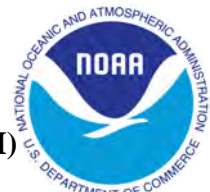




MARCH 2014 LOCAL CLIMATOLOGICAL DATA NOAA, National Climatic Data Center

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			
01	83	64	74*	15	65	67	0	9	BR	0		0.0	0.00	29.88	29.99	9.2	17	9.0	25	17	18	16	01	
02	77	34	56	-3	57	59	9	0	RA BR	0		0.0	0.03	29.91	30.00	2.3	19	12.2	35	31	25	33	02	
03	42	27*	35	-25	27	32	30	0	TS TSRA RA FZRA	0		0.0	0.03	30.16	30.27	16.1	36	16.7	33	36	26	35	03	
04	38	31	35*	-25	32	34	30	0	RA FZRA	0		0.0	1.03	30.03	30.16	5.7	02	6.7	22	04	20	04	04	
05	53	37	45	-15	42	43	20	0	RA BR HZ	0		0.0	0.02	29.95	30.07	4.2	04	5.5	14	11	10	11	05	
06	61	44	53	-7	40	46	12	0		0		0.0	0.00	29.99	30.12	8.8	33	9.1	30	32	21	31	06	
07	66	37	52	-8	44	48	13	0		0		0.0	0.00	29.91	30.03	6.5	14	6.7	26	16	18	14	07	
08	69	51	60	-1	54	56	5	0	RA	0		0.0	0.11	29.96	30.06	6.3	11	8.8	20	36	17	36	08	
09	58	46	52	-9	48	49	13	0	RA BR	0		0.0	0.43	30.11	30.22	7.7	35	8.3	20	36	16	35	09	
10	73	48	61	0	52	55	4	0		0		0.0	0.00	29.93	30.07	2.0	12	4.3	15	15	12	14	10	
11	75	56	66	5	56	60	0	1		0		0.0	0.00	29.62	29.77	4.7	22	5.1	20	20	14	23	11	
12	68	49	59	-3	39	50	6	0		0		0.0	0.00	29.98	30.05	14.5	34	15.6	38*	35	30*	36	12	
13	67	38	53	-9	33	45	12	0		0		0.0	0.00	30.12	30.24	4.5	13	7.0	23	12	18	14	13	
14	75	47	61	-1	52	56	4	0		0		0.0	0.00	29.96	30.08	7.6	15	8.1	24	15	20	16	14	
15	69	62	66	4	63	64	0	1	RA BR	0		0.0	0.56	29.72	29.87	8.4	14	8.9	23	13	18	13	15	
16	69	45	57	-5	52	56	8	0	TS RA BR	0		0.0	T	29.73	29.84	11.4	32	13.4	36	31	28	33	16	
17	63	44	54	-9	40	46	11	0		0		0.0	0.00	29.78	29.90	6.7	33	8.0	30	34	22	33	17	
18	77	43	60	-3	50	56	5	0		0		0.0	0.00	29.70	29.83	9.1	17	9.2	30	17	20	17	18	
19	75	57	66	3	54	59	0	1		0		0.0	0.00	29.96	30.05	3.6	35	5.0	22	34	16	36	19	
20	76	56	66	3	45	54	0	1		0		0.0	0.00	30.00	30.12	1.5	07	5.1	17	02	10	07	20	
21	78	50	64	1	57	61	1	0	BR	0		0.0	0.00	29.85	29.99	7.6	16	8.1	25	15	21	15	21	
22	81	65	73	10	65	68	0	8	RA BR HZ	0		0.0	T	29.85	29.96	5.1	13	6.1	25	04	17	15	22	
23	72	53	63	0	55	57	2	0	RA DZ BR	0		0.0	0.05	30.03	30.12	10.3	01	11.1	32	01	25	01	23	
24	64	52	58	-6	47	52	7	0		0		0.0	0.00	29.99	30.10	3.0	04	4.6	15	06	13	06	24	
25	71	46	59	-5	40	49	6	0		0		0.0	0.00	30.11	30.22	6.4	03	7.2	26	02	20	02	25	
26	64	46	55	-9	48	53	10	0	RA BR	0		0.0	0.15	29.99	30.14	12.4	13	12.8	36	15	28	15	26	
27	71	62	67	2	64	65	0	2	RA BR HZ	0		0.0	0.02	29.74	29.89	10.8	16	11.1	29	16	23	16	27	
28	85*	58	72	7	66	68	0	7	TS TSRA RA FG+ FG BR HZ	0		0.0	0.02	29.72	29.82	2.0	16	7.0	35	35	28	34	28	
29	80	53	67	2	48	56	0	2	BR	0		0.0	0.00	30.04	30.13	8.3	35	8.6	24	02	18	01	29	
30	73	46	60	-5	46	53	5	0		0		0.0	0.00	30.04	30.16	8.0	14	8.2	25	13	20	14	30	
31	78	50	64	-1	58	61	1	0		0		0.0	0.00	29.88	30.00	9.0	16	9.2	29	15	22	15	31	

