



# OCTOBER 2008

## 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**



**OCTOBER 2008  
HOUSTON, TX**

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			
2	3	4	5	6	7	8	9	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
01	85	60	73	-2	53	61	0	8		0		0.0	0.00	29.91		4.0	01	5.1	18	01	13	02	01	
02	88	55	72	-3	55	62	0	7		0		0.0	0.00	29.85	29.98	1.7	17	3.5	12	14	10	14	02	
03	89	59	74	-1	61	66	0	9		0		0.0	0.00	29.88	29.99	4.7	16	5.6	18	15	17	15	03	
04	87	64	76	2	62	66	0	11	MIFG	0		0.0	0.00	29.95	30.06	6.3	14	6.9	25	14	20	13	04	
05	85	62	74	0	65	68	0	9	BR	0		0.0	0.00	29.88	30.01	7.8	13	8.6	25	13	21	12	05	
06	90*	71	81*	8	69	73	0	16	BR	0		0.0	0.00	29.81	29.93	8.2	15	8.8	24	14	20	14	06	
07	86	62	74	1	64	68	0	9	TS TSRA RA FG BR	0		0.0	1.10	29.90	30.00	4.6	30	7.2	25	30	20	31	07	
08	83	56	70	-3	50	58	0	5		0		0.0	0.00	29.91	30.03	5.7	33	6.2	20	36	16	01	08	
09	82	54	68	-5	57	61	0	3		0		0.0	0.00	29.87	29.99	1.9	12	3.7	14	14	10	12	09	
10	84	60	72	0	62	65	0	7	BR	0		0.0	0.00	29.86	29.97	4.5	13	5.4	18	10	16	10	10	
11	84	65	75	3	65	68	0	10	BR	0		0.0	0.00	29.91	30.02	5.9	12	6.9	17	15	16	10	11	
12	85	66	76	4	68	70	0	11	BR	0		0.0	0.00	29.91	30.01	8.1	11	9.2	22	15	18	14	12	
13	87	69	78	7	70	72	0	13	BR	0		0.0	0.00	29.95	30.07	8.0	09	8.5	18	11	16	11	13	
14	87	73	80	9	72	74	0	15	RA BR	0		0.0	0.05	29.93	30.05	9.8	10	10.8	22	14	20	14	14	
15	85	73	79	8	74	74	0	14	TS TSRA RA FG+ FG BR	0		0.0	3.59	29.93		6.0	10	7.5	29	11	24	10	15	
16	77	65	71	1	65	67	0	6	RA BR	0		0.0	0.23	30.03	30.14	8.7	34	9.0	18	34	16	34	16	
17	72	63	68	-2	63	65	0	3	BR	0		0.0	0.00	30.05	30.15	5.4	35	6.0	14	36	12	35	17	
18	80	56	68	-2	55	60	0	3		0		0.0	0.00	30.08	30.19	2.0	03	2.9	15	01	13	01	18	
19	78	55	67	-3	55	59	0	2		0		0.0	0.00	30.08	30.20	3.0	10	5.2	14	06	12	11	19	
20	81	55	68	-1	57	61	0	3		0		0.0	0.00	30.08	30.19	1.9	12	3.4	16	07	12	09	20	
21	82	59	71	2	60	63	0	6	BR	0		0.0	0.00	29.99	30.12	2.7	13	4.1	14	13	12	15	21	
22	84	60	72	4	63	65	0	7	TS TSRA RA FG BR	0		0.0	3.70	29.93	30.03	2.9	08	8.7	35*	28	26	26	22	
23	70	51	61	-7	45	53	4	0	RA	0		0.0	T	30.03	30.14	9.1	36	9.8	29	01	23	36	23	
24	78	46	62	-6	46	53	3	0		0		0.0	0.00	29.95	30.07	0.6	25	1.7	8	19	8	25	24	
25	81	50	66	-1	52	57	0	1		0		0.0	0.00	29.96	30.08	0.7	15	2.0	8	19	7	17	25	
26	84	52	68	1	56	60	0	3		0		0.0	0.00	30.04	30.13	0.7	19	1.2	12	16	9	18	26	
27	67	46	57	-10	31	47	8	0		0		0.0	0.00	30.40	30.49	12.7	35	13.0	32	01	26*	01	27	
28	67	40*	54*	-12	34	45	11	0		0		0.0	0.00	30.37	30.49	1.9	03	3.1	13	05	12	05	28	
29	73	42	58	-8	42	49	7	0		0		0.0	0.00	30.23	30.37	2.3	14	2.6	14	12	12	13	29	
30	78	48	63	-3	54	57	2	0	MIFG	0		0.0	0.00	30.26	30.37	5.7	13	6.4	20	14	16	13	30	
31	80	56	68	2	58	61	0	3	BR	0		0.0	0.00	30.26	30.38	3.8	13	4.8	15	15	14	15	31	
81.3		57.8	69.6	Σ	57.5	62.2	1.1	5.9	< MONTHLY AVERAGES   TOTALS >			0.0	8.67	30.01	30.12	2.1	09	6.1	< MONTHLY AVERAGES					
-0.7		-1.0	-0.8		-----DEPARTURE FROM NORMAL -----						4.17			SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3										
<b>DEGREE DAYS</b>									GREATEST 24-HR PRECIPITATION : 3.79 DATE : 15-16					SEA LEVEL PRESSURE										
MONTHLY				SEASON TO DATE					GREATEST 24-HR SNOWFALL : 0.0 DATE :					MAXIMUM : 30.59 28 0853										
TOTAL DEPARTURE				TOTAL DEPARTURE					GREATEST SNOW DEPTH : 0 DATE :					MINIMUM : 29.87 06 1607										
HEATING :		35 -2		35 -3		NUMBER OF ->		MAXIMUM TEMP >= 90 : 1		MINIMUM TEMP <= 32 : 0		PRECIPITATION >= 0.01 INCH: 5												
COOLING :		184 -12		3111 308		THUNDERSTORMS : 3		MAXIMUM TEMP <= 32 : 0		MINIMUM TEMP <= 0 : 0		PRECIPITATION >= 0.10 INCH: 4												
								HEAVY FOG : 1				SNOWFALL >= 1.0 INCH : 0												

