



APRIL 2013 LOCAL CLIMATOLOGICAL DATA NOAA, National Climatic Data Center

HOUSTON, TX
G BUSH INTERCONTINENTAL AP/HOUSTON AP (KIAH)
 Lat:29° 58'N Long: 95° 21'W Elev (Ground) 95 Feet
 Time Zone : CENTRAL WBAN: 12960 ISSN#: 0198-5094



Date 1	Temperature °F						Deg Days BASE 65°		WEATHER 10	SNOW/ICE ON GND(IN)		PRECIPITATION ON GND(IN)		PRESSURE (INCHES OF HG)		WIND SPEED = MPH DIR = TENS OF DEGREES								Date 24
	MAXIMUM 2	MINIMUM 3	AVERAGE 4	DEP FROM NORMAL 5	AVERAGE DEW PT 6	AVERAGE WET BULB 7	HEATING 8	COOLING 9		0600 LST 11	1200 LST 12	2400 LST 13	2400 LST 14	AVERAGE STATION 15	AVERAGE SEA LEVEL 16	RESULTANT SPEED 17	RES DIR 18	AVERAGE SPEED 19	MAXIMUM					
																			3-SEC		2-MIN			
01	81	59	70	4	62	64	0	5	FG+ BCFG BR	0		0.0	0.00	29.90	30.01	4.5	12	5.8	22	14	18	14	01	
02	74	59	67	1	61	63	0	2	TS TSRA RA FG BR	0		0.0	1.46	29.80	29.95	7.2	09	9.9	38	06	32*	05	02	
03	66	51	59	-7	55	57	6	0	RA BR	0		0.0	0.19	29.85	29.96	9.4	01	10.5	25	34	22	34	03	
04	56	50	53*	-13	46	49	12	0	RA BR	0		0.0	T	30.01	30.11	10.6	33	11.0	25	34	20	33	04	
05	71	45	58	-9	45	51	7	0		0		0.0	0.00	30.04	30.17	1.0	31	4.4	15	14	10	03	05	
06	75	47	61	-6	53	58	4	0		0		0.0	0.00	29.89	30.03	8.2	17	8.3	28	15	21	15	06	
07	80	60	70	3	59	63	0	5		0		0.0	0.00	29.80	29.93	10.7	15	10.8	30	13	23	14	07	
08	81	67	74	7	65	67	0	9		0		0.0	0.00	29.71	29.83	14.3	15	14.7	32	14	28	15	08	
09	82	69	76	9	68	70	0	11		0		0.0	0.00	29.66	29.78	18.5	14	18.8	37	14	29	15	09	
10	83	48	66	-1	60	62	0	1	TSRA RA BR	0		0.0	0.23	29.68	29.78	3.3	17	13.5	33	29	25	16	10	
11	69	43	56	-11	44	50	9	0	TS TSRA RA	0		0.0	0.69	29.75	29.86	8.2	34	8.9	29	35	23	34	11	
12	79	46	63	-4	45	53	2	0		0		0.0	0.00	29.83	29.94	2.7	11	3.4	16	13	12	12	12	
13	79	51	65	-3	53	58	0	0		0		0.0	0.00	29.77	29.90	7.3	12	7.7	28	11	22	11	13	
14	83	55	69	1	62	64	0	4		0		0.0	0.00	29.62	29.75	4.6	17	5.9	24	13	21	13	14	
15	84	70	77	9	68	70	0	12	BR	0		0.0	0.00	29.70	29.81	10.2	16	10.7	21	13	17	14	15	
16	82	72	77*	9	70	72	0	12	BR HZ	0		0.0	0.00	29.80	29.90	13.1	14	13.4	28	14	23	14	16	
17	77	73	75	6	71	72	0	10	RA BR	0		0.0	T	29.73	29.86	13.6	14	13.8	31	14	23	15	17	
18	77	53	65	-4	58	61	0	0	RA BR	0		0.0	0.05	29.75	29.85	2.8	32	15.0	40*	31	30	31	18	
19	67	47	57	-12	33	46	8	0		0		0.0	0.00	30.09	30.17	12.7	35	13.0	32	30	25	34	19	
20	69	39*	54	-15	39	48	11	0		0		0.0	0.00	30.06	30.18	5.8	13	6.6	24	15	20	13	20	
21	76	47	62	-8	51	56	3	0	HZ	0		0.0	0.00	30.01	30.13	4.2	11	5.6	18	13	14	10	21	
22	79	53	66	-4	57	60	0	1		0		0.0	0.00	29.91	30.04	4.9	14	6.2	21	14	18	14	22	
23	79	57	68	-2	63	66	0	3	RA BCFG	0		0.0	T	29.83	29.95	6.2	15	8.5	23	15	18	16	23	
24	71	49	60	-10	46	52	5	0	RA	0		0.0	T	30.05	30.15	13.0	36	13.9	31	36	26	36	24	
25	76	55	66	-5	46	55	0	1		0		0.0	0.00	30.12	30.23	9.6	08	11.1	25	06	20	06	25	
26	81	66	74	3	65	68	0	9	RA	0		0.0	T	30.02	30.14	12.0	14	12.3	26	14	22	14	26	
27	82	66	74	3	66	68	0	9	TS TSRA RA BR	0		0.0	0.26	29.93	30.05	6.7	16	7.6	36	15	30	15	27	
28	82	64	73	2	62	66	0	8	RA	0		0.0	T	29.83	29.96	2.8	18	6.2	37	16	29	16	28	
29	84	61	73	2	65	67	0	8	FG BR	0		0.0	0.00	29.77	29.89	4.9	13	6.2	26	17	16	14	29	
30	85*	65	75	4	64	68	0	10	RA	0		0.0	T	29.68	29.80	6.4	13	7.0	23	15	21	15	30	

