



# JANUARY 2008

## LOCAL CLIMATOLOGICAL DATA

### NOAA, National Climatic Data Center

**HOUSTON, TX**  
**G BUSH INTERCONTINENTAL AP/HOUSTON AP (KIAH)**  
 Lat:29° 59'N Long: 95° 21'W Elev (Ground) 94 Feet  
 Time Zone : CENTRAL WBAN: 12960 ISSN#: 0198-5094



Date	Temperature °F						Deg Days BASE 65°		WEATHER	SNOW/ICE ON GND(IN)		PRECIPITATION ON GND(IN)		PRESSURE (INCHES OF HG)		WIND SPEED = MPH DIR = TENS OF DEGREES								Date
	MAXIMUM	MINIMUM	AVERAGE	DEP FROM NORMAL	AVERAGE DEW PT	AVERAGE WET BULB	HEATING	COOLING		DEPTH	1200 LST	2400 LST	2400 LST	AVERAGE STATION	AVERAGE SEA LEVEL	RESULTANT SPEED	RES DIR	AVERAGE SPEED	MAXIMUM					
																			5-SEC	DIR	2-MIN	DIR		
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	57	39	48	-4	17	37	17	0		0		0.0	0.00	30.55	30.64	13.0	35	12.8	30	01	24	35	01	
02	50	31	41	-11	16	32	24	0		0		0.0	0.00	30.71	30.81	9.1	34	9.3	26	35	21	01	02	
03	48	27*	38*	-14	22	31	27	0		0		0.0	0.00	30.56	30.71	6.8	11	8.1	20	14	16	15	03	
04	64	33	49	-3	45	48	16	0	BR	0		0.0	0.00	30.26	30.39	11.7	12	12.3	28	14	24	14	04	
05	75	55	65	13	59	61	0	0	RA BR	0		0.0	0.03	30.00	30.14	7.4	18	7.7	23	20	17	21	05	
06	79	65	72	20	62	65	0	7	BR	0		0.0	0.00	29.93	30.06	11.2	17	11.4	26	17	22	16	06	
07	79	69	74*	22	65	68	0	9	RA	0		0.0	T	29.86	29.99	15.0	16	15.1	33	16	26	15	07	
08	77	54	66	15	55	61	0	1	RA	0		0.0	T	29.93	30.02	1.4	19	11.6	32	33	26	32	08	
09	68	43	56	5	44	51	9	0	RA FG+ BR	0		0.0	T	29.91	30.04	2.8	06	7.0	21	36	17	36	09	
10	72	46	59	8	45	54	6	0	RA FG+ BR	0		0.0	0.01	29.80	29.92	6.3	31	8.4	26	32	21	30	10	
11	66	38	52	1	33	43	13	0		0		0.0	0.00	29.84	29.96	1.8	13	3.1	14	09	12	12	11	
12	73	39	56	5	41	48	9	0		0		0.0	0.00	29.83	29.95	2.4	29	7.5	29	33	23	33	12	
13	65	44	55	4	37	45	10	0		0		0.0	0.00	30.11	30.20	7.3	01	8.3	20	03	17	02	13	
14	65	36	51	0	34	43	14	0		0		0.0	0.00	30.22	30.33	2.2	06	3.0	15	09	12	08	14	
15	60	45	53	2	42	46	12	0	RA BR	0		0.0	0.45	30.03	30.19	1.8	09	3.4	14	06	12	05	15	
16	54	46	50	-1	47	49	15	0	RA BR HZ	0		0.0	0.84	29.83	29.96	3.9	07	5.3	24	08	20	09	16	
17	54	44	49	-3	36	43	16	0	BR	0		0.0	0.00	30.01	30.11	7.5	34	8.4	21	33	17	33	17	
18	45	40	43	-9	36	39	22	0	RA BR	0		0.0	0.76	30.01	30.13	12.4	02	12.7	26	01	23	01	18	
19	53	36	45	-7	32	38	20	0	RA BR	0		0.0	0.97	30.16	30.31	11.8	35	12.1	28	01	21	36	19	
20	51	29	40	-12	27	35	25	0		0		0.0	0.00	30.36	30.46	8.6	11	9.9	24	14	20	13	20	
21	59	42	51	-1	43	47	14	0	RA BR	0		0.0	0.02	30.14	30.27	12.8	10	13.0	23	13	20	11	21	
22	71	49	60	8	55	56	5	0	RA BR HZ	0		0.0	0.10	30.05	30.18	5.8	01	7.6	21	03	18	02	22	
23	49	43	46	-6	44	45	19	0	RA BR	0		0.0	0.53	30.03	30.15	7.4	01	8.3	20	36	17	01	23	
24	48	40	44	-8	37	41	21	0	RA BR HZ	0		0.0	0.37	30.15	30.28	12.1	02	12.8	25	03	22	03	24	
25	45	39	42	-10	36	39	23	0	RA BR	0		0.0	0.09	30.21	30.31	9.4	05	10.0	20	06	17	05	25	
26	64	40	52	0	43	47	13	0	BR	0		0.0	0.00	30.15	30.26	2.7	32	3.9	12	30	9	28	26	
27	62	40	51	-1	42	45	14	0	FG+ BR HZ	0		0.0	0.00	30.19	30.29	2.8	11	4.8	14	12	13	15	27	
28	71	40	56	3	55	57	9	0	FG+ FG BR	0		0.0	0.00	29.87	30.02	8.9	16	9.4	24	16	20	16	28	
29	79*	45	62	9	47	56	3	0	RA	0		0.0	T	29.80	29.90	5.8	29	13.7	35	34	29*	34	29	
30	55	34	45	-8	30	40	20	0		0		0.0	0.00	29.93	30.07	10.7	10	13.2	30	09	25	09	30	
31	65	43	54	1	38	48	11	0	TS TSRA RA DZ FG+ BR	0		0.0	0.45	29.88	29.98	7.8	30	14.2	37*	31	28	31	31	

