



# AUGUST 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



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			
									DEPTH	WATER- EQUIV	SNOW- FALL	WATER EQUIV			SPEED	DIR	SPEED	SPEED	DIR	SPEED	DIR			
01	98	76	87	3	72	77	0	22		0		0.0	0.00	29.80	29.91	6.2	19	7.4	22	15	20	15	01	
02	101*	77	89*	5	71	76	0	24		0		0.0	0.00	29.80	29.92	4.2	21	6.8	16	22	12	21	02	
03	100	74	87	3	72	76	0	22	TS TSRA RA BR	0		0.0	0.15	29.81	29.93	2.2	24	6.4	32	36	21	09	03	
04	99	72	86	2	71	75	0	21		0		0.0	0.00	29.80	29.90	4.7	09	5.7	16	10	14	10	04	
05	81	74	78	-6	72	74	0	13	RA BR	0		0.0	2.81	29.75	29.86	6.5	28	11.1	37*	29	25*	31	05	
06	91	76	84	0	74	76	0	19	TS TSRA RA	0		0.0	T	29.92	30.03	6.1	15	6.9	21	16	17	16	06	
07	96	75	86	2	73	76	0	21		0		0.0	0.00	29.86	29.99	3.3	18	4.8	18	22	14	13	07	
08	96	78	87	3	73	77	0	22		0		0.0	0.00	29.83	29.94	1.6	15	6.6			20	11	08	
09	95	75	85	1	72	76	0	20		0		0.0	0.00	29.80	29.91	4.0	16	5.1	20	13	17	14	09	
10	96	79	88	4	73	77	0	23		0		0.0	0.00	29.73	29.86	6.9	19	7.6	20	17	16	16	10	
11	96	80	88	4	73	77	0	23	RA	0		0.0	T	29.71	29.83	6.8	20	8.0	17	19	13	18	11	
12	89	81	85	1	74	77	0	20	RA	0		0.0	0.01	29.67	29.78	6.3	23	6.9	21	22	15	23	12	
13	94	78	86	2	73	77	0	21	BR HZ	0		0.0	0.00	29.70	29.81	0.7	11	4.6			10	14	13	
14	97	76	87	3	72	76	0	22	BR	0		0.0	0.00	29.77	29.88	2.8	16	4.2	21	13	16	13	14	
15	91	75	83	-1	75	77	0	18	TS TSRA RA FG BR	0		0.0	0.47	29.83	29.93	2.5	14	4.2	23	18	18	19	15	
16	87	73	80	-3	74	76	0	15	TS TSRA RA BR HZ	0		0.0	0.61	29.85	29.96	2.2	01	4.8	18	24	15	24	16	
17	90	73	82	-1	72	74	0	17	RA	0		0.0	0.01	29.80	29.93	2.4	07	4.8	22	20	16	19	17	
18	86	74	80	-3	73	74	0	15	TS TSRA RA BR	0		0.0	0.97	29.77	29.89	1.7	11	3.1	22	17	16	18	18	
19	81	72*	77*	-6	71	72	0	12	RA FG BR	0		0.0	0.32	29.75	29.87	4.4	14	5.5	17	16	15	15	19	
20	85	73	79	-4	73	74	0	14	TS TSRA RA BR	0		0.0	0.33	29.73	29.85	2.1	15	4.3	18	15	16	14	20	
21	88	74	81	-2	74	75	0	16	TS TSRA RA BR	0		0.0	1.03	29.78	29.90	3.9	14	5.2	23	15	22	14	21	
22	91	76	84	1	74	77	0	19		0		0.0	0.00	29.85	29.96	6.2	14	6.9	20	15	17	12	22	
23	95	75	85	2	72	75	0	20		0		0.0	0.00	29.84	29.96	2.3	02	3.7	20	06	17	05	23	
24	91	73	82	-1	71	74	0	17		0		0.0	0.00	29.76	29.88	3.6	35	5.1	16	01	13	36	24	
25	94	77	86	4	71		0	21		0		0.0	0.00			4.4	33	5.2	17	35	11	35	25	
26	95	75	85	3	73		0	20	TS TSRA RA BR HZ	0		0.0	0.74	29.73		1.4	09	3.9			22	12	26	
27	94	75	85	3	73	76	0	20	TS	0		0.0	0.00	29.77	29.88	3.1	17	4.2	22	15	18	15	27	
28	93	75	84	2	72	76	0	19		0		0.0	0.00	29.76	29.87	2.6	15	4.6	17	14	16	14	28	
29	93	75	84	2	71	75	0	19		0		0.0	0.00	29.80	29.91	2.5	07	3.7			16	06	29	
30	94	74	84	2	71	75	0	19		0		0.0	0.00	29.80		3.7	09	5.1	18	11	14	07	30	
31	94	75	85	3	71	75	0	20	BR HZ	0		0.0	0.00	29.73	29.86	6.1	04	6.7	20	04	15	36	31	
92.6		75.3	84.0	Σ	72.5	75.6	0.0	19.2	< MONTHLY AVERAGES   TOTALS >			0.0	7.45	29.78	29.90	1.6	16	5.6	< MONTHLY AVERAGES					
-0.9		2.3	0.7		<----- DEPARTURE FROM NORMAL ----->						3.62	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3												
<b>DEGREE DAYS</b>									GREATEST 24-HR PRECIPITATION : 2.81 DATE : 05				SEA LEVEL PRESSURE				DATE TIME							
MONTHLY				SEASON TO DATE					GREATEST 24-HR SNOWFALL : 0.0 DATE :				MAXIMUM : 30.06 06 1153											
TOTAL DEPARTURE				TOTAL DEPARTURE					GREATEST SNOW DEPTH : 0 DATE :				MINIMUM : 29.71 12 1757											
HEATING :		0 0		0 0		0 0		NUMBER OF ->		MAXIMUM TEMP >= 90 : 24		MINIMUM TEMP <= 32 : 0		PRECIPITATION >= 0.01 INCH : 11										
COOLING :		594 31		2524 329				DAYS WITH		MAXIMUM TEMP <= 32 : 0		MINIMUM TEMP <= 0 : 0		PRECIPITATION >= 0.10 INCH : 9										
										THUNDERSTORMS : 9		HEAVY FOG : 0		SNOWFALL >= 1.0 INCH : 0										