77.0	56.2	66.6	☼	56.7	60.8	2.2	4.0	< MONTHLY AVERAGES TOTALS >				0.0	2.88	29.85	29.97	4.1	13	9.7	< MONTHLY AVERAGES			
-2.6	-3.2	-2.9		-----DEPARTURE FROM NORMAL ----->								-0.43	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									
DEGREE DAYS								GREATEST 24-HR PRECIPITATION : 1.65 DATE : 02-03				SEA LEVEL PRESSURE				DATE TIME						
MONTHLY								GREATEST 24-HR SNOWFALL : 0.0 DATE :				MAXIMUM : 30.32				25 0841						
SEASON TO DATE								GREATEST SNOW DEPTH : 0 DATE :				MINIMUM : 29.67				14 1723						
TOTAL DEPARTURE				TOTAL DEPARTURE				NUMBER OF -> DAYS WITH				MAXIMUM TEMP >= 90 : 0		MINIMUM TEMP <= 32 : 0		PRECIPITATION >= 0.01 INCH: 6						
HEATING : 67 30				1173 -193				MAXIMUM TEMP <= 32 : 0		MINIMUM TEMP <= 0 : 0		PRECIPITATION >= 0.10 INCH: 5										
COOLING : 120 -52				225 -56				THUNDERSTORMS : 4		HEAVY FOG : 1		SNOWFALL >= 1.0 INCH : 0										

**APRIL 2013
HOUSTON, TX**

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

HOUSTON, TX (KIAH)
APRIL 2013

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		T						T	0.49	0.93	0.04	02	1.46	1.46	
03	T		0.01	0.02						T			03				T	0.04	0.11	0.01	T				03	0.19	0.19	
04						T				T			04								T				04	T	T	
05													05												05	0.00	0.00	
06													06												06	0.00	0.00	
07													07												07	0.00	0.00	
08													08												08	0.00	0.00	
09													09												09	0.00	0.00	
10													10		T	T	T	T	T			0.02	0.03	0.16	10	0.23	0.23	
11	0.22	T	0.08	0.11	0.02	0.06	0.16	0.04		T			11												11	0.69	0.69	
12													12												12	0.00	0.00	
13													13												13	0.00	0.00	
14													14												14	0.00	0.00	
15													15												15	0.00	0.00	
16													16												16	0.00	0.00	
17		T	T	T	T	T		T		T			17		T	T	T	T	T					17	T	T		
18					T	T							18	T	0.01	T									18	0.05	0.05	
19													19												19	0.00	0.00	
20													20												20	0.00	0.00	
21													21												21	0.00	0.00	
22													22												22	0.00	0.00	
23													23												23	T	T	
24	T	T	T	T									24												24	T	T	
25													25												25	0.00	0.00	
26													26												26	T	T	
27													27		T	0.03	0.04	T	0.04	0.09	0.03	0.02	0.01		27	0.26	0.26	
28		T	T										28												28	T	T	
29													29												29	0.00	0.00	
30													30												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)	0.38	0.70	0.92	1.06	1.20	1.32	1.35	1.40	1.44	1.45	1.46	1.46
Ending Date	02	02	02	02	02	02	02	02	02	02	02	02
Ending Time (Hr/Min)	2202	2206	2210	2213	2221	2224	2238	2259	2314	2335	2335	2335

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 1981-2010

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 Unknwn Precipitation		

Intensity (as indicated on pages 4 to 6):
'+' = Heavy '' = Moderate '-' = Light

HOUSTON, TX APRIL 2013

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:

Beginning with the January 2013 LCD, monthly mean temperature calculations have changed to the National Data Stewardship Team standard. Monthly maximum and minimum temperature are not rounded until after monthly mean temperature is calculated. This is the most accurate outcome, but may be slightly different from the mean derived from rounded monthly maximum and minimum.

