



APRIL 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	84	66	75	9	67	69	0	10	RA	0		0.0	T	29.85	29.97	10.5	15	10.4	28	16	23	15	01	
02	82	71	77	11	69	71	0	12	RA BR	0		0.0	T	29.76	29.88	13.8	16	13.9	35	15	25	16	02	
03	76	72	74	8	69	71	0	9	RA BR	0		0.0	T	29.70	29.82	12.2	17	12.3	26	15	20	16	03	
04	75	59	67	1	47	57	0	2	RA DZ	0		0.0	T	29.88	29.98	9.8	36	12.7	36	34	30*	34	04	
05	69	57	63	-4	45	54	2	0		0		0.0	0.00	29.85	29.96	8.9	06	9.6	24	11	20	11	05	
06	63	55	59	-8	54	56	6	0	RA BR	0		0.0	0.04	29.63	29.76	5.8	03	10.3	22	32	18	07	06	
07	74	53	64	-3	50	55	1	0	RA	0		0.0	T	29.78	29.88	6.9	33	8.2	21	34	16	34	07	
08	74	51	63	-4	40	51	2	0	RA	0		0.0	T	29.98	30.07	11.2	31	12.0	39*	34	29	33	08	
09	81	44	63	-4	43	53	2	0		0		0.0	0.00	30.08	30.19	3.3	16	3.8	22	14	18	15	09	
10	83	60	72	5	55	61	0	7		0		0.0	0.00	29.96	30.09	11.2	17	11.3	29	15	22	16	10	
11	82	64	73	6	60	64	0	8		0		0.0	0.00	29.93	30.05	9.9	17	10.3	30	18	22	15	11	
12	83	67	75	8	63	67	0	10		0		0.0	0.00	29.85	29.98	12.7	16	13.1	30	15	24	14	12	
13	78	69	74	6	68	70	0	9	RA BR	0		0.0	T	29.68	29.82	12.1	16	12.2	28	15	22	16	13	
14	77	46	62	-6	54	57	3	0	TS TSRA RA BR	0		0.0	1.52	29.85	29.92	7.7	34	12.4	38	33	28	32	14	
15	64	41	53*	-15	32	44	12	0		0		0.0	0.00	30.11	30.21	9.8	36	10.2	32	03	24	04	15	
16	66	41*	54	-14	43	49	11	0		0		0.0	0.00	29.98	30.12	9.2	12	9.7	25	13	20	14	16	
17	73	53	63	-6	54	58	2	0	TS	0		0.0	0.00	29.98	30.10	8.2	10	9.0	22	05	20	10	17	
18	79	58	69	0	53	59	0	4		0		0.0	0.00	30.02	30.13	6.2	03	6.9	22	04	16	03	18	
19	80	55	68	-1	57	62	0	3		0		0.0	0.00	30.02	30.14	4.4	13	5.0	18	12	15	15	19	
20	80	58	69	0	57	62	0	4	BCFG BR HZ	0		0.0	0.00	30.00	30.12	5.4	15	6.3	29	17	21	15	20	
21	82	61	72	2	63	66	0	7	BCFG	0		0.0	0.00	29.91	30.04	6.2	18	6.5	17	16	13	17	21	
22	87	65	76	6	63	67	0	11		0		0.0	0.00	29.83	29.96	0.8	32	4.3	16	07	12	07	22	
23	84	63	74	4	65	68	0	9	BCFG BR	0		0.0	0.00	29.78	29.91	7.0	15	7.3	31	14	21	14	23	
24	84	69	77	7	65	69	0	12		0		0.0	0.00	29.75	29.86	6.5	18	7.4	23	16	20	16	24	
25	88	66	77	6	64	69	0	12	BCFG BR	0		0.0	0.00	29.83	29.94	3.1	11	5.6	21	07	15	13	25	
26	83	68	76	5	69	71	0	11	BR	0		0.0	0.00	29.68	29.82	11.3	15	11.7	26	16	22	15	26	
27	89	75	82*	11	70	73	0	17	RA HZ	0		0.0	T	29.49	29.62	14.2	17	14.4	32	17	26	16	27	
28	92*	64	78	7	59	68	0	13		0		0.0	0.00	29.52	29.63	2.5	24	6.1	22	21	15	19	28	
29	84	65	75	4	56	64	0	10	FG+ BR	0		0.0	0.00	29.66	29.74	7.5	34	10.0	31	35	24	35	29	
30	75	57	66	-5	41	53	0	1		0		0.0	0.00	29.96	30.04	8.4	34	9.0	30	32	23	34	30	

