



SEPTEMBER 2010 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	92	77	85	3	75	78	0	20	RA	0		0.0	T	29.79	29.91	6.7	11	7.6	23	14	20	14	01	
02	94	77	86	4	75	77	0	21	TS RA	0		0.0	0.05	29.80	29.90	2.6	11	4.5	22	12	17	11	02	
03	86	72	79	-3	73	75	0	14	TS TSRA RA BR	0		0.0	0.30	29.88	30.00	4.4	02	6.0	26	12	23	12	03	
04	88	73	81	-1	70	73	0	16	BR	0		0.0	0.00	29.88	30.00	6.1	06	6.8	20	06	15	06	04	
05	91	69	80	-2	67	72	0	15		0		0.0	0.00	29.79	29.92	6.4	11	7.1	21	12	17	11	05	
06	88	76	82	1	75	76	0	17	TS TSRA RA BR	0		0.0	0.87	29.79	29.90	8.6	11	9.1	43*	14	31*	14	06	
07	81	74	78	-3	76	76	0	13	TS TSRA RA BR	0		0.0	2.56	29.84	29.95	9.5	11	10.6	30	18	22	17	07	
08	92	77	85	5	75	78	0	20		0		0.0	0.00	29.80	29.92	11.3	15	11.5	29	15	23	16	08	
09	94	76	85	5	75	77	0	20	TS	0		0.0	0.00	29.75	29.87	4.9	17	5.5	20	15	15	14	09	
10	94	76	85	5	76	79	0	20		0		0.0	0.00	29.75	29.86	4.7	17	5.6	18	13	16	13	10	
11	95	79	87	7	76	79	0	22		0		0.0	0.00	29.80	29.91	3.2	19	3.9	17	15	15	15	11	
12	96*	78	87*	7	76	78	0	22	RA	0		0.0	T	29.91	30.00	1.2	03	3.3	21	06	16	06	12	
13	94	76	85	6	75	78	0	20		0		0.0	0.00	29.88	30.00	3.8	10	5.6	18	12	14	14	13	
14	94	74	84	5	74	77	0	19	BR	0		0.0	0.00	29.86	29.98	2.6	12	3.5	16	10	12	13	14	
15	93	71	82	3	71	74	0	17	BR	0		0.0	0.00	29.85	29.97	4.8	14	5.1	21	13	16	14	15	
16	94	69	82	3	73	75	0	17		0		0.0	0.00	29.83	29.95	3.0	10	5.0	20	12	16	11	16	
17	92	76	84	5	75	77	0	19		0		0.0	0.00	29.84	29.95	5.1	11	6.9	23	15	18	14	17	
18	87	76	82	4	73	75	0	17		0		0.0	0.00	29.88	29.99	5.0	07	6.4	22	13	17	11	18	
19	88	74	81	3	72	74	0	16	RA	0		0.0	T	29.91	30.02	4.0	06	6.1	24	17	20	10	19	
20	86	74	80	2	71	73	0	15		0		0.0	0.00	29.85	29.98	3.6	12	5.3	30	14	23	17	20	
21	88	72	80	2	72	74	0	15	TSRA RA BR	0		0.0	1.03	29.83	29.94	2.8	12	4.5	22	16	18	16	21	
22	89	74	82	5	73	75	0	17	RA	0		0.0	T	29.85	29.96	8.4	13	9.2	26	14	22	13	22	
23	91	75	83	6	74	76	0	18	RA	0		0.0	T	29.88	29.98	8.7	13	8.9	26	14	23	14	23	
24	92	76	84	7	75	77	0	19		0		0.0	0.00	29.93	30.04	3.2	11	4.1	26	08	21	07	24	
25	93	75	84	7	73	75	0	19	RA	0		0.0	T	29.85	29.96	2.7	01	3.9	29	34	17	35	25	
26	89	69	79	3	67	71	0	14		0		0.0	0.00	29.77	29.89	7.9	35	8.2	26	34	21	34	26	
27	81	60	71	-5	55	61	0	6		0		0.0	0.00	29.82	29.92	7.7	35	8.4	24	03	17	02	27	
28	85	57*	71*	-5	53	60	0	6		0		0.0	0.00	29.73	29.86	2.6	34	3.1	17	33	13	33	28	
29	90	61	76	0	55	63	0	11		0		0.0	0.00	29.65	29.77	2.6	34	3.4	18	01	13	35	29	
30	91	63	77	2	58	65	0	12		0		0.0	0.00	29.78	29.88	4.0	36	4.8	16	04	12	02	30	

90.3	72.5	81.4	☼	70.9	73.9	0.0	16.6	< MONTHLY AVERAGES TOTALS >				0.0	4.81	29.83	29.94	3.0	10	6.1	< MONTHLY AVERAGES			
1.0	4.1	2.5		-----DEPARTURE FROM NORMAL -----								0.48	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									

