520							JUN 14						SUNSET: 1923																
03	SCT	250			10.00		78	72	74	82	3	18	29.85	29.95	03	FEW	250			10.00		80	74	76	82	3	17	29.81	29.92
06	SCT	250			10.00		75	71	72	87	0	00	29.88	29.98	06	SCT	040			9.00		78	74	75	88	0	00	29.81	29.91
09	SCT	028			10.00		84	71	75	65	10	19	29.89	30.00	09	SCT	250			10.00		88	71	76	57	10	17	29.83	29.93
12	SCT	047			10.00		91	69	76	49	7	VR	29.88	29.98	12	SCT	055			10.00		94	68	76	43	8	19	29.81	29.91
15	FEW	060			10.00		96	67	76	39	10	15	29.82	29.93	15	SCT	065			10.00		96	67	76	39	14	15	29.75	29.86
18	FEW	050			10.00		91	74	79	58	16	12	29.80	29.90	18	FEW	050			10.00		92	66	74	42	15	15	29.73	29.83
21	FEW	040			10.00		83	72	75	70	10	17	29.84	29.94	21	FEW	250			10.00		84	69	74	61	10	15	29.76	29.87
24	FEW	030			10.00		80	73	75	79	6	18	29.86	29.96	24	SCT	250			10.00		81	73	75	77	8	18	29.80	29.90
SUNRISE: 0520							JUN 15						SUNSET: 1924																
03	FEW	020			10.00		78	73	75	85	6	18	29.85	29.95	03	SCT	250			10.00		80	74	76	82	0	00	29.79	29.89
06	SCT	150			10.00		77	73	74	88	0	00	29.86	29.96	06	FEW	250			10.00		77	74	75	91	0	00	29.81	29.91
09	BKN	250			10.00		85	72	76	65	10	19	29.88	29.99	09	SCT	028			10.00		85	72	77	61	6	VR	29.83	29.93
12	SCT	047			10.00		94	70	77	46	8	19	29.85	29.96	12	SCT	050			10.00		93	69	76	46	5	20	29.80	29.91
15	SCT	250			10.00		96	67	76	39	7	17	29.80	29.91	15	SCT	070			10.00		94	68	76	43	9	15	29.73	29.84
18	SCT	250			10.00		92	72	78	52	17	16	29.76	29.87	18	SCT	050			10.00		90	73	78	57	13	16	29.70	29.81
21	FEW	250			10.00		83	72	75	70	11	17	29.79	29.90	21	SCT	250			10.00		85	73	77	67	10	17	29.75	29.86
24	SCT	250			10.00		80	73	75	79	10	18	29.82	29.92	24	SCT	250			10.00		81	75	77	82	6	18	29.77	29.88
SUNRISE: 0520							JUN 16						SUNSET: 1924																
03	SCT	250			10.00		79	73	75	82	7	17	29.80	29.91	03	SCT	250			10.00		80	75	77	85	3	18	29.76	29.86
06	SCT	250			10.00		78	73	75	85	5	16	29.83	29.93	06	SCT	250			9.00		75	73	74	94	0	00	29.77	29.87
09	SCT	033			10.00		87	71	76	59	9	19	29.85	29.96	09	SCT	250			10.00		86	71	76	61	6	VR	29.79	29.90
12	FEW	045			10.00		94	69	77	44	10	20	29.82	29.93	12	BKN	250			10.00		92	69	76	47	3	VR	29.78	29.88
15	FEW	050			10.00		97	67	76	38	13	17	29.78	29.88	15	SCT	080			10.00		97	66	76	36	8	14	29.72	29.83
18	SCT	250			10.00		94	67	75	41	10	19	29.77	29.88	18	SCT	250			10.00		94	71	78	47	15	15	29.69	29.80
21	CLR	NC			10.00		83	72	75	70	14	17	29.83	29.93	21	FEW	250			10.00		86	71	76	61	8	17	29.73	29.83
24	SCT	250			10.00		80	74	76	82	8	17	29.85	29.95	24	FEW	250			10.00		82	73	76	74	5	19	29.74	29.85
SUNRISE: 0520							JUN 17						SUNSET: 1924																
03	SCT	250			10.00		79	74	76	85	8	17	29.85	29.95	03	FEW	250			10.00		79	74	76	85	3	23	29.73	29.84
06	FEW	250			10.00		79	73	75	82	3	17	29.87	29.98	06	SCT	250			10.00		79	75	76	88	0	00	29.75	29.85
09	SCT	250			10.00		86	71	76	61	8	18	29.90	30.01	09	BKN	030			10.00		85	72	76	65	6	25	29.78	29.89
12	SCT	250			10.00		93	69	76	46	6	25	29.89	29.99	12	SCT	055			10.00		95	69	77	43	0	00	29.78	29.88
15	SCT	250			10.00		95	70	77	44	13	12	29.83	29.94	15	SCT	070			10.00		99	66	76	34	5	VR	29.72	29.83
18	SCT	250			10.00		90	73	78	57	15	16	29.80	29.91	18	FEW	070			10.00		96	66	75	37	7	14	29.69	29.79
21	SCT	250			10.00		83	71	75	67	10	17	29.83	29.93	21	CLR	NC			10.00		87	69	75	55	8	18	29.73	29.84
24	SCT	250			10.00		80	74	76	82	3	17	29.83	29.94	24	CLR	NC			10.00		82	71	74	69	6	21	29.74	29.85
SUNRISE: 0520							JUN 18						SUNSET: 1925																
03	SCT	250			10.00		81	75	77	82	6	17	29.84	29.94	03	CLR	NC			10.00		80	74	76	82	3	23	29.75	29.86
06	SCT	250			10.00		80	75	77	85	5	17	29.85	29.95	06	SCT	150			10.00		79	74	76	85	3	26	29.78	29.88
09	SCT	033			10.00		87	72	77	61	9	18	29.87	29.98	09	FEW	250			10.00		89	68	75	50	5	VR	29.79	29.89
12	SCT	049			10.00		94	69	77	44	15	16	29.83	29.93	12	FEW	060			10.00		97	68	77	39	3	VR	29.76	29.86
15	SCT	060			10.00		95	68	76	41	9	18	29.78	29.88	15	SCT	080			10.00		102	66	77	31	0	00	29.70	29.80
18	FEW	050			10.00		91	69	76	49	18	16	29.75	29.85	18	FEW	085			10.00		101	63	75	29	6	21	29.66	29.76
21	SCT	250			10.00		83	73	76	72	9	16	29.78	29.88	21	BKN	250			10.00		92	69	76	47	7	18	29.72	29.82
24	FEW	022			10.00		81	74	76	79	6	18	29.82	29.92	24	BKN	250			10.00		88	68	74	52	7	24	29.74	29.85