62.0			42.4			52.2			☼	40.8		47.0		13.1		0.5		< MONTHLY AVERAGES   TOTALS >				0.0		4.62		30.08		30.19		2.4		05		9.3		< MONTHLY AVERAGES			
-0.3			1.2			0.4				<----- DEPARTURE FROM NORMAL ----->																0.94		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3											
<b>DEGREE DAYS</b>										GREATEST 24-HR PRECIPITATION : 1.73 DATE : 18-19										SEA LEVEL PRESSURE				DATE TIME															
MONTHLY					SEASON TO DATE					GREATEST 24-HR SNOWFALL : 0.0 DATE :					MAXIMUM : 30.92				02 1102																				
TOTAL DEPARTURE					TOTAL DEPARTURE					GREATEST SNOW DEPTH : 0 DATE :					MINIMUM : 29.78				29 1353																				
HEATING :		407		-20		834		-187		NUMBER OF -> DAYS WITH		MAXIMUM TEMP >= 90 : 0		MINIMUM TEMP <= 32 : 3		PRECIPITATION >= 0.01 INCH : 12																							
COOLING :		17		2		17		2		THUNDERSTORMS : 1		MAXIMUM TEMP <= 32 : 0		MINIMUM TEMP <= 0 : 0		PRECIPITATION >= 0.10 INCH : 8																							
												HEAVY FOG : 5		SNOWFALL >= 1.0 INCH : 0																									