DEGREE DAYS				GREATEST 24-HR PRECIPITATION : 2.87 DATE : 06-07				SEA LEVEL PRESSURE				DATE TIME			
MONTHLY				SEASON TO DATE				GREATEST 24-HR SNOWFALL : 0.0 DATE :				MAXIMUM : 30.10 24 1058			
TOTAL DEPARTURE				TOTAL DEPARTURE				GREATEST SNOW DEPTH : 0 DATE :				MINIMUM : 29.70 29 1725			
HEATING :		0 -1		0		-1		NUMBER OF ->		MAXIMUM TEMP >= 90 : 18		MINIMUM TEMP <= 32 : 0		PRECIPITATION >= 0.01 INCH : 5	
COOLING :		497 85		3051		444		THUNDERSTORMS : 6		MAXIMUM TEMP <= 32 : 0		MINIMUM TEMP <= 0 : 0		PRECIPITATION >= 0.10 INCH : 4	
										HEAVY FOG : 0				SNOWFALL >= 1.0 INCH : 0	

**SEPTEMBER 2010
HOUSTON, TX**

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

HOUSTON, TX (KIAH)
SEPTEMBER 2010

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		T	T									01	T	T	
02													02					T	0.02	0.03					02	0.05	0.05	
03							0.03	0.22	0.03	T	0.02	T	03												03	0.30	0.30	
04													04												04	0.00	0.00	
05													05												05	0.00	0.00	
06													06		0.46	0.03	0.03	T	0.10	0.04	T	T			06	0.87	0.87	
07			0.01					T		0.17	0.04		07	0.57	0.05	0.04	0.06	T	T	0.02	0.12	0.03	0.03	07	2.56	2.56		
08								0.01		0.60	0.40	0.62	08											08	0.00	0.00		
09													09											09	0.00	0.00		
10													10											10	0.00	0.00		
11													11											11	0.00	0.00		
12													12						T					12	T	T		
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		T	T								19	T	T		
20													20											20	0.00	0.00		
21					0.17	T	0.77	T	T		0.05	0.04	21	T										21	1.03	1.03		
22													22	T										22	T	T		
23	T	T											23											23	T	T		
24													24											24	0.00	0.00		
25													25										T	25	T	T		
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)	0.22	0.37	0.53	0.58	0.65	0.82	1.00	1.00	1.13	1.19	1.56	1.98
Ending Date	21	21	21	21	07	07	07	07	07	07	07	07
Ending Time (Hr/Min)	0616	0618	0619	0623	1014	1019	1019	1019	1250	1308	1213	1223

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 SEPTEMBER 2010

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							3.00	10.00	
02							10.00	10.00	
03							1.00	10.00	
04							6.00	10.00	
05							10.00	10.00	
06							1.00	10.00	
07							0.75	10.00	
08							7.00	10.00	
09							8.00	10.00	
10							8.00	10.00	
11							10.00	10.00	
12							10.00	10.00	
13							10.00	10.00	
14							5.00	10.00	
15							5.00	10.00	
16							9.00	10.00	
17							8.00	10.00	
18							9.00	10.00	
19							9.00	10.00	
20							9.00	10.00	
21							6.00	10.00	
22							7.00	10.00	
23							10.00	10.00	
24							8.00	10.00	
25							9.00	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							7.63	10.00	
SUNSHINE (Minutes)									
Total : 0					Possible : 22224				
Percent Possible : 0									
NUMBER OF DAYS WITH :									
SKY CONDITION									
Clear		Partly CLDY			Cloudy			Missing	
MINIMUM VISIBILITY (MILES)									
<= .25			<= 3.0				>= 7.0		
0			4				22		

