



SEPTEMBER 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



SEPTEMBER 2014
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																											
									DEPTH 11	WATER- EQUIV 12	SNOW- FALL 13	WATER EQUIV 14			SPEED 17	DIR 18	AVERAGE SPEED 19	SPEED 20	DIR 21	SPEED 22	DIR 23																											
01	93	74	84	2	75	77	0	19	TS TSRA RA MIFG BR	0		0.0	0.36	29.82		4.2	16	5.0	29	16	24	14	01																									
02	94	76	85	3	75	78	0	20		0		0.0	0.00	29.84	29.95	8.1	16	8.1	29	14	25	15	02																									
03	93	75	84	2	75	77	0	19		0		0.0	0.00	29.87	29.98	6.5	13	7.3	26	12	18	14	03																									
04	93	76	85	3	75	77	0	20	TS	0		0.0	0.00	29.90	30.01	5.5	14	6.0	30	15	24	15	04																									
05	93	75	84	2	75	77	0	19	TS RA	0		0.0	0.03	29.92	30.03	3.7	13	4.5	30	18	21	18	05																									
06	95	75	85	4	75	77	0	20	TS RA	0		0.0	0.16	29.90	30.01	0.7	22	1.9	25	15	21	15	06																									
07	95	73	84	3	73	75	0	19	TS TSRA RA BR HZ	0		0.0	0.42	29.88	30.00	3.4	02	4.2	32*	02	28*	02	07																									
08	92	72	82	2	73	75	0	17		0		0.0	0.00	29.86	29.98	0.9	11	3.4	20	13	10	13	08																									
09	95	74	85	5	74	77	0	20		0		0.0	0.00	29.82	29.94	3.7	17	4.6	28	10	17	14	09																									
10	95	78	87	7	74	78	0	22		0		0.0	0.00	29.76	29.88	6.6	18	6.9	20	19	15	15	10																									
11	97*	76	87*	7	75	78	0	22		0		0.0	0.00	29.82	29.92	4.7	16	5.8	24	14	21	14	11																									
12	89	75	82	2	75	76	0	17	TS TSRA RA	0		0.0	0.02	29.87	29.98	3.7	04	4.9	21	17	16	17	12																									
13	77	67	72	-7	67	69	0	7	RA BR	0		0.0	0.01	29.99	30.10	11.7	02	11.9	23	01	18	02	13																									
14	77	65	71*	-8	67	68	0	6	BR	0		0.0	0.00	30.01	30.12	5.5	03	5.9	15	07	13	04	14																									
15	92	68	80	1	72	74	0	15	RA BR	0		0.0	T	29.95	30.07	4.7	08	5.9	17	15	15	15	15																									
16	91	75	83	4	75	76	0	18	RA BR	0		0.0	0.12	29.90	30.02	3.6	11	5.5	28	14	24	14	16																									
17	89	75	82	3	75	76	0	17	RA BR	0		0.0	0.25	29.81	29.93	1.7	12	3.2	18	21	16	14	17																									
18	81	73	77	-1	74	75	0	12	TS TSRA RA BR	0		0.0	2.31	29.77	29.88	5.7	12	6.3	21	13	16	13	18																									
19	84	73	79	1	74	75	0	14	RA BR	0		0.0	0.20	29.78	29.90	4.4	10	5.7	16	12	13	11	19																									
20	89	73	81	3	72	74	0	16		0		0.0	0.00	29.83	29.94	6.3	08	6.9	18	12	15	10	20																									
21	91	73	82	4	70	74	0	17		0		0.0	0.00	29.90	30.00	3.6	06	4.7	18	04	14	06	21																									
22	93	72	83	6	69	73	0	18	RA	0		0.0	T	29.94	30.04	4.1	03	5.3	21	36	17	36	22																									
23	84	64	74	-3	58	64	0	9		0		0.0	0.00	29.97	30.09	6.4	05	6.9	17	03	14	06	23																									
24	85	64*	75	-2	60	65	0	10		0		0.0	0.00	29.98	30.09	4.3	06	5.1	20	11	15	11	24																									
25	80	68	74	-3	66	69	0	9	RA	0		0.0	T	29.98	30.09	7.3	05	8.1	21	09	16	09	25																									
26	86	68	77	1	66	69	0	12		0		0.0	0.00	29.92	30.05	6.1	08	7.1	20	12	15	11	26																									
27	86	71	79	3	66	70	0	14	RA	0		0.0	T	29.88	29.99	5.1	07	6.5	20	09	14	07	27																									
28	89	72	81	5	69	72	0	16		0		0.0	0.00	29.83	29.95	6.5	05	7.3	21	03	17	04	28																									
29	89	70	80	4	70	73	0	15		0		0.0	0.00	29.78	29.91	5.2	03	6.0	17	05	14	05	29																									
30	89	71	80	5	72	74	0	15	RA	0		0.0	T	29.72	29.83	3.6	13	4.7	18	14	15	15	30																									
										89.2				72.0		80.6		☼	71.2		73.7		0.0		15.8		< MONTHLY AVERAGES TOTALS >				0.0		3.88		29.87		29.99		3.1		09		5.9		< MONTHLY AVERAGES			
										-0.5				2.2		0.8			<----- DEPARTURE FROM NORMAL ----->												-0.24				SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3													
DEGREE DAYS										GREATEST 24-HR PRECIPITATION : 2.51 DATE : 17-18										SEA LEVEL PRESSURE																												
MONTHLY										GREATEST 24-HR SNOWFALL : 0.0 DATE :										MAXIMUM : 30.19 14 0950																												
TOTAL DEPARTURE										GREATEST SNOW DEPTH : 0 DATE :										MINIMUM : 29.78 30 1715																												
SEASON TO DATE										NUMBER OF -> DAYS WITH										PRECIPITATION >= 0.01 INCH: 10																												
TOTAL DEPARTURE										MAXIMUM TEMP >= 90 : 15										PRECIPITATION >= 0.10 INCH: 7																												
HEATING : 0 -1 0 -1										MAXIMUM TEMP <= 32 : 0										SNOWFALL >= 1.0 INCH : 0																												
COOLING : 474 31 2750 -75										MINIMUM TEMP <= 0 : 0																																						
										THUNDERSTORMS : 7																																						