Date	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
	TOTAL MINUTES	PERCENT POSSIBLE	SR-SS		MN-MN		MINIMUM	MAXIMUM	
			Sky Cover	Satellite	Sky Cover	Satellite			
01							0.12	10.00	
02							2.00	10.00	
03							4.00	10.00	
04							5.00	10.00	
05							9.00	10.00	
06							10.00	10.00	
07							10.00	10.00	
08							9.00	10.00	
09							8.00	10.00	
10							2.00	10.00	
11							8.00	10.00	
12							10.00	10.00	
13							8.00	10.00	
14							10.00	10.00	
15							6.00	10.00	
16							2.00	10.00	
17							1.75	10.00	
18							1.00	10.00	
19							10.00	10.00	
20							10.00	10.00	
21							6.00	10.00	
22							9.00	10.00	
23							7.00	10.00	
24							10.00	10.00	
25							10.00	10.00	
26							8.00	10.00	
27							4.00	10.00	
28							10.00	10.00	
29							1.00	10.00	
30							9.00	10.00	
MONTHLY AVGS							6.66	10.00	
SUNSHINE (Minutes)									
Total : 0					Possible : 23225				
Percent Possible : 0									
NUMBER OF DAYS WITH :									
SKY CONDITION									
Clear		Partly CLDY		Cloudy		Missing			
MINIMUM VISIBILITY (MILES)									
<= .25		<= 3.0				>= 7.0			
1		7				18			