79.0		59.8		69.4		☼	56.5		61.9		1.4		6.0		< MONTHLY AVERAGES TOTALS >		0.0		1.56		29.84		29.96		2.9		14		9.4		< MONTHLY AVERAGES	
-0.6		0.4		-0.1			<-----DEPARTURE FROM NORMAL----->										-1.75		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3													
DEGREE DAYS										GREATEST 24-HR PRECIPITATION : 1.52 DATE : 14										SEA LEVEL PRESSURE				DATE TIME								
MONTHLY					SEASON TO DATE					GREATEST 24-HR SNOWFALL : 0.0 DATE :					MAXIMUM : 30.31				15 1037													
TOTAL DEPARTURE					TOTAL DEPARTURE					GREATEST SNOW DEPTH : 0 DATE :					MINIMUM : 29.54				27 1753													
HEATING :		41		4		1735		369		NUMBER OF -> DAYS WITH		MAXIMUM TEMP >= 90 :		1		MINIMUM TEMP <= 32 :		0		PRECIPITATION >= 0.01 INCH :		2										
COOLING :		181		9		247		-34		THUNDERSTORMS :		2		MINIMUM TEMP <= 0 :		0		HEAVY FOG :		1		PRECIPITATION >= 0.10 INCH :		1								
																						SNOWFALL >= 1.0 INCH :		0								

APRIL 2014
HOUSTON, TX

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

HOUSTON, TX (KIAH)
APRIL 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												01	T	T	
02	T			T									02					T	T						02	T	T	
03													03		T	T									03	T	T	
04	T	T	T	T	T								04											T	04	T	T	
05													05												05	0.00	0.00	
06		T		0.01	T	T				T	0.01	T	06	T	0.02	T		T						06	0.04	0.04		
07													07											T	07	T	T	
08		T											08												08	T	T	
09													09												09	0.00	0.00	
10													10												10	0.00	0.00	
11													11												11	0.00	0.00	
12													12												12	0.00	0.00	
13					T								13												13	T	T	
14												T	14	1.13	0.32	0.02	0.01	T							14	1.52	1.52	
15													15												15	0.00	0.00	
16													16												16	0.00	0.00	
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													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	T												27												27	T	T	
28													28												28	0.00	0.00	
29													29												29	0.00	0.00	
30													30												30	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)	0.29	0.49	0.59	0.67	0.81	1.00	1.18	1.32	1.41	1.47	1.50	1.50
Ending Date	14	14	14	14	14	14	14	14	14	14	14	14
Ending Time (Hr/Min)	1247	1250	1252	1253	1303	1253	1308	1326	1338	1353	1400	1400

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 APRIL 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	3.00	10.00
03	4.00	10.00
04	7.00	10.00
05	7.00	10.00
06	0.50	10.00
07	10.00	10.00
08	10.00	10.00
09	10.00	10.00
10	10.00	10.00
11	10.00	10.00
12	10.00	10.00
13	5.00	10.00
14	1.50	10.00
15	7.00	10.00
16	10.00	10.00
17	8.00	10.00
18	10.00	10.00
19	10.00	10.00
20	0.50	10.00
21	7.00	10.00
22	10.00	10.00
23	6.00	10.00
24	10.00	10.00
25	2.00	10.00
26	6.00	10.00
27	4.00	10.00
28	7.00	10.00
29	1.00	10.00
30	4.00	10.00
AVGS	6.68	10.00
MINIMUM VISIBILITY (MILES)		
<= .25	<= 3.0	>= 7.0
0	6	18