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

HOUSTON, TX (KIAH)
SEPTEMBER 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												T	01	0.33	0.03	T									01	0.36	0.36	
02													02												02	0.00	0.00	
03													03												03	0.00	0.00	
04													04												04	0.00	0.00	
05											0.03	T	05												05	0.03	0.03	
06													06			0.03	0.13								06	0.16	0.16	
07													07		0.35	0.01	0.06	T	T						07	0.42	0.42	
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											T	0.02	12				T	T					T	12	0.02	0.02		
13	0.01	T	T	T	T								13											13	0.01	0.01		
14													14											14	0.00	0.00		
15													15							T				15	T	T		
16												0.11	16	T						0.01	T			16	0.12	0.12		
17												T	17		0.09	0.11		T	T	T				17	0.25	0.25		
18	T	T	0.01	T	0.01	T	0.09		0.94	0.34	0.65	0.15	18	0.12	T									18	2.31	2.31		
19		T	T	0.04	T	T	T	0.08	0.05	0.02	0.01		19											19	0.20	0.20		
20													20											20	0.00	0.00		
21													21											21	0.00	0.00		
22													22			T	T							22	T	T		
23													23											23	0.00	0.00		
24													24											24	0.00	0.00		
25													25			T								25	T	T		
26													26											26	0.00	0.00		
27												T	27											27	T	T		
28													28											28	0.00	0.00		
29													29											29	0.00	0.00		
30													30				T	T						30	T	T		

* 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)	0.30	0.51	0.72	0.83	0.99	1.10	1.17	1.22	1.45	1.53	1.93	2.02
Ending Date	18	18	18	18	18	18	18	18	18	18	18	18
Ending Time (Hr/Min)	0858	0856	0900	0900	0906	0918	0931	0953	1013	1024	1101	1114

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 SEPTEMBER 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	6.00	10.00
02	10.00	10.00
03	10.00	10.00
04	10.00	10.00
05	10.00	10.00
06	10.00	10.00
07	3.00	10.00
08	8.00	10.00
09	8.00	10.00
10	9.00	10.00
11	10.00	10.00
12	9.00	10.00
13	6.00	10.00
14	1.50	10.00
15	6.00	10.00
16	6.00	10.00
17	3.00	10.00
18	0.00	10.00
19	2.00	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	10.00	10.00
26	10.00	10.00
27	10.00	10.00
28	10.00	10.00
29	7.00	10.00
30	8.00	10.00
AVGS	7.75	10.00
MINIMUM VISIBILITY (MILES)		
<= .25	<= 3.0	>= 7.0
1	5	21