AUGUST 2008  
HOUSTON, TX

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

HOUSTON, TX (KIAH)  
AUGUST 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			0.12	T				0.03	T		03	0.15	0.15		
04													04											04	0.00	0.00		
05						0.05	0.08	0.36	1.03	0.26	0.42	0.35	05	0.13	0.08	0.02	0.03	T	T					05	2.81	2.81		
06												T	06										T	06	T	T		
07													07											07	0.00	0.00		
08													08											08	0.00	0.00		
09													09											09	0.00	0.00		
10													10											10	0.00	0.00		
11													11			T	T							11	T	T		
12												T	12	0.01	T									12	0.01	0.01		
13													13											13	0.00	0.00		
14													14											14	0.00	0.00		
15												T	15	0.47	T				T	T				15	0.47	0.47		
16													16	0.09	0.16	0.08	T	T	0.01					16	0.61	0.61		
17													17					0.01						17	0.01	0.01		
18													18	0.55	0.15	0.12	T	T					T	18	0.97	0.97		
19		T	T				0.12	0.05	0.05	0.01	0.01	T	19	T							T	0.09	0.06	19	0.32	0.32		
20	0.01			0.01	0.10	T				T	T		20	0.01							T	0.03	0.05	20	0.33	0.33		
21					T	0.30	T	0.02	T			T	21	0.04	0.23	T	0.44	T						21	1.03	1.03		
22													22											22	0.00	0.00		
23													23											23	0.00	0.00		
24													24											24	0.00	0.00		
25													25											25	0.00	0.00		
26													26			0.09	0.15	0.33	0.17					26	0.74	0.74		
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)	0.27	0.43	0.52	0.57	0.69	0.99	1.10	1.31	1.43	1.52	1.60	1.80
Ending Date	21	21	18	18	05	05	05	05	05	05	05	05
Ending Time (Hr/Min)	1552	1552	1257	1302	0846	0901	0914	0902	0922	0922	0942	1116

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 AUGUST 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							6.00	10.00	
04							10.00	10.00	
05							0.25	10.00	
06							10.00	10.00	
07							10.00	10.00	
08							10.00	10.00	
09							10.00	10.00	
10							10.00	10.00	
11							10.00	10.00	
12							7.00	10.00	
13							5.00	10.00	
14							5.00	10.00	
15							5.00	10.00	
16							0.50	10.00	
17							7.00	10.00	
18							1.00	10.00	
19							2.00	10.00	
20							3.00	10.00	
21							0.75	10.00	
22							8.00	10.00	
23							3.00	10.00	
24							7.00	10.00	
25							8.00	10.00	
26							0.50	10.00	
27							8.00	10.00	
28							9.00	10.00	
29							10.00	10.00	
30							7.00	10.00	
31							6.00	10.00	
MONTHLY AVGS							6.42	10.00	
<b>SUNSHINE (Minutes)</b>									
Total : 0					Possible : 24560				
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				18		