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX
APRIL 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: 0545 APR 25 SUNSET: 1854					03	OVC	012	10.00		71	68	69	90	5	34	29.81	29.92
06	OVC	010	10.00		70	68	69	93	3	02	29.86	29.96					
09	CLR	NC	10.00		76	63	68	64	11	06	29.91	30.01					
12	CLR	NC	10.00		83	61	69	48	5	VR	29.88	29.99					
15	SCT	070	10.00		86	57	68	37	7	10	29.82	29.93					
18	SCT	065	10.00		82	67	72	60	14	14	29.77	29.88					
21	CLR	NC	10.00		75	67	70	76	6	17	29.82	29.93					
24	CLR	NC	10.00		70	67	68	90	3	18	29.81	29.92					
SUNRISE: 0544 APR 26 SUNSET: 1855					03	BKN	009	8.00		71	68	69	90	5	18	29.76	29.87
06	OVC	015	10.00		71	67	68	87	8	16	29.76	29.86					
09	OVC	016	10.00		75	67	70	76	13	16	29.77	29.88					
12	OVC	014	7.00		76	71	73	85	11	12	29.75	29.86					
15	OVC	038	10.00		79	71	74	77	13	13	29.68	29.79					
18	CLR	NC	10.00		78	70	73	76	17	12	29.64	29.75					
21	OVC	025	10.00		75	71	72	88	16	15	29.66	29.77					
24	OVC	014	10.00		76	72	73	88	14	16	29.63	29.73					
SUNRISE: 0543 APR 27 SUNSET: 1856					03	OVC	022	10.00		76	71	73	85	10	16	29.58	29.69
06	OVC	016	4.00	HZ	75	70	72	84	15	16	29.55	29.66					
09	FEW	023	9.00		80	69	73	69	18	17	29.55	29.66					
12	FEW	047	10.00		87	67	73	51	15	17	29.51	29.61					
15	OVC	050	10.00		84	69	74	61	16	18	29.45	29.55					
18	OVC	040	10.00		80	72	75	76	9	18	29.43	29.54					
21	OVC	018	8.00		78	71	73	79	10	18	29.48	29.59					
24	BKN	016	10.00		76	72	73	88	10	18	29.47	29.58					
SUNRISE: 0542 APR 28 SUNSET: 1856					03	BKN	027	10.00		77	71	73	82	9	23	29.48	29.59
06	SCT	250	10.00		76	70	72	82	5	19	29.53	29.63					
09	BKN	250	10.00		82	69	73	65	9	24	29.57	29.67					
12	CLR	NC	10.00		88	61	70	40	11	33	29.55	29.66					
15	CLR	NC	10.00		90	37	61	15	0	00	29.51	29.61					
18	CLR	NC	10.00		88	38	61	17	3	29	29.48	29.59					
21	CLR	NC	10.00		68	47	57	47	0	00	29.53	29.64					
24	CLR	NC	7.00		72	71	71	97	7	17	29.53	29.64					
SUNRISE: 0541 APR 29 SUNSET: 1857					03	BKN	005	3.00	BR	69	68	68	96	7	14	29.50	29.61
06	BKN	012	10.00		71	69	70	94	5	30	29.54	29.65					
09	BKN	022	10.00		74	67	69	79	8	31	29.61	29.72					
12	FEW	035	10.00		84	55	66	37	17	33	29.62	29.72					
15	CLR	NC	10.00		84	45	62	25	21	35	29.63	29.74					
18	CLR	NC	10.00		79	44	60	29	15	35	29.66	29.77					
21	CLR	NC	10.00		69	43	55	39	3	33	29.76	29.86					
24	CLR	NC	10.00		65	39	52	39	10	01	29.85	29.95					
SUNRISE: 0540 APR 30 SUNSET: 1857					03	CLR	NC	10.00		59	40	50	49	5	35	29.87	29.98
06	FEW	050	10.00		58	41	50	53	6	35	29.90	30.01					
09	FEW	100	10.00		68	35	52	30	17	34	29.96	30.06					
12	FEW	120	10.00		72	41	56	33	14	33	29.98	30.09					
15	SCT	250	10.00		74	41	57	31	14	32	29.94	30.04					
18	BKN	250	10.00		70	40	55	34	10	34	29.93	30.04					
21	BKN	250	10.00		63	39	51	41	7	36	30.01	30.11					
24	BKN	250	10.00		57	42	50	58	0	00	30.03	30.14					

