



# AUGUST 2014 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			
20	21	22	23																					
01	87	73	80	-4	71	74	0	15	RA	0		0.0	0.01	29.85	29.96	4.4	33	6.8	20	16	15	17	01	
02	82	71*	77*	-7	69	72	0	12		0		0.0	0.00	29.88	29.99	4.3	35	4.8			10	01	02	
03	89	72	81	-3	71	73	0	16	BR	0		0.0	0.00	29.85	29.97	6.2	02	6.6	21	03	14	03	03	
04	92	73	83	-1	74	76	0	18	RA BR	0		0.0	T	29.86	29.98	4.7	07	5.8	31	10	25	11	04	
05	92	74	83	-1	74	77	0	18	RA	0		0.0	T	29.90	30.01	3.6	13	5.3	15	13	13	13	05	
06	94	75	85	1	74	77	0	20	RA	0		0.0	T	29.87	29.99	4.4	17	5.0	18	16	15	14	06	
07	95	79	87	3	75	78	0	22		0		0.0	0.00	29.82	29.93	5.5	18	6.4	21	14	16	16	07	
08	97	77	87	3	75	78	0	22	TS RA	0		0.0	0.10	29.84	29.95	5.2	19	6.2	26	19	20	18	08	
09	94	77	86	2	75	78	0	21		0		0.0	0.00	29.86	29.98	3.4	19	4.6	29	22	21	15	09	
10	94	78	86	2	76	78	0	21		0		0.0	0.00	29.88	29.99	2.5	18	3.7	20	11	16	11	10	
11	97	75	86	2	74	77	0	21	TS TSRA RA	0		0.0	0.25	29.88	30.00	1.7	25	3.0	46*	03	35*	03	11	
12	97	76	87	3	72	76	0	22		0		0.0	0.00	29.86	29.98	2.5	03	3.4	20	05	14	05	12	
13	94	73	84	0	67	72	0	19		0		0.0	0.00	29.88	30.00	5.3	03	6.5	16	03	12	04	13	
14	93	73	83	-1	69	74	0	18	RA	0		0.0	0.02	29.88	29.99	5.3	11	6.7	20	13	16	14	14	
15	96	75	86	2	73	77	0	21		0		0.0	0.00	29.84	29.96	3.6	15	5.1	20	17	15	15	15	
16	98	80	89*	6	74	78	0	24	TS	0		0.0	0.00	29.84	29.95	6.6	18	7.7	31	14	26	14	16	
17	97	78	88	5	74	78	0	23	RA	0		0.0	T	29.85	29.96	6.8	19	7.4	24	24	18	17	17	
18	96	76	86	3	75	78	0	21	TS	0		0.0	0.00	29.82	29.94	5.2	18	6.2	25	20	20	21	18	
19	94	76	85	2	75	77	0	20	TSRA RA	0		0.0	T	29.82	29.93	5.2	14	7.4	24	13	20	13	19	
20	96	74	85	2	75	77	0	20	TS TSRA RA	0		0.0	0.01	29.86	29.97	5.6	15	6.4	25	23	20	22	20	
21	98	76	87	4	74	78	0	22		0		0.0	0.00	29.93	30.04	7.4	18	7.9	22	16	18	16	21	
22	98	75	87	4	74	78	0	22		0		0.0	0.00	29.91	30.04	5.3	16	6.3	22	13	16	14	22	
23	98	75	87	4	73	77	0	22		0		0.0	0.00	29.85	29.98	4.5	17	5.0	29	10	17	12	23	
24	98	74	86	3	72	76	0	21		0		0.0	0.00	29.82	29.93	2.6	17	3.6	16	20	13	14	24	
25	99*	76	88	6	73	76	0	23		0		0.0	0.00	29.80		1.7	08	4.1	33	10	28	10	25	
26	97	74	86	4	72	75	0	21		0		0.0	0.00	29.85		5.9	06	7.4	26	06	17	07	26	
27	94	75	85	3	72	75	0	20		0		0.0	0.00	29.85		6.2	08	8.2	24	10	22	14	27	
28	90	76	83	1	73	76	0	18		0		0.0	0.00	29.80		7.4	13	8.6	25	15	22	15	28	
29	91	75	83	1	74	76	0	18	RA	0		0.0	0.02	29.78		7.3	10	8.3	23	11	18	12	29	
30	92	75	84	2	73	76	0	19	RA	0		0.0	T	29.82	29.92	3.2	14	6.1	22	14	17	15	30	
31	84	74	79	-3	74	75	0	14	RA BR	0		0.0	0.83	29.86	29.98	4.1	16	5.2	20	20	13	20	31	
94.0		75.2	84.6	☼	73.1	76.2	0.0	19.8	< MONTHLY AVERAGES   TOTALS >		0.0	1.24	29.85	29.97	2.6	14	6.0	< MONTHLY AVERAGES						
-0.5		0.4	0.0		-----DEPARTURE FROM NORMAL -----							-2.52		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3										
<b>DEGREE DAYS</b>									GREATEST 24-HR PRECIPITATION : 0.83 DATE : 31				SEA LEVEL PRESSURE				DATE		TIME					
MONTHLY									GREATEST 24-HR SNOWFALL : 0.0 DATE :				MAXIMUM :				30.09		22		1042			
TOTAL DEPARTURE									GREATEST SNOW DEPTH : 0 DATE :				MINIMUM :				29.83		29		1553			
SEASON TO DATE									NUMBER OF -> DAYS WITH				MAXIMUM TEMP >= 90 : 27		MINIMUM TEMP <= 32 : 0		PRECIPITATION >= 0.01 INCH: 7							
HEATING : 0 0 0 0									MAXIMUM TEMP <= 32 : 0		MINIMUM TEMP <= 0 : 0		PRECIPITATION >= 0.10 INCH: 3											
COOLING : 614 5 2276 -106									THUNDERSTORMS : 6		HEAVY FOG : 0		SNOWFALL >= 1.0 INCH : 0											