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

HOUSTON, TX (KIAH)  
OCTOBER 2008

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								1.03	0.07	T			07												07	1.10	1.10	
08													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												12	0.00	0.00	
13													13												13	0.00	0.00	
14				0.01	0.03	T	0.01						14												14	0.05	0.05	
15	0.01	0.05	0.07	0.05	0.03	0.01	0.10	T	T	0.09	T	0.13	15	0.03	0.05	0.39	0.94	0.26	0.88	0.29	0.06	T	0.01	0.13	0.01	15	3.59	3.59
16	0.21			0.02	T								16												16	0.23	0.23	
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			0.05	0.13	2.76	0.33	0.35	0.08	T		T	22	3.70	3.70	
23	T												23												23	T	T	
24													24												24	0.00	0.00	
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	
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)	0.51	0.79	1.09	1.43	2.11	2.59	2.76	3.02	3.15	3.18	3.25	3.46
Ending Date	22	15	22	22	22	22	22	22	22	22	22	22
Ending Time (Hr/Min)	1647	1537	1632	1637	1647	1659	1659	1720	1725	1742	1815	1846

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 OCTOBER 2008

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							8.00	10.00	
05							6.00	10.00	
06							6.00	10.00	
07							1.00	10.00	
08							10.00	10.00	
09							9.00	10.00	
10							3.00	10.00	
11							3.00	10.00	
12							3.00	10.00	
13							1.50	10.00	
14							5.00	10.00	
15							0.25	10.00	
16							1.00	10.00	
17							5.00	10.00	
18							8.00	10.00	
19							8.00	10.00	
20							8.00	10.00	
21							6.00	10.00	
22							0.50	10.00	
23							7.00	10.00	
24							10.00	10.00	
25							7.00	10.00	
26							7.00	10.00	
27							10.00	10.00	
28							10.00	10.00	
29							10.00	10.00	
30							8.00	10.00	
31							5.00	10.00	
MONTHLY AVGS							6.33	10.00	
<b>SUNSHINE (Minutes)</b>									
Total : 0					Possible : 21264				
Percent Possible : 0									
<b>NUMBER OF DAYS WITH : SKY CONDITION</b>									
Clear		Partly CLDY			Cloudy			Missing	
<b>MINIMUM VISIBILITY (MILES)</b>									
<= .25			<= 3.0				>= 7.0		
1			8				17		