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX
SEPTEMBER 2014 KIAH

WBAN # 12960

HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)	
					DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL						DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
SUNRISE: 0558 SEP 01					SUNSET: 1845					SUNRISE: 0602 SEP 07					SUNSET: 1838										
03	BKN	250	10.00	BR	75	75	75	100	0	00	29.83	29.94	03	BKN	250	10.00	TS+RA	77	75	76	94	0	00	29.90	30.00
06	SCT	250	6.00		74	73	73	97	0	00	29.84	29.95	06	BKN	250	10.00		76	73	74	91	0	00	29.90	30.01
09	SCT	018	10.00		84	77	79	80	8	17	29.86	29.96	09	BKN	250	10.00		84	75	78	74	5	35	29.92	30.02
12	BKN	035	10.00		88	75	79	66	8	16	29.84	29.94	12	BKN	250	10.00		91	74	79	57	0	00	29.91	30.01
15	BKN	250	10.00		88	77	80	70	8	27	29.80	29.91	15	OVC	110	3.00		74	72	73	94	6	22	29.91	30.01
18	SCT	250	10.00		88	73	77	61	9	16	29.79	29.89	18	OVC	250	10.00		76	73	74	91	7	35	29.85	29.96
21	SCT	250	10.00		81	75	77	84	6	15	29.84		21	BKN	250	10.00		76	71	73	85	0	00	29.89	30.00
24	SCT	250	10.00	81	77	78	89	3	16	29.83		24	BKN	250	10.00	73	72	72	96	5	02	29.89	30.00		
SUNRISE: 0559 SEP 02					SUNSET: 1844					SUNRISE: 0602 SEP 08					SUNSET: 1837										
03	SCT	250	10.00		77	76	76	96	0	00	29.83	29.93	03	BKN	250	10.00		74	71	72	91	3	35	29.89	30.00
06	SCT	250	10.00		78	76	77	93	3	16	29.84	29.94	06	SCT	250	8.00		73	71	72	94	0	00	29.90	30.01
09	BKN	250	10.00		87	76	79	70	14	16	29.88	29.98	09	FEW	015	10.00		80	74	76	82	0	00	29.92	30.03
12	BKN	250	10.00		93	74	79	54	10	17	29.87	29.98	12	SCT	030	10.00		88	73	77	61	5	33	29.91	30.01
15	BKN	250	10.00		89	76	80	65	13	13	29.83	29.93	15	SCT	042	10.00		91	72	78	54	0	00	29.84	29.95
18	SCT	250	10.00		86	75	78	70	15	15	29.84	29.94	18	SCT	250	10.00		88	72	77	59	7	11	29.83	29.93
21	SCT	250	10.00		82	75	77	79	9	16	29.87	29.97	21	FEW	250	10.00		79	72	74	79	5	17	29.86	29.97
24	SCT	250	10.00	79	76	77	90	5	12	29.85	29.95	24	CLR	NC	9.00	79	75	76	88	3	19	29.87	29.98		
SUNRISE: 0559 SEP 03					SUNSET: 1843					SUNRISE: 0603 SEP 09					SUNSET: 1836										
03	SCT	250	10.00		77	76	76	96	0	00	29.84	29.95	03	FEW	250	9.00		76	74	75	94	0	00	29.87	29.97
06	SCT	250	10.00		75	74	74	96	3	36	29.86	29.97	06	FEW	250	8.00		74	73	73	97	0	00	29.89	30.00
09	SCT	250	10.00		85	77	79	77	9	13	29.90	30.01	09	SCT	020	10.00		83	76	78	79	6	VR	29.90	30.01
12	SCT	250	10.00		91	73	78	56	11	16	29.91	30.01	12	SCT	037	10.00		91	73	78	56	7	20	29.86	29.97
15	SCT	230	10.00		91	75	79	59	10	14	29.86	29.96	15	SCT	047	10.00		93	73	79	52	6	18	29.79	29.89
18	SCT	250	10.00		88	72	77	59	14	14	29.85	29.95	18	SCT	065	10.00		88	74	78	63	13	16	29.77	29.87
21	SCT	250	10.00		82	76	78	82	10	12	29.89	29.99	21	FEW	250	10.00		83	74	77	74	7	17	29.80	29.90