**AUGUST 2014  
HOUSTON, TX**

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

HOUSTON, TX (KIAH)  
AUGUST 2014

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	0.01	T											01												01	0.01	0.01	
02													02												02	0.00	0.00	
03													03												03	0.00	0.00	
04													04				T	T	T					04	T	T		
05													05		T		T	T						05	T	T		
06													06				T							06	T	T		
07													07					T						07	0.00	0.00		
08													08				0.01	0.07	0.02	T				08	0.10	0.10		
09													09											09	0.00	0.00		
10													10											10	0.00	0.00		
11													11					0.25	T		T	T		11	0.25	0.25		
12													12											12	0.00	0.00		
13													13											13	0.00	0.00		
14			0.02										14											14	0.02	0.02		
15													15											15	0.00	0.00		
16													16											16	0.00	0.00		
17													17			T								17	T	T		
18													18											18	0.00	0.00		
19													19	T										19	T	T		
20													20		0.01									20	0.01	0.01		
21													21											21	0.00	0.00		
22													22											22	0.00	0.00		
23													23											23	0.00	0.00		
24													24											24	0.00	0.00		
25													25											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		0.02											29				T	T						29	0.02	0.02		
30	T												30											30	T	T		
31								0.23	0.15	0.44	0.01		31											31	0.83	0.83		

\* 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)	0.17	0.30	0.38	0.44	0.49	0.54	0.57	0.61	0.75	0.80	0.83	0.83
Ending Date	31	31	31	31	31	31	31	31	31	31	31	31
Ending Time (Hr/Min)	0902	0906	0911	0916	0925	0939	0945	0912	0930	0939	1008	1008

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.

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).

## 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 2014

Sky Condition is based on the sum (not to exceed 8) of the sunrise to sunset cloud cover below and above 12,000 feet.

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.

Snow Depth, Snowfall, and Sunshine data may come from nearby sites that the National Weather Service deems Climatologically representative of this site.

NORMALS ARE FOR THE YEARS 1981-2010

ADDITIONAL NOTES & ERRATA:

Date	VISIBILITY (MILES)	
	MINIMUM	MAXIMUM
01	10.00	10.00
02	8.00	10.00
03	5.00	10.00
04	4.00	10.00
05	7.00	10.00
06	10.00	10.00
07	10.00	10.00
08	6.00	10.00
09	8.00	10.00
10	10.00	10.00
11	8.00	10.00
12	10.00	10.00
13	10.00	10.00
14	10.00	10.00
15	7.00	10.00
16	10.00	10.00
17	10.00	10.00
18	10.00	10.00
19	10.00	10.00
20	7.00	10.00
21	10.00	10.00
22	10.00	10.00
23	10.00	10.00
24	10.00	10.00
25	10.00	10.00
26	10.00	10.00
27	9.00	10.00
28	10.00	10.00
29	10.00	10.00
30	10.00	10.00
31	1.00	10.00
<b>AVGS</b>	8.71	10.00
<b>MINIMUM VISIBILITY (MILES)</b>		
<= .25	<= 3.0	>= 7.0
0	1	27

