



OCTOBER 2011 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 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	86	56	71	-4	43	56	0	6		0		0.0	0.00	30.01	30.13	4.1	05	5.3	24	36	17	08	01	
02	87	54	71	-4	46	57	0	6		0		0.0	0.00	30.06	30.16	3.0	07	4.3	18	04	14	14	02	
03	85	55	70	-5	47	57	0	5		0		0.0	0.00	30.07	30.18	3.5	11	4.8	18	11	15	14	03	
04	85	54	70	-4	54	61	0	5		0		0.0	0.00	30.04	30.17	4.1	13	4.9	18	13	15	13	04	
05	87	56	72	-2	59	64	0	7		0		0.0	0.00	29.96	30.09	5.9	13	7.0	21	14	17	14	05	
06	91	64	78	5	66	70	0	13		0		0.0	0.00	29.90	30.02	11.5	12	12.7	32	14	28	15	06	
07	90	71	81	8	68	72	0	16		0		0.0	0.00	29.93	30.04	13.4	12	13.9	30	14	26	14	07	
08	91*	70	81*	8	69	72	0	16	RA HZ	0		0.0	T	29.88	30.00	14.5	11	15.0	31	13	26	15	08	
09	76	66	71	-2	67	68	0	6	TSRA RA FG BR	0		0.0	3.02	29.85	29.97	5.2	07	8.3	28	31	24	31	09	
10	86	68	77	5	66	69	0	12		0		0.0	0.00	29.83	29.95	3.0	04	4.4	17	10	13	05	10	
11	89	65	77	5	63	68	0	12		0		0.0	0.00	29.75	29.88	0.9	18	2.1	14	17	9	19	11	
12	87	65	76	4	67	70	0	11	BR	0		0.0	0.00	29.69	29.81	2.0	18	3.5	18	34	14	34	12	
13	87	64	76	5	53	62	0	11	RA	0		0.0	0.01	29.78	29.88	6.4	33	6.9	24	35	18	34	13	
14	86	56	71	0	49	59	0	6		0		0.0	0.00	29.85	29.96	1.6	15	2.9	22	03	12	13	14	
15	87	58	73	2	58	63	0	8		0		0.0	0.00	29.93	30.04	2.6	14	3.2	16	14	14	14	15	
16	87	58	73	3	63	66	0	8	MIFG	0		0.0	0.00	29.91	30.03	2.9	14	4.2	18	16	14	15	16	
17	88	63	76	6	65	69	0	11	FG MIFG BR	0		0.0	0.00	29.71	29.86	5.1	17	5.9	21	13	15	16	17	
18	74	56	65	-5	47	57	0	0	RA	0		0.0	0.01	29.80	29.90	14.3	33	15.2	39*	33	32*	33	18	
19	73	51	62	-8	34	49	3	0		0		0.0	0.00	29.95	30.04	10.6	32	11.0	35	34	24	32	19	
20	77	44	61	-8	38	50	4	0		0		0.0	0.00	29.98	30.10	2.3	15	3.2	18	14	16	15	20	
21	84	55	70	1	58	63	0	5		0		0.0	0.00	30.00	30.12	6.3	13	6.9	22	12	16	12	21	
22	85	58	72	4	59	64	0	7		0		0.0	0.00	29.93	30.06	6.5	16	6.7	23	16	17	16	22	
23	85	63	74	6	63	67	0	9	RA	0		0.0	0.01	29.91	30.02	1.8	19	3.6	23	21	14	21	23	
24	88	65	77	9	64	68	0	12		0		0.0	0.00	30.01	30.12	2.2	21	4.0	17	26	13	17	24	
25	86	67	77	10	67	70	0	12	BR	0		0.0	0.00	29.96	30.08	7.3	16	7.5	21	16	17	14	25	
26	86	64	75	8	65	69	0	10		0		0.0	0.00	29.80	29.94	7.7	17	7.9	22	15	18	14	26	
27	87	57	72	5	65	67	0	7	RA BR	0		0.0	0.22	29.78	29.88	3.9	33	6.3	29	31	21	32	27	
28	62	50	56	-10	47	52	9	0	RA	0		0.0	0.09	30.06	30.14	12.4	35	12.7	31	36	25	36	28	
29	68	44	56*	-10	39	47	9	0		0		0.0	0.00	30.09	30.22	0.8	34	2.1	24	09	9	33	29	
30	73	44*	59	-7	44	51	6	0		0		0.0	0.00	30.04	30.17	1.6	11	2.4	14	11	10	10	30	
31	77	48	63	-3	48	54	2	0	BR	0		0.0	0.00	30.06	30.18	1.5	16	1.8	14	15	10	05	31	