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX

APRIL 2013

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)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	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	Observation Time (LST)			Eff Cld Amt Oktas	VISIBILITY (MILES)	DRY BULB			DEW POINT	WET BULB	STATION	SEA LEVEL	
																													PRESSURE (INCHES, HG)
SUNRISE: 0611			APR 01			SUNSET: 1839			SUNRISE: 0604															APR 07			SUNSET: 1843		
03	VV	002			0.12	FG	60	60	60	100	3	03	29.86	29.97	03	BKN	250			10.00		62	59	60	90	0	00	29.83	29.93
06	OVC	011			2.00	BR	61	61	61	100	0	00	29.92	30.03	06	BKN	250			10.00		63	59	61	87	5	15	29.83	29.94
09	OVC	021			2.00	BR	65	63	64	93	7	12	29.97	30.08	09	SCT	038			10.00		71	59	64	66	8	17	29.88	29.98
12	BKN	250			10.00		74	63	67	69	6	05	29.95	30.06	12	BKN	044			10.00		77	58	65	52	15	15	29.86	29.96
15	BKN	035			10.00		79	63	69	58	6	13	29.88	29.98	15	BKN	046			10.00		77	58	65	52	15	15	29.78	29.88
18	FEW	040			10.00		77	62	68	60	9	15	29.85	29.96	18	BKN	040			10.00		73	58	64	59	17	14	29.75	29.86
21	FEW	250			10.00		68	61	64	78	10	15	29.89	30.00	21	OVC	036			10.00		69	61	64	76	11	15	29.79	29.90
24	FEW	250			10.00		64	61	62	90	0	00	29.90	30.01	24	SCT	250			10.00		68	63	65	84	10	15	29.77	29.88
SUNRISE: 0610			APR 02			SUNSET: 1840			SUNRISE: 0603															APR 08			SUNSET: 1844		
03	SCT	250			8.00		61	60	60	97	3	12	29.88	29.98	03	BKN	250			10.00		68	65	66	90	10	17	29.74	29.85
06	BKN	170			10.00		64	62	63	93	3	19	29.87	29.98	06	BKN	250			10.00		67	65	66	93	8	16	29.73	29.84
09	OVC	250			10.00		65	61	63	87	10	08	29.92	30.03	09	BKN	250			10.00		74	63	67	69	17	17	29.74	29.85
12	OVC	018			10.00		69	62	65	78	8	10	29.90	30.01	12	BKN	250			10.00		80	63	69	56	17	16	29.74	29.85
15	OVC	020			10.00		73	63	67	71	13	11	29.82	29.93	15	BKN	250			10.00		80	63	69	56	17	16	29.68	29.79
18	OVC	085			10.00		70	60	64	71	13	09	29.76	29.86	18	BKN	036			10.00		73	65	68	76	16	13	29.69	29.79
21	OVC	018			10.00	-RA	69	60	64	73	15	09	29.76	29.87	21	OVC	028			10.00		71	67	68	87	15	14	29.71	29.81
24	OVC	200			10.00	-RA	64	61	62	90	16	05	29.69	29.80	24	OVC	021			10.00		72	67	69	84	13	16	29.70	29.81
SUNRISE: 0609			APR 03			SUNSET: 1841			SUNRISE: 0602															APR 09			SUNSET: 1844		
03	BKN	100			10.00		63	61	62	93	9	30	29.81	29.92	03	BKN	040			10.00		70	66	67	87	16	14	29.66	29.77
06	FEW	100			10.00		61	59	60	93	0	00	29.74	29.84	06	BKN	014			10.00		69	65	66	87	16	14	29.67	29.78
09	OVC	005			4.00	-RA BR	59	58	58	96	14	36	29.84	29.95	09	BKN	018			10.00		74	65	68	74	22	15	29.70	29.81
12	BKN	020			10.00		62	55	58	78	11	03	29.85	29.96	12	BKN	150			10.00		81	68	72	65	16	14	29.68	29.79
15	OVC	017			10.00		60	53	56	78	14	36	29.87	29.98	15	BKN	055			10.00		81	69	73	67	26	15	29.61	29.72
18	OVC	012			6.00	RA BR	56	53	54	90	8	33	29.89	30.00	18	OVC	030			10.00		77	69	72	77	20	15	29.63	29.73