# OBSERVATIONS AT 3-HOURLY INTERVALS

**HOUSTON, TX**  
AUGUST 2014

KIAH

WBAN # 12960

HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)	
					DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL						DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
<b>SUNRISE: 0540 AUG 01 SUNSET: 1915</b>					75	74	74	96	3	22	29.82	29.92	<b>SUNRISE: 0544 AUG 07 SUNSET: 1911</b>					80	76	77	87	3	18	29.85	29.95
03	BKN	250	10.00		76	74	75	94	6	31	29.84	29.95	06	SCT	250	10.00		79	75	76	88	0	00	29.87	29.97
09	OVC	120	10.00		78	72	74	82	3	VR	29.88	29.98	09	SCT	250	10.00		86	75	78	70	9	21	29.88	29.99
12	BKN	027	10.00		82	72	75	72	7	33	29.88	29.99	12	BKN	250	10.00		92	73	78	54	7	VR	29.85	29.96
15	BKN	180	10.00		86	70	75	59	10	35	29.84	29.95	15	SCT	250	10.00		93	74	79	54	8	21	29.80	29.90
18	SCT	180	10.00		83	69	74	63	13	01	29.81	29.92	18	SCT	250	10.00		91	74	79	57	10	17	29.75	29.86
21	SCT	250	10.00		76	69	71	79	7	36	29.86	29.97	21	FEW	250	10.00		85	75	78	72	9	16	29.78	29.89
24	OVC	030	10.00		74	69	71	85	6	35	29.88	29.99	24	FEW	250	10.00		82	77	78	85	5	18	29.81	29.92
<b>SUNRISE: 0541 AUG 02 SUNSET: 1915</b>					72	69	70	91	0	00	29.87	29.98	<b>SUNRISE: 0545 AUG 08 SUNSET: 1910</b>					81	77	78	88	6	18	29.82	29.93
03	SCT	250	10.00		72	69	70	91	5	34	29.88	29.99	06	SCT	250	10.00		79	77	78	94	3	16	29.86	29.96
09	OVC	026	10.00		75	68	70	79	7	36	29.92	30.03	09	SCT	022	10.00		88	76	79	68	8	20	29.89	29.99
12	OVC	039	10.00		79	68	72	69	6	27	29.92	30.02	12	SCT	250	10.00		92	74	79	56	11	16	29.86	29.97
15	OVC	040	10.00		80	69	73	69	8	33	29.89	29.99	15	SCT	250	10.00		96	72	79	46	8	17	29.80	29.90
18	BKN	250	10.00		81	69	73	67	5	34	29.85	29.96	18	BKN	070	6.00		78	74	75	87	13	19	29.79	29.90
21	SCT	250	10.00		73	71	72	94	0	00	29.88	29.98	21	FEW	250	10.00		81	76	77	85	5	18	29.84	29.94
24	BKN	075	10.00		74	71	72	91	0	00	29.88	29.99	24	FEW	250	10.00		80	77	78	90	5	21	29.87	29.98
<b>SUNRISE: 0542 AUG 03 SUNSET: 1914</b>					73	71	72	94	5	34	29.87	29.98	<b>SUNRISE: 0545 AUG 09 SUNSET: 1909</b>					78	76	77	93	5	19	29.86	29.96
03	BKN	075	8.00		73	71	72	94	3	35	29.89	29.99	06	SCT	250	9.00	BR	77	76	76	96	0	00	29.88	29.98
06	BKN	250	5.00	BR	77	71	73	82	9	36	29.91	30.02	09	SCT	250	10.00		86	78	80	77	7	26	29.92	30.03
12	SCT	080	10.00		86	70	75	59	8	05	29.89	29.99	12	SCT	250	10.00		92	73	78	54	5	20	29.91	30.01
15	BKN	090	10.00		88	69	75	54	6	03	29.84	29.95	15	BKN	250	10.00		85	72	76	65	5	18	29.86	29.96
18	SCT	150	10.00		86	69	74	57	9	03	29.82	29.92	18	BKN	250	10.00		89	73	78	59	5	17	29.82	29.93
21	SCT	090	10.00		79	71	74	77	5	01	29.85	29.96	21	SCT	250	10.00		82	74	76	77	6	19	29.87	29.98
24	BKN	090	10.00		77	73	74	88	7	04	29.87	29.97	24	FEW	250	10.00		82	76	78	82	3	18	29.89	30.00
<b>SUNRISE: 0542 AUG 04 SUNSET: 1913</b>					74	73	73	97	5	03	29.85	29.96	<b>SUNRISE: 0546 AUG 10 SUNSET: 1908</b>					80	77	78	90	5	21	29.85	29.96
03	BKN	100	10.00		73	73	73	100	5	11	29.88	29.99	03	BKN	250	10.00		79	77	78	94	0	00	29.89	30.00
06	OVC	007	7.00		81	75	77	82	6	05	29.89	30.00	06	BKN	250	10.00		87	78	80	75	3	24	29.94	30.04
09	SCT	012	10.00		89	69	75	52	9	06	29.89	29.99	09	BKN	250	10.00		91	73	78	56	0	00	29.93	30.03
12	SCT	038	10.00		91	71	77	52	7	03	29.83	29.93	12	SCT	250	10.00		88	76	79	68	11	12	29.88	29.98
15	SCT	050	10.00		84	75	78	74	0	00	29.84	29.94	15	BKN	200	10.00		88	74	78	63	5	17	29.83	29.94
18	BKN	110	10.00		78	77	77	97	7	09	29.88	29.98	18	BKN	250	10.00		83	76	78	79	6	17	29.88	29.98
21	SCT	250	10.00		76	75	75	97	0	00	29.90	30.00	21	BKN	250	10.00		82	76	78	82	5	21	29.91	30.01
24	SCT	250	10.00										24	BKN	250	10.00									
<b>SUNRISE: 0543 AUG 05 SUNSET: 1912</b>					75	74	74	96	3	03	29.89	29.99	<b>SUNRISE: 0546 AUG 11 SUNSET: 1907</b>					79	76	77	90	0	00	29.90	30.01
03	FEW	250	10.00		74	73	73	97	5	05	29.91	30.02	06	BKN	250	10.00		79	77	78	94	0	00	29.89	30.00
06	FEW	025	7.00		84	75	78	74	6	12	29.94	30.05	09	SCT	250	10.00		87	76	79	70	7	26	29.94	30.04
09	SCT	100	10.00		90	75	79	62	7	11	29.94	30.04	12	SCT	150	10.00		92	73	78	54	3	VR	29.93	30.03
12	SCT	250	10.00		90	74	79	59	9	15	29.89	30.00	15	SCT	250	10.00		96	69	77	41	6	VR	29.84	29.95
15	BKN	150	10.00		85	74	77	70	9	13	29.89	29.99	18	BKN	250	8.00	-TSRA	78	71	73	79	3	VR	29.82	29.92
18	BKN	250	10.00		78	74	75	87	3	18	29.90	30.00	21	OVC	250	10.00	-RA	79	74	76	85	3	35	29.89	30.00
21	SCT	250	10.00		76	74	75	94	3	16	29.91	30.01	24	BKN	250	10.00		76	74	75	94	0	00	29.92	30.02
24	FEW	250	10.00																						
<b>SUNRISE: 0543 AUG 06 SUNSET: 1912</b>					75	74	74	96	0	00	29.91	30.01	<b>SUNRISE: 0547 AUG 12 SUNSET: 1906</b>					77	73	74	88	0	00	29.90	30.00
03	CLR	NC	10.00		75	74	74	96	0	00	29.92	30.03	06	SCT	250	10.00		76	74	75	94	0	00	29.90	30.01
06	SCT	250	10.00		86	75	78	70	6	20	29.93	30.04	09	FEW	250	10.00		87	74	78	65	8	31	29.92	30.02
09	SCT	060	10.00		92	71	77	51	9	18	29.91	30.01	12	FEW	040	10.00		93	72	78	50	8	04	29.91	30.01
12	SCT	250	10.00		90	74	79	59	11	14	29.85	29.96	15	SCT	250	10.00		96	70	78	43	5	VR	29.84	29.94
15	BKN	250	10.00		90	74	79	59	10	16	29.83	29.93	18	BKN	250	10.00		92	67	75	44	7	04	29.81	29.91
18	SCT	250	10.00		84	74	77	72	10	16	29.84	29.95	21	SCT	250	10.00		80	72	75	76	0	00	29.85	29.96
21	FEW	250	10.00		81	76	77	85	5	17	29.86	29.97	24	BKN	250	10.00		79	73	75	82	0	00	29.88	29.98
24	CLR	NC	10.00																						