# OBSERVATIONS AT 3-HOURLY INTERVALS

**HOUSTON, TX**  
AUGUST 2008

KIAH

WBAN # 12960

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		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	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL											
<b>SUNRISE: 0540</b>							<b>AUG 01</b>							<b>SUNSET: 1915</b>																					
03	SCT	250			10.00		80	74	76	82	3	19	29.77	29.88	03	SCT	250			10.00		77	74	75	91	3	17	29.80	29.91						
06	SCT	250			10.00		86	73	77	65	8	21	29.84	29.94	06	SCT	250			10.00		94	69	77	44	6	20	29.84	29.95						
09	SCT	250			10.00		97	67	76	38	9	17	29.77	29.88	12	SCT	037			10.00		92	74	79	56	16	10	29.75	29.85						
12	SCT	037			10.00		86	73	77	65	9	18	29.81	29.91	15	SCT	060			10.00		82	73	76	74	8	21	29.82	29.92						
15	SCT	060			10.00		79	74	76	85	0	00	29.82	29.93	18	SCT	250			10.00		78	74	75	88	5	24	29.84	29.95						
18	SCT	250			10.00		84	75	78	74	10	26	29.87	29.98	21	SCT	250			10.00		94	71	78	47	7	VR	29.84	29.95						
21	SCT	250			10.00		98	67	77	36	9	20	29.78	29.88	24	FEW	250			10.00		98	63	74	32	7	17	29.75	29.85						
24	FEW	250			10.00		89	69	75	52	8	19	29.80	29.91	<b>SUNRISE: 0541</b>							<b>AUG 02</b>							<b>SUNSET: 1915</b>						
<b>SUNRISE: 0542</b>							<b>AUG 03</b>							<b>SUNSET: 1914</b>																					
03	CLR	NC			10.00		81	75	77	82	6	25	29.82	29.93	03	CLR	NC			10.00		79	74	76	85	0	00	29.82	29.93						
06	BKN	250			10.00		79	75	76	88	5	25	29.85	29.96	06	FEW	250			10.00		78	74	75	88	5	24	29.84	29.95						
09	SCT	250			10.00		87	69	75	55	10	18	29.86	29.97	09	BKN	015			10.00		84	75	78	74	10	26	29.87	29.98						
12	SCT	250			10.00		93	69	76	46	8	24	29.84	29.95	12	SCT	035			10.00		94	71	78	47	7	VR	29.84	29.95						
15	BKN	250			10.00		97	67	76	38	3	VR	29.77	29.88	15	SCT	065			10.00		98	67	77	36	9	20	29.78	29.88						
18	OVC	250			10.00		81	72	75	74	5	27	29.78	29.89	18	SCT	250			10.00		98	63	74	32	7	17	29.75	29.85						
21	OVC	250			10.00		80	75	77	85	6	31	29.78	29.89	21	FEW	250			10.00		89	69	75	52	8	19	29.80	29.91						
24	BKN	250			10.00		75	71	72	87	0	00	29.79	29.89	24	CLR	NC			10.00		83	73	76	72	9	23	29.81	29.92						
<b>SUNRISE: 0542</b>							<b>AUG 04</b>							<b>SUNSET: 1913</b>																					
03	BKN	250			10.00		73	70	71	90	0	00	29.78	29.89	03	CLR	NC			10.00		79	74	76	85	0	00	29.82	29.93						
06	BKN	250			10.00		74	71	72	90	6	02	29.83	29.94	06	FEW	250			10.00		78	74	75	88	5	24	29.84	29.95						
09	SCT	250			10.00		84	71	75	65	3	VR	29.84	29.95	09	BKN	250			10.00		87	69	75	55	10	18	29.86	29.97						
12	SCT	250			10.00		95	71	78	46	8	05	29.82	29.93	12	SCT	250			10.00		93	69	76	46	8	24	29.84	29.95						
15	SCT	250			10.00		98	71	79	42	8	09	29.78	29.88	15	BKN	250			10.00		97	67	76	38	3	VR	29.77	29.88						
18	SCT	250			10.00		92	72	78	52	11	11	29.75	29.85	18	OVC	250			10.00		81	72	75	74	5	27	29.78	29.89						
21	SCT	250			10.00		85	72	76	65	6	13	29.77	29.88	21	OVC	250			10.00		80	75	77	85	6	31	29.78	29.89						
24	FEW	250			10.00		80	73	75	79	3	15	29.81	29.91	24	BKN	250			10.00		75	71	72	87	0	00	29.79	29.89						
<b>SUNRISE: 0543</b>							<b>AUG 05</b>							<b>SUNSET: 1912</b>																					