69.4	48.3	58.8	☼	49.6	54.1	6.9	1.0	< MONTHLY AVERAGES TOTALS >				0.0	2.45	29.92	30.04	1.4	08	8.6	< MONTHLY AVERAGES			
-3.6	-4.2	-3.9		<-----DEPARTURE FROM NORMAL----->								-0.96	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									

DEGREE DAYS				GREATEST 24-HR PRECIPITATION : 1.06 DATE : 03-04				SEA LEVEL PRESSURE											
MONTHLY				GREATEST 24-HR SNOWFALL : 0.0 DATE :				MAXIMUM : 30.36 DATE 13 TIME 0947											
TOTAL DEPARTURE				GREATEST SNOW DEPTH : 0 DATE :				MINIMUM : 29.64 DATE 11 TIME 1733											
SEASON TO DATE				NUMBER OF -> DAYS WITH				MAXIMUM TEMP >= 90 : 0				MINIMUM TEMP <= 32 : 2				PRECIPITATION >= 0.01 INCH : 11			
HEATING : 214 73 1694 365				MAXIMUM TEMP <= 32 : 0				MINIMUM TEMP <= 0 : 0				PRECIPITATION >= 0.10 INCH : 5							
COOLING : 32 -39 66 -43				THUNDERSTORMS : 3				HEAVY FOG : 1				SNOWFALL >= 1.0 INCH : 0							

**MARCH 2014
HOUSTON, TX**

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

HOUSTON, TX (KIAH)
MARCH 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													01												01	0.00	0.00	
02			T	T								T	02	T		T	0.02	T	T	T	T	0.01	T		02	0.03	0.03	
03													03									T	0.03	T	03	0.03	0.03	
04	0.05	0.07	0.06	0.09	0.25	0.23	0.04	0.01	0.03	T	0.01	0.01	04	0.18	T									T	04	1.03	1.03	
05					T				0.01	0.01			05									T	T		05	0.02	0.02	
06													06												06	0.00	0.00	
07													07												07	0.00	0.00	
08													08								T	0.08	0.03	T	08	0.11	0.11	
09	0.01	0.07	0.10	0.04	0.15	0.05	0.01	T					09												09	0.43	0.43	
10													10												10	0.00	0.00	
11													11												11	0.00	0.00	
12													12												12	0.00	0.00	
13													13												13	0.00	0.00	
14													14												14	0.00	0.00	
15												T	15	0.14	0.03	0.01	0.04	0.21	0.04	0.06	0.02		T		15	0.56	0.56	
16													16												16	T	T	
17													17												17	0.00	0.00	
18													18												18	0.00	0.00	
19													19												19	0.00	0.00	
20													20												20	0.00	0.00	
21													21												21	0.00	0.00	
22			T										22											T	22	T	T	
23				T	0.02			T	T				23			T	0.01	0.01	0.01		T	T	T	23	0.05	0.05		
24													24												24	0.00	0.00	
25													25												25	0.00	0.00	
26													26	T	0.01	0.04	0.09	0.01							26	0.15	0.15	
27													27	T	T	T		0.02	T					T	27	0.02	0.02	
28													28												28	0.02	0.02	
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)	0.09	0.13	0.14	0.16	0.19	0.22	0.30	0.38	0.44	0.49	0.55	0.59
Ending Date	15	15	15	15	15	04	04	04	04	04	04	04
Ending Time (Hr/Min)	1616	1620	1625	1617	1625	0511	0527	0535	0549	0606	0614	0606