**JANUARY 2008**  
**HOUSTON, TX**

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

HOUSTON, TX (KIAH)  
JANUARY 2008

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											02	0.00	0.00		
03													03											03	0.00	0.00		
04													04											04	0.00	0.00		
05				T		0.01	0.01	0.01	T				05	T	T									05	0.03	0.03		
06													06											06	0.00	0.00		
07													07						T					07	T	T		
08													08	T	T	T								08	T	T		
09													09										T	09	T	T		
10	T		0.01	T									10											10	0.01	0.01		
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	T		T	0.01	0.03	0.04	0.05	0.06	0.07	0.10	0.07	0.02	15	0.45	0.45
16	0.06	0.15	0.18	0.17	0.10	0.10	0.05	0.03	T	T			16											16	0.84	0.84		
17													17											17	0.00	0.00		
18								T	0.03	0.01	T		18	T	T	0.03	T	0.19	0.06	T	T	0.03	0.05	0.16	0.20	18	0.76	0.76
19	0.19	0.26	0.23	0.15	0.12	0.02							19											19	0.97	0.97		
20													20											20	0.00	0.00		
21													21				T	T	0.01	T		T	T	21	0.02	0.02		
22	0.03	0.02	0.01	T	0.02			0.02	T				22		T						T	T	T	0.01	22	0.10	0.10	
23				0.03	0.02	0.07	0.03	0.02	T	T			23			T	0.01	T	0.12	T	0.01	T	0.02	0.20	23	0.53	0.53	
24	T	T	0.17	0.12	0.01	0.05	T	T	0.02	T			24				T							24	0.37	0.37		
25					0.01	0.02		0.03	0.02	T	T		25			T		T				0.01	T	25	0.09	0.09		
26													26											26	0.00	0.00		
27													27											27	0.00	0.00		
28													28											28	0.00	0.00		
29							T	T	T	T	T		29											29	T	T		
30													30											30	0.00	0.00		
31			T	T	T	T		0.04	0.27	0.14	T		31											31	0.45	0.45		

\* 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)	0.22	0.29	0.31	0.31	0.38	0.41	0.41	0.41	0.43	0.50	0.60	0.70
Ending Date	31	31	31	31	31	31	31	31	19	19	19	19
Ending Time (Hr/Min)	0858	0903	0903	0913	0923	0931	0931	0931	0255	0255	0322	0322

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 1971-2000

## 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 JANUARY 2008

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:

Date	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
	TOTAL MINUTES	PERCENT POSSIBLE	SR-SS		MN-MN		MINIMUM	MAXIMUM	
			Sky Cover	Satellite	Sky Cover	Satellite			
01							10.00	10.00	
02							10.00	10.00	
03							10.00	10.00	
04							4.00	10.00	
05							3.00	10.00	
06							2.00	10.00	
07							8.00	10.00	
08							9.00	10.00	
09							0.25	10.00	
10							0.25	10.00	
11							0.25	10.00	
12							9.00	10.00	
13							10.00	10.00	
14							10.00	10.00	
15							6.00	10.00	
16							2.50	10.00	
17							5.00	10.00	
18							3.00	10.00	
19							5.00	10.00	
20							4.00	10.00	
21							2.00	10.00	
22							0.50	10.00	
23							1.00	7.00	
24							2.00	10.00	
25							1.50	10.00	
26							4.00	10.00	
27							0.25	10.00	
28							0.50	10.00	
29							2.00	10.00	
30							10.00	10.00	
31							0.25	10.00	
MONTHLY AVGS							4.36	9.90	
<b>SUNSHINE (Minutes)</b>									
Total : 0					Possible : 19489				
Percent Possible : 0									
<b>NUMBER OF DAYS WITH :</b>									
SKY CONDITION									
Clear		Partly CLDY			Cloudy			Missing	
<b>MINIMUM VISIBILITY (MILES)</b>									
<= .25			<= 3.0				>= 7.0		
5			16				9		