03	SCT	250			10.00		79	70	73	74	7	34	29.78	29.88	03	SCT	250			10.00		79	70	72	82	13	29	29.76	29.86						
06	OVC	085			7.00	RA	76	70	72	82	13	29	29.76	29.86	06	BKN	250			10.00		74	72	73	94	20	30	29.71	29.82						
09	OVC	050			0.50	-RA BR	74	72	73	94	20	30	29.71	29.82	09	OVC	250			10.00		76	73	74	90	21	30	29.67	29.78						
12	OVC	025			0.25	-RA BR	76	73	74	90	21	30	29.67	29.78	12	BKN	250			10.00		77	73	74	88	8	23	29.70	29.80						
15	BKN	048			2.00	-RA BR	77	73	74	88	8	23	29.70	29.80	15	BKN	250			10.00		79	72	74	79	8	18	29.76	29.87						
18	OVC	050			10.00		79	72	74	79	8	18	29.76	29.87	18	OVC	250			10.00		78	71	73	79	8	16	29.83	29.94						
21	BKN	250			10.00		78	71	73	79	8	16	29.83	29.94	21	BKN	250			10.00		79	75	76	88	7	17	29.86	29.96						
24	BKN	250			10.00		79	75	76	88	7	17	29.86	29.96																					
<b>SUNRISE: 0543</b>							<b>AUG 06</b>							<b>SUNSET: 1912</b>																					
03	BKN	250			10.00		79	75	76	88	6	16	29.90	30.01	03	OVC	250			10.00		79	75	76	88	6	16	29.90	30.01						
06	BKN	250			10.00		76	73	74	90	0	00	29.92	30.03	06	BKN	250			10.00		76	73	74	90	0	00	29.92	30.03						
09	BKN	250			10.00		84	75	78	74	7	18	29.95	30.06	09	BKN	250			10.00		84	75	78	74	7	18	29.95	30.06						
12	SCT	035			10.00	TS	83	73	76	72	10	15	29.96	30.06	12	SCT	035			10.00		83	73	76	72	10	15	29.96	30.06						
15	SCT	060			10.00		84	72	76	67	7	16	29.92	30.03	15	SCT	060			10.00		84	72	76	67	7	16	29.92	30.03						
18	BKN	250			10.00		86	75	78	70	13	11	29.90	30.01	18	BKN	250			10.00		86	75	78	70	13	11	29.90	30.01						
21	BKN	250			10.00		81	76	77	85	5	16	29.92	30.03	21	BKN	250			10.00		81	76	77	85	5	16	29.92	30.03						
24	SCT	250			10.00		79	75	76	88	5	17	29.93	30.03	24	SCT	250			10.00		79	75	76	88	5	17	29.93	30.03						
<b>SUNRISE: 0544</b>							<b>AUG 07</b>							<b>SUNSET: 1911</b>																					
03	SCT	250			10.00		78	75	76	91	0	00	29.91	30.01	03	CLR	NC			10.00		79	74	76	88	5	24	29.83	29.93						
06	SCT	250			10.00		77	75	76	94	0	00	29.93	30.03	06	SCT	250			10.00		78	75	76	91	5	30	29.86	29.97						
09	BKN	030			10.00		85	74	77	70	7	26	29.95	30.05	09	BKN	250			10.00		85	74	77	70	8	24	29.87	29.98						
12	SCT	250			10.00		91	70	76	50	3	VR	29.91	30.02	12	BKN	250			10.00		92	70	77	49	7	33	29.86	29.97						
15	SCT	250			10.00		94	70	77	46	6	17	29.83	29.94	15	BKN	250			10.00		96	70	78	43	6	VR	29.79	29.90						
18	SCT	250			10.00		91	73	78	56	10	13	29.81	29.92	18	BKN	250			10.00		92	70	77	49	8	11	29.77	29.88						
21	SCT	250			10.00		85	73	77	67	6	18	29.83	29.94	21	BKN	250			10.00		83	77	79	82	11	12	29.80	29.90						
24	CLR	NC			10.00		81	73	75	77	6	21	29.84	29.94	24	SCT	250			10.00		80	75	77	85	5	16	29.83	29.93						
<b>SUNRISE: 0545</b>							<b>AUG 08</b>							<b>SUNSET: 1910</b>																					
03	CLR	NC			10.00		79	75	76	88	5	24	29.83	29.93	03	CLR	NC			10.00		79	75	76	88	5	24	29.83	29.93						
06	SCT	250			10.00		78	75	76	91	5	30	29.86	29.97	06	SCT	250			10.00		78	75	76	91	5	30	29.86	29.97						
09	BKN	250			10.00		85	74	77	70	8	24	29.87	29.98	09	BKN	250			10.00		85	74	77	70	8	24	29.87	29.98						
12	BKN	250			10.00		92	70	77	49	7	33	29.86	29.97	12	BKN	250			10.00		92	70	77	49	7	33	29.86	29.97						
15	BKN	250			10.00		96	70	78	43	6																								