24	SCT	250	10.00	78	76	77	93	5	10	29.88	29.99	24	FEW	020	10.00	80	75	77	85	3	17	29.79	29.89		
SUNRISE: 0560 SEP 04					SUNSET: 1842					SUNRISE: 0603 SEP 10					SUNSET: 1834										
03	SCT	250	10.00		77	76	76	96	0	00	29.88	29.98	03	FEW	018	10.00		79	75	76	88	3	18	29.77	29.87
06	SCT	250	10.00		76	75	75	97	0	00	29.89	29.99	06	SCT	025	10.00		79	75	76	88	5	17	29.78	29.89
09	SCT	250	10.00		86	77	80	75	10	14	29.93	30.04	09	SCT	022	10.00		85	75	78	72	10	19	29.80	29.91
12	SCT	250	10.00		91	74	79	57	8	16	29.93	30.04	12	SCT	040	10.00		90	74	79	59	9	21	29.78	29.89
15	BKN	250	10.00		87	72	77	61	0	00	29.89	29.99	15	SCT	250	10.00		94	73	79	51	11	16	29.72	29.83
18	BKN	250	10.00		86	75	78	70	14	14	29.87	29.98	18	SCT	250	10.00		90	72	77	56	8	17	29.72	29.82
21	BKN	250	10.00		81	76	77	85	7	14	29.91	30.02	21	FEW	250	10.00		83	75	77	77	9	17	29.77	29.88
24	BKN	250	10.00	77	75	76	94	3	11	29.93	30.04	24	FEW	250	10.00	81	76	77	85	6	17	29.79	29.90		
SUNRISE: 0600 SEP 05					SUNSET: 1841					SUNRISE: 0604 SEP 11					SUNSET: 1833										
03	BKN	250	10.00		76	75	75	97	0	00	29.92	30.02	03	FEW	020	10.00		80	76	77	87	3	18	29.79	29.90
06	BKN	250	10.00		76	75	75	97	0	00	29.95	30.06	06	SCT	250	10.00		77	75	76	94	0	00	29.82	29.93
09	SCT	250	10.00		85	77	79	77	6	10	29.97	30.07	09	SCT	023	10.00		87	76	79	70	6	17	29.85	29.96
12	SCT	250	10.00		90	74	79	59	7	13	29.95	30.06	12	SCT	040	10.00		94	74	80	52	6	19	29.84	29.95
15	BKN	250	10.00		92	74	79	56	13	13	29.89	29.99	15	BKN	250	10.00		92	73	78	54	9	10	29.77	29.88
18	BKN	250	10.00		81	71	74	72	0	00	29.89	30.00	18	SCT	250	10.00		89	75	79	63	15	12	29.78	29.89
21	BKN	250	10.00		79	75	76	88	3	17	29.92	30.02	21	SCT	250	10.00		82	75	77	79	3	17	29.84	29.94
24	SCT	250	10.00	80	76	77	87	0	00	29.91	30.02	24	FEW	250	10.00	79	75	76	88	3	20	29.85	29.96		
SUNRISE: 0601 SEP 06					SUNSET: 1839					SUNRISE: 0604 SEP 12					SUNSET: 1832										
03	FEW	250	10.00		76	75	75	97	0	00	29.91	30.02	03	SCT	250	10.00		77	75	76	94	0	00	29.84	29.95
06	SCT	250	10.00		76	74	75	94	0	00	29.94	30.04	06	SCT	250	10.00		77	75	76	94	3	01	29.85	29.95
09	OVC	250	10.00		85	76	79	75	3	16	29.95	30.06	09	BKN	250	10.00		83	76	78	79	6	04	29.88	29.98
12	BKN	040	10.00		92	73	78	54	0	00	29.93	30.03	12	BKN	110	9.00		78	76	77	93	3	18	29.88	29.99
15	BKN	250	10.00		93	70	77	47	6	17	29.85	29.96	15	BKN	100	10.00		81	76	77	85	10	06	29.87	29.98
18	BKN	200	10.00		83	75	77	77	3	21	29.86	29.97	18	OVC	250	10.00		79	74	76	85	9	08	29.86	29.96
21	BKN	250	10.00		81	75	77	82	0	00	29.90	30.00	21	BKN	250	10.00		78	75	76	90	6	35	29.93	30.03
24	SCT	250	10.00	77	75	76	94	0	00	29.91	30.01	24	BKN	055	10.00	77	74	75	90	8	01	29.93	30.03		