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX

SEPTEMBER 2010

KIAH

WBAN # 12960

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			WIND RELATIVE HUMIDITY (PCT)	PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			WIND RELATIVE HUMIDITY (PCT)	PRESSURE (INCHES, HG)																	
			Observation Time (LST)	Eff Cld Amt Oktas			DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg				STATION	SEA LEVEL			Observation Time (LST)	Eff Cld Amt Oktas	DRY BULB		DEW POINT	WET BULB	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL												
SUNRISE: 0558							SEP 01							SUNSET: 1845							SUNRISE: 0602							SEP 07							SUNSET: 1838						
03	SCT	250			10.00		77	76	76	97	0	00	29.83	29.94	03	OVC	100			8.00		79	78	78	97	8	10	29.80	29.90												
06	BKN	250			10.00		77	76	76	97	0	00	29.85	29.95	06	OVC	130			8.00		79	78	78	97	8	08	29.81	29.92												
09	SCT	250			10.00		83	77	79	82	6	08	29.85	29.95	09	BKN	055			7.00		81	79	80	94	11	09	29.85	29.96												
12	BKN	042			10.00		91	74	79	58	8	10	29.81	29.91	12	OVC	110			0.75	TS+RA BR	76	73	74	90	7	16	29.90	30.01												
15	BKN	250			10.00		89	74	78	61	15	14	29.75	29.86	15	BKN	110			4.00		77	75	76	94	13	10	29.83	29.94												
18	SCT	250			10.00		87	73	77	63	15	12	29.74	29.85	18	BKN	110			10.00		78	76	77	94	15	10	29.82	29.93												
21	SCT	250			10.00		82	75	77	79	6	15	29.78	29.89	21	BKN	250			10.00		76	75	75	97	9	11	29.86	29.97												
24	SCT	250			10.00		79	76	77	91	5	12	29.79	29.89	24	BKN	110			10.00		77	76	76	97	10	10	29.86	29.96												
SUNRISE: 0559							SEP 02							SUNSET: 1844							SUNRISE: 0602							SEP 08							SUNSET: 1837						
03	BKN	250			10.00		78	76	77	94	5	11	29.76	29.86	03	BKN	130			10.00		80	76	77	88	8	14	29.83	29.94												
06	BKN	250			10.00		78	75	76	91	0	00	29.78	29.89	06	SCT	050			8.00		80	76	77	88	11	14	29.84	29.95												
09	SCT	250			10.00		86	77	80	75	7	11	29.80	29.91	09	OVC	250			10.00		85	76	79	75	14	15	29.83	29.94												
12	SCT	250			10.00		92	71	77	50	8	16	29.80	29.90	12	BKN	250			10.00		91	74	79	58	18	15	29.83	29.93												
15	BKN	250			10.00		93	75	80	56	11	08	29.76	29.86	15	BKN	250			10.00		90	73	78	57	15	15	29.79	29.89												
18	BKN	140			10.00		80	75	77	85	3	32	29.80	29.91	18	BKN	250			10.00		86	75	78	70	9	16	29.77	29.88												
21	BKN	250			10.00		79	76	77	91	0	00	29.81	29.92	21	SCT	250			10.00		82	76	78	82	7	17	29.80	29.91												
24	BKN	250			10.00		78	76	77	94	0	00	29.85	29.95	24	BKN	250			10.00		80	76	77	88	7	16	29.80	29.91												
SUNRISE: 0559							SEP 03							SUNSET: 1843							SUNRISE: 0603							SEP 09							SUNSET: 1836						
03	BKN	250			9.00		79	77	78	94	5	01	29.85	29.95	03	BKN	250			9.00		78	76	77	94	0	00	29.79	29.89												
06	BKN	110			10.00		78	76	77	94	5	05	29.88	29.99	06	SCT	250			8.00		76	75	75	97	0	00	29.80	29.90												
09	OVC	250			10.00	-RA	78	74	75	88	0	00	29.92	30.03	09	BKN	250			10.00		86	75	78	70	9	21	29.82	29.92												
12	OVC	110			10.00		80	73	75	79	8	02	29.91	30.01	12	BKN	250			10.00		92	73	78	54	7	VR	29.79	29.90												
15	SCT	150			10.00		85	72	76	65	7	01	29.87	29.98	15	OVC	250			10.00		93	71	78	49	10	14	29.72	29.83												