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83.2			58.4			70.8			☼	56.2			62.3			1.1		7.1		< MONTHLY AVERAGES TOTALS >				0.0		3.36		29.92		30.04		1.9		11		6.5		< MONTHLY AVERAGES			
1.2			-0.4			0.4				<----- DEPARTURE FROM NORMAL ----->												-1.14		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3																	
DEGREE DAYS										GREATEST 24-HR PRECIPITATION : 3.02 DATE : 09										SEA LEVEL PRESSURE				DATE TIME																	
MONTHLY					SEASON TO DATE					GREATEST 24-HR SNOWFALL : 0.0 DATE :					MAXIMUM : 30.33				29 0948																						
TOTAL DEPARTURE					TOTAL DEPARTURE					GREATEST SNOW DEPTH : 0 DATE :					MINIMUM : 29.72				17 2353																						
HEATING :		33		-4		33		-5		NUMBER OF		MAXIMUM TEMP >= 90 :		3		MINIMUM TEMP <= 32 :		0		PRECIPITATION >= 0.01 INCH :		6																			
COOLING :		221		25		3823		1020		DAYS WITH		MAXIMUM TEMP <= 32 :		0		MINIMUM TEMP <= 0 :		0		PRECIPITATION >= 0.10 INCH :		2																			
										THUNDERSTORMS :		1		HEAVY FOG		:		0		SNOWFALL >= 1.0 INCH		:		0																	

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

HOUSTON, TX (KIAH)
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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		T										08	T	T	
09													09	0.88	0.72	0.32	0.36	0.18	0.04	0.01	0.01				09	3.02	3.02	
10													10												10	0.00	0.00	
11													11												11	0.00	0.00	
12	0.01												12												12	0.00	0.00	
13													13												13	0.01	0.01	
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				T	0.01								18												18	0.01	0.01	
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	0.01	0.01	
24													24												24	0.00	0.00	
25													25												25	0.00	0.00	
26													26												26	0.00	0.00	
27													27			T	T	T		0.02	0.14	0.03	T	0.03	27	0.22	0.22	
28	0.09	T	T			T							28												28	0.09	0.09	
29													29												29	0.00	0.00	
30													30												30	0.00	0.00	
31													31												31	0.00	0.00	

* Indicates sum of Hourly and Daily disagree.

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	0.31	0.56	0.66	0.73	0.80	0.87	1.11	1.29	1.49	1.62	1.84	2.02
Ending Date	09	09	09	09	09	09	09	09	09	09	09	09
Ending Time (Hr/Min)	1236	1240	1240	1243	1243	1243	1326	1329	1402	1402	1430	1521

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

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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							10.00	10.00	
04							10.00	10.00	
05							10.00	10.00	
06							9.00	10.00	
07							10.00	10.00	
08							3.00	10.00	
09							2.50	10.00	
10							8.00	10.00	
11							10.00	10.00	
12							5.00	10.00	
13							8.00	10.00	
14							8.00	10.00	
15							10.00	10.00	
16							7.00	10.00	
17							1.00	10.00	
18							7.00	10.00	
19							10.00	10.00	
20							10.00	10.00	
21							10.00	10.00	
22							10.00	10.00	
23							10.00	10.00	
24							10.00	10.00	
25							0.25	10.00	
26							7.00	10.00	
27							4.00	10.00	
28							9.00	10.00	
29							10.00	10.00	
30							9.00	10.00	
31							4.00	10.00	
MONTHLY AVGS							7.80	10.00	
SUNSHINE (Minutes)									
Total : 0					Possible : 21264				
Percent Possible : 0									
NUMBER OF DAYS WITH :									
SKY CONDITION									
Clear		Partly CLDY			Cloudy			Missing	
MINIMUM VISIBILITY (MILES)									
<= .25			<= 3.0				>= 7.0		
1			4				24		