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX

SEPTEMBER 2014

KIAH

WBAN # 12960

HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)	
					DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL						DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
SUNRISE: 0605 SEP 13					SUNSET: 1831					SUNRISE: 0608 SEP 19					SUNSET: 1823										
03	OVC	010	10.00		76	74	75	94	11	36	29.90	30.01	03	OVC	004	10.00	-RA	75	74	74	96	5	07	29.76	29.87
06	OVC	006	10.00		71	69	70	94	15	03	29.95	30.06	06	OVC	045	6.00	BR	75	74	74	96	6	33	29.78	29.89
09	OVC	009	10.00		70	67	68	90	16	02	30.01	30.12	09	OVC	032	2.00	-RA BR	75	74	74	96	6	12	29.83	29.93
12	OVC	016	10.00		74	65	68	74	14	04	30.02	30.13	12	BKN	150	10.00		81	75	77	82	3	VR	29.80	29.91
15	OVC	017	10.00		75	66	69	74	16	02	29.98	30.09	15	BKN	160	10.00		83	74	77	74	8	11	29.77	29.88
18	BKN	019	10.00		72	65	68	79	10	04	30.00	30.10	18	SCT	150	10.00		79	74	76	85	7	12	29.77	29.88
21	OVC	015	10.00		70	64	66	82	11	03	30.05	30.15	21	BKN	250	10.00		75	73	74	94	6	11	29.81	29.92
24	OVC	010	10.00		67	63	65	87	13	04	30.03	30.15	24	SCT	250	10.00		73	72	72	96	3	04	29.81	29.92
SUNRISE: 0605 SEP 14					SUNSET: 1830					SUNRISE: 0609 SEP 20					SUNSET: 1822										
03	OVC	012	4.00	BR	66	64	65	93	8	05	30.03	30.13	03	SCT	250	10.00		74	72	73	94	5	05	29.81	29.92
06	OVC	009	6.00	BR	66	64	65	93	8	03	30.03	30.15	06	SCT	250	10.00		73	72	72	96	7	06	29.83	29.94
09	OVC	009	3.00		69	64	66	84	8	04	30.09	30.19	09	SCT	250	10.00		80	73	75	79	10	10	29.86	29.97
12	OVC	016	10.00		75	66	69	74	6	35	30.05	30.16	12	SCT	034	10.00		85	72	76	65	11	11	29.86	29.97
15	OVC	020	10.00		77	67	70	71	8	36	29.98	30.09	15	SCT	040	10.00		86	70	75	59	10	10	29.80	29.91
18	OVC	024	10.00		76	68	71	77	0	00	29.98	30.09	18	FEW	042	10.00		84	71	75	65	8	07	29.81	29.91
21	FEW	250	9.00		71	68	69	90	0	00	30.01	30.11	21	CLR	NC	10.00		76	73	74	91	6	12	29.86	29.97
24	BKN	030	10.00		72	69	70	91	5	06	29.98	30.10	24	SCT	250	10.00		74	72	73	94	3	03	29.86	29.96
SUNRISE: 0606 SEP 15					SUNSET: 1828					SUNRISE: 0609 SEP 21					SUNSET: 1821										
03	FEW	025	8.00		69	68	68	96	0	00	29.98	30.08	03	FEW	250	10.00		75	73	74	94	3	01	29.86	29.97
06	FEW	027	6.00	BR	70	68	69	93	5	36	29.98	30.09	06	SCT	250	10.00		73	71	72	94	3	01	29.90	30.01
09	SCT	250	10.00		77	70	72	79	7	06	30.00	30.11	09	CLR	NC	10.00		82	72	75	72	6	06	29.94	30.05
12	SCT	250	10.00		88	73	77	61	8	10	29.97	30.08	12	FEW	044	10.00		88	69	75	54	9	11	29.94	30.05
15	SCT	250	10.00		89	72	77	57	11	11	29.91	30.02	15	FEW	050	10.00		90	68	75	48	3	VR	29.87	29.98
18	BKN	250	10.00		86	75	78	70	10	14	29.90	30.01	18	FEW	250	10.00		84	69	74	61	7	04	29.87	29.97
21	BKN	250	10.00		80	75	77	85	3	13	29.96	30.06	21	CLR	NC	10.00		76	70	72	82	5	34	29.91	30.02