# OBSERVATIONS AT 3-HOURLY INTERVALS

**HOUSTON, TX**  
AUGUST 2014

KIAH

WBAN # 12960

HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F					WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F					WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)					
					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: 0547					AUG 13								SUNSET: 1906					SUNRISE: 0551					AUG 19	
03	BKN	250	10.00		77	67	70	71	6	02	29.87	29.98	03	CLR	NC	10.00		79	76	77	90	5	18	29.80	29.91				
06	SCT	250	10.00		74	67	69	79	5	03	29.90	30.00	06	FEW	250	10.00		79	76	77	90	3	20	29.82	29.93				
09	FEW	060	10.00		82	70	74	67	6	02	29.93	30.04	09	BKN	250	10.00		85	77	79	77	10	18	29.86	29.96				
12	SCT	150	10.00		90	71	77	54	7	VR	29.92	30.02	12	BKN	250	10.00		91	73	78	56	7	VR	29.83	29.94				
15	SCT	200	10.00		93	64	74	38	6	VR	29.87	29.97	15	OVC	250	10.00		85	73	77	68	13	10	29.79	29.89				
18	SCT	250	10.00		89	64	72	43	10	04	29.84	29.95	18	OVC	250	10.00		82	74	76	77	11	09	29.80	29.90				
21	SCT	250	10.00		79	66	71	65	9	07	29.88	29.99	21	BKN	250	10.00		78	74	75	87	8	12	29.83	29.93				
24	BKN	250	10.00		79	66	71	65	7	03	29.91	30.01	24	CLR	NC	10.00		76	74	75	94	0	00	29.83	29.93				
SUNRISE: 0548					AUG 14					SUNSET: 1905					SUNRISE: 0552					AUG 20					SUNSET: 1859				
03	BKN	060	10.00		76	68	71	77	0	00	29.90	30.00	03	FEW	250	10.00		75	74	74	96	3	12	29.83	29.93				
06	SCT	250	10.00		73	66	69	79	6	13	29.91	30.01	06	FEW	250	10.00		74	74	74	100	0	00	29.85	29.96				
09	FEW	250	10.00		83	66	72	57	7	07	29.93	30.04	09	BKN	025	10.00		88	77	80	70	10	17	29.89	30.00				
12	SCT	250	10.00		89	70	76	53	6	15	29.91	30.02	12	BKN	250	10.00		94	75	80	54	9	17	29.88	29.99				
15	SCT	050	10.00		91	68	75	47	8	12	29.86	29.96	15	OVC	250	10.00		81	70	74	69	9	06	29.87	29.98				
18	FEW	045	10.00		88	70	76	55	15	14	29.84	29.94	18	BKN	250	10.00		83	74	77	74	9	13	29.85	29.96				
21	CLR	NC	10.00		80	73	75	79	8	13	29.86	29.96	21	SCT	250	10.00		83	76	78	79	7	16	29.90	30.00				
24	FEW	250	10.00		77	74	75	90	0	00	29.87	29.98	24	SCT	250	10.00		82	78	79	88	5	17	29.91	30.01				
SUNRISE: 0549					AUG 15					SUNSET: 1904					SUNRISE: 0552					AUG 21					SUNSET: 1858				
03	BKN	250	10.00		77	75	76	94	0	00	29.87	29.98	03	FEW	250	10.00		81	77	78	88	5	17	29.90	30.00				
06	BKN	250	7.00		75	74	74	96	3	11	29.90	30.00	06	SCT	250	10.00		77	76	76	96	0	00	29.94	30.04				
09	SCT	250	10.00		84	76	78	77	0	00	29.92	30.02	09	SCT	250	10.00		87	76	79	70	8	20	29.98	30.08				
12	SCT	250	10.00		92	71	77	51	5	26	29.88	29.98	12	SCT	047	10.00		94	72	78	49	9	20	29.96	30.06				
15	SCT	250	10.00		94	71	78	48	6	15	29.81	29.92	15	SCT	250	10.00		97	69	77	40	11	21	29.91	30.01				
18	SCT	250	10.00		90	74	79	59	11	12	29.78	29.88	18	SCT	250	10.00		91	71	77	52	13	17	29.92	30.03				