# OBSERVATIONS AT 3-HOURLY INTERVALS

# HOUSTON, TX JANUARY 2008

## KIAH

## WBAN # 12960

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)					
			Observation Time (LST)	Eff Cld Amt Oktas			DRY BULB	DEW POINT	WET BULB		RELATIVE HUMIDITY (PCT)	STATION				SEA LEVEL	Observation Time (LST)			Eff Cld Amt Oktas	DRY BULB	DEW POINT		WET BULB	RELATIVE HUMIDITY (PCT)	STATION	SEA LEVEL		
<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p><b>SUNRISE: 0717</b>      <b>JAN 01</b>      <b>SUNSET: 1733</b></p> </div> <div style="width: 48%;"> <p><b>SUNRISE: 0718</b>      <b>JAN 07</b>      <b>SUNSET: 1737</b></p> </div> </div>																													
03	SCT	065			10.00		47	21	37	36	13	01	30.35	30.46	03	OVC	060			10.00		70	65	67	84	9	17	29.90	30.01
06	FEW	065			10.00		43	22	35	43	11	36	30.45	30.57	06	OVC	070			10.00		70	66	67	87	10	17	29.90	30.01
09	FEW	250			10.00		45	21	36	39	15	36	30.55	30.67	09	OVC	070			10.00		72	67	69	84	15	17	29.92	30.03
12	FEW	250			10.00		53	16	39	23	14	36	30.54	30.66	12	OVC	250			10.00		77	65	69	67	18	16	29.90	30.01
15	CLR	NC			10.00		56	13	40	18	13	35	30.50	30.61	15	OVC	070			10.00		76	64	68	67	21	16	29.83	29.94
18	CLR	NC			10.00		50	11	37	21	9	35	30.54	30.66	18	OVC	065			10.00		73	65	68	76	20	16	29.83	29.94
21	CLR	NC			10.00		45	16	35	31	9	33	30.63	30.74	21	OVC	070			10.00		73	65	68	76	15	16	29.84	29.95
24	CLR	NC			10.00		40	17	32	39	8	32	30.67	30.79	24	BKN	070			10.00		72	66	68	82	17	17	29.85	29.96
<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p><b>SUNRISE: 0717</b>      <b>JAN 02</b>      <b>SUNSET: 1734</b></p> </div> <div style="width: 48%;"> <p><b>SUNRISE: 0718</b>      <b>JAN 08</b>      <b>SUNSET: 1738</b></p> </div> </div>																													
03	CLR	NC			10.00		36	17	30	46	7	32	30.71	30.82	03	BKN	065			10.00		71	65	67	81	13	17	29.83	29.93
06	CLR	NC			10.00		34	17	28	50	7	34	30.72	30.84	06	OVC	065			10.00		71	65	67	81	14	16	29.83	29.93
09	CLR	NC			10.00		37	16	30	42	14	35	30.79	30.90	09	OVC	050			10.00		72	65	68	79	13	16	29.88	29.99
12	FEW	250			10.00		46	15	35	29	17	35	30.76	30.88	12	OVC	085			10.00		76	66	70	71	7	20	29.89	30.00
15	SCT	250			10.00		49	14	37	25	15	35	30.66	30.78	15	OVC	080		-RA	10.00		61	53	57	75	16	33	29.91	30.02
18	BKN	250			10.00		42	15	33	33	8	34	30.67	30.79	18	OVC	250			10.00		65	35	51	33	16	33	29.96	30.07
21	SCT	250			10.00		37	17	30	44	7	33	30.71	30.82	21	SCT	090			10.00		60	36	49	41	10	34	30.03	30.14
24	CLR	NC			10.00		31	19	27	61	0	00	30.69	30.81	24	BKN	250			10.00		54	35	45	49	9	36	30.06	30.16
<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p><b>SUNRISE: 0718</b>      <b>JAN 03</b>      <b>SUNSET: 1734</b></p> </div> <div style="width: 48%;"> <p><b>SUNRISE: 0718</b>      <b>JAN 09</b>      <b>SUNSET: 1739</b></p> </div> </div>																													
03	FEW	250			10.00		28	19	25	69	5	02	30.67	30.79	03	BKN	250			10.00		52	36	45	55	14	36	30.06	30.17
06	SCT	250			10.00		29	21	26	72	6	05	30.67	30.79	06	FEW	250			10.00		47	36	42	66	6	35	30.05	30.16
09	BKN	250			10.00		33	19	28	56	11	10	30.68	30.80	09	CLR	NC			10.00		50	37	44	61	6	02	30.03	30.14
12	BKN	250			10.00		42	15	33	33	7	10	30.66	30.77	12	CLR	NC			10.00		60	40	50	48	0	00	29.98	30.10
15	BKN	250			10.00		47	24	38	41	11	12	30.53	30.65	15	FEW	250			10.00		67	45	55	45	5	11	29.88	29.98
18	BKN	250			10.00		41	24	35	51	11	13	30.50	30.62	18	BKN	250			10.00		61	49	55	65	9	13	29.84	29.95