24	SCT	200	10.00		79	76	77	90	6	02	29.96	30.06	24	FEW	250	10.00		77	71	73	82	3	34	29.92	30.03
SUNRISE: 0606 SEP 16					SUNSET: 1827					SUNRISE: 0610 SEP 22					SUNSET: 1820										
03	BKN	250	10.00		76	74	75	94	5	06	29.93	30.04	03	SCT	250	10.00		75	70	72	84	0	00	29.92	30.02
06	BKN	250	6.00	BR	76	74	75	94	5	04	29.94	30.05	06	SCT	250	10.00		75	70	72	84	5	34	29.95	30.06
09	BKN	100	10.00		84	77	79	80	8	11	29.96	30.06	09	SCT	250	10.00		84	70	74	63	3	VR	29.97	30.08
12	BKN	250	10.00	-RA	85	78	80	80	9	15	29.92	30.03	12	SCT	250	10.00		90	68	75	48	5	VR	29.96	30.06
15	OVC	250	10.00		85	74	77	70	15	11	29.87	29.97	15	SCT	250	10.00		91	72	78	54	14	36	29.90	30.01
18	BKN	170	10.00		78	74	75	87	0	00	29.89	30.00	18	SCT	250	10.00		85	69	74	59	11	04	29.91	30.01
21	BKN	180	10.00		76	75	75	97	0	00	29.90	30.01	21	FEW	250	10.00		78	65	70	64	5	05	29.96	30.06
24	OVC	200	10.00		77	75	76	94	6	15	29.88	29.98	24	FEW	250	10.00		73	61	66	66	7	05	29.98	30.08
SUNRISE: 0607 SEP 17					SUNSET: 1826					SUNRISE: 0610 SEP 23					SUNSET: 1818										
03	BKN	250	10.00		76	75	75	97	0	00	29.84	29.95	03	SCT	250	10.00		69	57	62	66	7	04	29.98	30.09
06	BKN	150	10.00		76	75	75	97	0	00	29.84	29.95	06	FEW	250	10.00		64	55	59	73	7	05	30.00	30.10
09	BKN	150	10.00		82	77	78	85	0	00	29.86	29.97	09	SCT	250	10.00		73	57	63	57	10	06	30.03	30.14
12	BKN	170	10.00		84	74	77	72	5	05	29.84	29.94	12	BKN	250	10.00		82	55	66	40	8	05	30.02	30.13
15	OVC	075	10.00		76	74	75	94	10	12	29.79	29.90	15	BKN	250	10.00		82	52	64	35	10	05	29.96	30.06
18	BKN	250	10.00		77	75	76	94	6	14	29.79	29.90	18	BKN	250	10.00		75	57	64	54	6	03	29.93	30.04
21	SCT	250	10.00		76	75	75	97	0	00	29.81	29.91	21	BKN	250	10.00		69	61	64	76	0	00	29.96	30.07
24	OVC	150	10.00		76	75	75	97	0	00	29.80	29.91	24	BKN	250	10.00		67	60	63	79	3	03	29.97	30.07
SUNRISE: 0607 SEP 18					SUNSET: 1825					SUNRISE: 0611 SEP 24					SUNSET: 1817										
03	SCT	060	7.00		76	75	75	97	7	14	29.75	29.86	03	BKN	250	10.00		66	59	62	78	0	00	29.96	30.07
06	OVC	045	6.00	BR	77	76	76	96	0	00	29.77	29.88	06	BKN	250	10.00		64	57	60	78	0	00	29.98	30.09
09	OVC	019	1.00	TS+RA	75	74	74	96	10	19	29.81	29.92	09	BKN	250	10.00		72	58	64	61	6	05	30.03	30.14
12	OVC	075	3.00	+RA	75	74	74	96	3	04	29.81	29.91	12	BKN	250	10.00		83	58	67	43	10	07	30.01	30.12
15	OVC	250	10.00		81	76	77	85	11	13	29.74	29.85	15	SCT	250	10.00		83	61	69	48	10	10	29.97	30.08
18	BKN	090	10.00		77	74	75	90	10	11	29.76	29.86	18	BKN	250	10.00		74	65	68	74	8	06	29.97	30.08
21	BKN	200	10.00		75	73	74	94	0	00	29.77	29.88	21	BKN	250	10.00		71	64	67	79	5	03	30.00	30.11
24	BKN	150	10.00		74	73	73	97	5	06	29.78	29.89	24	BKN	250	10.00		70	63	66	79	0	00	29.98	30.09