21	FEW	250	10.00		85	74	77	70	10	17	29.81	29.91	21	SCT	250	10.00		84	74	77	72	8	17	29.96	30.07				
24	FEW	250	10.00		82	76	78	82	6	18	29.84	29.95	24	FEW	250	10.00		81	76	77	85	6	18	29.94	30.05				
SUNRISE: 0549					AUG 16					SUNSET: 1903					SUNRISE: 0553					AUG 22					SUNSET: 1856				
03	CLR	NC	10.00		80	76	77	87	5	18	29.84	29.94	03	SCT	250	10.00		80	76	77	87	5	18	29.94	30.04				
06	FEW	250	10.00		80	75	77	85	3	18	29.85	29.96	06	SCT	250	10.00		77	75	76	94	0	00	29.96	30.07				
09	SCT	250	10.00		87	76	79	70	8	21	29.88	29.98	09	SCT	020	10.00		87	77	80	72	6	17	29.98	30.09				
12	SCT	250	10.00		95	73	79	49	6	24	29.87	29.97	12	SCT	042	10.00		93	71	78	49	8	16	29.96	30.06				
15	SCT	110	10.00		96	69	77	41	10	15	29.80	29.91	15	FEW	060	10.00		96	69	77	41	6	VR	29.90	30.01				
18	SCT	130	10.00		88	74	78	63	9	16	29.80	29.90	18	SCT	250	10.00		90	75	79	62	14	13	29.88	29.99				
21	BKN	250	10.00		84	76	78	77	9	17	29.85	29.95	21	FEW	250	10.00		84	74	77	72	7	17	29.92	30.02				
24	SCT	250	10.00		82	77	78	85	6	18	29.86	29.97	24	CLR	NC	10.00		80	75	77	85	3	20	29.90	30.00				
SUNRISE: 0550					AUG 17					SUNSET: 1902					SUNRISE: 0553					AUG 23					SUNSET: 1855				
03	SCT	250	10.00		81	76	77	85	6	18	29.86	29.96	03	FEW	018	10.00		76	75	75	97	0	00	29.89	30.00				
06	SCT	250	10.00		79	76	77	90	5	16	29.87	29.98	06	FEW	250	10.00		75	74	74	96	0	00	29.90	30.01				
09	SCT	250	10.00		88	77	80	70	13	18	29.89	30.00	09	SCT	019	10.00		86	76	79	72	6	23	29.93	30.03				
12	SCT	250	10.00		93	72	78	50	8	24	29.88	29.98	12	SCT	047	10.00		93	71	78	49	8	15	29.90	30.01				
15	SCT	250	10.00		94	71	78	48	8	21	29.82	29.93	15	SCT	250	10.00		96	70	78	43	7	15	29.84	29.94				
18	BKN	250	10.00		90	73	78	58	6	19	29.80	29.91	18	SCT	250	10.00		91	73	78	56	13	15	29.80	29.91				
21	BKN	250	10.00		85	74	77	70	8	19	29.86	29.97	21	FEW	250	10.00		84	73	76	70	8	18	29.84	29.95				
24	BKN	250	10.00		82	76	78	82	7	19	29.85	29.96	24	FEW	250	10.00		81	75	77	82	3	19	29.84	29.94				
SUNRISE: 0550					AUG 18					SUNSET: 1901					SUNRISE: 0554					AUG 24					SUNSET: 1854				
03	BKN	250	10.00		80	76	77	87	6	19	29.84	29.95	03	FEW	250	10.00		78	75	76	90	0	00	29.82	29.93				
06	SCT	250	10.00		78	76	77	93	3	17	29.86	29.96	06	FEW	250	10.00		75	74	74	96	0	00	29.85	29.95				
09	SCT	022	10.00		87	77	80	72	7	VR	29.88	29.98	09	FEW	019	10.00		86	73	77	65	6	20	29.87	29.98				
12	SCT	043	10.00		93	73	79	52	7	VR	29.85	29.96	12	SCT	250	10.00		90	70	76	52	5	VR	29.85	29.96				
15	BKN	250	10.00		88	74	78	63	13	18	29.80	29.90	15	SCT	250	10.00		96	68	77	40	5	18	29.78	29.88				
18	BKN	250	10.00		85	76	79	75	8	14	29.78	29.88	18	SCT	250	10.00		93	69	76	46	9	13	29.75	29.86				
21	SCT	250	10.00		83	75	77	77	6	16	29.81	29.92	21	FEW	250	10.00		85	72	76	65	6	17	29.81	29.91				
24	BKN	250	10.00		81	76	77	85	3	19	29.82	29.93	24	FEW	250	10.00		82	74	76	77	3	20	29.83	29.94				