21	SCT	250			10.00		35	29	33	79	7	10	30.48	30.61	21	BKN	250			10.00		57	52	54	83	0	00	29.82	29.93
24	SCT	250			10.00		33	29	31	85	6	11	30.43	30.55	24	OVC	002		0.25 -RA FG	10.00		58	57	57	97	5	15	29.79	29.90
<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p><b>SUNRISE: 0718</b>      <b>JAN 04</b>      <b>SUNSET: 1735</b></p> </div> <div style="width: 48%;"> <p><b>SUNRISE: 0718</b>      <b>JAN 10</b>      <b>SUNSET: 1740</b></p> </div> </div>																													
03	OVC	250			10.00		39	34	37	82	7	10	30.37	30.48	03	VV	001		0.25 -RA FG	10.00		60	59	59	97	0	00	29.75	29.85
06	BKN	250			10.00		38	34	36	86	9	10	30.32	30.43	06	VV	001		0.25 FG	10.00		62	61	61	97	3	27	29.75	29.86
09	OVC	250			10.00		45	39	42	80	9	11	30.35	30.47	09	OVC	015		2.00 BR	10.00		64	62	63	93	9	27	29.82	29.92
12	OVC	060			10.00		56	46	51	69	16	13	30.30	30.42	12	OVC	250			10.00		69	49	58	49	15	31	29.80	29.91
15	OVC	250			10.00		63	53	57	70	18	13	30.21	30.32	15	SCT	250			10.00		72	32	53	23	18	30	29.76	29.86
18	OVC	250			10.00		58	53	55	84	14	13	30.19	30.30	18	FEW	060			10.00		62	32	48	32	8	31	29.80	29.91
21	OVC	005			6.00	BR	59	56	57	90	8	13	30.16	30.28	21	CLR	NC			10.00		55	33	45	43	7	34	29.88	29.99
24	OVC	060			4.00	BR	58	56	57	93	7	14	30.13	30.24	24	CLR	NC			10.00		46	35	41	66	0	00	29.90	30.01
<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p><b>SUNRISE: 0718</b>      <b>JAN 05</b>      <b>SUNSET: 1736</b></p> </div> <div style="width: 48%;"> <p><b>SUNRISE: 0718</b>      <b>JAN 11</b>      <b>SUNSET: 1741</b></p> </div> </div>																													
03	BKN	060			4.00	BR	56	54	55	93	0	00	30.09	30.20	03	CLR	NC			10.00		41	36	39	82	0	00	29.88	29.99
06	BKN	048			3.00	BR	58	56	57	93	3	14	30.06	30.16	06	CLR	NC			10.00		40	34	37	79	0	00	29.87	29.98
09	SCT	250			7.00		63	61	62	93	6	17	30.06	30.17	09	FEW	250			10.00		48	36	43	63	0	00	29.92	30.03
12	BKN	023			10.00		74	62	67	66	13	20	30.03	30.15	12	FEW	045			10.00		60	27	46	28	7	14	29.91	30.02
15	OVC	060			10.00		74	61	66	64	13	19	29.95	30.06	15	FEW	250			10.00		64	24	47	22	7	VR	29.81	29.92
18	OVC	060			10.00		71	62	65	73	8	17	29.96	30.07	18	FEW	250			10.00		55	32	45	42	5	15	29.80	29.91
21	BKN	060			10.00		67	63	65	87	9	17	29.98	30.09	21	CLR	NC			10.00		49	36	43	61	0	00	29.82	29.93
24	CLR	NC			9.00		65	62	63	90	9	17	29.98	30.09	24	SCT	250			10.00		43	37	40	79	0	00	29.83	29.93
<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p><b>SUNRISE: 0718</b>      <b>JAN 06</b>      <b>SUNSET: 1737</b></p> </div> <div style="width: 48%;"> <p><b>SUNRISE: 0718</b>      <b>JAN 12</b>      <b>SUNSET: 1741</b></p> </div> </div>																													
03	BKN	013			6.00	BR	66	64	65	93	5	18	29.97	30.08	03	SCT	250			10.00		42	39	41	89	0	00	29.81	29.92
06	BKN	014			9.00		67	64	65	90	8	17	29.95	30.06	06	SCT	250			9.00		43	41	42	93	0	00	29.83	29.94
09	OVC	008			6.00	BR	67	64	65	90	10	16	29.98	30.09	09	CLR	NC			10.00		51	46	49	83	6	12	29.86	29.97
12	BKN	030			10.00		76	62	67	62	13	19	29.98	30.08	12	CLR	NC			10.00		66	47	56	51	8	16	29.83	29.94
15	SCT	250			10.00		79	57	66	47	15	17	29.90	30.01	15	SCT	055			10.00		71	46	57	41	11	23	29.78	29.89
18	BKN	250			9.00		72	62	66	71	13	16	29.90	30.00	18	BKN	110			10.00		63	53	57	70	0	00	29.78	29.89
21	SCT	015			10.00		66	63	64	90	10	16	29.92	30.03	21	CLR	NC			10.00		55	33	45	43	17	33	29.91	30.02
24	OVC	060			10.00		69	65	66	87	15	16	29.91	30.02	24	CLR	NC			10.00		50	36	44	59	8	33	29.96	30.06



# OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX  
JANUARY 2008

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 Cl'd Amt Oktas			DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
<b>SUNRISE: 0715      JAN 25      SUNSET: 1752</b>														
03	OVC	034			10.00		44	32	39	63	10	09	30.19	30.31
06	OVC	080			10.00		41	36	39	82	7	05	30.24	30.35
09	OVC	028			2.50	-RA BR	39	36	38	89	13	06	30.24	30.36
12	OVC	014			8.00		40	37	39	89	14	05	30.21	30.32
15	OVC	008			10.00		40	37	39	89	13	04	30.18	30.29
18	OVC	007			10.00		39	37	38	93	10	03	30.19	30.31
21	OVC	019			10.00		39	37	38	93	7	04	30.18	30.29
24	OVC	005			5.00	BR	41	39	40	93	6	35	30.16	30.28
<b>SUNRISE: 0715      JAN 26      SUNSET: 1753</b>														
03	OVC	005			10.00		41	39	40	93	7	32	30.14	30.25
06	OVC	005			4.00	BR	42	40	41	93	3	32	30.14	30.26
09	OVC	020			10.00		45	41	43	86	5	32	30.19	30.30
12	SCT	250			10.00		53	46	49	77	5	26	30.18	30.29
15	SCT	250			10.00		62	46	54	56	6	30	30.10	30.21
18	BKN	250			10.00		56	49	52	78	0	00	30.11	30.23
21	BKN	250			10.00		53	47	50	80	0	00	30.16	30.27
24	SCT	250			8.00		46	43	45	89	5	01	30.18	30.29
<b>SUNRISE: 0714      JAN 27      SUNSET: 1754</b>														
03	SCT	250			4.00	BR	44	42	43	93	0	00	30.19	30.30
06	OVC	003			3.00	BR	43	42	43	96	6	04	30.21	30.32
09	OVC	002			0.50	BR	43	42	43	96	3	VR	30.26	30.37
12	SCT	250			6.00	HZ	52	42	47	69	5	06	30.22	30.34
15	BKN	250			9.00		61	40	51	46	6	13	30.14	30.25
18	BKN	250			6.00	HZ	53	45	49	74	9	15	30.13	30.24
21	OVC	250			5.00	BR	46	43	45	89	8	16	30.14	30.26
24	OVC	250			3.00	BR	42	40	41	93	0	00	30.11	30.22
<b>SUNRISE: 0714      JAN 28      SUNSET: 1755</b>														
03	VV	001			0.50	FG	46	45	46	96	7	14	30.06	30.17
06	OVC	017			4.00	BR	49	47	48	93	5	10	30.01	30.12
09	BKN	250			6.00	BR	54	51	52	90	6	12	29.98	30.09
12	OVC	250			10.00		68	58	62	71	13	17	29.93	30.04
15	OVC	250			10.00		70	58	63	66	16	17	29.81	29.92
18	OVC	033			10.00		70	60	64	71	11	16	29.80	29.91
21	OVC	025			10.00		67	62	64	84	10	17	29.81	29.92
24	OVC	029			10.00		67	63	65	87	9	18	29.77	29.87
<b>SUNRISE: 0713      JAN 29      SUNSET: 1756</b>														
03	OVC	025			10.00		68	63	65	84	10	18	29.70	29.81
06	OVC	021			10.00		69	64	66	84	8	20	29.68	29.78
09	OVC	024			10.00		71	65	67	81	14	21	29.68	29.79
12	OVC	050			10.00		71	64	67	79	9	25	29.71	29.82
15	BKN	250			10.00		76	40	57	27	22	31	29.70	29.80
18	BKN	250			10.00		66	27	48	23	15	32	29.83	29.94
21	BKN	250			10.00		53	20	40	27	15	35	29.98	30.10
24	CLR	NC			10.00		46	19	36	34	16	01	30.03	30.14
<b>SUNRISE: 0713      JAN 30      SUNSET: 1757</b>														
03	CLR	NC			10.00		41	20	33	43	15	03	30.02	30.13
06	CLR	NC			10.00		34	24	30	67	9	08	30.06	30.17
09	FEW	250			10.00		42	21	34	43	14	10	30.08	30.19
12	SCT	250			10.00		53	22	41	30	20	10	30.02	30.13
15	BKN	250			10.00		54	32	44	43	17	15	29.93	30.04
18	OVC	100			10.00		50	36	44	59	13	12	29.88	29.99
21	OVC	019			10.00		49	38	44	66	11	09	29.86	29.97
24	OVC	017			10.00		51	43	47	74	8	08	29.82	29.93