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX
OCTOBER 2011

KIAH

WBAN # 12960

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE			WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE			WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)											
			Observation Time (LST)	Eff Cld Amt Oktas	VISIBILITY (MILES)		DRY BULB	DEW POINT	WET BULB		RELATIVE HUMIDITY (PCT)	STATION				SEA LEVEL	Observation Time (LST)	Eff Cld Amt Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT		WET BULB	RELATIVE HUMIDITY (PCT)	STATION	SEA LEVEL								
																												Observation Time (LST)	Eff Cld Amt Oktas	VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)
SUNRISE: 0615												OCT 01												SUNSET: 1808											
03	CLR	NC			10.00		63	46	54	54	3	05	29.97	30.07	03	BKN	026			10.00		74	71	72	90	10	09	29.91	30.01						
06	CLR	NC			10.00		59	45	52	60	3	04	30.01	30.12	06	SCT	060			10.00		72	69	70	90	10	10	29.93	30.04						
09	CLR	NC			10.00		72	43	57	35	7	09	30.09	30.19	09	BKN	080			10.00		79	70	73	74	10	10	29.96	30.07						
12	CLR	NC			10.00		81	39	59	22	10	06	30.06	30.18	12	BKN	090			10.00		88	65	73	47	22	13	29.95	30.06						
15	CLR	NC			10.00		84	36	59	18	5	VR	30.00	30.11	15	BKN	100			10.00		87	64	72	46	16	14	29.91	30.01						
18	CLR	NC			10.00		75	45	59	34	5	02	29.98	30.09	18	BKN	100			10.00		81	69	73	67	21	14	29.92	30.03						
21	CLR	NC			10.00		64	46	54	52	3	14	30.02	30.13	21	CLR	NC			10.00		77	69	72	76	10	12	29.95	30.06						
24	CLR	NC			10.00		62	49	55	63	0	00	30.03	30.14	24	FEW	016			10.00		73	69	70	87	9	11	29.94	30.04						
SUNRISE: 0615												OCT 02												SUNSET: 1807											
03	CLR	NC			10.00		59	49	54	70	3	33	30.03	30.14	03	FEW	026			10.00		71	69	70	93	9	09	29.92	30.02						
06	CLR	NC			10.00		55	49	52	80	5	05	30.08	30.19	06	BKN	024			9.00		73	70	71	90	13	10	29.92	30.02						
09	CLR	NC			10.00		70	43	56	38	9	07	30.13	30.24	09	BKN	012			10.00		78	71	73	79	13	11	29.95	30.05						
12	CLR	NC			10.00		80	43	60	27	3	VR	30.10	30.21	12	SCT	250			10.00		87	64	72	46	20	13	29.91	30.02						
15	CLR	NC			10.00		84	36	59	18	3	VR	30.01	30.12	15	SCT	250			10.00		86	67	73	53	18	11	29.85	29.96						
18	CLR	NC			10.00		77	38	57	25	7	11	30.02	30.12	18	SCT	250			10.00		80	69	73	69	18	12	29.85	29.96						
21	CLR	NC			10.00		69	52	59	55	3	19	30.05	30.16	21	BKN	250			3.00	HZ	78	70	73	77	16	12	29.88	29.99						
24	CLR	NC			10.00		60	53	56	78	0	00	30.05	30.16	24	SCT	110			10.00		76	69	71	79	9	10	29.88	29.98						
SUNRISE: 0616												OCT 03												SUNSET: 1806											
03	CLR	NC			10.00		59	53	56	81	0	00	30.05	30.16	03	BKN	110			10.00		73	68	70	84	13	10	29.85	29.96						
06	CLR	NC			10.00		56	50	53	80	3	34	30.09	30.20	06	BKN	100			10.00		72	68	69	87	10	09	29.84	29.95						
09	CLR	NC			10.00		71	45	57	39	7	07	30.14	30.25	09	OVC	070			6.00	RA	74	69	71	84	11	11	29.89	29.99						
12	CLR	NC			10.00		80	40	59	24	6	06	30.11	30.22	12	OVC	090			5.00	RA BR	73	71	72	93	8	28	29.88	29.98						
15	CLR	NC			10.00		84	37	59	19	8	10	30.03	30.15	15	OVC	075			4.00	RA BR	67	65	66	93	3	28	29.87	29.98						
18	CLR	NC			10.00		76	49	61	39	13	14	30.03	30.15	18	BKN	130			10.00	-RA	67	65	66	93	8	05	29.84	29.95						
21	CLR	NC			10.00		68	52	59	57	3	18	30.06	30.18	21	BKN	250			10.00		67	65	66	93	3	02	29.86	29.97						
24	CLR	NC			10.00		59	52	55	78	0	00	30.06	30.18	24	OVC	100			10.00		68	66	67	93	7	02	29.87	29.98						
SUNRISE: 0616												OCT 04												SUNSET: 1805											
03	CLR	NC			10.00		57	52	54	83	0	00	30.05	30.16	03	BKN	020			10.00		68	67	67	97	5	32	29.86	29.96						
06	CLR	NC			10.00		55	51	53	86	0	00	30.09	30.20	06	BKN	050			8.00		68	66	67	93	6	36	29.86	29.97						
09	CLR	NC			10.00		72	53	61	51	6	07	30.14	30.24	09	SCT	130			10.00		73	68	70	84	6	VR	29.90	30.01						
12	FEW	040			10.00		84	52	65	33	3	VR	30.09	30.20	12	BKN	047			10.00		81	66	71	60	8	05	29.88	29.98						
15	FEW	060			10.00		85	53	66	33	10	11	30.01	30.12	15	SCT	110			10.00		84	64	71	51	7	08	29.80	29.91						
18	CLR	NC			10.00		77	57	65	50	11	14	30.01	30.12	18	SCT	110			10.00		79	63	69	58	6	06	29.79	29.90						
21	CLR	NC			10.00		69	60	64	73	5	16	30.03	30.14	21	FEW	110			10.00		72	65	68	79	0	00	29.82	29.93						
24	CLR	NC			10.00		62	59	60	90	0	00	30.03	30.14	24	CLR	NC			10.00		69	65	66	87	0	00	29.81	29.92						
SUNRISE: 0617												OCT 05												SUNSET: 1804											
03	CLR	NC			10.00		59	57	58	93	0	00	30.00	30.11	03	SCT	110			10.00		67	64	65	90	3	33	29.79	29.90						
06	FEW	250			10.00		57	55	56	93	5	04	30.02	30.12	06	SCT	130			10.00		66	63	64	90	0	00	29.81	29.92						
09	FEW	250			10.00		73	59	65	62	3	VR	30.03	30.15	09	BKN	250			10.00		76	65	69	69	0	00	29.83	29.93						
12	SCT	250			10.00		84	59	68	43	15	12	30.00	30.11	12	BKN	250			10.00		84	61	69	46	0	00	29.80	29.91						
15	FEW	060			10.00		86	55	67	35	14	14	29.93	30.03	15	SCT	250			10.00		88	60	70	39	3	VR	29.72	29.82						
18	SCT	200			10.00		79	62	68	56	13	15	29.91	30.02	18	BKN	250			10.00		82	62	69	51	0	00	29.70	29.81						
21	CLR	NC			10.00		72	63	66	73	5	15	29.95	30.06	21	CLR	NC			10.00		77	66	70	69	6	19	29.74	29.85						
24	CLR	NC			10.00		65	62	63	90	3	14	29.92	30.03	24	CLR	NC			10.00		72	66	68	82	3	23	29.73	29.84						
SUNRISE: 0618												OCT 06												SUNSET: 1802											
03	CLR	NC			10.00		65	63	64	93	3	01	29.91	30.01	03	CLR	NC			10.00		67	65	66	93	0	00	29.70	29.81						
06	FEW	050			10.00		64	62	63	93	5	06	29.92	30.03	06	FEW	250			7.00		67	66	66	97	0	00	29.71	29.82						
09	FEW	030			10.00		78	68	71	71	11	11	29.94	30.05	09	BKN	250			10.00		75	70	72	85	6	16	29.73	29.84						
12	BKN	050			10.00		87	68	74	53	14	12	29.91	30.02	12	BKN	130			10.00		83	65	71	55	10	19	29.72	29.82						
15	SCT	130			10.00		88	65	73	47	21	12	29.87	29.97	15	BKN	090			10.00		86	63	71	46	7	VR	29.65	29.76						
18	BKN	090			10.00		80	66	71	62	21	13	29.88	29.99	18	BKN	080			10.00		82	70	74	67	7	15	29.65	29.76						
21	BKN	022			10.00		78	71	73	79	13	12	29.92	30.03	21	FEW	050			10.00		74	70	71	87	9	10	29.70	29.81						
24	FEW	020			10.00		76	70	72	82	16	13	29.91	30.02	24	SCT	120			10.00		71	69	70	93	7	32	29.72	29.83						