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	
VC In the Vicinity	UP Unkown Precipitation		GL Glaze

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

HOUSTON, TX MARCH 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	3.00	10.00
02	2.50	10.00
03	10.00	10.00
04	9.00	10.00
05	1.75	10.00
06	10.00	10.00
07	10.00	10.00
08	10.00	10.00
09	0.25	10.00
10	10.00	10.00
11	10.00	10.00
12	10.00	10.00
13	10.00	10.00
14	10.00	10.00
15	1.00	10.00
16	7.00	10.00
17	10.00	10.00
18	10.00	10.00
19	9.00	10.00
20	10.00	10.00
21	0.50	10.00
22	2.00	10.00
23	6.00	10.00
24	10.00	10.00
25	10.00	10.00
26	4.00	10.00
27	0.50	10.00
28	0.25	10.00
29	0.50	10.00
30	10.00	10.00
31	10.00	10.00
AVGS	6.69	10.00
MINIMUM VISIBILITY (MILES)		
<= .25	<= 3.0	>= 7.0
2	10	19

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			WIND RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)	
					DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
SUNRISE: 0620 MAR 25 SUNSET: 1835												
03	SCT	250	10.00		49	45	47	86	3	35	30.02	30.13
06	BKN	250	10.00		48	45	47	89	0	00	30.06	30.17
09	BKN	250	10.00		58	43	50	58	11	03	30.18	30.29
12	FEW	040	10.00		68	38	53	33	15	02	30.18	30.29
15	BKN	250	10.00		69	34	52	27	16	02	30.11	30.22
18	BKN	250	10.00		66	33	50	29	8	02	30.11	30.22
21	SCT	250	10.00		55	36	46	49	6	05	30.13	30.24
24	SCT	250	10.00		49	35	43	59	7	10	30.11	30.22
SUNRISE: 0618 MAR 26 SUNSET: 1836												
03	SCT	190	10.00		50	33	43	52	6	19	30.11	30.23
06	OVC	250	10.00		51	40	46	66	6	13	30.08	30.19
09	OVC	250	10.00		61	47	54	60	11	13	30.11	30.22
12	OVC	095	10.00		63	45	54	52	22	14	30.08	30.19
15	OVC	100	7.00	-RA	57	53	55	87	22	14	30.02	30.13
18	BKN	110	10.00		59	53	56	81	18	14	29.96	30.07
21	OVC	070	10.00		59	56	57	90	9	12	29.95	30.05
24	OVC	018	10.00		62	58	60	86	14	14	29.90	30.01
SUNRISE: 0617 MAR 27 SUNSET: 1836												
03	OVC	042	10.00		64	58	60	81	14	15	29.83	29.94
06	OVC	017	10.00		65	60	62	84	14	16	29.80	29.91
09	OVC	013	10.00		68	63	65	84	16	17	29.80	29.91
12	OVC	013	2.00	-RA BR	69	67	68	93	14	16	29.79	29.90
15	OVC	011	3.00	BR	70	67	68	90	7	16	29.72	29.83
18	OVC	005	1.50	BR	69	68	68	96	11	17	29.69	29.80
21	OVC	003	0.50	BR	70	69	69	97	7	18	29.72	29.82
24	OVC	003	0.50	BR	70	69	69	97	6	16	29.72	29.83
SUNRISE: 0616 MAR 28 SUNSET: 1837												
03	OVC	013	0.50	FG	71	70	70	96	6	17	29.69	29.79
06	OVC	021	5.00	BR	71	69	70	94	5	16	29.70	29.80
09	OVC	024	4.00	BR	73	70	71	90	3	19	29.73	29.84
12	BKN	040	10.00		81	68	72	65	8	24	29.72	29.83
15	BKN	250	10.00		83	65	71	55	10	16	29.65	29.75
18	OVC	070	7.00		76	70	72	82	3	VR	29.64	29.75
21	SCT	180	10.00		64	58	60	81	0	00	29.78	29.89
24	FEW	250	10.00		59	57	58	93	6	34	29.85	29.96
SUNRISE: 0615 MAR 29 SUNSET: 1838												
03	CLR	NC	10.00		58	55	56	90	9	35	29.90	30.00
06	FEW	009	10.00		54	51	52	90	3	32	29.98	30.09
09	OVC	006	1.50	BR	57	54	55	90	16	35	30.08	30.19
12	BKN	250	10.00		74	51	61	45	15	35	30.09	30.20
15	BKN	250	10.00		78	41	58	27	16	01	30.03	30.14
18	OVC	250	10.00		73	36	54	26	9	01	30.03	30.15
21	BKN	250	10.00		62	41	51	46	5	01	30.09	30.19
24	BKN	250	10.00		55	40	48	57	0	00	30.10	30.20
SUNRISE: 0614 MAR 30 SUNSET: 1838												
03	CLR	NC	10.00		50	43	47	77	0	00	30.08	30.19
06	SCT	250	10.00		50	42	46	74	0	00	30.11	30.22
09	BKN	250	10.00		63	52	57	68	14	14	30.14	30.26
12	BKN	250	10.00		72	45	57	38	15	13	30.11	30.22
15	BKN	250	10.00		73	45	58	37	14	13	30.03	30.14
18	SCT	250	10.00		65	42	53	43	17	15	30.00	30.11
21	CLR	NC	10.00		58	48	53	70	5	17	30.02	30.13
24	CLR	NC	10.00		55	50	52	83	5	14	29.97	30.08

HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			WIND RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)	
					DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
SUNRISE: 0612 MAR 31 SUNSET: 1839												
03	CLR	NC	10.00		54	52	53	93	0	00	29.91	30.02
06	BKN	250	10.00		58	56	57	93	6	15	29.89	29.99
09	BKN	250	10.00		67	59	62	76	15	17	29.92	30.03
12	SCT	037	10.00		76	58	65	54	15	17	29.90	30.01
15	SCT	038	10.00		77	58	65	52	13	17	29.85	29.96
18	SCT	035	10.00		73	59	64	62	9	16	29.84	29.95
21	BKN	150	10.00		67	63	65	87	14	14	29.87	29.97
24	OVC	042	10.00		67	64	65	91	7	16	29.90	30.00

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.

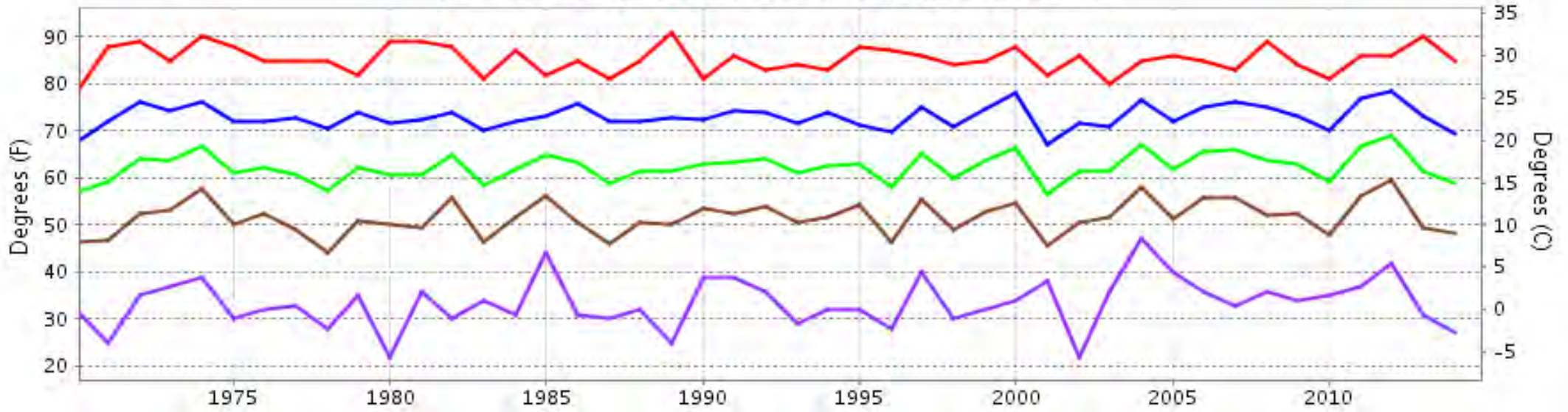
& = Original observation contained additional weather elements.