# OBSERVATIONS AT 3-HOURLY INTERVALS

**HOUSTON, TX**  
OCTOBER 2008

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: 0615												SUNRISE: 0618															
OCT 01												OCT 07															
SUNSET: 1808												SUNSET: 1801															
03	CLR	NC			10.00	64	55	59	73	6	VR	29.93		03	BKN	100			9.00	77	75	76	94	3	21	29.85	29.96
06	CLR	NC			10.00	61	54	57	78	3	35	29.96		06	OVC	070			10.00	78	75	76	91	5	VR	29.88	29.98
09	CLR	NC			10.00	72	54	62	53	6	09	29.98		09	BKN	095			10.00	70	68	69	93	3	23	29.94	30.04
12	CLR	NC			10.00	80	51	63	37	3	VR	29.95	30.06	12	BKN	250			10.00	81	70	74	69	13	32	29.90	30.01
15	CLR	NC			10.00	85	49	64	29	9	01	29.88	29.98	15	SCT	250			10.00	85	65	72	51	10	31	29.86	29.97
18	CLR	NC			10.00	77	51	62	40	7	03	29.88	29.99	18	FEW	050			10.00	79	53	64	41	7	33	29.88	29.99
21	CLR	NC			10.00	67	54	60	63	3	31	29.92	30.03	21	CLR	NC			10.00	70	49	58	47	11	32	29.94	30.05
24	CLR	NC			10.00	64	53	58	68	0	00	29.90	30.01	24	CLR	NC			10.00	63	50	56	63	6	30	29.95	30.06
SUNRISE: 0615												SUNRISE: 0619															
OCT 02												OCT 08															
SUNSET: 1807												SUNSET: 1759															
03	CLR	NC			10.00	56	54	55	93	0	00	29.88	29.99	03	CLR	NC			10.00	61	47	54	60	7	29	29.93	30.04
06	CLR	NC			10.00	55	53	54	93	0	00	29.90	30.01	06	CLR	NC			10.00	57	47	52	69	6	30	29.95	30.06
09	CLR	NC			10.00	73	55	62	53	0	00	29.94	30.05	09	CLR	NC			10.00	68	48	57	49	9	35	29.98	30.10
12	CLR	NC			10.00	82	51	64	34	5	VR	29.89	30.00	12	CLR	NC			10.00	77	48	61	36	10	31	29.95	30.06
15	CLR	NC			10.00	87	50	65	28	5	VR	29.82	29.93	15	CLR	NC			10.00	82	48	62	31	14	34	29.89	29.99
18	CLR	NC			10.00	79	58	66	49	8	13	29.80	29.91	18	FEW	250			10.00	76	48	60	37	7	35	29.86	29.97
21	CLR	NC			10.00	74	58	64	58	6	17	29.85	29.96	21	FEW	250			10.00	67	52	59	59	3	32	29.90	30.01
24	CLR	NC			10.00	69	58	62	68	5	19	29.84	29.95	24	CLR	NC			10.00	61	52	56	72	0	00	29.89	30.00
SUNRISE: 0616												SUNRISE: 0619															
OCT 03												OCT 09															
SUNSET: 1806												SUNSET: 1758															
03	CLR	NC			10.00	61	58	59	90	0	00	29.83	29.94	03	CLR	NC			10.00	55	52	53	90	0	00	29.89	30.00
06	CLR	NC			10.00	60	59	59	97	0	00	29.87	29.98	06	CLR	NC			10.00	54	52	53	93	3	31	29.92	30.02
09	FEW	040			10.00	75	64	68	69	3	12	29.92	30.03	09	CLR	NC			10.00	69	60	64	73	7	09	29.95	30.06
12	FEW	040			10.00	85	60	69	43	6	VR	29.91	30.01	12	FEW	250			10.00	78	57	65	49	5	VR	29.91	30.02
15	FEW	045			10.00	89	59	70	36	6	VR	29.85	29.96	15	FEW	250			10.00	81	55	65	41	6	VR	29.83	29.94
18	FEW	040			10.00	81	61	68	51	14	15	29.85	29.96	18	CLR	NC			10.00	75	58	65	56	9	13	29.82	29.93
21	CLR	NC			10.00	76	66	70	71	8	17	29.92	30.03	21	CLR	NC			10.00	67	61	63	81	5	17	29.86	29.97
24	CLR	NC			10.00	72	66	68	82	3	18	29.93	30.04	24	CLR	NC			9.00	62	60	61	93	0	00	29.86	29.97
SUNRISE: 0616												SUNRISE: 0620															
OCT 04												OCT 10															
SUNSET: 1805												SUNSET: 1757															
03	CLR	NC			10.00	68	65	66	90	0	00	29.93	30.03	03	FEW	250			8.00	61	60	60	97	0	00	29.84	29.94
06	FEW	250			8.00	65	64	64	97	0	00	29.95	30.06	06	SCT	250			7.00	61	59	60	93	0	00	29.86	29.97
09	SCT	250			10.00	79	66	71	65	11	18	29.98	30.09	09	SCT	250			7.00	72	65	68	79	5	VR	29.90	30.01
12	SCT	250			10.00	85	60	69	43	8	17	29.98	30.10	12	SCT	250			10.00	79	64	69	60	9	12	29.88	29.99
15	SCT	250			10.00	85	55	67	36	11	13	29.94	30.05	15	SCT	250			10.00	83	62	70	49	10	14	29.83	29.94
18	SCT	250			10.00	78	60	67	54	13	15	29.93	30.04	18	SCT	250			10.00	76	64	68	67	13	14	29.84	29.95
21	FEW	250			10.00	69	61	64	76	5	16	29.97	30.07	21	CLR	NC			10.00	70	64	66	81	6	16	29.88	29.99
24	CLR	NC			10.00	66	62	64	87	0	00	29.96	30.06	24	FEW	250			9.00	66	64	65	93	0	00	29.89	30.00
SUNRISE: 0617												SUNRISE: 0621															
OCT 05												OCT 11															
SUNSET: 1804												SUNSET: 1755															
03	CLR	NC			9.00	63	61	62	93	3	03	29.95	30.05	03	FEW	250			5.00	66	65	65	97	0	00	29.88	29.99
06	CLR	NC			8.00	63	62	62	97	0	00	29.94	30.05	06	SCT	035			5.00	66	65	65	97	3	35	29.92	30.03
09	FEW	030			10.00	78	66	70	67	10	12	29.96	30.07	09	BKN	250			7.00	74	68	70	82	8	10	29.96	30.07
12	SCT	060			10.00	82	64	70	55	17	15	29.93	30.03	12	BKN	036			10.00	82	65	71	56	9	14	29.95	30.05
15	SCT	110			10.00	83	60	68	46	16	12	29.86	29.97	15	BKN	250			10.00	81	65	71	58	13	13	29.89	30.00
18	SCT	250			10.00	78	63	68	60	13	15	29.84	29.95	18	SCT	250			10.00	77	65	69	67	14	15	29.89	30.00
21	CLR	NC			10.00	73	69	70	87	10	13	29.85	29.96	21	FEW	250			10.00	69	65	66	87	7	12	29.93	30.03
24	SCT	250			6.00	71	70	70	97	5	12	29.83	29.94	24	FEW	250			7.00	67	65	66	93	5	11	29.91	30.01
SUNRISE: 0618												SUNRISE: 0621															
OCT 06												OCT 12															
SUNSET: 1802												SUNSET: 1754															
03	BKN	250			6.00	73	72	72	97	7	10	29.79	29.90	03	FEW	250			6.00	66	65	65	97	3	35	29.89	29.99
06	SCT	250			9.00	74	71	72	90	8	15	29.80	29.91	06	SCT	250			4.00	68	66	67	93	3	02	29.91	30.02
09	BKN	120			10.00	80	71	74	74	9	16	29.86	29.97	09	BKN	050			8.00	75	70	72	85	13	10	29.93	30.04
12	BKN	250			10.00	88	67	74	50	13	14	29.82	29.93	12	BKN	023			10.00	81	70	74	69	10	10	29.92	30.03
15	SCT	120			10.00	89	64	72	44	14	15	29.77	29.87	15	SCT	250			10.00	84	68	73	59	16	13	29.87	29.98
18	SCT	250			10.00	83	66	72	57	11	15	29.79	29.90	18	BKN	250			10.00	78	69	72	74	15	13	29.89	30.00
21	FEW	020			10.00	78	72	74	82	5	16	29.84	29.95	21	FEW	020			10.00	73	70	71	90	9	11	29.93	30.04
24	BKN	038			9.00	77	74	75	91	6	16	29.86	29.96	24	FEW	018			10.00	72	70	71	93	8	12	29.93	30.03