# OBSERVATIONS AT 3-HOURLY INTERVALS

**HOUSTON, TX**  
AUGUST 2014

KIAH

WBAN # 12960

HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)						
					DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL					
<b>SUNRISE: 0554      AUG 25      SUNSET: 1853</b>					03	FEW	250	10.00		80	74	76	82	0	00	29.82	29.92
06	SCT	250	10.00		77	74	75	90	0	00	29.83	29.93					
09	BKN	250	10.00		85	75	78	72	8	29	29.85	29.96					
12	BKN	250	10.00		93	72	78	50	6	06	29.84	29.94					
15	SCT	250	10.00		94	72	78	49	5	VR	29.77	29.88					
18	SCT	250	10.00		94	70	77	46	10	03	29.75	29.86					
21	BKN	250	10.00		81	70	74	70	14	11	29.83						
24	BKN	250	10.00		77	72	74	83	0	00	29.82						
<b>SUNRISE: 0555      AUG 26      SUNSET: 1852</b>					03	BKN	250	10.00		75	72	73	90	7	05	29.84	29.95
06	SCT	250	10.00		76	71	73	85	5	02	29.86	29.97					
09	BKN	160	10.00		85	73	77	68	0	00	29.90	30.00					
12	BKN	250	10.00		89	71	76	55	11	04	29.88	29.99					
15	BKN	250	10.00		96	70	78	43	8	07	29.83	29.93					
18	BKN	250	10.00		91	68	75	47	16	06	29.81	29.91					
21	BKN	250	10.00		81	73	75	79	8	11	29.85						
24	BKN	250	10.00		77	72	74	83	3	11	29.88						
<b>SUNRISE: 0555      AUG 27      SUNSET: 1851</b>					03	BKN	200	10.00		77	72	74	85	5	02	29.85	29.95
06	BKN	200	9.00		76	72	73	88	3	01	29.86	29.97					
09	SCT	250	10.00		86	72	76	63	10	05	29.90	30.01					
12	BKN	250	10.00		93	69	76	46	8	07	29.88	29.99					
15	OVC	250	10.00		86	73	77	65	21	14	29.84	29.95					
18	BKN	100	10.00		83	75	77	77	10	11	29.84	29.95					
21	SCT	250	10.00		77	73	74	89	6	10	29.86						
24	SCT	250	10.00		75	73	74	94	5	35	29.85						
<b>SUNRISE: 0556      AUG 28      SUNSET: 1850</b>					03	SCT	250	10.00		77	74	75	90	5	06	29.82	29.92
06	SCT	120	10.00		76	74	75	94	8	09	29.82	29.93					
09	BKN	120	10.00		84	76	78	77	14	13	29.85	29.95					
12	BKN	250	10.00		87	72	77	61	13	16	29.84	29.94					
15	BKN	140	10.00		87	73	77	63	11	13	29.78	29.88					
18	SCT	130	10.00		86	73	77	65	11	14	29.77	29.87					
21	SCT	250	10.00		79	73	75	84	6	13	29.79						
24	SCT	250	10.00		79	75	76	89	5	11	29.80						
<b>SUNRISE: 0557      AUG 29      SUNSET: 1849</b>					03	SCT	250	10.00		77	76	76	96	0	00	29.77	29.87
06	BKN	250	10.00		78	76	77	93	7	04	29.78	29.88					
09	BKN	065	10.00	-RA	79	74	76	85	9	16	29.79	29.90					
12	BKN	250	10.00		89	74	78	61	15	08	29.78	29.88					
15	BKN	150	10.00		86	73	77	65	10	13	29.75	29.86					
18	BKN	160	10.00		81	72	75	74	14	13	29.76	29.86					
21	BKN	250	10.00		75	72	73	89	9	10	29.80						
24	BKN	045	10.00		75	73	74	94	5	10	29.80						
<b>SUNRISE: 0557      AUG 30      SUNSET: 1848</b>					03	BKN	250	10.00		75	73	74	94	7	04	29.79	29.89
06	SCT	250	10.00		75	73	74	94	0	00	29.79	29.90					
09	BKN	250	10.00		80	74	76	82	3	36	29.83	29.94					
12	BKN	250	10.00		88	71	76	57	5	26	29.83	29.93					
15	BKN	120	10.00		89	72	77	57	8	17	29.79	29.90					
18	BKN	250	10.00		84	74	77	72	13	15	29.80	29.91					
21	BKN	250	10.00		79	72	74	79	6	18	29.85	29.96					
24	BKN	250	10.00		78	74	75	87	3	17	29.86	29.96					

HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)						
					DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL					
<b>SUNRISE: 0558      AUG 31      SUNSET: 1846</b>					03	SCT	250	10.00		75	73	74	94	0	00	29.84	29.95
06	BKN	250	10.00		75	73	74	94	0	00	29.87	29.98					
09	OVC	060	7.00	RA	77	74	75	90	9	20	29.91	30.02					
12	BKN	110	10.00		82	75	77	79	8	22	29.92	30.03					
15	BKN	180	10.00		83	73	76	72	5	16	29.88	29.98					
18	BKN	250	10.00		81	75	77	82	8	13	29.84	29.95					
21	BKN	250	10.00		77	74	75	90	6	11	29.85	29.96					
24	BKN	250	10.00		76	75	75	97	3	08	29.85	29.96					

## 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.

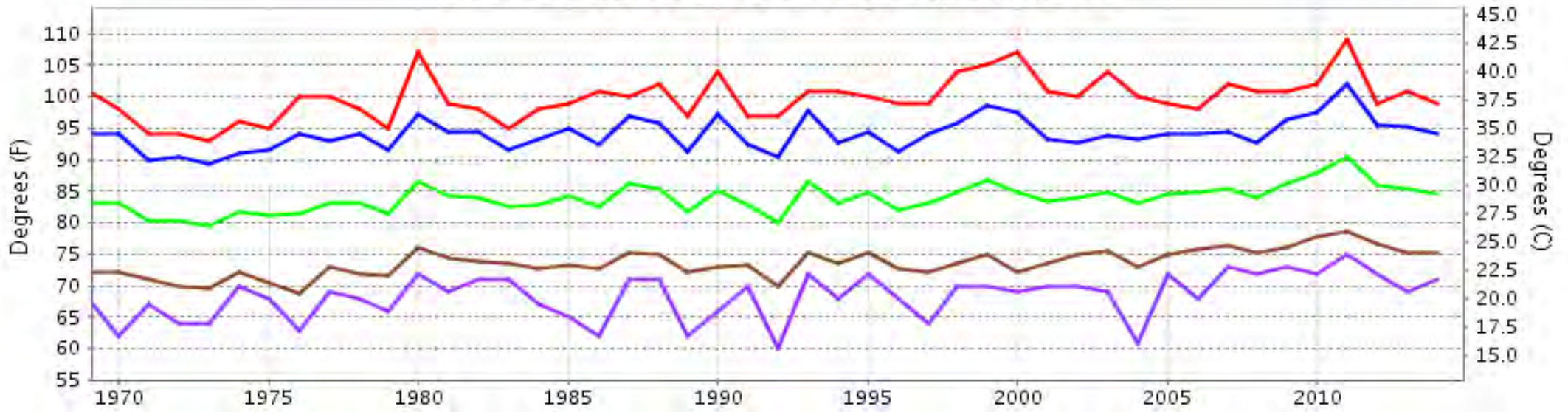
& = Original observation contained additional weather elements.

See page 3 for additional notes.