18	BKN	250			10.00		84	75	78	74	6	VR	29.87	29.98	18	OVC	250			10.00		88	75	79	65	11	16	29.70	29.80												
21	BKN	250			10.00		77	72	74	85	6	35	29.93	30.03	21	SCT	250			10.00		83	75	77	77	6	17	29.73	29.83												
24	BKN	250			10.00		76	73	74	90	5	32	29.93	30.03	24	BKN	250			10.00		81	76	77	85	3	18	29.75	29.85												
SUNRISE: 0560							SEP 04							SUNSET: 1842							SUNRISE: 0603							SEP 10							SUNSET: 1834						
03	BKN	250			7.00		75	73	74	94	3	03	29.91	30.01	03	SCT	250			10.00		79	76	77	91	3	17	29.73	29.84												
06	BKN	250			6.00	BR	74	72	73	94	5	02	29.92	30.02	06	SCT	250			8.00		77	76	76	97	3	17	29.76	29.86												
09	OVC	100			10.00		77	71	73	82	10	06	29.94	30.05	09	SCT	250			10.00		86	76	79	72	6	18	29.79	29.90												
12	BKN	070			10.00		84	66	72	55	10	06	29.93	30.03	12	SCT	041			10.00		92	74	79	56	9	19	29.78	29.88												
15	BKN	250			10.00		80	67	71	65	8	08	29.87	29.98	15	BKN	250			10.00		93	74	79	54	6	18	29.71	29.82												
18	BKN	250			10.00		79	66	71	65	13	06	29.85	29.96	18	SCT	250			10.00		88	78	81	72	13	14	29.69	29.80												
21	SCT	250			10.00		76	68	71	76	7	05	29.88	29.99	21	SCT	250			10.00		85	76	79	75	6	17	29.76	29.87												
24	SCT	250			10.00		73	68	70	84	0	00	29.86	29.96	24	FEW	250			10.00		82	77	78	85	6	19	29.77	29.88												
SUNRISE: 0600							SEP 05							SUNSET: 1841							SUNRISE: 0604							SEP 11							SUNSET: 1833						
03	CLR	NC			10.00		71	66	68	84	0	00	29.82	29.93	03	SCT	250			10.00		80	77	78	91	5	17	29.76	29.87												
06	FEW	080			10.00		70	65	67	84	0	00	29.84	29.94	06	FEW	250			10.00		79	77	78	94	0	00	29.79	29.90												
09	CLR	NC			10.00		82	64	70	55	9	09	29.86	29.97	09	SCT	250			10.00		85	76	79	75	7	26	29.84	29.94												
12	FEW	055			10.00		88	64	72	45	13	10	29.83	29.94	12	SCT	250			10.00		92	74	79	56	8	20	29.83	29.93												
15	SCT	055			10.00		91	67	75	45	9	12	29.76	29.87	15	SCT	250			10.00		95	73	79	49	0	00	29.78	29.88												
18	SCT	050			10.00		86	68	74	55	11	11	29.74	29.85	18	SCT	250			10.00		90	76	80	64	10	16	29.77	29.88												
21	FEW	040			10.00		80	71	74	74	8	12	29.79	29.89	21	SCT	250			10.00		85	76	79	75	3	18	29.84	29.95												
24	SCT	040			10.00		77	73	74	88	5	13	29.78	29.88	24	SCT	250			10.00		82	77	78	85	5	19	29.84	29.95												
SUNRISE: 0601							SEP 06							SUNSET: 1839							SUNRISE: 0604							SEP 12							SUNSET: 1832						
03	SCT	250			10.00		76	74	75	94	7	09	29.75	29.86	03	FEW	250			10.00		79	77	78	94	0	00	29.87	29.98												
06	SCT	250			10.00		76	74	75	94	9	09	29.76	29.86	06	SCT	250			10.00		78	77	77	97	0	00	29.91	30.01												
09	SCT	250			10.00		85	76	79	75	11	12	29.80	29.90	09	SCT	250			10.00		87	78	80	75	3	30	29.94	30.05												
12	BKN	090			10.00		84	75	78	74	17	11	29.81	29.92	12	SCT	250			10.00		93	76	81	58	0	00	29.93	30.03												
15	BKN	080			10.00		77	75	76	94	0	00	29.80	29.91	15	BKN	250			10.00		94	73	79	51	0	00	29.86	29.96												
18	OVC	043			1.00	RA BR	78	75	76	91	32	13	29.80	29.91	18	BKN	250			10.00		84	74	77	72	3	03	29.90	30.01												
21	OVC	250			10.00		77	75	76	94	6	12	29.81	29.91	21	SCT	250			10.00		80	76	77	88	3	06	29.90	30.01												
24	OVC	200			10.00		79	77	78	94	10	10	29.81	29.91	24	SCT	250			10.00		78	76	77	94	5	06	29.91	30.01												