# OBSERVATIONS AT 3-HOURLY INTERVALS

# HOUSTON, TX OCTOBER 2008

## 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)						
			Observation Time (LST)	Eff Cld Amt Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT			WET BULB	STATION	SEA LEVEL				
<b>SUNRISE: 0622</b>						<b>OCT 13</b>						<b>SUNSET: 1753</b>					
03	SCT	100			7.00				BR	69	69	69	100	7	05	29.93	30.04
06	BKN	050			6.00					71	70	70	97	7	05	29.97	30.07
09	OVC	009			8.00					76	72	73	87	13	10	30.01	30.12
12	SCT	033			10.00					83	69	74	63	8	10	29.98	30.09
15	SCT	070			10.00					87	68	74	53	8	11	29.92	30.03
18	FEW	070			10.00					79	68	72	69	9	11	29.92	30.03
21	FEW	065			10.00					75	70	72	85	8	09	29.97	30.08
24	BKN	017			10.00					74	72	73	94	7	09	29.97	30.08
<b>SUNRISE: 0623</b>						<b>OCT 14</b>						<b>SUNSET: 1752</b>					
03	OVC	030			6.00				BR	74	72	73	94	7	05	29.95	30.05
06	OVC	017			7.00					74	73	73	97	9	08	29.96	30.06
09	OVC	020			9.00					78	73	75	85	14	10	30.00	30.11
12	BKN	045			10.00					84	72	76	67	11	12	29.97	30.08
15	BKN	250			10.00					83	71	75	67	14	11	29.90	30.01
18	SCT	250			9.00					80	71	74	74	13	12	29.89	30.00
21	BKN	250			10.00					74	71	72	90	6	10	29.94	30.05
24	BKN	250			10.00					75	73	74	94	10	10	29.92	
<b>SUNRISE: 0623</b>						<b>OCT 15</b>						<b>SUNSET: 1751</b>					
03	OVC	060			7.00				-RA	75	73	74	94	9	09	29.89	
06	OVC	048			6.00				BR	75	75	75	100	5	14	29.92	
09	BKN	100			8.00					77	75	76	94	8	09	29.96	
12	BKN	250			4.00				TS+RA	77	75	76	94	7	14	29.95	30.06
15	OVC	041			6.00				TSRA BR	77	74	75	91	8	04	29.89	29.99
18	OVC	040			5.00				-TSRA BR	74	73	73	97	7	05	29.92	30.02
21	OVC	045			10.00				-RA	74	73	73	97	5	05	29.97	30.08
24	OVC	050			9.00					74	73	73	97	5	36	29.96	30.07
<b>SUNRISE: 0624</b>						<b>OCT 16</b>						<b>SUNSET: 1750</b>					
03	OVC	036			8.00					74	73	73	97	0	00	29.95	30.06
06	OVC	008			1.00				BR	70	69	69	97	10	34	29.98	30.10
09	OVC	006			7.00					66	64	65	93	10	33	30.06	30.17
12	OVC	009			8.00					67	63	65	87	7	33	30.05	30.16
15	BKN	150			10.00					73	65	68	76	10	33	30.01	30.11
18	OVC	014			8.00					68	63	65	84	10	33	30.03	30.14
21	OVC	016			9.00					66	61	63	84	8	35	30.06	30.18
24	OVC	011			8.00					65	62	63	90	7	35	30.05	30.16
<b>SUNRISE: 0625</b>						<b>OCT 17</b>						<b>SUNSET: 1749</b>					
03	OVC	008			8.00					65	62	63	90	7	35	30.03	30.13
06	OVC	005			6.00				BR	66	63	64	90	6	35	30.05	30.15
09	OVC	016			8.00					68	64	66	87	10	33	30.08	30.19
12	OVC	013			10.00					70	64	66	81	6	03	30.06	30.17
15	OVC	017			10.00					72	64	67	76	8	36	30.02	30.13
18	SCT	023			10.00					70	64	66	81	3	35	30.03	30.14
21	SCT	055			10.00					67	60	63	78	3	34	30.06	30.18
24	CLR	NC			10.00					63	58	60	84	5	35	30.06	30.18
<b>SUNRISE: 0625</b>						<b>OCT 18</b>						<b>SUNSET: 1748</b>					
03	FEW	045			9.00					60	56	58	87	0	00	30.06	30.17
06	CLR	NC			10.00					57	54	55	90	3	36	30.09	30.20
09	CLR	NC			10.00					67	54	60	63	5	02	30.14	30.25
12	CLR	NC			10.00					77	55	64	47	9	06	30.11	30.23