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX
OCTOBER 2011

KIAH

WBAN # 12960

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)																																																																																																																																																																																																									
			Observation Time (LST)	Eff Cld Amt Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT		WET BULB	RELATIVE HUMIDITY (PCT)				STATION	SEA LEVEL		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	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	STATION	SEA LEVEL																																																																																																																																																																																								
SUNRISE: 0622						OCT 13						SUNSET: 1753						SUNRISE: 0626						OCT 19						SUNSET: 1747																																																																																																																																																																																																	
03	BKN	065			10.00	71	69	70	93	0	00	29.74	29.85	03	CLR	NC			10.00	57	35	47	44	9	31	29.92	30.02	06	CLR	NC			10.00	68	67	67	97	5	30	29.77	29.88	06	CLR	NC			10.00	53	34	44	49	9	30	29.96	30.06	09	CLR	NC			10.00	75	60	66	60	11	35	29.82	29.92	09	CLR	NC			10.00	60	31	47	34	15	33	30.00	30.11	12	CLR	NC			10.00	85	45	62	25	14	33	29.80	29.91	12	CLR	NC			10.00	68	29	50	23	17	32	29.96	30.07	15	CLR	NC			10.00	86	42	61	21	14	31	29.74	29.85	15	CLR	NC			10.00	72	28	51	19	20	33	29.89	30.00	18	CLR	NC			10.00	79	41	59	26	3	32	29.74	29.85	18	CLR	NC			10.00	68	30	50	24	8	31	29.90	30.01	21	CLR	NC			10.00	71	44	57	38	3	32	29.79	29.90	21	CLR	NC			10.00	63	33	49	33	6	32	29.96	30.06	24	CLR	NC			10.00	64	47	55	54	0	00	29.81	29.92	24	CLR	NC			10.00	52	37	45	57	0	00	29.98	30.10
SUNRISE: 0623						OCT 14						SUNSET: 1752						SUNRISE: 0627						OCT 20						SUNSET: 1746																																																																																																																																																																																																	
03	CLR	NC			10.00	61	47	54	60	5	35	29.83	29.94	03	CLR	NC			10.00	48	37	43	66	0	00	30.00	30.11	06	CLR	NC			10.00	57	47	52	69	0	00	29.84	29.95	06	CLR	NC			10.00	44	38	41	80	0	00	30.01	30.12	09	CLR	NC			10.00	73	48	59	41	3	06	29.90	30.01	09	CLR	NC			10.00	61	35	49	38	3	13	30.06	30.17	12	CLR	NC			10.00	83	46	62	27	0	00	29.88	29.99	12	CLR	NC			10.00	72	33	53	24	6	11	30.01	30.12	15	CLR	NC			10.00	85	45	62	25	5	25	29.82	29.93	15	CLR	NC			10.00	76	34	55	22	7	VR	29.94	30.04	18	CLR	NC			10.00	75	49	60	40	3	18	29.83	29.93	18	CLR	NC			10.00	70	37	53	30	9	16	29.94	30.05	21	CLR	NC			10.00	71	53	61	53	5	19	29.87	29.98	21	CLR	NC			10.00	62	44	53	52	5	16	29.98	30.10	24	CLR	NC			10.00	63	56	59	78	0	00	29.89	29.99	24	CLR	NC			10.00	57	47	52	69	3	12	29.98	30.09
SUNRISE: 0623						OCT 15						SUNSET: 1751						SUNRISE: 0627						OCT 21						SUNSET: 1745																																																																																																																																																																																																	