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX SEPTEMBER 2010

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	
																												SEP 13
03	SCT	250				77	75	76	94	5	01	29.91	30.01	03	OVC	250				76	73	74	90	5	02	29.88	29.98	
06	SCT	250				77	74	75	91	5	04	29.92	30.03	06	BKN	250				77	73	74	88	7	03	29.90	30.01	
09	SCT	250				86	72	76	63	6	07	29.95	30.06	09	OVC	250				81	75	77	82	9	06	29.94	30.05	
12	SCT	250				91	73	78	56	9	07	29.92	30.02	12	OVC	250				87	74	78	65	11	09	29.95	30.05	
15	BKN	250				93	75	80	56	5	VR	29.86	29.97	15	OVC	250				79	68	72	69	5	19	29.93	30.03	
18	BKN	250				87	76	79	70	14	13	29.85	29.95	18	OVC	250				78	71	73	79	0	00	29.92	30.03	
21	BKN	250				82	77	78	85	3	17	29.88	29.99	21	BKN	250				75	70	72	85	0	00	29.91	30.02	
24	SCT	250				79	76	77	91	3	19	29.88	29.98	24	SCT	130				75	71	72	87	0	00	29.87	29.98	
			SUNRISE: 0605			SEP 14			SUNSET: 1830						SUNRISE: 0609			SEP 20			SUNSET: 1822							
03	FEW	250				76	74	75	94	0	00	29.88	29.98	03	BKN	250				74	71	72	90	3	35	29.87	29.98	
06	SCT	250			BR	75	74	74	97	3	02	29.89	29.99	06	BKN	250				74	70	71	87	0	00	29.89	30.00	
09	SCT	250				84	77	79	80	6	12	29.92	30.03	09	OVC	250				76	71	73	85	6	07	29.91	30.02	
12	BKN	250				89	73	78	59	0	00	29.90	30.00	12	OVC	250				83	71	75	67	7	11	29.91	30.01	
15	SCT	250				93	73	79	52	9	11	29.83	29.93	15	BKN	110				85	65	72	51	7	18	29.84	29.95	
18	SCT	250				88	72	77	59	8	12	29.82	29.93	18	BKN	250				81	72	75	74	8	11	29.82	29.93	
21	FEW	250				82	74	76	77	3	19	29.88	29.99	21	SCT	150				77	73	74	88	6	12	29.84	29.95	
24	FEW	250				77	74	75	91	0	00	29.88	29.98	24	BKN	250				76	73	74	90	0	00	29.82	29.93	
			SUNRISE: 0606			SEP 15			SUNSET: 1828						SUNRISE: 0609			SEP 21			SUNSET: 1821							
03	FEW	250				74	72	73	94	0	00	29.85	29.95	03	BKN	250				76	74	75	94	0	00	29.81	29.92	
06	FEW	250			BR	73	72	72	97	0	00	29.87	29.98	06	OVC	060			-RA	74	72	73	94	0	00	29.84	29.95	
09	SCT	250				84	75	78	74	3	18	29.91	30.01	09	BKN	120				81	71	74	72	5	VR	29.87	29.97	
12	FEW	030				91	70	76	50	5	17	29.89	30.00	12	BKN	100				76	71	73	85	0	00	29.87	29.98	
15	SCT	250				91	70	76	50	13	12	29.83	29.93	15	BKN	120				87	72	77	61	6	15	29.80	29.91	
18	FEW	250				85	67	73	55	15	13	29.81	29.92	18	SCT	250				82	73	76	74	11	12	29.79	29.90	
21	FEW	250				78	67	71	69	5	17	29.85	29.95	21	SCT	250				77	72	74	85	5	13	29.81	29.92	
24	FEW	250				72	68	69	87	0	00	29.85	29.96	24	SCT	250				75	73	74	94	0	00	29.83	29.93	
			SUNRISE: 0606			SEP 16			SUNSET: 1827						SUNRISE: 0610			SEP 22			SUNSET: 1820							
03	FEW	250				70	68	69	93	5	33	29.84	29.95	03	SCT	250				74	73	73	97	3	03	29.82	29.93	
06	FEW	250				69	67	68	93	0	00	29.84	29.95	06	SCT	250				75	73	74	94	6	10	29.85	29.96	
09	SCT	250				79	71	74	77	7	02	29.90	30.01	09	SCT	130				84	75	78	74	11	12	29.89	30.00	
12	SCT	032				89	73	78	59	5	36	29.86	29.96	12	SCT	250				88	71	76	57	7	15	29.88	29.99	
15	SCT	250				94	73	79	51	5	VR	29.79	29.90	15	SCT	250				88	72	77	59	16	12	29.84	29.94	
18	SCT	250				85	75	78	72	9	11	29.79	29.90	18	SCT	090				83	73	76	72	15	14	29.84	29.94	
21	CLR	NC				81	77	78	88	7	12	29.84	29.95	21	SCT	250				78	72	74	82	7	14	29.87	29.98	
24	SCT	250				79	77	78	94	3	10	29.85	29.95	24	SCT	150				77	74	75	91	5	12	29.88	29.99	
			SUNRISE: 0607			SEP 17			SUNSET: 1826						SUNRISE: 0610			SEP 23			SUNSET: 1818							
03	SCT	250				77	76	76	97	3	11	29.82	29.92	03	SCT	050				75	73	74	94	3	13	29.86	29.97	
06	SCT	250				77	75	76	94	5	01	29.82	29.93	06	SCT	090				76	74	75	94	6	12	29.87	29.98	
09	SCT	250				85	76	79	75	9	07	29.87	29.98	09	SCT	035				85	77	79	77	11	14	29.90	30.00	
12	SCT	250				91	75	79	60	9	08	29.86	29.97	12	SCT	040				90	74	79	59	15	12	29.89	30.00	
15	OVC	250				87	75	78	68	10	13	29.83	29.93	15	SCT	065				90	74	79	59	15	15	29.85	29.95	
18	OVC	250				83	75	77	77	13	13	29.84	29.95	18	SCT	120				84	71	75	65	11	13	29.85	29.96	
21	BKN	250				78	74	75	88	0	00	29.88	29.99	21	CLR	NC				79	74	76	85	0	00	29.90	30.01	
24	BKN	250				78	75	76	91	5	06	29.86	29.97	24	FEW	025				76	75	75	97	3	11	29.92	30.02	
			SUNRISE: 0607			SEP 18			SUNSET: 1825						SUNRISE: 0611			SEP 24			SUNSET: 1817							
03	SCT	250				77	74	75	91	6	02	29.85	29.96	03	FEW	025				76	75	75	97	3	13	29.90	30.00	
06	SCT	250				76	74	75	94	7	04	29.86	29.97	06	SCT	040				76	74	75	94	5	02	29.93	30.04	
09	BKN	250				83	75	77	77	13	06	29.92	30.02	09	SCT	028				84	77	79	80	0	00	29.98	30.09	
12	BKN	250				85	71	75	63	8	08	29.90	30.01	12	SCT	100				90	74	79	59	7	VR	29.97	30.07	
15	OVC	250				86	71	76	61	11	11	29.87	29.98	15	BKN	070				84	73	76	70	13	09	29.92	30.03	
18	OVC	250				79	72	74	79	0	00	29.89	29.99	18	SCT	250				83	73	76	72	7	12	29.89	30.00	
21	BKN	250				77	73	74	88	3	02	29.92	30.03	21	FEW	110				78	74	75	88	0	00	29.94	30.04	
24	BKN	250				77	73	74	88	0	00	29.91	30.01	24	CLR	NC				77	75	76	94	0	00	29.94	30.05	