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX

SEPTEMBER 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
SUNRISE: 0611 SEP 25					SUNSET: 1816							
03	BKN	250	10.00		69	63	65	81	3	03	29.97	30.08
06	SCT	250	10.00		68	65	66	90	7	03	29.98	30.09
09	BKN	250	10.00		74	65	68	74	9	06	30.02	30.13
12	OVC	220	10.00		77	66	70	69	14	07	30.02	30.13
15	OVC	220	10.00		79	69	72	72	11	07	29.97	30.08
18	BKN	110	10.00		78	68	71	71	13	06	29.98	30.09
21	BKN	250	10.00		74	68	70	82	7	07	29.96	30.07
24	BKN	250	10.00		71	68	69	90	0	00	29.95	30.06
SUNRISE: 0612 SEP 26					SUNSET: 1815							
03	SCT	250	10.00		70	68	69	93	6	08	29.94	30.05
06	SCT	250	10.00		69	66	67	90	6	05	29.94	30.05
09	SCT	250	10.00		79	65	70	62	9	07	29.98	30.09
12	BKN	250	10.00		83	64	71	53	10	11	29.97	30.07
15	BKN	250	10.00		82	65	71	56	7	09	29.91	30.01
18	BKN	250	10.00		79	64	69	60	8	06	29.90	30.01
21	BKN	200	10.00		73	67	69	81	5	03	29.93	30.03
24	BKN	250	10.00		73	67	69	81	5	04	29.91	30.01
SUNRISE: 0612 SEP 27					SUNSET: 1813							
03	BKN	250	10.00		71	67	68	87	3	01	29.89	30.00
06	BKN	250	10.00		72	65	68	79	3	02	29.90	30.01
09	BKN	250	10.00		74	67	69	79	8	04	29.92	30.03
12	BKN	100	10.00		82	66	71	58	10	07	29.91	30.01
15	OVC	250	10.00		83	65	71	55	10	07	29.84	29.95
18	OVC	250	10.00		78	66	70	67	6	12	29.87	29.97
21	BKN	250	10.00		74	66	69	76	7	09	29.88	29.99
24	OVC	250	10.00		74	66	69	76	3	33	29.86	29.96
SUNRISE: 0613 SEP 28					SUNSET: 1812							
03	BKN	250	10.00		72	67	69	84	5	01	29.84	29.94
06	BKN	250	10.00		73	67	69	81	6	36	29.86	29.96
09	BKN	070	10.00		77	69	72	77	9	06	29.89	30.00
12	BKN	024	10.00		84	73	76	70	10	10	29.87	29.98
15	SCT	100	10.00		87	70	75	57	9	01	29.79	29.90
18	BKN	110	10.00		83	70	74	65	7	05	29.81	29.92
21	BKN	110	10.00		79	70	73	74	8	06	29.85	29.96
24	SCT	120	10.00		74	71	72	91	3	36	29.83	29.94
SUNRISE: 0614 SEP 29					SUNSET: 1811							
03	SCT	250	10.00		72	70	71	94	0	00	29.81	29.92
06	FEW	250	8.00		70	68	69	93	5	36	29.83	29.93
09	FEW	025	10.00		80	69	73	69	6	02	29.85	29.96
12	SCT	036	10.00		86	70	75	59	9	35	29.82	29.93
15	SCT	037	10.00		87	70	75	57	10	06	29.76	29.87
18	SCT	065	10.00		82	72	75	72	6	03	29.76	29.87
21	SCT	120	10.00		75	72	73	90	5	04	29.78	29.88
24	SCT	120	10.00		74	71	72	91	5	11	29.75	29.86
SUNRISE: 0614 SEP 30					SUNSET: 1810							
03	SCT	120	10.00		72	71	71	97	3	01	29.76	29.86
06	SCT	250	10.00		72	70	71	94	0	00	29.76	29.87
09	FEW	015	10.00		80	74	76	82	6	10	29.77	29.88
12	BKN	250	10.00		84	72	76	67	8	14	29.75	29.85
15	BKN	250	10.00		87	71	76	59	5	VR	29.67	29.78
18	BKN	095	10.00		82	72	75	72	0	00	29.68	29.79
21	BKN	250	10.00		78	74	75	87	8	14	29.69	29.80
24	SCT	250	10.00		75	73	74	94	0	00	29.69	29.80

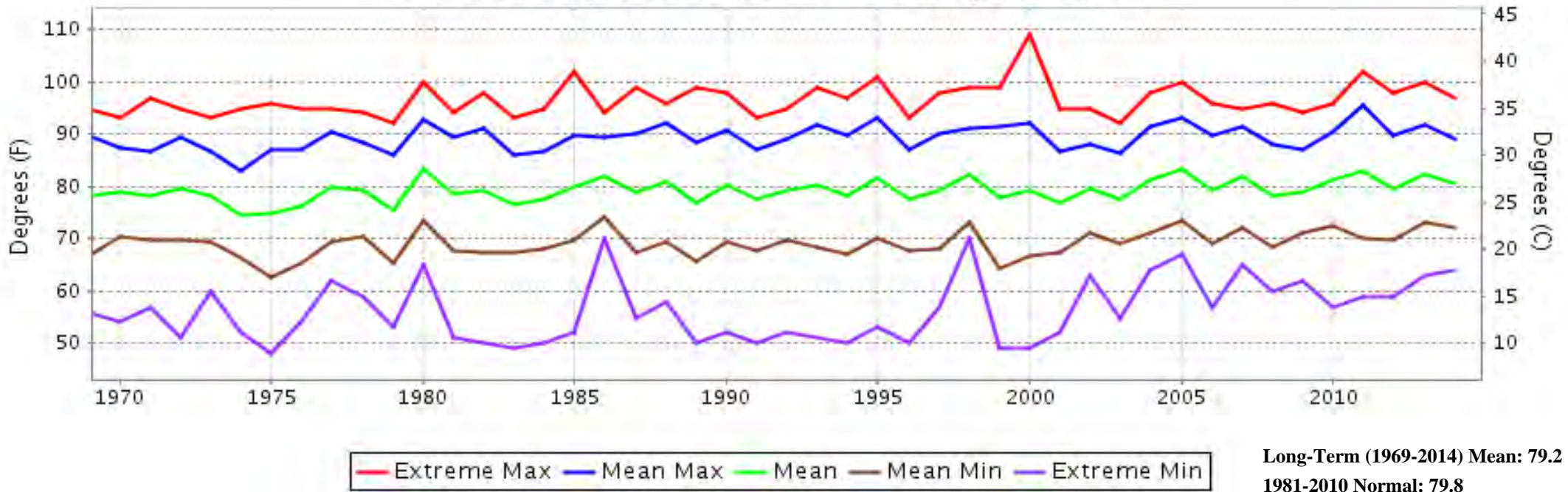
HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)	
					DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL

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.