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.

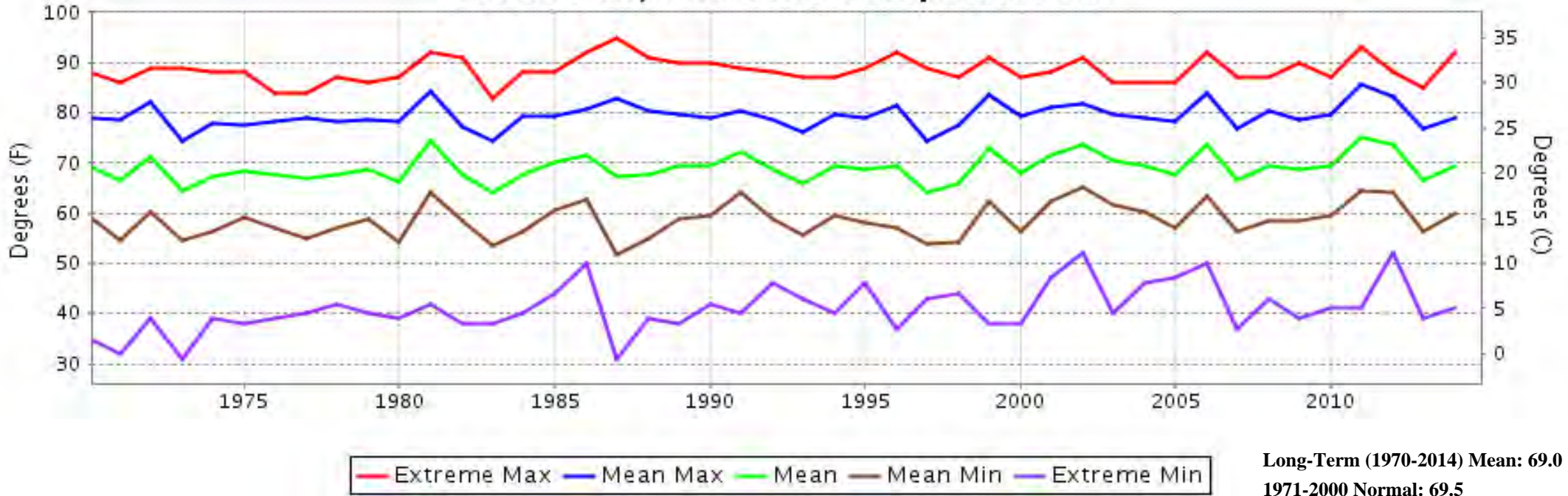
& = Original observation contained additional weather elements.

See page 3 for additional notes.