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX SEPTEMBER 2010

KIAH

WBAN # 12960

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			WIND		PRESSURE (INCHES, HG)		
			Observation Time (LST)	Eff Cld Amt Oktas			DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
<div style="display: flex; justify-content: space-between;"> SUNRISE: 0611 SEP 25 SUNSET: 1816 </div>														
03	FEW	250			10.00		75	73	74	94	3	34	29.92	30.02
06	FEW	250			9.00		75	73	74	94	3	33	29.90	30.01
09	FEW	020			10.00		83	75	77	77	6	VR	29.92	30.02
12	SCT	055			10.00		90	72	77	56	5	06	29.90	30.00
15	SCT	130			10.00		92	70	77	49	0	00	29.80	29.91
18	BKN	250			10.00		83	73	76	72	16	35	29.78	29.89
21	SCT	250			10.00		79	73	75	82	6	01	29.82	29.93
24	BKN	045			10.00		78	72	74	82	6	36	29.82	29.93
<div style="display: flex; justify-content: space-between;"> SUNRISE: 0612 SEP 26 SUNSET: 1815 </div>														
03	BKN	110			10.00		76	72	73	87	0	00	29.77	29.88
06	BKN	110			10.00		73	70	71	90	0	00	29.79	29.90
09	BKN	100			10.00		76	70	72	82	10	34	29.81	29.91
12	BKN	250			10.00		83	68	73	61	9	32	29.80	29.90
15	SCT	250			10.00		88	63	72	43	9	02	29.72	29.83
18	SCT	250			10.00		83	65	71	55	7	31	29.72	29.82
21	SCT	250			10.00		73	64	67	74	16	35	29.79	29.90
24	SCT	250			10.00		70	61	64	73	10	35	29.79	29.90
<div style="display: flex; justify-content: space-between;"> SUNRISE: 0612 SEP 27 SUNSET: 1813 </div>														
03	BKN	250			10.00		64	57	60	78	10	34	29.78	29.89
06	SCT	250			10.00		61	55	58	81	10	36	29.82	29.93
09	FEW	100			10.00		70	56	62	61	9	02	29.86	29.97
12	FEW	040			10.00		77	55	64	47	11	02	29.86	29.96
15	CLR	NC			10.00		80	51	63	37	10	35	29.80	29.91
18	FEW	250			10.00		75	53	62	46	7	32	29.79	29.90
21	CLR	NC			10.00		68	54	60	61	7	33	29.81	29.92
24	CLR	NC			10.00		63	53	57	70	3	35	29.81	29.92
<div style="display: flex; justify-content: space-between;"> SUNRISE: 0613 SEP 28 SUNSET: 1812 </div>														
03	CLR	NC			10.00		60	52	56	75	0	00	29.81	29.92
06	CLR	NC			10.00		58	53	55	84	3	31	29.82	29.93
09	CLR	NC			10.00		70	55	61	59	3	04	29.83	29.94
12	FEW	250			10.00		80	54	64	41	5	29	29.79	29.90
15	CLR	NC			10.00		84	51	64	32	7	01	29.69	29.80
18	CLR	NC			10.00		80	49	62	34	0	00	29.67	29.78
21	CLR	NC			10.00		67	55	60	66	0	00	29.69	29.80
24	CLR	NC			10.00		65	54	59	68	3	31	29.68	29.79
<div style="display: flex; justify-content: space-between;"> SUNRISE: 0614 SEP 29 SUNSET: 1811 </div>														
03	CLR	NC			10.00		63	55	58	75	3	31	29.66	29.77
06	CLR	NC			10.00		62	55	58	78	0	00	29.68	29.78
09	CLR	NC			10.00		76	60	66	58	5	VR	29.70	29.81
12	FEW	040			10.00		85	57	68	39	7	VR	29.66	29.77
15	CLR	NC			10.00		88	52	66	29	10	35	29.59	29.70
18	CLR	NC			10.00		83	50	64	32	5	04	29.60	29.71
21	CLR	NC			10.00		71	57	63	61	0	00	29.66	29.77
24	CLR	NC			10.00		69	57	62	66	7	33	29.67	29.78
<div style="display: flex; justify-content: space-between;"> SUNRISE: 0614 SEP 30 SUNSET: 1810 </div>														
03	CLR	NC			10.00		67	56	61	68	5	35	29.68	29.79
06	CLR	NC			10.00		63	57	60	81	0	00	29.74	29.85
09	CLR	NC			10.00		76	59	66	56	6	VR	29.81	29.91
12	CLR	NC			10.00		86	57	68	37	9	02	29.81	29.91
15	CLR	NC			10.00		90	56	69	32	7	02	29.76	29.87
18	CLR	NC			10.00		85	56	67	37	0	00	29.78	29.88
21	CLR	NC			10.00		73	61	66	66	3	30	29.83	29.93
24	CLR	NC			10.00		72	58	64	62	6	34	29.85	29.96