21	OVC	015			10.00		53	51	52	93	10	03	29.96	30.06	21	OVC	012			8.00		75	70	72	84	23	15	29.68	29.79
24	OVC	013			10.00		52	49	50	89	8	02	29.98	30.09	24	OVC	013			10.00		74	69	71	85	21	15	29.71	29.81
SUNRISE: 0608			APR 04			SUNSET: 1841			SUNRISE: 0601															APR 10			SUNSET: 1845		
03	OVC	011			10.00		51	49	50	92	7	35	29.92	30.03	03	OVC	019			10.00		75	69	71	82	22	16	29.64	29.75
06	OVC	014			5.00	BR	50	48	49	93	8	31	29.97	30.08	06	OVC	023			10.00		74	69	71	85	11	17	29.62	29.73
09	OVC	015			10.00		52	48	50	86	9	33	30.03	30.14	09	OVC	018			8.00		77	70	72	79	13	16	29.66	29.76
12	OVC	039			10.00		56	45	50	67	17	32	30.02	30.14	12	OVC	048			10.00		81	70	74	69	16	19	29.65	29.76
15	OVC	027			10.00		55	44	50	67	13	33	29.98	30.09	15	OVC	013			2.00	-RA BR	53	52	52	96	14	33	29.68	29.79
18	OVC	027			10.00		52	42	47	69	9	34	30.00	30.11	18	OVC	006			2.00	-RA BR	52	51	51	97	10	34	29.69	29.79
21	OVC	029			10.00		51	41	46	69	15	35	30.06	30.17	21	OVC	008			6.00	-RA BR	51	49	50	92	9	34	29.74	29.85
24	OVC	028			10.00		51	42	47	71	7	35	30.09	30.20	24	OVC	045			5.00	TSRA BR	48	46	47	93	3	VR	29.79	29.90
SUNRISE: 0606			APR 05			SUNSET: 1842			SUNRISE: 0559															APR 11			SUNSET: 1845		
03	SCT	030			10.00		47	42	45	83	6	34	30.08	30.19	03	OVC	065			8.00	-TSRA	46	43	45	89	0	00	29.74	29.85
06	CLR	NC			10.00		46	42	44	86	5	27	30.11	30.22	06	OVC	100			9.00	+RA	45	41	43	86	18	34	29.76	29.87
09	FEW	250			10.00		57	44	50	62	10	01	30.14	30.25	09	OVC	250			10.00		45	41	43	86	15	32	29.77	29.88
12	FEW	250			10.00		64	45	54	50	0	00	30.11	30.23	12	CLR	NC			10.00		59	43	51	56	6	32	29.78	29.89
15	BKN	250			10.00		69	45	56	42	0	00	30.02	30.13	15	CLR	NC			10.00		67	43	54	42	11	36	29.70	29.81
18	BKN	250			10.00		70	43	56	38	7	13	29.98	30.09	18	CLR	NC			10.00		67	43	54	42	7	34	29.70	29.81
21	SCT	250			10.00		61	49	55	65	6	16	30.01	30.12	21	CLR	NC			10.00		59	43	51	56	3	33	29.76	29.87
24	BKN	250			10.00		57	47	52	69	3	20	30.00	30.11	24	CLR	NC			10.00		52	45	49	77	3	29	29.78	29.89
SUNRISE: 0605			APR 06			SUNSET: 1842			SUNRISE: 0558															APR 12			SUNSET: 1846		
03	BKN	250			10.00		55	49	52	80	3	16	29.93	30.03	03	CLR	NC			10.00		48	45	47	89	3	36	29.79	29.90
06	SCT	250			10.00		47	46	47	97	0	00	29.94	30.05	06	CLR	NC			10.00		47	44	46	90	0	00	29.83	29.94
09	BKN	250			10.00		64	55	59	73	16	17	29.98	30.09	09	FEW	250			10.00		64	46	54	52	5	07	29.90	30.01
12	SCT	037			10.00		73	54	62	51	15	17	29.95	30.05	12	SCT	250			10.00		74	41	57	31	0	00	29.88	29.99
15	SCT	045			10.00		74	55	63	52	10	18	29.88	29.98	15	SCT	250			10.00		77	39	57	26	3	VR	29.81	29.92
18	SCT	040			10.00		71	56	62	59	16	16	29.85	29.96	18	BKN	250			10.00		75	42	57	31	10	10	29.78	29.89
21	SCT	250			10.00		64	57	60	78	7	16	29.86	29.97	21	SCT	250			10.00		64	52	57	65	6	15	29.83	29.94
24	BKN	250			10.00		62	58	60	86	6	16	29.87	29.97	24	FEW	250			10.00		56	53	54	90	0	00	29.86	29.97