# OBSERVATIONS AT 3-HOURLY INTERVALS

**HOUSTON, TX**  
AUGUST 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		
																												WEATHER	WEATHER
<b>SUNRISE: 0547</b>						<b>AUG 13</b>						<b>SUNSET: 1906</b>																	
03	BKN	250				81	76	77	85	5	24	29.66	29.76	03	OVC	110			8.00	BR	73	71	72	93	6	13	29.75	29.85	
06	OVC	250			HZ	80	75	77	85	3	29	29.68	29.78	06	OVC	065			4.00	BR	74	72	73	94	5	21	29.75	29.86	
09	BKN	250				84	74	77	72	7	05	29.73	29.84	09	BKN	085			4.00	BR	73	71	72	93	7	16	29.78	29.89	
12	BKN	250				89	73	78	59	6	03	29.73	29.83	12	BKN	060		-RA	8.00	-RA	77	72	74	85	5	15	29.80	29.90	
15	SCT	250				93	70	77	47	3	VR	29.69	29.79	15	OVC	130			10.00		81	72	75	74	13	14	29.75	29.85	
18	SCT	250				88	73	77	61	10	14	29.68	29.78	18	BKN	130			10.00		78	68	71	71	7	17	29.72	29.82	
21	SCT	250				82	72	75	72	0	00	29.73	29.83	21	OVC	065			10.00		75	69	71	82	7	11	29.76	29.87	
24	SCT	250				80	73	75	79	0	00	29.75	29.85	24	OVC	055			6.00	RA BR	73	71	72	93	0	00	29.76	29.87	
<b>SUNRISE: 0548</b>						<b>AUG 14</b>						<b>SUNRISE: 0552</b>						<b>AUG 20</b>						<b>SUNSET: 1859</b>					
03	FEW	250				78	74	75	88	3	25	29.76	29.86	03	OVC	110			10.00		74	71	72	90	7	07	29.71	29.82	
06	SCT	250			BR	77	74	75	91	0	00	29.78	29.88	06	OVC	070			3.00	BR	74	72	73	94	0	00	29.73	29.84	
09	FEW	020				85	75	78	72	0	00	29.81	29.91	09	BKN	050		-RA BR	4.00	-RA BR	79	74	76	85	7	30	29.76	29.87	
12	SCT	250				91	68	75	47	0	00	29.79	29.90	12	BKN	016		-TSRA BR	4.00	-TSRA BR	75	72	73	90	3	19	29.77	29.88	
15	SCT	250				94	67	75	41	0	00	29.75	29.86	15	BKN	130			10.00		83	74	77	74	10	16	29.73	29.84	
18	SCT	250				90	72	77	56	15	18	29.74	29.85	18	BKN	250			10.00		82	72	75	72	10	17	29.72	29.82	
21	FEW	250				84	74	77	72	7	17	29.77	29.88	21	BKN	250			10.00		76	73	74	90	0	00	29.73	29.84	
24	FEW	250				80	75	77	85	5	17	29.80	29.91	24	SCT	250			10.00		76	74	75	94	3	16	29.76	29.87	
<b>SUNRISE: 0549</b>						<b>AUG 15</b>						<b>SUNRISE: 0552</b>						<b>AUG 21</b>						<b>SUNSET: 1858</b>					
03	SCT	250				79	76	77	91	0	00	29.80	29.91	03	SCT	250			7.00		77	74	75	91	3	17	29.76	29.86	
06	SCT	250			BR	78	75	76	91	0	00	29.81	29.92	06	OVC	090		-TSRA BR	5.00	-TSRA BR	75	71	72	87	5	21	29.78	29.89	
09	BKN	250				86	74	78	68	5	23	29.84	29.94	09	BKN	080			10.00		77	74	75	91	0	00	29.84	29.95	
12	BKN	036			-TSRA	81	75	77	82	14	19	29.87	29.98	12	BKN	037			10.00		87	74	78	65	7	16	29.81	29.92	
15	BKN	250				84	75	78	74	7	11	29.83	29.93	15	BKN	130			10.00		83	75	77	77	14	06	29.79	29.90	
18	BKN	250			-RA	82	74	76	77	8	14	29.82	29.92	18	BKN	250			10.00		79	72	74	79	6	11	29.75	29.86	
21	BKN	250				79	75	76	88	5	17	29.84	29.94	21	SCT	250			10.00		79	74	76	85	6	17	29.79	29.90	
24	SCT	130				79	75	76	88	0	00	29.87	29.98	24	CLR	NC			10.00		76	73	74	90	0	00	29.83	29.93	
<b>SUNRISE: 0549</b>						<b>AUG 16</b>						<b>SUNRISE: 0553</b>						<b>AUG 22</b>						<b>SUNSET: 1856</b>					
03	SCT	130				77	75	76	94	3	34	29.85	29.96	03	FEW	050			10.00		77	74	75	91	3	18	29.83	29.94	
06	SCT	130				76	74	75	94	3	03	29.86	29.97	06	SCT	250			9.00		78	75	76	91	5	16	29.85	29.96	
09	BKN	250				83	77	79	82	5	VR	29.87	29.97	09	BKN	250			10.00		84	76	78	77	8	17	29.89	30.00	
12	BKN	130			-RA BR	80	72	75	77	9	26	29.88	29.99	12	BKN	250			10.00		89	72	77	57	6	16	29.87	29.97	
15	OVC	130				77	71	73	82	3	VR	29.85	29.95	15	BKN	250			10.00		90	74	79	59	15	12	29.83	29.93	
18	BKN	250				79	75	76	88	0	00	29.81	29.92	18	BKN	250			10.00		85	74	77	70	10	12	29.82	29.93	
21	BKN	250				77	75	76	94	5	VR	29.85	29.96	21	SCT	250			10.00		80	75	77	85	6	15	29.87	29.98	
24	BKN	130				76	72	73	87	8	03	29.87	29.98	24	BKN	250			10.00		79	74	76	85	0	00	29.86	29.97	
<b>SUNRISE: 0550</b>						<b>AUG 17</b>						<b>SUNRISE: 0553</b>						<b>AUG 23</b>						<b>SUNSET: 1855</b>					
03	BKN	015				74	71	72	90	8	03	29.85	29.96	03	SCT	130			10.00		76	74	75	94	0	00	29.88	29.98	
06	SCT	250				73	70	71	90	6	04	29.86	29.96	06	SCT	130			8.00		75	73	74	94	0	00	29.89	30.00	
09	BKN	250				78	71	73	79	7	08	29.88	29.99	09	BKN	250			10.00		83	76	78	80	7	34	29.93	30.03	
12	BKN	250				86	72	76	63	5	VR	29.84	29.95	12	SCT	250			10.00		90	70	76	52	3	05	29.89	30.00	
15	SCT	250				89	70	76	54	7	VR	29.78	29.89	15	BKN	250			10.00		92	69	76	47	6	03	29.81	29.92	
18	BKN	250				81	72	75	74	5	19	29.77	29.88	18	BKN	250			10.00		89	73	78	59	5	32	29.78	29.89	
21	BKN	250				78	72	74	82	3	33	29.78	29.89	21	BKN	250			10.00		84	72	76	67	7	36	29.83	29.93	
24	BKN	130				78	72	74	82	0	00	29.80	29.90	24	BKN	250			10.00		77	70	72	79	0	00	29.83	29.93	
<b>SUNRISE: 0550</b>						<b>AUG 18</b>						<b>SUNRISE: 0554</b>						<b>AUG 24</b>						<b>SUNSET: 1854</b>					
03	BKN	250				76	73	74	90	3	22	29.77	29.88	03	SCT	130			10.00		75	70	72	85	5	35	29.80	29.91	
06	BKN	250			BR	75	73	74	94	0	00	29.78	29.89	06	FEW	130			10.00		73	69	70	87	7	36	29.82	29.93	
09	OVC	250				82	73	76	74	5	VR	29.81	29.91	09	SCT	250			10.00		79	71	74	77	6	VR	29.84	29.94	
12	OVC	250				85	71	75	63	5	18	29.78	29.88	12	SCT	250			10.00		89	71	76	55	6	VR	29.81	29.92	
15	SCT	025			-TSRA BR	76	73	74	90	0	00	29.77	29.88	15	SCT	250			10.00		90	72	77	56	7	36	29.74	29.84	
18	OVC	250				78	73	75	85	6	08	29.74	29.85	18	SCT	250			10.00		89	71	76	55	3	32	29.72	29.82	
21	BKN	130				76	74	75	94	8	06	29.77	29.88	21	SCT	250			10.00		84	72	76	67	3	28	29.71	29.82	
24	OVC	095			BR	75	72	73	90	5	09	29.78	29.89	24	SCT	250			10.00		81	72	75	74	5	28	29.73	29.83	