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

3-HOURLY OBSERVATION NOTES

Sky Cover is the amount of the sky obscured. CLR or SKC = 0, FEW = 1/8-2/8, SCT = 3/8-4/8, BKN = 5/8-7/8, OVC = 8/8, W = Vertical Visibility = 8/8

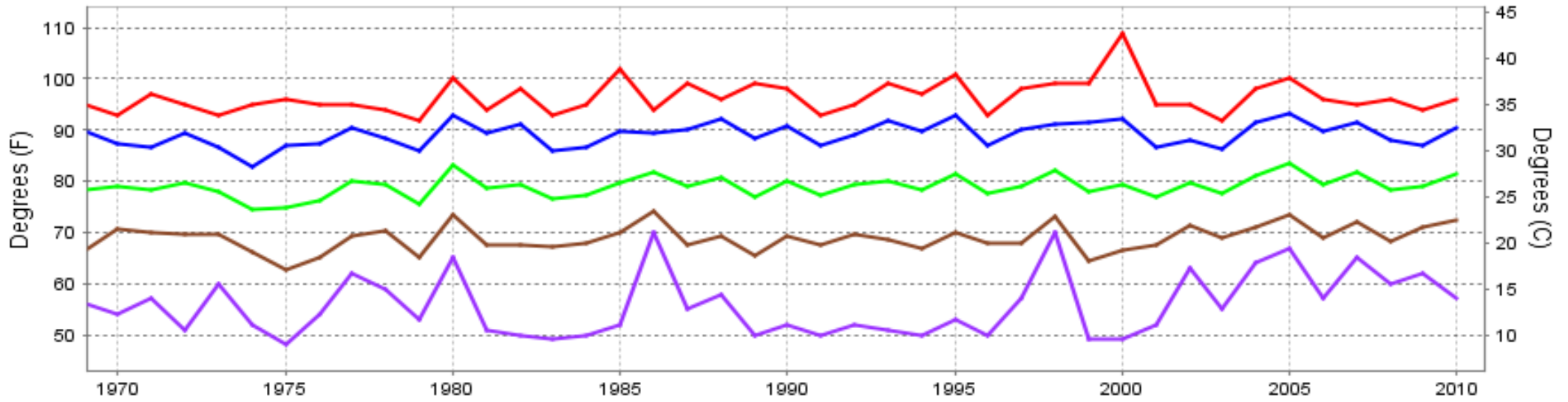
Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet. NC = No Ceiling detected.

& = Original observation contained additional weather elements.
See page 3 for additional notes.