15	CLR	NC			10.00					80	52	64	38	7	VR	30.03	30.15
18	FEW	250			10.00					71	55	62	57	6	03	30.05	30.15
21	CLR	NC			10.00					63	56	59	78	0	00	30.08	30.19
24	CLR	NC			9.00					60	58	59	93	0	00	30.09	30.20
<b>SUNRISE: 0626</b>						<b>OCT 19</b>						<b>SUNSET: 1747</b>					
03	CLR	NC			10.00					59	55	57	87	3	02	30.09	30.20
06	CLR	NC			10.00					56	54	55	93	3	02	30.10	30.21
09	FEW	250			10.00					66	54	59	65	9	10	30.14	30.25
12	CLR	NC			10.00					75	53	62	46	7	VR	30.13	30.24
15	FEW	250			10.00					78	52	63	40	7	VR	30.06	30.17
18	FEW	250			10.00					67	56	61	68	7	12	30.03	30.15
21	CLR	NC			10.00					62	58	60	87	3	16	30.09	30.20
24	CLR	NC			10.00					59	56	57	90	3	16	30.08	30.19
<b>SUNRISE: 0627</b>						<b>OCT 20</b>						<b>SUNSET: 1746</b>					
03	CLR	NC			9.00					56	55	55	96	0	00	30.08	30.19
06	CLR	NC			8.00					55	54	54	96	0	00	30.11	30.21
09	CLR	NC			10.00					67	59	62	76	0	00	30.14	30.25
12	FEW	035			10.00					78	57	65	49	3	VR	30.11	30.22
15	SCT	250			10.00					81	55	65	41	5	VR	30.05	30.16
18	FEW	250			10.00					69	58	62	68	3	16	30.03	30.15
21	CLR	NC			10.00					67	60	63	78	6	17	30.06	30.18
24	CLR	NC			8.00					61	59	60	93	0	00	30.06	30.18
<b>SUNRISE: 0627</b>						<b>OCT 21</b>						<b>SUNSET: 1745</b>					
03	CLR	NC			8.00					61	59	60	93	0	00	30.05	30.15
06	FEW	250			8.00					60	58	59	93	0	00	30.06	30.17
09	SCT	250			10.00					69	61	64	76	6	07	30.10	30.21
12	SCT	250			10.00					78	60	67	54	3	VR	30.06	30.16
15	SCT	250			10.00					81	59	67	47	5	VR	29.97	
18	SCT	250			10.00					73	62	66	69	8	13	29.94	30.05
21	CLR	NC			9.00					69	63	65	81	7	15	29.96	30.07
24	SCT	250			8.00					63	62	62	97	0	00	29.93	30.04
<b>SUNRISE: 0628</b>						<b>OCT 22</b>						<b>SUNSET: 1744</b>					
03	SCT	250			6.00				BR	64	63	63	97	0	00	29.91	30.02
06	FEW	250			8.00					62	60	61	93	3	12	29.91	30.01
09	FEW	250			10.00					72	64	67	76	8	11	29.92	30.03
12	SCT	250			10.00					80	66	71	62	10	14	29.89	29.99
15	BKN	250			10.00				-RA	79	70	73	74	9	07	29.84	29.95
18	OVC	055			3.00				TS+RA BR	72	70	71	93	9	18	29.88	
21	OVC	027			10.00					63	59	61	87	20	34	30.00	30.11
24	OVC	041			10.00					60	50	55	70	7	35	30.06	30.17
<b>SUNRISE: 0629</b>						<b>OCT 23</b>						<b>SUNSET: 1743</b>					
03	OVC	047			10.00					58	47	52	67	13	35	30.06	30.16
06	SCT	250			10.00					55	43	49	64	10	36	30.06	30.17
09	SCT	120			10.00					59	46	52	62	11	01	30.10	30.20
12	BKN	085			10.00					66	44	54	45	11	01	30.06	30.17
15	FEW	095			10.00					70	42	55	36	13	02	30.00	30.11
18	FEW	250			10.00					63	43	53	48	7	02	29.98	30.09
21	CLR	NC			10.00					57	45	51	64	5	31	30.03	30.14
24	CLR	NC			10.00					52	44	48	74	3	35	30.03	30.14
<b>SUNRISE: 0629</b>						<b>OCT 24</b>						<b>SUNSET: 1742</b>					
03	CLR	NC			10.00					48	45	47	89	3	03	30.00	30.10
06	CLR	NC			10.00					47	46	47	96	0	00	30.01	30.12
09	FEW	250			10.00					59	50	54	72	0	00	30.02	30.12
12	FEW	250			10.00					72	42	56	34	5	23	29.96	30.07
15	FEW	250			10.00					76	37	56	24	3	VR	29.89	30.00
18	FEW	250			10.00					63							