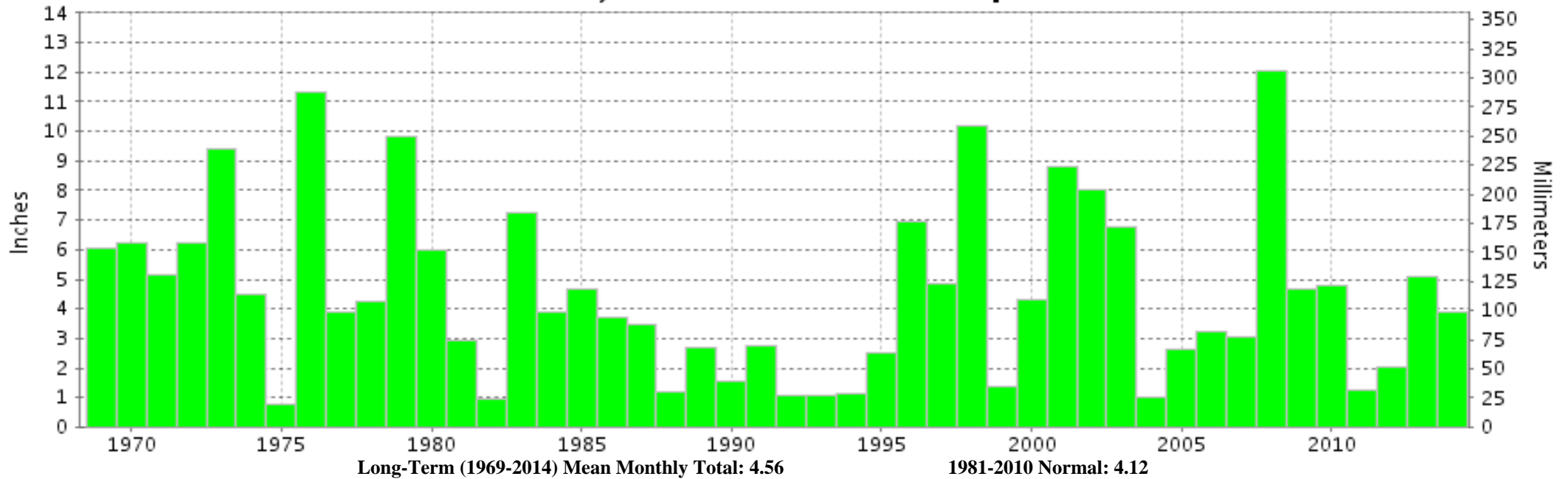
SUMMARY BY HOUR

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	75	72	73	91	29.89	29.99	9.93	4	4	07
02	74	72	73	91	29.88	29.99	9.63	3	2	05
03	74	71	72	92	29.87	29.98	9.60	3	3	05
04	74	71	72	92	29.87	29.98	9.37	3	3	05
05	73	71	72	92	29.88	29.99	9.23	2	2	05
06	73	71	72	92	29.89	30.00	9.00	3	2	05
07	74	71	72	90	29.90	30.01	9.05	5	3	07
08	77	72	74	84	29.91	30.02	9.15	6	3	07
09	80	72	74	77	29.92	30.03	9.20	7	5	08
10	83	72	75	70	29.92	30.03	9.45	7	5	08
11	84	71	75	65	29.92	30.03	9.53	8	5	08
12	85	71	75	63	29.91	30.01	9.73	8	4	08
13	86	71	75	61	29.89	29.99	9.73	8	7	08
14	86	70	75	61	29.87	29.97	9.67	8	4	07
15	86	71	75	62	29.85	29.96	9.77	9	6	08
16	85	71	75	65	29.84	29.95	10.00	10	7	08
17	84	71	75	66	29.84	29.95	10.00	9	7	08
18	82	71	74	71	29.85	29.96	10.00	8	6	08
19	79	71	74	78	29.85	29.96	10.00	7	5	08
20	78	72	74	81	29.87	29.98	10.00	6	4	07
21	77	72	73	84	29.88	29.99	9.97	5	3	07
22	76	72	73	86	29.89	29.99	10.00	5	3	07
23	76	72	73	88	29.88	29.99	10.00	3	2	05
24	75	72	73	88	29.88	29.99	9.97	4	2	06

HOUSTON, TX SEPTEMBER Temperatures



HOUSTON, TX SEPTEMBER Precipitation





**SEPTEMBER 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

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Asheville, NC 28801-5001