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX
APRIL 2013

KIAH

WBAN # 12960

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			WIND		PRESSURE (INCHES, HG)																	
			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															
															WEATHER														
SUNRISE: 0557							APR 13							SUNSET: 1847															
03	FEW	250			10.00		53	51	52	93	0	00	29.85	29.95	03	SCT	250			10.00		49	36	43	61	10	35	30.01	30.12
06	SCT	250			9.00		52	51	51	97	0	00	29.86	29.96	06	BKN	250			10.00		47	33	41	59	15	35	30.08	30.19
09	BKN	250			10.00		65	59	61	81	6	08	29.87	29.98	09	BKN	160			10.00		49	33	42	55	17	35	30.13	30.24
12	BKN	250			10.00		74	52	61	46	15	13	29.82	29.93	12	SCT	150			10.00		62	33	48	34	21	35	30.11	30.22
15	BKN	250			10.00		77	50	61	39	14	13	29.74	29.85	15	CLR	NC			10.00		67	28	49	23	18	35	30.06	30.17
18	BKN	250			10.00		72	50	60	46	15	13	29.74	29.84	18	CLR	NC			10.00		64	26	47	24	13	33	30.03	30.15
21	SCT	250			10.00		64	58	60	81	5	11	29.75	29.86	21	CLR	NC			10.00		56	30	45	37	6	34	30.11	30.22
24	BKN	250			10.00		60	58	59	93	3	15	29.69	29.80	24	CLR	NC			10.00		47	33	41	59	0	00	30.13	30.24
SUNRISE: 0556							APR 14							SUNSET: 1847															
03	SCT	090			10.00		59	58	58	96	0	00	29.63	29.74	03	CLR	NC			10.00		45	34	40	66	0	00	30.10	30.21
06	SCT	250			10.00		55	54	54	96	0	00	29.65	29.76	06	CLR	NC			10.00		40	35	38	83	0	00	30.10	30.22
09	SCT	022			10.00		68	63	65	84	5	13	29.68	29.79	09	CLR	NC			10.00		60	36	49	41	13	10	30.14	30.26
12	OVC	028			10.00		75	63	67	66	5	21	29.67	29.78	12	CLR	NC			10.00		64	32	49	30	14	14	30.11	30.22
15	BKN	038			10.00		81	64	70	57	5	21	29.58	29.69	15	FEW	060			10.00		68	42	55	39	17	14	30.03	30.14
18	FEW	040			10.00		76	66	70	72	17	14	29.57	29.68	18	FEW	060			10.00		63	43	53	48	16	12	30.00	30.11
21	BKN	015			10.00		71	65	67	81	8	17	29.63	29.73	21	CLR	NC			10.00		55	44	50	67	7	12	30.03	30.15
24	OVC	010			10.00		71	66	68	84	8	17	29.65	29.75	24	SCT	036			10.00		50	46	48	86	0	00	30.05	30.16
SUNRISE: 0555							APR 15							SUNSET: 1848															
03	OVC	010			10.00		71	67	68	87	7	17	29.65	29.75	03	CLR	NC			10.00		51	48	49	89	0	00	29.98	30.09
06	OVC	014			10.00		71	67	68	87	8	17	29.68	29.79	06	SCT	130			10.00		53	48	50	83	3	02	30.02	30.13
09	BKN	014			10.00		75	67	70	76	11	16	29.73	29.83	09	SCT	049			10.00		65	50	57	59	8	09	30.06	30.17
12	BKN	250			10.00		82	68	73	63	10	18	29.72	29.82	12	OVC	046			10.00		71	52	60	51	9	15	30.05	30.16
15	BKN	250			10.00		80	68	72	67	8	18	29.68	29.79	15	BKN	055			10.00		72	52	61	50	7	10	29.98	30.09
18	OVC	250			8.00		77	70	72	79	13	14	29.67	29.78	18	SCT	055			10.00		70	55	61	59	10	13	29.96	30.07
21	OVC	015			7.00		73	70	71	90	16	14	29.74	29.85	21	CLR	NC			10.00		62	54	58	75	5	17	30.01	30.12
24	OVC	008			7.00		73	71	72	94	13	13	29.75	29.85	24	CLR	NC			10.00		56	54	55	93	0	00	30.02	30.12
SUNRISE: 0554							APR 16							SUNSET: 1849															
03	OVC	025			8.00		73	69	70	87	10	16	29.74	29.85	03	CLR	NC			10.00		54	53	53	97	6	13	29.96	30.07
06	OVC	027			7.00		72	70	71	94	7	14	29.77	29.88	06	CLR	NC			10.00		54	53	53	97	5	36	29.98	30.09
09	BKN	023			2.00	HZ	77	70	72	79	11	14	29.82	29.93	09	FEW	024			10.00		68	59	63	73	6	VR	30.01	30.11
12	BKN	250			9.00		81	70	74	69	10	13	29.83	29.94	12	FEW	038			10.00		73	57	63	57	5	VR	29.97	30.08
15	OVC	250			10.00		80	69	73	69	15	12	29.80	29.91	15	CLR	NC			10.00		79	59	67	50	3	VR	29.88	29.98
18	OVC	250			10.00		77	72	74	85	18	14	29.79	29.90	18	CLR	NC			10.00		73	58	64	59	16	13	29.84	29.95
21	OVC	007			6.00	BR	75	72	73	90	17	13	29.82	29.93	21	CLR	NC			10.00		65	59	61	81	9	16	29.87	29.98
24	OVC	018			7.00		74	71	72	91	13	15	29.83	29.94	24	CLR	NC			10.00		62	59	60	90	5	18	29.86	29.97
SUNRISE: 0553							APR 17							SUNSET: 1849															
03	OVC	013			8.00	-RA	74	71	72	91	8	16	29.82	29.93	03	BKN	013			10.00		63	60	61	90	5	18	29.82	29.92
06	OVC	035			10.00		73	71	72	94	9	14	29.82	29.93	06	BKN	250			7.00		60	59	59	96	3	13	29.83	29.94
09	OVC	035			9.00		76	71	73	85	14	13	29.82	29.93	09	SCT	027			10.00		73	64	67	74	11	17	29.87	29.98
12	OVC	020			2.00	BR	76	72	73	88	16	14	29.79	29.90	12	BKN	250			10.00		78	63	68	60	13	16	29.86	29.96
15	OVC	006			2.00	-RA BR	74	73	73	97	16	14	29.71	29.82	15	OVC	055			10.00		78	66	70	67	10	12	29.80	29.91
18	OVC	009			2.00	-RA BR	75	72	73	90	17	14	29.67	29.78	18	BKN	250			10.00		77	65	69	66	11	13	29.79	29.90
21	OVC	015			10.00		75	71	72	88	18	15	29.69	29.80	21	BKN	250			10.00		73	67	69	81	6	15	29.85	29.96
24	OVC	024			10.00		74	69	71	85	14	17	29.69	29.80	24	OVC	043			10.00		63	56	59	78	13	33	29.90	30.01
SUNRISE: 0552							APR 18							SUNSET: 1850															
03	OVC	026			10.00		74	69	71	85	16	16	29.62	29.72	03	OVC	018			10.00	-RA	52	48	50	86	14	34	29.96	30.07
06	OVC	022			10.00		74	69	71	85	14	17	29.62	29.73	06	OVC	027			10.00		50	44	47	80	13	34	30.03	30.14
09	OVC	018			9.00		76	70	72	82	13	18	29.63	29.73	09	OVC	055			10.00		52	42	47	69	18	36	30.09	30.20
12	OVC	018			1.00	RA BR	62	60	61	93	21	33	29.68	29.78	12	FEW	250			10.00		63	45	54	52	18	36	30.06	30.17
15	OVC	032			10.00		56	53	54	90	18	33	29.71	29.82	15	FEW	250			10.00		69	46	57	44	17	02	30.01	30.12
18	OVC	065			10.00		54	48	51	80	14	34	29.79	29.90	18	SCT	100			10.00		68	45	56	44	10	36	30.03	30.14
21	BKN	080			10.00		54	46	50	75	13	35	29.92	30.03	21	BKN	100			10.00		63	46	54	54	7	02	30.10	30.20
24	BKN	250			10.00		53	41	47	64	15	35	29.95	30.06	24	BKN	100			10.00		61	45	53	56	10	04	30.10	30.21