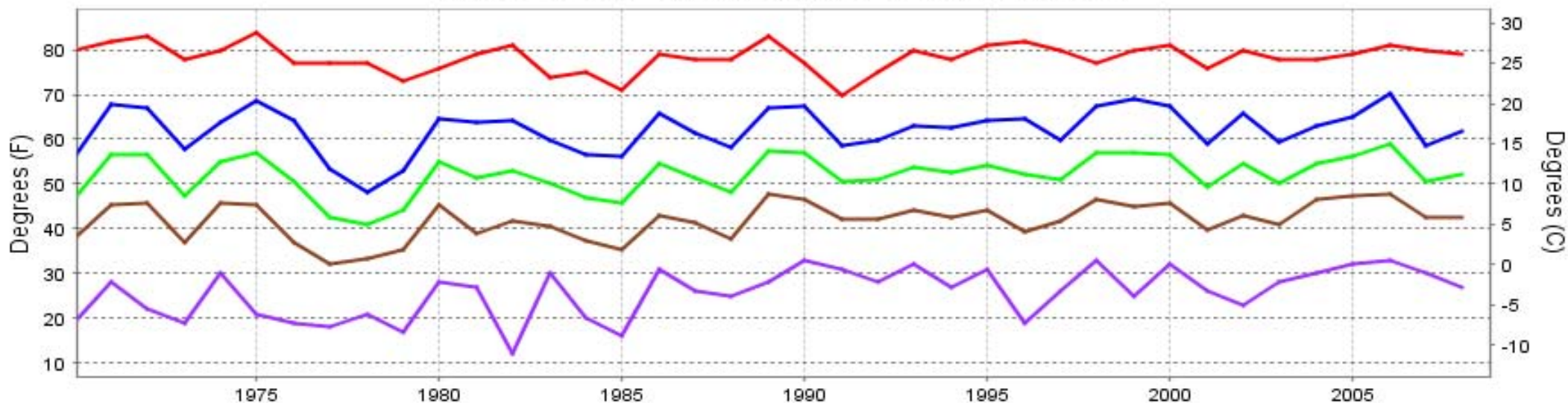
HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			WIND		PRESSURE (INCHES, HG)		
			Observation Time (LST)	Eff Cl'd Amt Oktas			DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
<b>SUNRISE: 0712      JAN 31      SUNSET: 1758</b>														
03	OVC	004			4.00	-DZ BR	55	53	54	93	10	11	29.73	29.84
06	OVC	001			0.25	BR	58	57	57	97	9	14	29.70	29.81
09	OVC	007			0.25	+RA FG	62	60	61	93	22	31	29.77	29.88
12	OVC	080			10.00		60	45	52	58	22	31	29.82	29.93
15	CLR	NC			10.00		63	21	45	20	23	30	29.82	29.93
18	CLR	NC			7.00		56	22	42	27	14	30	29.92	30.03
21	CLR	NC			10.00		48	27	39	44	15	31	30.08	30.19
24	CLR	NC			10.00		43	26	36	51	9	31	30.14	30.25