# OBSERVATIONS AT 3-HOURLY INTERVALS

# HOUSTON, TX OCTOBER 2008

# 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)																																																																																																					
			Observation Time (LST)	Eff Cld Amt Oktas		DRY BULB	DEW POINT	WET BULB		RELATIVE HUMIDITY (PCT)	STATION	SEA LEVEL																																																																																																			
<b>SUNRISE: 0630</b>						<b>OCT 25</b>						<b>SUNSET: 1741</b>																																																																																																			
03	FEW	250			10.00	52	51	51	96	0	00	29.95	30.05	06	FEW	250			10.00	50	49	49	96	0	00	29.97	30.08	09	SCT	250			8.00	64	54	58	70	3	04	30.03	30.14	12	SCT	250			10.00	77	51	62	40	0	00	29.98	30.10	15	FEW	250			10.00	80	48	62	33	5	14	29.93	30.04	18	FEW	250			10.00	67	55	60	66	3	14	29.93	30.04	21	CLR	NC			10.00	62	52	56	70	3	18	29.98	30.09	24	CLR	NC			10.00	60	55	57	84	6	19	29.97	30.08
<b>SUNRISE: 0631</b>						<b>OCT 26</b>						<b>SUNSET: 1740</b>																																																																																																			
03	FEW	250			9.00	54	53	53	96	0	00	29.97	30.08	06	CLR	NC			8.00	53	52	52	96	0	00	30.00	30.11	09	FEW	250			10.00	70	61	65	73	0	00	30.03	30.14	12	FEW	040			10.00	80	57	66	45	3	26	30.02	30.13	15	FEW	040			10.00	83	53	65	36	3	VR	29.97	30.07	18	FEW	250			10.00	69	58	62	68	0	00	30.01	30.12	21	CLR	NC			10.00	65	62	63	90	0	00	30.10	30.20	24	CLR	NC			10.00	62	61	61	97	0	00	30.16	30.27
<b>SUNRISE: 0631</b>						<b>OCT 27</b>						<b>SUNSET: 1739</b>																																																																																																			
03	SCT	130			10.00	65	53	58	65	13	36	30.27	30.37	06	FEW	250			10.00	58	30	46	35	16	01	30.37	30.48	09	CLR	NC			10.00	59	25	45	27	24	01	30.46	30.58	12	CLR	NC			10.00	64	28	48	26	17	33	30.43	30.55	15	CLR	NC			10.00	66	25	48	21	14	34	30.37	30.47	18	FEW	250			10.00	59	25	45	27	9	34	30.37	30.48	21	CLR	NC			10.00	53	26	42	35	6	33	30.43	30.55	24	CLR	NC			10.00	46	30	39	54	3	32	30.43	30.55
<b>SUNRISE: 0632</b>						<b>OCT 28</b>						<b>SUNSET: 1738</b>																																																																																																			
03	CLR	NC			10.00	43	32	38	65	3	32	30.42	30.54	06	CLR	NC			10.00	42	31	38	65	3	36	30.43	30.55	09	CLR	NC			10.00	52	32	43	47	6	06	30.47	30.59	12	FEW	250			10.00	62	27	47	26	5	VR	30.43	30.55	15	FEW	250			10.00	66	27	49	23	3	VR	30.35	30.47	18	FEW	250			10.00	56	38	47	51	0	00	30.32	30.44	21	CLR	NC			10.00	49	41	45	74	0	00	30.32	30.45	24	FEW	250			10.00	46	41	44	83	0	00	30.30	30.42
<b>SUNRISE: 0633</b>						<b>OCT 29</b>						<b>SUNSET: 1737</b>																																																																																																			
03	CLR	NC			10.00	44	41	43	89	0	00	30.29	30.40	06	CLR	NC			10.00	43	41	42	93	0	00	30.29	30.40	09	SCT	250			10.00	56	46	51	69	0	00	30.32	30.43	12	FEW	250			10.00	69	38	53	32	3	VR	30.27	30.38	15	CLR	NC			10.00	73	39	55	29	8	11	30.19	30.29	18	FEW	250			10.00	62	43	52	50	6	14	30.18	30.29	21	CLR	NC			10.00	57	47	52	69	5	18	30.22	30.33	24	CLR	NC			10.00	52	47	49	83	3	16	30.21	30.32
<b>SUNRISE: 0634</b>						<b>OCT 30</b>						<b>SUNSET: 1736</b>																																																																																																			
03	CLR	NC			10.00	50	47	49	90	0	00	30.21	30.32	06	CLR	NC			8.00	49	48	48	96	3	35	30.24	30.35	09	CLR	NC			10.00	65	58	61	78	6	10	30.29	30.41	12	FEW	040			10.00	76	57	65	52	9	16	30.27	30.39	15	FEW	045			10.00	73	57	63	57	13	12	30.22	30.33	18	SCT	250			10.00	67	54	60	63	11	13	30.24	30.36	21	FEW	250			10.00	62	58	60	87	7	13	30.29	30.40	24	SCT	250			10.00	60	58	59	93	5	11	30.29	30.40