03	CLR	NC			10.00	62	56	59	81	0	00	29.90	30.01	03	CLR	NC			10.00	57	52	54	83	6	10	29.98	30.10	06	CLR	NC			10.00	59	55	57	87	0	00	29.93	30.03	06	CLR	NC			10.00	59	55	57	87	5	10	30.02	30.13	09	CLR	NC			10.00	73	62	66	69	0	00	29.97	30.08	09	FEW	080			10.00	74	62	67	66	9	13	30.06	30.17	12	FEW	032			10.00	83	58	67	43	6	10	29.96	30.07	12	SCT	050			10.00	81	58	67	46	8	19	30.03	30.14	15	FEW	050			10.00	85	54	66	35	3	05	29.90	30.01	15	SCT	060			10.00	80	62	69	54	16	12	29.98	30.09	18	CLR	NC			10.00	78	61	67	56	11	14	29.91	30.01	18	FEW	060			10.00	74	62	67	66	11	12	29.98	30.09	21	CLR	NC			10.00	73	62	66	69	5	19	29.96	30.06	21	CLR	NC			10.00	70	60	64	71	5	16	30.01	30.12	24	CLR	NC			10.00	66	62	64	87	0	00	29.97	30.08	24	CLR	NC			10.00	64	59	61	84	3	16	30.00	30.11
SUNRISE: 0624						OCT 16						SUNSET: 1750						SUNRISE: 0628						OCT 22						SUNSET: 1744																																																																																																																																																																																																	
03	CLR	NC			10.00	61	60	60	97	0	00	29.96	30.06	03	CLR	NC			10.00	62	58	60	87	3	17	29.98	30.09	06	CLR	NC			10.00	59	59	59	100	3	36	29.96	30.07	06	CLR	NC			10.00	61	59	60	93	0	00	29.98	30.10	09	CLR	NC			10.00	72	64	67	76	0	00	30.00	30.10	09	CLR	NC			10.00	76	60	66	58	8	17	30.03	30.13	12	FEW	040			10.00	84	61	69	46	7	18	29.96	30.06	12	SCT	055			10.00	81	58	67	46	13	16	29.98	30.09	15	SCT	055			10.00	87	64	72	46	0	00	29.88	29.99	15	SCT	075			10.00	83	58	67	43	11	19	29.91	30.02	18	FEW	040			10.00	79	66	71	65	10	12	29.86	29.97	18	FEW	065			10.00	78	59	66	52	11	17	29.90	30.01	21	CLR	NC			10.00	73	68	70	84	5	17	29.89	29.99	21	CLR	NC			10.00	72	61	65	68	6	17	29.92	30.03	24	CLR	NC			8.00	68	67	67	97	0	00	29.87	29.98	24	CLR	NC			10.00	69	61	64	76	5	18	29.90	30.01
SUNRISE: 0625						OCT 17						SUNSET: 1749						SUNRISE: 0629						OCT 23						SUNSET: 1743																																																																																																																																																																																																	
03	FEW	015			7.00	66	65	65	97	0	00	29.85	29.96	03	CLR	NC			10.00	69	61	64	76	5	17	29.87	29.98	06	SCT	009			4.00	64	64	64	100	3	34	29.84	29.95	06	SCT	042			10.00	66	61	63	84	0	00	29.91	30.02	09	FEW	015			6.00	71	71	71	100	3	VR	29.83	29.94	09	OVC	050			10.00	69	62	65	79	8	04	29.96	30.07	12	SCT	045			10.00	84	64	71	51	10	17	29.77	29.88	12	SCT	080			10.00	81	64	70	56	7	21	29.90	30.01	15	SCT	055			10.00	87	62	71	43	8	19	29.66	29.77	15	BKN	080			10.00	83	61	69	48	5	26	29.86	29.96	18	FEW	055			10.00	82	66	71	58	10	16	29.64	29.75	18	BKN	085			10.00	78	65	70	64	0	00	29.88	29.99	21	CLR	NC			10.00	76	68	71	76	13	17	29.65	29.76	21	SCT	085			10.00	77	65	69	67	3	19	29.95	30.06	24	CLR	NC			10.00	74	68	70	82	6	17	29.61	29.72	24	FEW	055			10.00	69	65	66	87	0	00	29.98	30.09
SUNRISE: 0625						OCT 18						SUNSET: 1748						SUNRISE: 0629						OCT 24						SUNSET: 1742																																																																																																																																																																																																	
03	FEW	020			10.00	71	67	68	87	3	28	29.65	29.75	03	BKN	065			10.00	69	65	66	87	0	00	29.98	30.09	06	BKN	060			10.00	68	59	63	73	21	32	29.70	29.81	06	SCT	070			10.00	66	64	65	93	0	00	30.01	30.12	09	CLR	NC			10.00	64	44	54	48	25	35	29.80	29.90	09	SCT	075			10.00	77	67	70	71	5	22	30.06	30.17	12	CLR	NC			10.00	72	43	57	35	24	33	29.78	29.89	12	SCT	060			10.00	83	65	71	55	6	26	30.05	30.16	15	CLR	NC			10.00	73	40	56	30	23	32	29.76	29.87	15	SCT	050			10.00	87	57	68	36	6	VR	29.98	30.09	18	CLR	NC			10.00	66	39	52	37	23	34	29.83	29.94	18	SCT	250			10.00	79	60	67	52	0	00	29.98	30.10	21	CLR	NC			10.00	62	38	50	41	6	33	29.92	30.03	21	CLR	NC			10.00	76	66	70	71	6	19	30.03	30.14	24	CLR	NC			10.00	57	38	48	49	7	29	29.92	30.02	24	FEW	070			10.00	71	66	68	84	3	15	30.03	30.15