**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			48	40	45	76	30.09	30.21	8.04	7	3	04
02			48	41	45	78	30.08	30.19	7.77	7	3	04
03			48	41	45	79	30.08	30.19	7.70	7	3	03
04			48	41	45	79	30.07	30.19	7.47	7	3	04
05			47	42	45	82	30.07	30.19	7.77	8	3	05
06			47	42	45	83	30.08	30.19	7.82	8	3	05
07			47	41	44	82	30.09	30.20	8.22	8	4	05
08			47	42	45	83	30.10	30.22	7.07	8	4	06
09			50	43	47	78	30.12	30.23	7.51	10	3	05
10			53	42	48	71	30.13	30.25	8.16	11	4	05
11			55	42	49	63	30.13	30.24	8.77	11	4	06
12			57	41	50	59	30.10	30.22	9.10	11	3	05
13			59	41	51	54	30.07	30.18	9.23	11	3	04
14			60	40	51	52	30.05	30.16	9.42	12	3	03
15			60	39	50	52	30.04	30.15	9.40	12	2	01
16			59	39	50	53	30.04	30.15	8.98	11	2	04
17			58	40	50	57	30.04	30.15	8.65	11	3	04
18			55	40	48	62	30.05	30.16	8.53	10	3	04
19			54	40	48	65	30.07	30.18	8.40	11	3	05
20			52	40	47	68	30.08	30.19	8.79	10	3	04
21			51	40	46	70	30.09	30.20	8.82	8	3	03
22			50	40	46	71	30.10	30.21	8.50	9	3	05
23			49	41	46	74	30.10	30.21	8.21	8	3	04
24			49	40	45	75	30.09	30.20	8.23	8	3	05

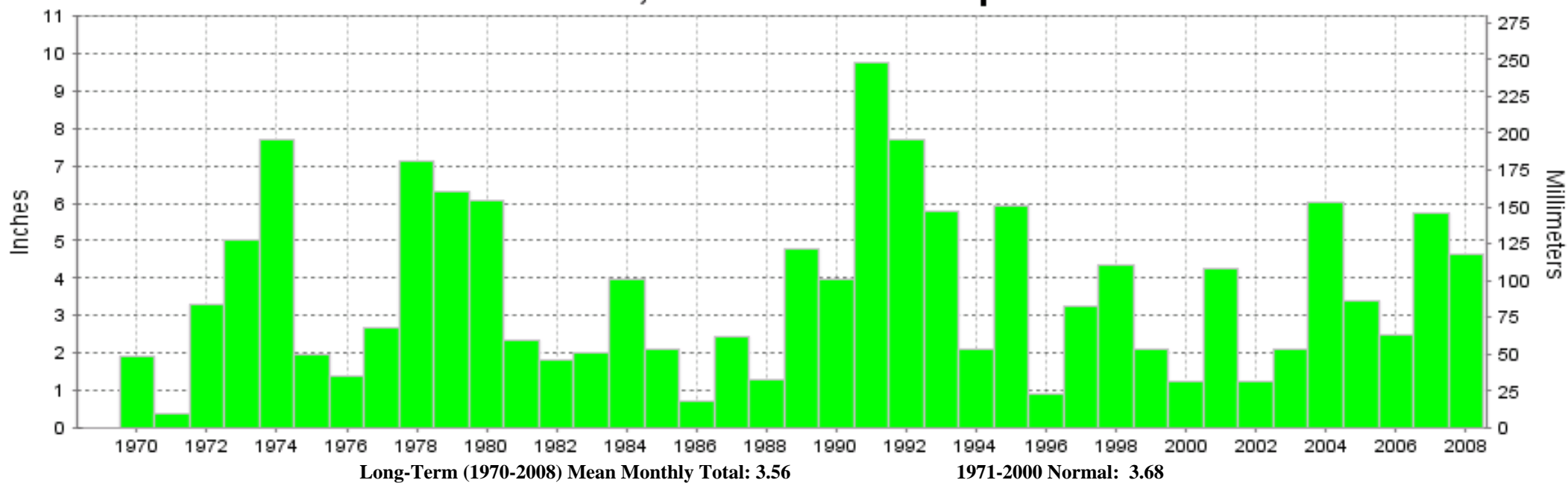
## HOUSTON, TX JANUARY Temperatures



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

Long-Term (1970-2008) Mean: 52.0  
1971-2000 Normal: 51.8

## HOUSTON, TX JANUARY Precipitation



Long-Term (1970-2008) Mean Monthly Total: 3.56

1971-2000 Normal: 3.68



**JANUARY 2008  
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.*

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