# OBSERVATIONS AT 3-HOURLY INTERVALS

**HOUSTON, TX**  
AUGUST 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 Clد Amt Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT		WET BULB	RELATIVE HUMIDITY (PCT)	STATION	SEA LEVEL
<b>SUNRISE: 0554      AUG 25      SUNSET: 1853</b>													
03	FEW	250				78	72	74	82	6	27	29.71	29.81
06	FEW	250				77	71	73	82	5	32	29.72	29.82
09	FEW	250				85	71	75	63	6	VR	29.74	29.84
12	SCT	250				92	71	77	50	11	35	29.72	29.83
15	SCT	250				93	69			11	35		
18	SCT	250				90	67			9	36		
21	SCT	250				81	73			0	00		
24	SCT	250				79	73			0	00		
<b>SUNRISE: 0555      AUG 26      SUNSET: 1852</b>													
03	SCT	250				77	73			0	00		
06	SCT	250			BR	76	72			0	00		
09	FEW	250				85	72	76	65	5	VR	29.76	29.86
12	SCT	250				92	70	77	49	3	14	29.74	29.85
15	BKN	250				93	70	77	47	0	00	29.69	29.80
18	BKN	080			+RA	80	73	75	79	13	31	29.71	29.82
21	SCT	250				78	75	76	91	0	00	29.73	29.83
24	FEW	250				76	74	75	94	0	00	29.75	29.85
<b>SUNRISE: 0555      AUG 27      SUNSET: 1851</b>													
03	FEW	250				76	73	74	90	0	00	29.75	29.86
06	SCT	250				76	73	74	90	0	00	29.78	29.89
09	SCT	250				85	75	78	72	6	28	29.82	29.93
12	SCT	250				91	70	76	50	6	23	29.80	29.90
15	BKN	250				93	69	76	46	5	VR	29.73	29.84
18	BKN	085				82	73	76	74	11	17	29.74	29.85
21	SCT	250				82	74	76	77	6	19	29.77	29.88
24	FEW	250				79	74	76	85	3	19	29.78	29.88
<b>SUNRISE: 0556      AUG 28      SUNSET: 1850</b>													
03	SCT	250				78	74	75	88	3	20	29.77	29.88
06													
09	SCT	250				84	72	76	67	3	27	29.80	29.91
12	SCT	250				90	71	77	54	6	18	29.79	29.90
15	SCT	250				91	69	76	49	7	VR	29.73	29.84
18	SCT	250				87	72	77	61	14	13	29.71	29.82
21	SCT	250				82	72	75	72	6	18	29.77	29.88
24	CLR	NC				79	73	75	82	3	19	29.79	29.90
<b>SUNRISE: 0557      AUG 29      SUNSET: 1849</b>													
03	FEW	250				76	73	74	90	3	35	29.78	29.89
06	BKN	250				75	73	74	94	0	00	29.82	29.93
09	BKN	250				84	75	78	74	5	05	29.85	29.95
12	BKN	250				90	71	77	54	5	VR	29.84	29.95
15	BKN	250				92	70	77	49	9	13	29.76	29.87
18	BKN	250				86	64	72	48	9	03	29.77	29.87
21	SCT	250				78	71	73	79	0	00	29.82	29.93
24	CLR	NC				76	71	73	85	3	26	29.82	
<b>SUNRISE: 0557      AUG 30      SUNSET: 1848</b>													
03	BKN	130				76	71	73	85	0	00	29.81	
06	SCT	130				75	71	72	87	3	01	29.82	
09	SCT	250				84	71	75	65	7	06	29.87	
12	SCT	250				91	69	76	49	8	10	29.85	29.95
15	SCT	250				93	68	76	44	8	11	29.79	29.90
18	SCT	250				88	72	77	59	9	13	29.77	29.87
21	FEW	250				80	73	75	79	0	00	29.81	29.91
24	CLR	NC				78	73	75	85	0	00	29.82	29.92