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	55	49	52	83	29.93	30.04	9.68	6	1	08
02	54	49	52	84	29.92	30.03	9.36	5	1	08
03	54	49	52	85	29.92	30.03	9.34	6	1	08
04	54	49	52	85	29.91	30.02	9.52	5	0	06
05	54	49	51	85	29.92	30.03	9.37	7	0	03
06	53	49	51	85	29.93	30.04	9.15	7	1	08
07	54	49	51	85	29.95	30.06	8.73	7	0	05
08	55	50	53	82	29.97	30.08	8.35	8	1	09
09	58	50	54	77	29.98	30.09	8.56	10	2	09
10	61	50	55	70	29.99	30.10	8.90	11	3	09
11	63	50	56	65	29.98	30.09	9.10	11	2	09
12	65	50	57	61	29.97	30.08	8.87	12	1	09
13	66	50	57	59	29.94	30.05	9.10	11	1	09
14	67	50	57	57	29.92	30.02	9.19	11	2	09
15	67	49	57	57	29.90	30.01	9.58	12	1	09
16	67	50	58	58	29.89	29.99	9.31	11	3	09
17	66	50	58	60	29.88	29.99	9.18	11	2	09
18	63	49	56	64	29.89	30.00	9.10	11	3	09
19	60	49	54	69	29.90	30.01	9.10	9	1	09
20	59	50	54	73	29.92	30.03	9.19	8	2	09
21	58	50	53	76	29.93	30.04	9.29	8	2	09
22	57	49	53	79	29.94	30.05	9.43	6	1	08
23	56	49	52	81	29.94	30.05	9.57	6	1	08
24	55	49	52	81	29.94	30.05	9.56	6	1	08

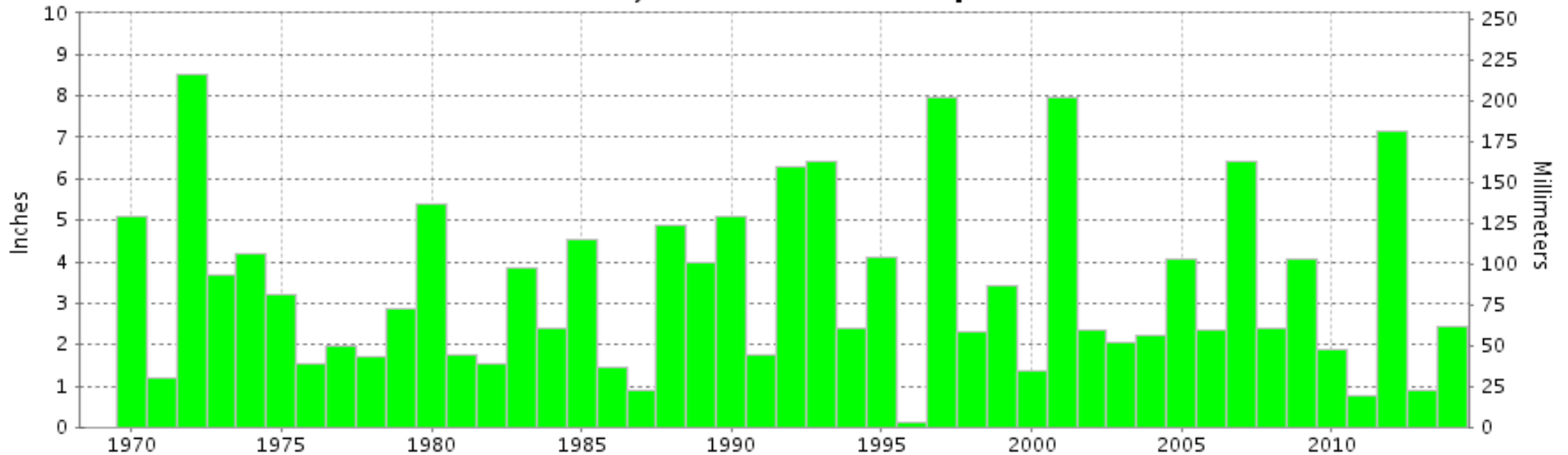
HOUSTON, TX MARCH Temperatures



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

Long-Term (1970-2014) Mean: 62.3
1971-2000 Normal: 62.7

HOUSTON, TX MARCH Precipitation



Long-Term (1970-2014) Mean Monthly Total: 3.32

1971-2000 Normal: 3.41



**MARCH 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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We welcome your questions or comments, please contact us at:
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