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND		PRESSURE (INCHES, HG)				
			Observation Time (LST)	Eff Clد 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)
SUNRISE: 0522						JUN 25		SUNSET: 1926							
03	OVC	250			10.00			85	73	77	67	3	24	29.74	29.84
06	BKN	250			10.00			84	73	76	70	3	25	29.75	29.85
09	SCT	250			10.00			94	71	78	47	7	31	29.77	29.87
12	FEW	060			10.00			99	70	78	39	0	00	29.74	29.84
15	SCT	100			10.00			101	70	79	37	8	18	29.68	29.78
18	BKN	250			10.00			92	73	78	54	8	17	29.68	29.79
21	FEW	250			10.00			82	72	75	72	0	00	29.70	29.81
24	CLR	NC			10.00			81	72	75	74	3	25	29.72	29.83
SUNRISE: 0522						JUN 26		SUNSET: 1926							
03	CLR	NC			10.00			80	73	75	79	0	00	29.72	29.83
06	SCT	250			10.00			79	74	76	85	3	26	29.75	29.85
09	FEW	250			10.00			90	71	77	54	7	32	29.78	29.88
12	SCT	070			10.00			98	65	75	34	7	30	29.74	29.85
15	SCT	085			10.00			100	63	75	30	6	19	29.68	29.79
18	SCT	250			10.00			98	70	78	40	10	17	29.65	29.75
21	FEW	250			10.00			90	69	76	50	5	17	29.68	29.79
24	FEW	250			10.00			84	72	76	67	6	19	29.72	29.83
SUNRISE: 0523						JUN 27		SUNSET: 1926							
03	SCT	250			10.00			82	76	78	82	5	21	29.76	29.86
06	BKN	034			10.00			82	77	78	85	3	23	29.79	29.89
09	SCT	250			10.00			88	74	78	63	8	21	29.80	29.91
12	SCT	055			10.00			94	70	77	46	5	12	29.77	29.87
15	SCT	250			10.00			98	66	76	35	3	VR	29.72	29.82
18	SCT	250			10.00			91	71	77	52	9	18	29.70	29.80
21	SCT	250			10.00			87	73	77	63	6	17	29.74	29.85
24	FEW	250			10.00			83	76	78	80	7	20	29.78	29.89
SUNRISE: 0523						JUN 28		SUNSET: 1926							
03	SCT	250			10.00			81	76	77	85	0	00	29.78	29.88
06	SCT	012			10.00			81	77	78	88	0	00	29.80	29.91
09	SCT	250			10.00			88	75	79	65	0	00	29.83	29.93
12	SCT	250			10.00			95	70	77	44	8	32	29.79	29.90
15	SCT	250			10.00			99	67	77	35	5	29	29.72	29.83
18	SCT	250			10.00			99	65	76	33	0	00	29.66	29.76
21	FEW	250			10.00			90	74	79	59	7	19	29.71	29.81
24	CLR	NC			10.00			85	71	75	63	5	22	29.73	29.84
SUNRISE: 0523						JUN 29		SUNSET: 1926							
03	CLR	NC			10.00			83	73	76	72	8	25	29.71	29.82
06	SCT	250			10.00			81	75	77	82	5	25	29.73	29.83
09	FEW	022			10.00			88	69	75	53	7	28	29.73	29.83
12	CLR	NC			10.00			97	68	77	39	3	VR	29.71	29.81
15	SCT	090			10.00			100	66	76	33	7	17	29.62	29.73
18	BKN	250			10.00		-RA	92	69	76	47	22	03	29.61	29.72
21	OVC	250			10.00			78	73	75	85	3	18	29.69	29.79
24	BKN	250			10.00			79	73	75	82	6	11	29.68	29.78
SUNRISE: 0524						JUN 30		SUNSET: 1926							
03	BKN	250			10.00			79	74	76	85	5	04	29.67	29.77
06	BKN	250			10.00			78	74	75	88	0	00	29.69	29.80
09	BKN	250			10.00			87	73	77	63	3	28	29.72	29.82
12	BKN	120			10.00			92	71	77	50	8	31	29.72	29.82
15	OVC	250			10.00		TS	89	71	76	55	15	03	29.67	29.78
18	BKN	250			10.00			89	69	75	52	7	VR	29.66	29.76
21	BKN	250			10.00			81	71	74	72	3	17	29.68	29.78
24	BKN	250			10.00			80	72	75	77	3	31	29.69	29.79