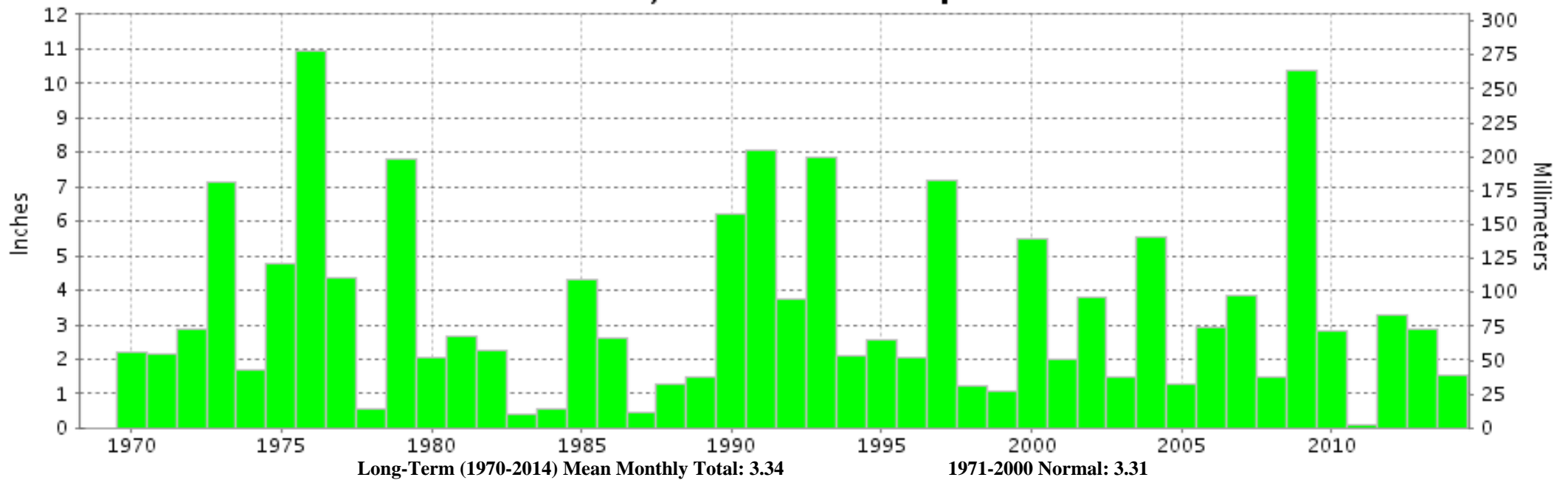
SUMMARY BY HOUR

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	65	59	62	84	29.85	29.96	9.52	7	4	16
02	64	58	61	83	29.84	29.95	9.30	6	4	17
03	64	58	61	84	29.84	29.94	9.20	7	4	17
04	64	58	61	84	29.84	29.94	9.18	7	3	18
05	63	58	60	85	29.84	29.95	9.43	7	4	16
06	63	58	60	85	29.86	29.96	9.40	6	4	16
07	64	58	61	83	29.87	29.98	8.97	7	4	15
08	67	58	62	76	29.89	29.99	9.47	9	4	15
09	70	58	63	67	29.89	30.00	9.77	11	4	15
10	72	57	63	62	29.89	30.00	9.73	11	4	14
11	73	56	63	58	29.89	30.00	9.68	12	4	15
12	75	56	63	54	29.88	29.99	9.52	11	3	16
13	75	54	63	51	29.86	29.97	9.23	11	4	16
14	76	54	63	50	29.84	29.95	9.20	12	3	16
15	77	54	64	49	29.82	29.93	9.57	12	4	15
16	76	54	63	50	29.81	29.92	9.60	12	4	14
17	75	54	63	53	29.80	29.91	9.47	13	4	13
18	73	55	63	57	29.81	29.91	9.57	12	5	13
19	70	55	62	62	29.81	29.92	9.57	11	4	14
20	68	56	61	67	29.83	29.94	9.60	9	4	15
21	67	56	61	70	29.85	29.96	9.70	8	4	15
22	66	57	61	75	29.86	29.97	9.87	8	4	15
23	65	57	61	77	29.86	29.97	9.90	8	3	15
24	65	58	61	80	29.86	29.97	9.73	7	4	15

HOUSTON, TX APRIL Temperatures



HOUSTON, TX APRIL Precipitation





**APRIL 2014
HOUSTON, TX**

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

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

DIRECTOR

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