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX
OCTOBER 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: 0630						OCT 25						SUNSET: 1741					
03	BKN	050			9.00	BR	68	66	67	93	3	15	30.02	30.12			
06	BKN	060			6.00		71	69	70	93	3	19	30.03	30.14			
09	FEW	030			8.00		76	70	72	82	9	14	30.05	30.16			
12	SCT	042			10.00		82	63	70	53	10	17	30.01	30.11			
15	BKN	080			10.00		83	67	72	59	8	15	29.93	30.03			
18	SCT	250			10.00		76	67	70	74	10	14	29.91	30.01			
21	CLR	NC			10.00		73	67	69	82	8	16	29.93	30.04			
24	CLR	NC			10.00		70	66	67	87	6	17	29.91	30.02			
SUNRISE: 0631						OCT 26						SUNSET: 1740					
03	CLR	NC			9.00		68	65	66	90	7	17	29.86	29.97			
06	CLR	NC			9.00		65	63	64	93	0	00	29.86	29.96			
09	SCT	250			10.00		77	68	71	74	9	15	29.88	29.99			
12	BKN	250			10.00		85	62	70	46	9	21	29.85	29.96			
15	BKN	080			10.00		84	65	71	53	9	16	29.77	29.88			
18	SCT	055			10.00		79	64	69	60	11	16	29.77	29.88			
21	CLR	NC			10.00		75	68	70	79	9	18	29.79	29.89			
24	CLR	NC			10.00		71	67	68	87	0	00	29.77	29.88			
SUNRISE: 0631						OCT 27						SUNSET: 1739					
03	FEW	035			7.00		66	64	65	93	0	00	29.74	29.85			
06	SCT	026			7.00		66	65	65	97	0	00	29.75	29.85			
09	BKN	080			10.00		75	70	72	85	3	11	29.78	29.89			
12	BKN	085			10.00		82	67	72	61	10	28	29.75	29.86			
15	BKN	070			10.00		85	61	70	45	0	00	29.68	29.79			
18	BKN	065			10.00		72	67	69	84	10	01	29.75	29.86			
21	OVC	019			4.00	+RA BR	66	63	64	90	13	32	29.84	29.94			
24	OVC	031			8.00	RA	57	54	55	90	16	32	29.89	30.00			
SUNRISE: 0632						OCT 28						SUNSET: 1738					
03	OVC	035			10.00		57	53	55	87	14	34	29.91	30.01			
06	OVC	013			9.00		56	51	53	83	14	35	29.97	30.07			
09	OVC	019			10.00		57	48	52	72	13	34	30.03	30.15			
12	OVC	028			10.00		58	45	51	62	20	35	30.06	30.17			
15	OVC	038			10.00		61	45	53	56	20	35	30.02	30.13			
18	SCT	043			10.00		56	43	50	62	10	36	30.08	30.19			
21	CLR	NC			10.00		52	44	48	74	3	31	30.13	30.24			
24	CLR	NC			10.00		50	42	46	74	5	34	30.14	30.26			
SUNRISE: 0633						OCT 29						SUNSET: 1737					
03	CLR	NC			10.00		47	40	44	77	3	01	30.14	30.26			
06	CLR	NC			10.00		46	39	43	77	3	31	30.19	30.30			
09	CLR	NC			10.00		54	44	49	69	3	33	30.22	30.33			
12	CLR	NC			10.00		64	35	50	34	0	00	30.16	30.27			
15	CLR	NC			10.00		68	34	52	29	0	00	30.06	30.17			
18	CLR	NC			10.00		58	38	48	48	0	00	30.03	30.14			
21	CLR	NC			10.00		51	39	45	64	0	00	30.05	30.16			
24	CLR	NC			10.00		45	40	43	83	0	00	30.03	30.14			
SUNRISE: 0634						OCT 30						SUNSET: 1736					
03	SCT	250			10.00		47	41	44	80	0	00	30.03	30.14			
06	SCT	130			9.00		46	41	44	83	0	00	30.05	30.16			
09	SCT	250			10.00		59	45	52	60	7	11	30.09	30.20			
12	SCT	250			10.00		69	44	56	41	6	08	30.06	30.18			
15	FEW	060			10.00		72	40	55	31	3	VR	30.01	30.11			
18	FEW	060			10.00		64	46	54	52	5	12	30.01	30.12			
21	CLR	NC			10.00		54	48	51	80	3	16	30.06	30.18			
24	CLR	NC			10.00		53	50	51	90	0	00	30.09	30.20			