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		DRY BULB	DEW POINT	WET BULB		RELATIVE HUMIDITY (PCT)	STATION	SEA LEVEL																																																																																																			
<b>SUNRISE: 0634</b>						<b>OCT 31</b>						<b>SUNSET: 1736</b>																																																																																																			
03	SCT	250			9.00	57	56	56	96	3	04	30.29	30.39	06	BKN	250			10.00	56	55	55	96	3	06	30.29	30.40	09	FEW	130			10.00	68	60	63	76	6	11	30.34	30.45	12	SCT	130			10.00	77	59	66	54	7	13	30.29	30.41	15	SCT	130			10.00	78	58	66	50	6	VR	30.24	30.35	18	SCT	250			10.00	71	60	64	68	10	14	30.22	30.34	21	FEW	250			10.00	63	61	62	93	5	13	30.24	30.35	24	FEW	250			5.00	60	60	60	100	0	00	30.24	30.35

## 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.

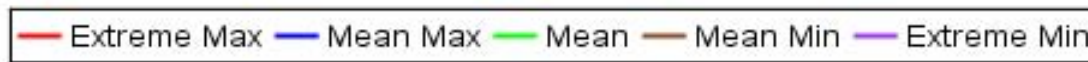
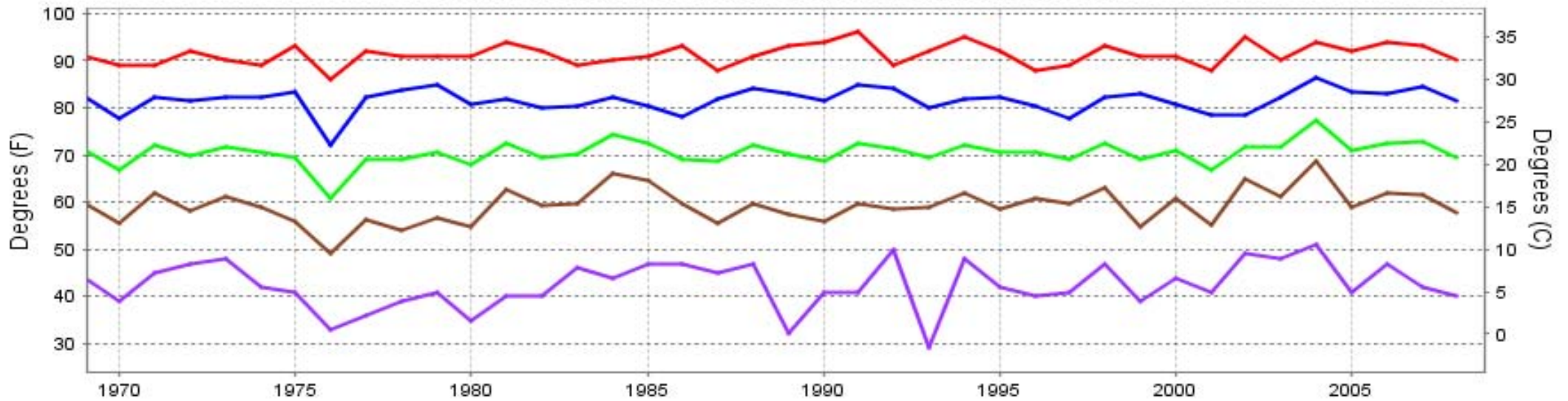
& = Original observation contained additional weather elements.