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 Clد Amt Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT		WET BULB	RELATIVE HUMIDITY (PCT)	STATION	SEA LEVEL
<b>SUNRISE: 0558      AUG 31      SUNSET: 1846</b>													
03	FEW	060				78	73	75	85	0	00	29.79	29.90
06	SCT	250				76	71	73	85	5	01	29.79	29.90
09	FEW	250				86	73	77	65	9	06	29.81	29.91
12	SCT	250				91	70	76	50	9	04	29.78	29.89
15	SCT	250				93	70	77	47	8	06	29.72	29.82
18	BKN	250				89	70	76	54	10	08	29.69	29.79
21	BKN	250				85	70	75	61	7	04	29.71	29.81
24	OVC	250				81	71	74	72	7	03	29.70	29.81

**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.

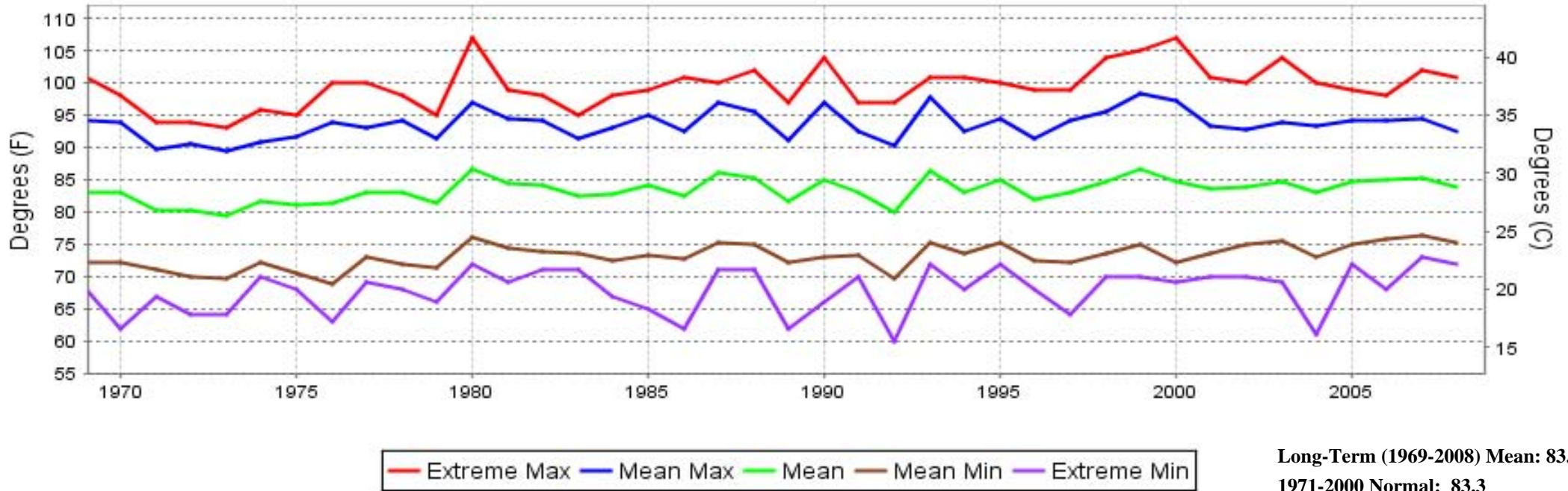
& = Original observation contained additional weather elements.