## SUMMARY BY HOUR

HOUR (LST)	AVERAGES								RESULTANT WIND (MPH)	
	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (Inches, HG)		VISIBILITY (Miles)	WIND SPEED (MPH)	SPEED	DIRECTION
					STATION	SEA LEVEL				
01	78	74	75	88	29.86	29.97	9.97	4	2	18
02	78	74	75	89	29.86	29.96	10.00	3	2	18
03	77	74	75	90	29.85	29.96	9.94	3	3	16
04	77	74	75	91	29.86	29.96	9.90	3	2	17
05	77	74	75	91	29.86	29.97	9.77	2	3	17
06	76	74	75	92	29.87	29.98	9.42	3	3	15
07	78	75	76	90	29.88	29.99	9.58	3	3	14
08	81	75	77	82	29.89	30.00	9.48	6	3	14
09	84	74	77	73	29.90	30.01	9.84	7	2	19
10	86	73	77	65	29.90	30.01	10.00	7	2	19
11	89	73	77	59	29.90	30.00	10.00	7	2	18
12	90	72	77	55	29.89	29.99	10.00	7	3	14
13	91	71	77	53	29.87	29.98	10.00	7	3	13
14	91	70	77	52	29.85	29.96	9.90	8	4	12
15	91	71	77	54	29.83	29.94	10.00	9	4	12
16	90	71	77	56	29.82	29.93	10.00	10	5	11
17	89	72	77	59	29.82	29.92	10.00	9	5	11
18	87	72	77	63	29.82	29.92	9.81	10	5	11
19	84	73	76	68	29.82	29.94	9.97	8	4	11
20	82	73	76	74	29.84	29.95	10.00	7	4	12
21	81	73	75	79	29.85	29.97	10.00	7	3	12
22	80	74	76	82	29.87	29.98	10.00	5	3	13
23	79	74	76	84	29.87	29.98	10.00	5	3	13
24	79	74	76	87	29.87	29.98	10.00	4	2	16

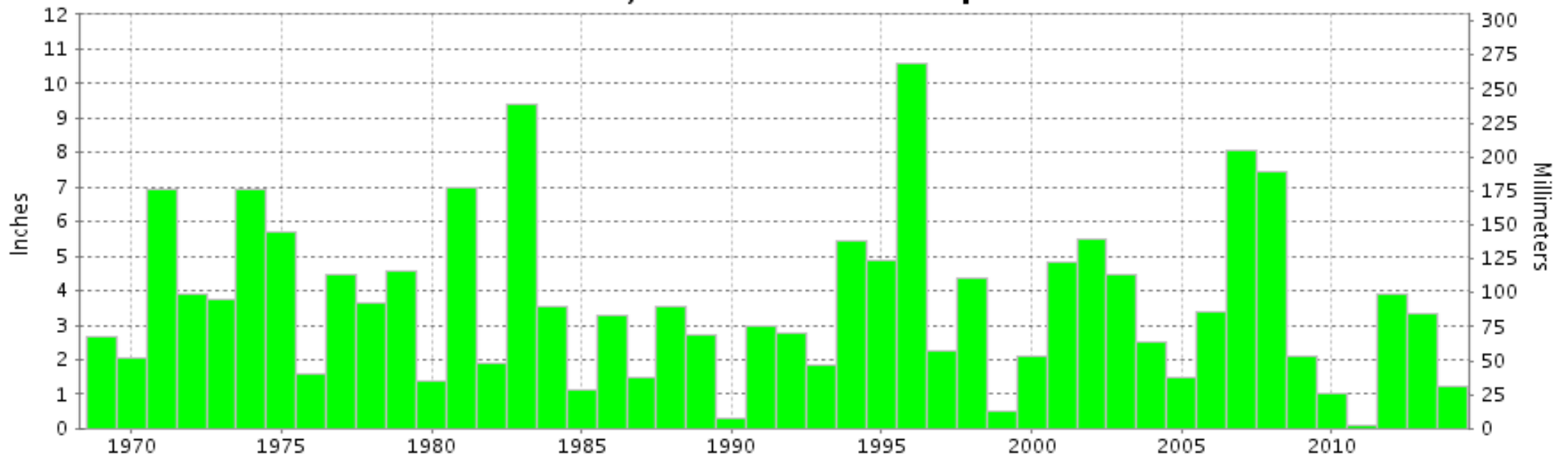
## HOUSTON, TX AUGUST Temperatures



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

**Long-Term (1969-2014) Mean: 83.9**  
**1981-2010 Normal: 84.6**

## HOUSTON, TX AUGUST Precipitation



**Long-Term (1969-2014) Mean Monthly Total: 3.67**

**1981-2010 Normal: 3.76**





**AUGUST 2014  
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.*

A handwritten signature in black ink, appearing to read "Thomas R. Karl".

**DIRECTOR**

NCDC now offers free online access to the **Edited Local Climatological Data Publication**. Go to : [www.ncdc.noaa.gov](http://www.ncdc.noaa.gov) and choose Most Popular.

We welcome your questions or comments, please contact us at:  
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Asheville, NC 28801-5001