See page 3 for additional notes.

## SUMMARY BY HOUR

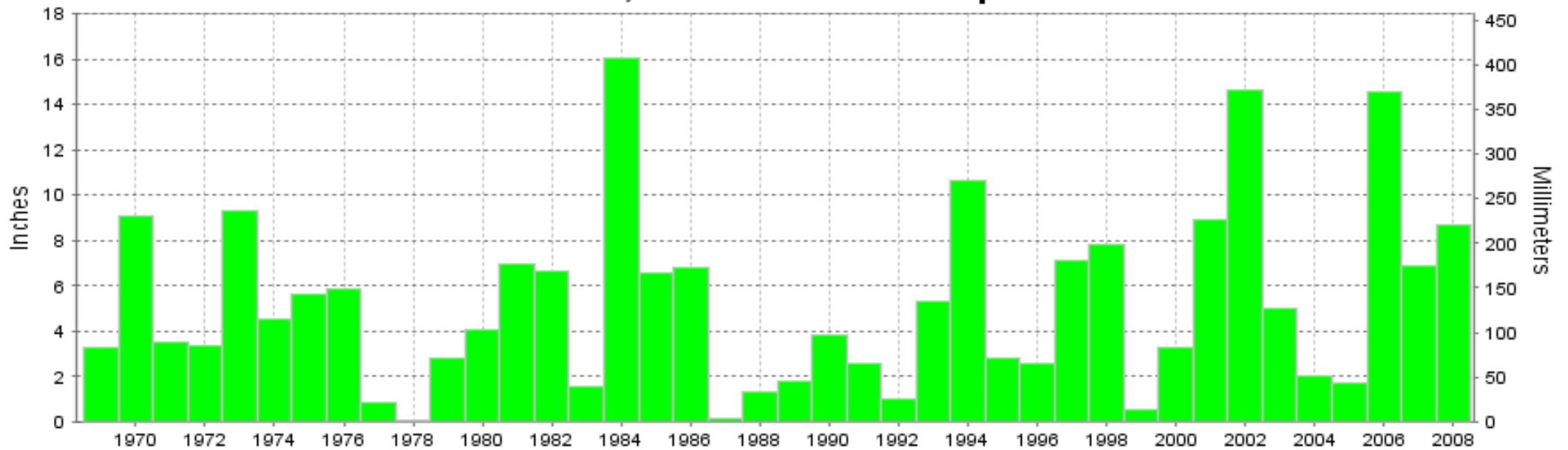
HOUR (LST)	AVERAGES										RESULTANT WIND (MPH)	
	CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (Inches, HG)		VISIBILITY (Miles)	WIND SPEED (MPH)	SPEED	DIRECTION
							STATION	SEA LEVEL				
01			63	58	60	87	29.99	30.11	9.10	3	1	10
02			62	58	60	88	30.00	30.08	8.90	3	2	10
03			61	58	59	89	30.00	30.11	8.68	3	1	10
04			61	57	59	89	30.00	30.11	8.26	4	1	11
05			61	57	58	89	30.01	30.12	8.32	4	1	10
06			60	57	58	89	30.02	30.14	8.29	4	1	10
07			60	57	58	89	30.03	30.15	7.56	5	1	10
08			65	58	61	82	30.05	30.16	8.71	5	3	10
09			69	59	63	72	30.06	30.18	9.35	7	5	09
10			73	58	65	63	30.06	30.18	9.74	8	5	09
11			75	58	65	56	30.05	30.17	9.77	9	4	09
12			77	57	65	52	30.03	30.14	9.74	8	3	09
13			79	56	66	48	30.01	30.12	9.97	8	5	09
14			79	56	66	47	29.98	30.09	9.69	8	4	09
15			80	55	65	46	29.97	30.08	9.87	9	5	09
16			79	55	65	46	29.97	30.07	9.77	9	5	09
17			77	56	65	52	29.96	30.08	9.32	9	6	09
18			72	57	64	62	29.97	30.09	9.52	8	4	09
19			69	58	63	70	29.99	30.10	9.43	7	3	09
20			68	59	63	73	30.00	30.12	9.90	5	2	10
21			67	58	62	76	30.02	30.13	9.94	6	1	10
22			65	58	61	80	30.03	30.13	9.58	4	2	10
23			64	59	61	83	30.02	30.13	9.07	3	2	10
24			63	59	61	86	30.02	30.13	9.26	3	1	10

## HOUSTON, TX OCTOBER Temperatures



Long-Term (1969-2008) Mean: 70.4  
 1971-2000 Normal: 70.4

## HOUSTON, TX OCTOBER Precipitation



Long-Term (1969-2008) Mean Monthly Total: 5.25


1971-2000 Normal: 4.50



**OCTOBER 2008  
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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