SUMMARY BY HOUR

HOUR (LST)	AVERAGES										RESULTANT WIND (MPH)	
	CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (Inches, HG)		VISIBILITY (Miles)	WIND SPEED (MPH)	SPEED	DIRECTION
							STATION	SEA LEVEL				
01			76	72	74	89	29.83	29.94	9.86	4	2	08
02			75	72	73	89	29.82	29.93	9.73	3	2	08
03			75	72	73	90	29.82	29.93	9.63	3	1	08
04			74	71	72	91	29.82	29.92	9.43	3	2	08
05			74	71	72	91	29.83	29.93	9.23	3	2	08
06			74	71	72	92	29.84	29.95	8.97	3	3	08
07			75	72	73	90	29.85	29.96	8.77	5	4	09
08			78	72	74	83	29.86	29.97	9.60	7	4	09
09			81	72	75	74	29.87	29.98	9.87	7	4	09
10			84	72	76	67	29.88	29.99	9.45	9	5	09
11			85	71	75	63	29.87	29.98	9.80	9	4	09
12			87	70	75	58	29.86	29.96	9.69	8	5	09
13			88	70	76	57	29.84	29.94	9.70	9	6	09
14			88	69	75	57	29.82	29.92	9.57	8	4	09
15			88	69	75	56	29.80	29.91	9.80	8	6	09
16			87	69	75	58		29.90	9.93	10	5	09
17			86	70	75	61	29.79	29.90	10.00	9	5	09
18			83	70	75	66	29.80	29.90	9.70	10	7	09
19			80	71	74	73	29.81	29.91	9.90	7	5	09
20			79	71	74	77	29.82	29.93	10.00	6	3	09
21			78	71	73	80	29.83	29.94	10.00	5	2	08
22			77	71	73	83	29.84	29.95	10.00	4	2	08
23			76	71	73	85	29.84	29.95	10.00	4	1	08
24			76	71	73	86	29.84	29.94	10.00	4	2	08

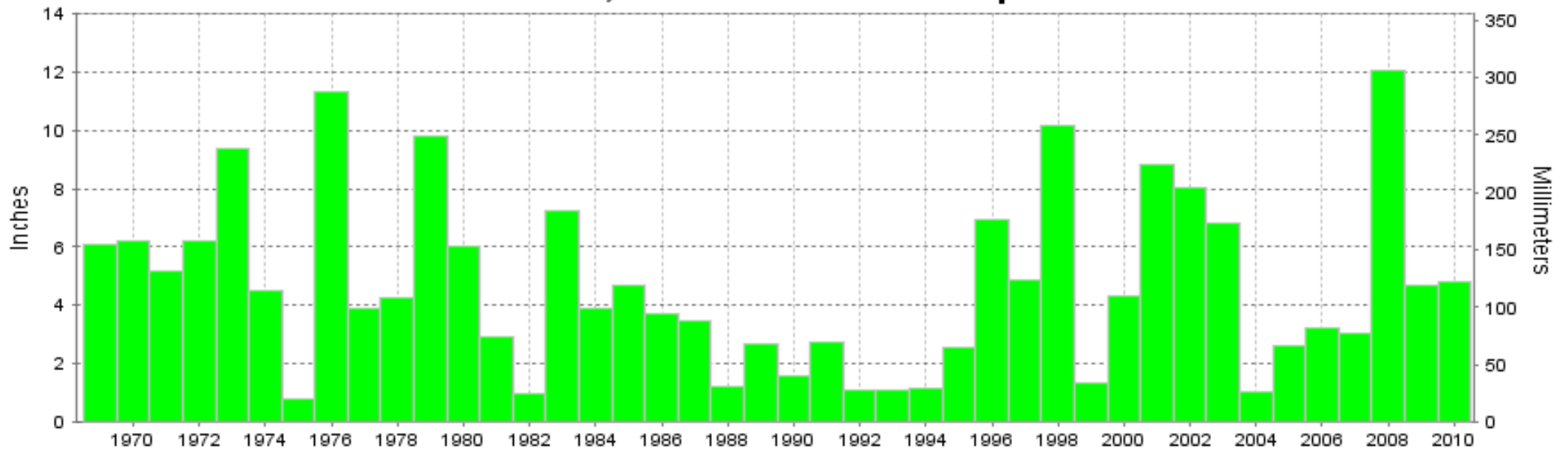
HOUSTON, TX SEPTEMBER Temperatures



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

Long-Term (1969-2010) Mean: 79.0
1971-2000 Normal: 78.9

HOUSTON, TX SEPTEMBER Precipitation



Long-Term (1969-2010) Mean Monthly Total: 4.70

1971-2000 Normal: 4.33



SEPTEMBER 2010
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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