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND		PRESSURE (INCHES, HG)				
			Observation Time (LST)	Eff Clد 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)

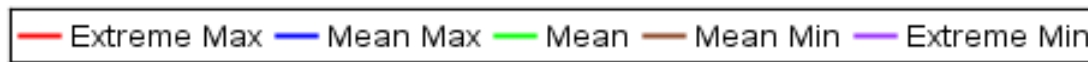
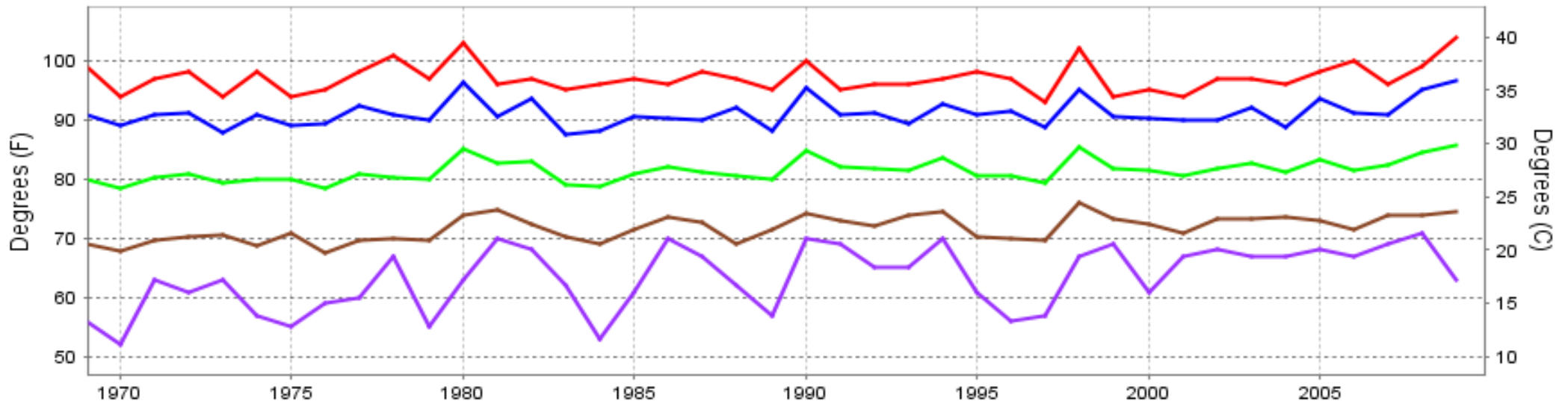
3-HOURLY OBSERVATION NOTES