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX
APRIL 2013

KIAH

WBAN # 12960

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND		PRESSURE (INCHES, HG)						
			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				
SUNRISE: 0545						APR 25						SUNSET: 1854					
03	FEW	110				59	47	53	64	10	05	30.11	30.22				
06	BKN	250				56	48	52	75	8	03	30.14	30.26				
09	OVC	045				60	44	52	56	16	07	30.21	30.31				
12	BKN	250				70	43	56	38	9	06	30.18	30.29				
15	SCT	250				75	43	58	32	10	08	30.11	30.22				
18	BKN	250				71	42	56	35	13	10	30.09	30.19				
21	OVC	035				68	49	58	51	8	11	30.11	30.22				
24	OVC	032				67	52	59	59	10	12	30.10	30.21				
SUNRISE: 0544						APR 26						SUNSET: 1855					
03	OVC	025				67	63	65	87	11	14	30.03	30.15				
06	OVC	009				68	65	66	90	9	15	30.05	30.16				
09	OVC	040				73	64	67	74	14	14	30.08	30.19				
12	BKN	250				79	67	71	67	16	14	30.06	30.16				
15	BKN	250				79	68	72	69	16	13	30.00	30.11				
18	BKN	250				75	68	70	79	14	11	30.00	30.11				
21	BKN	250				70	67	68	90	17	14	29.98	30.10				
24	SCT	250				69	66	67	90	3	15	30.02	30.12				
SUNRISE: 0543						APR 27						SUNSET: 1856					
03	SCT	036				69	67	68	93	7	16	29.94	30.05				
06	SCT	250				70	68	69	93	3	16	29.95	30.06				
09	OVC	037				75	68	70	79	0	00	30.00	30.10				
12	BKN	080				80	69	73	69	5	VR	29.98	30.08				
15	OVC	090			TSRA BR	73	70	71	90	10	16	29.92	30.03				
18	OVC	110			TSRA	67	64	65	91	3	27	29.94	30.05				
21	BKN	110			-RA	67	65	66	93	17	18	29.86	29.96				
24	BKN	250				67	63	65	87	0	00	29.91	30.02				
SUNRISE: 0542						APR 28						SUNSET: 1856					
03	OVC	130				65	63	64	93	6	18	29.90	30.01				
06	OVC	130				65	61	63	87	3	30	29.87	29.98				
09	SCT	250				74	62	67	67	3	02	29.88	29.98				
12	OVC	250				79	58	66	49	6	VR	29.86	29.97				
15	BKN	250				81	60	68	49	8	18	29.81	29.92				
18	SCT	250				77	63	68	62	14	14	29.78	29.89				
21	SCT	200				70	64	66	82	0	00	29.84	29.94				
24	SCT	250				64	63	63	96	0	00	29.82	29.93				
SUNRISE: 0541						APR 29						SUNSET: 1857					
03	BKN	250				63	62	62	97	3	36	29.77	29.88				
06	BKN	250			BR	63	62	62	97	3	01	29.80	29.91				
09	BKN	250				72	68	69	87	6	12	29.84	29.95				
12	BKN	060				79	65	70	62	11	14	29.82	29.93				
15	BKN	250				80	61	68	52	13	10	29.74	29.85				
18	BKN	250				75	65	69	71	9	16	29.74	29.85				
21	OVC	250				71	66	68	84	3	14	29.76	29.86				
24	BKN	250				68	66	67	93	6	12	29.74	29.85				
SUNRISE: 0540						APR 30						SUNSET: 1857					
03	OVC	250				68	68	68	100	5	10	29.70	29.81				
06	SCT	250				66	66	66	100	3	10	29.70	29.81				
09	SCT	250				76	66	70	72	9	14	29.73	29.83				
12	BKN	250				81	61	68	51	14	13	29.70	29.80				
15	BKN	250				84	62	70	48	8	15	29.64	29.75				
18	SCT	250				77	64	69	64	15	15	29.65	29.75				
21	BKN	250				72	65	68	79	7	11	29.71	29.82				
24	BKN	250				68	64	66	87	0	00	29.71	29.82				

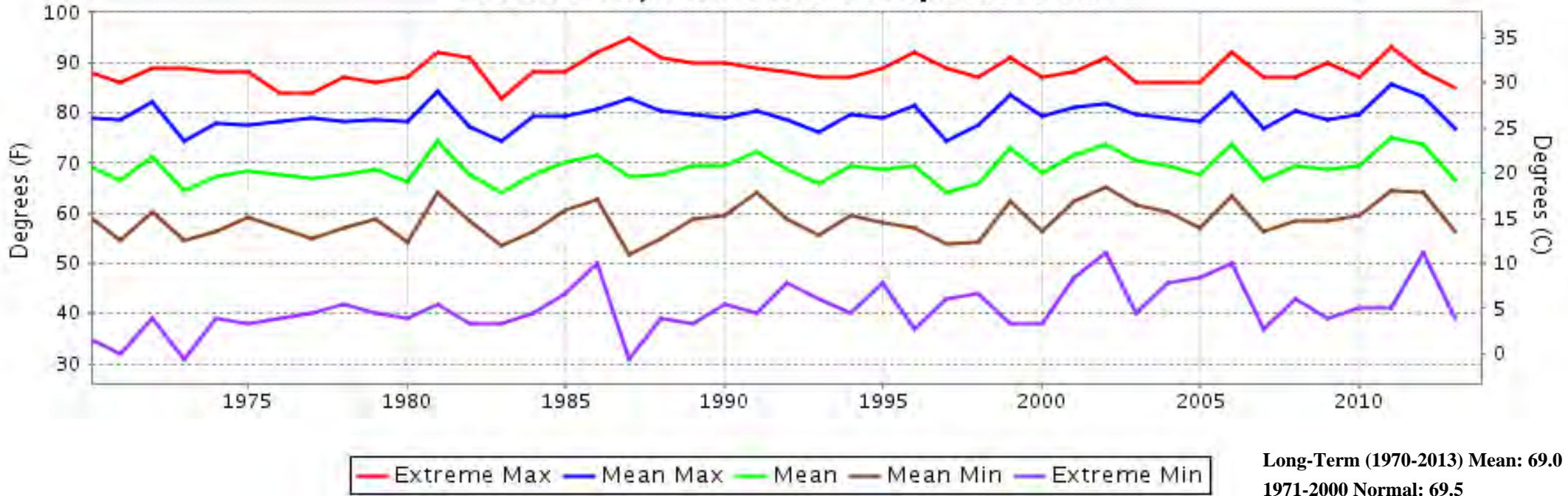
HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND		PRESSURE (INCHES, HG)		
			Observation Time (LST)	Eff Cld Amt Oktas		DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL

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.