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: 0634						OCT 31						SUNSET: 1736					
03	CLR	NC			10.00	BR	51	49	50	93	0	00	30.08	30.19			
06	CLR	NC			6.00		50	47	49	90	0	00	30.10	30.21			
09	CLR	NC			10.00		61	53	57	75	0	00	30.14	30.25			
12	CLR	NC			10.00		72	47	58	41	0	00	30.10	30.21			
15	CLR	NC			10.00		76	46	59	35	0	00	30.03	30.14			
18	CLR	NC			10.00		65	48	56	54	3	15	30.03	30.14			
21	CLR	NC			10.00		62	47	54	58	3	18	30.06	30.18			
24	CLR	NC			10.00		58	48	53	70	0	00	30.06	30.16			

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.

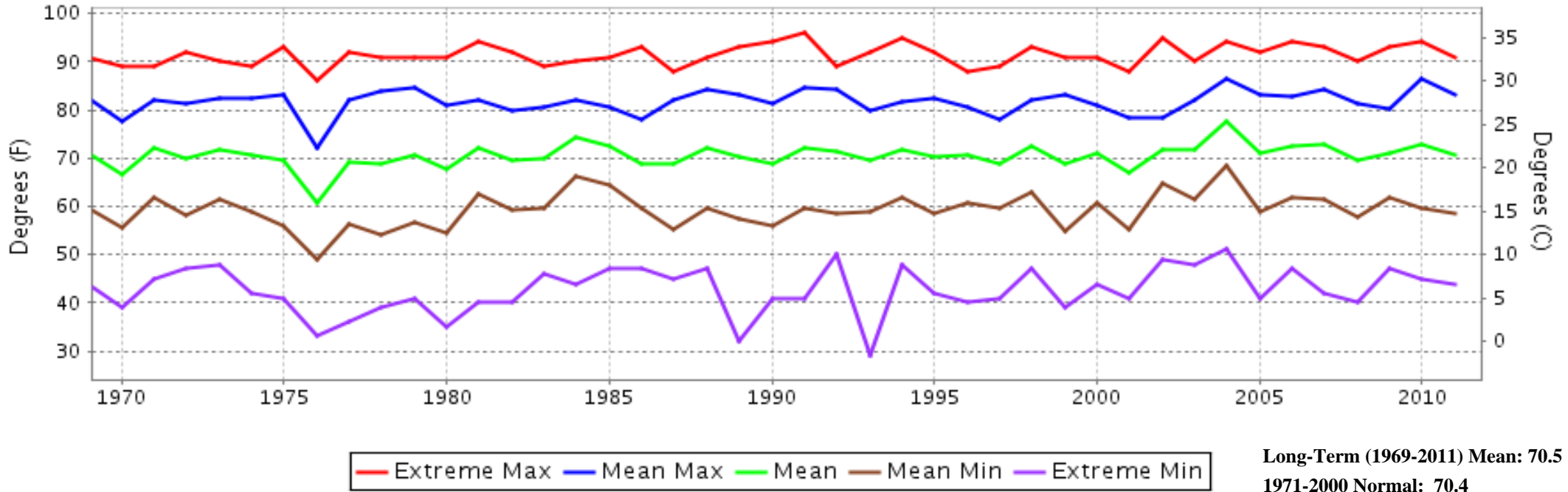
& = Original observation contained additional weather elements.