See page 3 for additional notes.

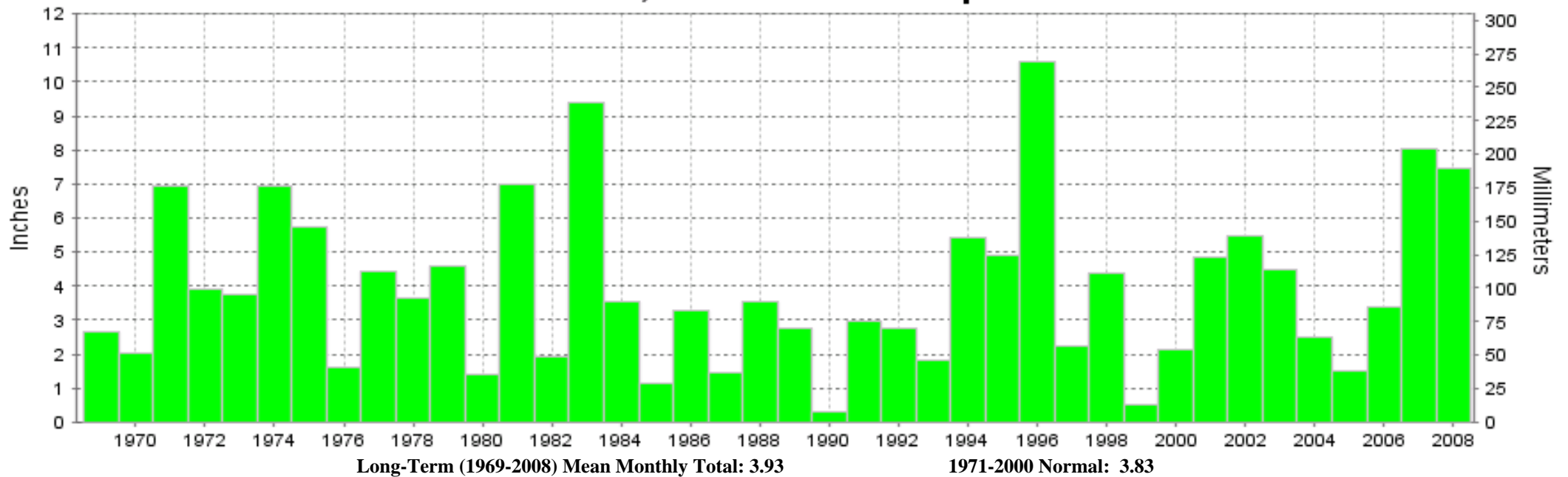
## SUMMARY BY HOUR

HOUR (LST)	AVERAGES								RESULTANT WIND (MPH)			
	CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (Inches, HG)		WIND SPEED (MPH)	DIRECTION		
							STATION	SEA LEVEL				
01			78	73	75	85	29.79	29.89	9.70	4	3	17
02			78	73	75	87	29.79	29.89	9.45	3	3	19
03			78	73	75	87	29.79	29.89	9.42	3	3	20
04			77	73	75	88	29.79	29.89	9.23	3	3	19
05			77	73	74	89	29.79	29.90	9.19	3	3	20
06			77	73	74	89	29.81	29.91	8.13	4	3	21
07			78	74	75	86	29.82	29.92	8.39	4	4	17
08			81	74	76	80	29.83	29.93	8.42	5	3	20
09			83	73	76	73	29.83	29.93	9.11	7	3	22
10			85	73	76	66	29.83	29.94	9.43	7	3	23
11			87	72	77	62	29.83	29.93	9.62	6	3	19
12			88	71	76	58	29.81	29.92	9.02	7	3	21
13			89	71	76	58	29.80	29.90	9.30	7	3	16
14			89	71	76	57	29.78	29.89	9.35	8	3	14
15			90	71	77	55	29.76	29.87	9.48	7	4	14
16			89	71	76	59	29.75	29.86	8.91	9	5	12
17			88	71	76	60	29.75	29.85	10.00	9	5	11
18			86	72	76	64	29.75	29.85	10.00	9	4	12
19			84	72	76	69	29.75	29.86	9.97	8	5	12
20			82	73	76	73	29.77	29.87	9.97	6	2	15
21			81	73	76	76	29.78	29.89	9.84	5	3	16
22			80	73	75	78	29.79	29.90	9.84	5	3	14
23			80	73	75	81	29.80	29.90	9.52	4	3	17
24			79	73	75	83	29.80	29.90	9.55	3	3	18

## HOUSTON, TX AUGUST Temperatures



## HOUSTON, TX AUGUST Precipitation

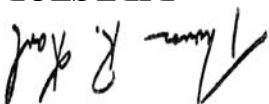




**AUGUST 2008  
HOUSTON, TX**

# **LOCAL CLIMATOLOGICAL DATA NOAA, National Climatic Data Center**

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