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

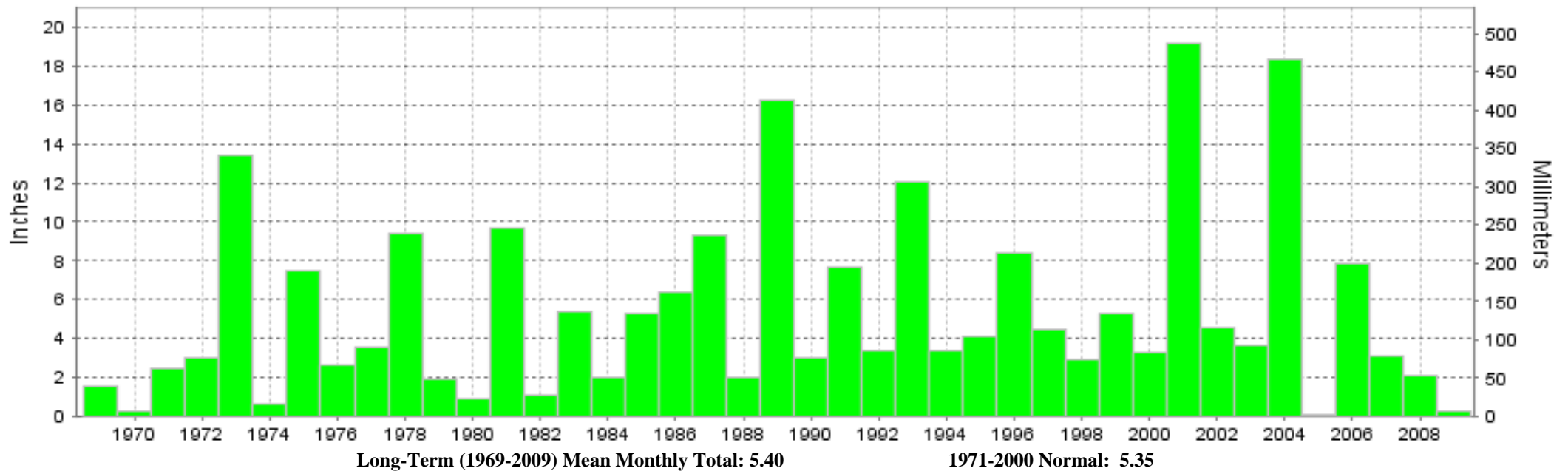
HOUR (LST)	AVERAGES										RESULTANT WIND (MPH)	
	CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (Inches, HG)		VISIBILITY (Miles)	WIND SPEED (MPH)	SPEED	DIRECTION
							STATION	SEA LEVEL				
01			78	71	74	80	29.79	29.90	10.00	5	6	18
02			78	72	74	83	29.79	29.89	9.97	4	7	18
03			77	72	74	84	29.79	29.89	9.93	3	7	18
04			76	72	73	86	29.79	29.89	9.90	3	6	18
05			76	72	73	87	29.80	29.90	9.83	2	8	18
06			76	72	73	87	29.81	29.91	9.77	2	8	18
07			79	72	75	80	29.82	29.92	9.90	6	5	18
08			83	72	75	70	29.83	29.93	10.00	8	5	20
09			85	70	75	61	29.83	29.94	10.00	8	6	19
10			88	69	75	54	29.83	29.93	10.00	8	5	19
11			90	69	75	49	29.82	29.92	10.00	8	6	20
12			92	68	75	46	29.81	29.91	10.00	7	6	19
13			94	67	75	42	29.79	29.89	10.00	8	5	18
14			94	67	75	40	29.77	29.87	10.00	8	6	17
15			94	67	75	42	29.75	29.86	10.00	11	6	14
16			94	67	75	42	29.74	29.85	10.00	10	6	15
17			92	68	76	46	29.73	29.84	10.00	12	8	13
18			90	69	75	50	29.73	29.83	10.00	12	6	14
19			87	69	75	56	29.74	29.85	10.00	12	7	13
20			84	70	74	63	29.75	29.86	10.00	10	6	14
21			82	70	74	68	29.77	29.88	10.00	8	5	15
22			81	71	74	72	29.79	29.89	10.00	6	5	17
23			80	71	74	75	29.79	29.90	10.00	5	6	18
24			79	72	74	78	29.79	29.89	10.00	5	5	18

HOUSTON, TX JUNE Temperatures



Long-Term (1969-2009) Mean: 81.4
 1971-2000 Normal: 81.3

HOUSTON, TX JUNE Precipitation



Long-Term (1969-2009) Mean Monthly Total: 5.40

1971-2000 Normal: 5.35



JUNE 2009
HOUSTON, TX

LOCAL CLIMATOLOGICAL DATA NOAA, National Climatic Data Center

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