See page 3 for additional notes.

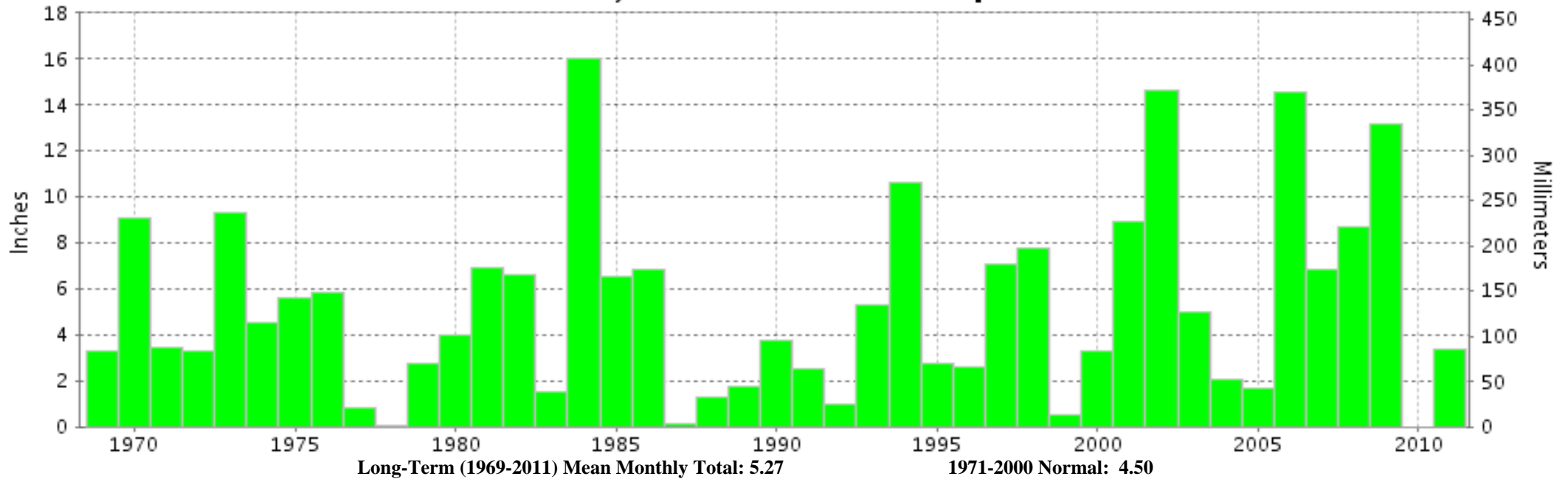
SUMMARY BY HOUR

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			64	58	61	81	29.92	30.03	9.80	3	2	11
02			63	58	60	83	29.92	30.03	9.65	3	2	11
03			63	57	60	84	29.92	30.03	9.74	3	1	12
04			62	57	59	85	29.92	30.03	9.52	3	2	12
05			62	57	59	87	29.93	30.04	9.55	3	3	11
06			61	56	59	86	29.94	30.05	9.16	4	1	12
07			61	56	58	85	29.95	30.06	8.65	4	2	11
08			66	58	61	76	29.97	30.08	8.81	6	3	10
09			71	58	63	65	29.98	30.09	9.68	7	4	10
10			75	57	64	55	29.98	30.09	9.87	9	3	10
11			78	55	65	48	29.97	30.08	9.87	10	3	10
12			79	54	65	44	29.95	30.06	9.84	9	1	11
13			80	53	65	41	29.92	30.03	9.87	9	2	11
14			81	53	65	40	29.90	30.01	9.76	10	4	10
15			81	53	65	40	29.89	29.99	9.81	9	2	10
16			81	53	65	41	29.88	29.99	9.77	10	3	10
17			79	54	64	46	29.88	29.99	9.84	10	3	10
18			75	56	64	54	29.89	30.00	10.00	9	5	10
19			72	56	63	60	29.90	30.01	10.00	8	4	10
20			71	57	63	65	29.92	30.03	9.94	7	2	10
21			69	58	63	68	29.93	30.04	9.58	6	1	11
22			67	58	62	73	29.93	30.04	10.00	5	1	11
23			66	58	61	77	29.93	30.04	9.90	4	1	11
24			64	58	60	80	29.93	30.04	9.87	3	1	13

HOUSTON, TX OCTOBER Temperatures



HOUSTON, TX OCTOBER Precipitation





OCTOBER 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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