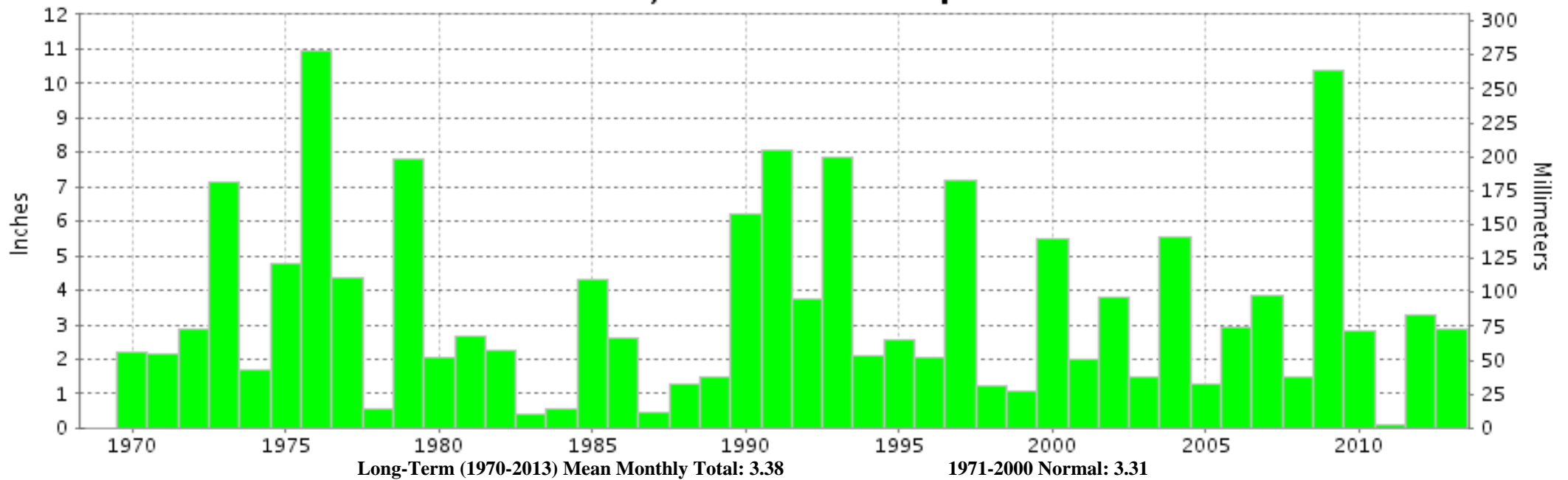
SUMMARY BY HOUR

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			61	56	58	84	29.87	29.98	9.83	7	2	15	
02			61	57	59	86	29.86	29.97	9.41	8	2	14	
03			61	57	58	88	29.85	29.96	9.37	7	3	14	
04			60	57	58	88	29.85	29.96	9.41	7	2	14	
05			60	56	58	88	29.86	29.96	9.44	7	2	15	
06			59	56	58	89	29.86	29.97	9.13	6	2	16	
07			61	57	59	87	29.89	29.99	8.63	8	3	13	
08			64	58	60	82	29.90	30.01	8.93	9	5	11	
09			67	58	62	74	29.90	30.01	9.13	11	4	11	
10			69	57	62	67	29.91	30.02	9.37	11	4	11	
11			71	57	63	62	29.90	30.01	9.57	10	4	12	
12			73	57	63	59	29.89	30.00	9.40	12	4	12	
13			73	56	64	57	29.87	29.98	9.73	12	5	11	
14			74	56	63	57	29.85	29.96	9.40	13	4	12	
15			73	56	63	58	29.83	29.94	9.27	12	5	11	
16			73	56	63	59	29.81	29.92	9.49	13	6	11	
17			72	56	63	61	29.81	29.92	9.50	14	6	10	
18			70	56	62	64	29.82	29.93	9.17	13	6	10	
19			68	57	61	70	29.83	29.94	9.00	11	5	11	
20			66	57	61	74	29.84	29.95	9.33	11	6	11	
21			65	57	61	77	29.86	29.97	9.57	10	5	11	
22			64	58	60	80	29.87	29.98	9.30	8	3	12	
23			63	57	60	82	29.87	29.98	9.53	8	3	13	
24			62	57	59	83	29.87	29.98	9.63	7	4	13	

HOUSTON, TX APRIL Temperatures



HOUSTON, TX APRIL Precipitation





**APRIL 2013
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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or Email : ncdc.orders@noaa.gov

NOAA\National Climatic Data Center
Attn: User Engagement & Services Branch
151 Patton Avenue
Asheville, NC 28801-5001