



# DECEMBER 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



DECEMBER 2008  
HOUSTON, TX

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		0600 LST	1200 LST	2400 LST	2400 LST	AVERAGE STATION	AVERAGE SEA LEVEL	RESULTANT SPEED	RES DIR	AVERAGE SPEED	MAXIMUM						
																			3-SEC		2-MIN				
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	59	36	48	-9	29	41	17	0		0		0.0	0.00	30.06	30.16	9.6	31	9.8	37*	31	26	31	01		
02	69	34	52	-4	41	48	13	0		0		0.0	0.00	30.05	30.18	8.0	16	8.1	22	16	18	17	02		
03	79	54	67	11	60	63	0	2	TS TSRA RA BR	0		0.0	0.17	29.88	30.00	8.8	18	12.2	35	29	23	32	03		
04	57	43	50	-6	35	43	15	0		0		0.0	0.00	30.19	30.27	12.8	36	13.5	30	01	22	36	04		
05	54	36	45	-11	28	38	20	0		0		0.0	0.00	30.22	30.33	5.8	02	6.5	20	04	17	04	05		
06	64	36	50	-5	33	42	15	0		0		0.0	0.00	30.09	30.21	1.7	33	2.5	17	33	10	31	06		
07	65	38	52	-3	38	45	13	0		0		0.0	0.00	30.10	30.23	5.3	13	5.6	20	13	16	14	07		
08	72	45	59	4	57	59	6	0	RA	0		0.0	T	29.77	29.93	11.5	15	11.9	28	16	23	16	08		
09	78	43	61	6	59	61	4	0	TS TSRA RA BR	0		0.0	0.30	29.69	29.78	3.7	25	12.4	32	35	29	35	09		
10	43	32	38	-17	33	35	27	0	RA SN BR	0		1.4	0.31	30.02	30.12	12.5	32	12.7	30	33	24	34	10		
11	56	33	45	-9	26	36	20	0	RA	0		0.0	T	30.01	30.12	10.6	31	10.8	26	33	22	34	11		
12	64	32	48	-6	29	40	17	0		0		0.0	0.00	30.18	30.28	2.0	15	3.5	15	8		16	12		
13	72	38	55	1	52	55	10	0	RA	0		0.0	0.01	29.88	30.03	10.2	15	10.8	35	15	29	15	13		
14	75	62	69	15	62	65	0	4	RA	0		0.0	T	29.78	29.89	11.1	16	11.3	29	15	22	17	14		
15	64	39	52	-2	46	48	13	0	RA BR HZ	0		0.0	0.04	30.08	30.16	9.8	35	11.5	25	01	22	36	15		
16	44	37	41	-12	41	42	24	0	RA FG+ BR	0		0.0	0.01	30.06	30.17	4.9	36	6.4	21	36	17	36	16		
17	64	44	54	1	52	53	11	0	RA FG BR HZ	0		0.0	0.03	30.03	30.16	4.4	05	5.6	12	10	10	09	17		
18	75	59	67	14	65	65	0	2	RA FG+ BR	0		0.0	0.03	29.99	30.12	8.9	15	9.8	25	16	21	16	18		
19	80*	69	75*	22	67	69	0	10	RA BR HZ	0		0.0	T	29.95	30.08	6.1	20	6.5	18	18	13	19	19		
20	77	64	71	18	64	66	0	6	BR	0		0.0	0.00	29.85	29.97	5.3	23	6.9	22	21	16	34	20		
21	64	42	53	0	26	41	12	0		0		0.0	0.00	30.21	30.28	16.7	01	17.3	35	05	29*	02	21		
22	42	31*	37*	-16	19	31	28	0	RA FZRA	0		0.0	T	30.26	30.40	9.6	04	12.2	25	36	22	36	22		
23	74	40	57	4	52	54	8	0	RA DZ BR	0		0.0	0.18	29.85	30.01	5.3	14	8.9	33	21	23	20	23		
24	72	59	66	14	61	63	0	1	RA BR	0		0.0	0.11	29.98	30.07	0.7	06	6.9	20	28	15	32	24		
25	74	60	67	15	63	65	0	2	BR HZ	0		0.0	0.00	29.98	30.10	5.4	12	7.4	23	16	18	16	25		
26	77	70	74	22	68	70	0	9	RA BR	0		0.0	0.02	29.85	29.98	13.7	16	13.9	30	16	24	16	26		
27	78	56	67	15	57	63	0	2	RA BR	0		0.0	0.08	29.89	29.98	5.2	17	12.0	31	33	26	33	27		
28	57	43	50	-2	38	44	15	0	TS TSRA RA	0		0.0	0.39	30.16	30.25	7.6	36	8.1	22	01	18	36	28		
29	66	41	54	2	35	44	11	0		0		0.0	0.00	30.19	30.32	1.5	01	2.6	12	36	9	04	29		
30	70	37	54	2	44	49	11	0		0		0.0	0.00	30.02	30.15	1.3	18	2.3	12	22	9	16	30		
31	66	45	56	4	41	49	9	0	FG BR	0		0.0	0.00	30.08	30.20	7.8	03	8.2	26	05	21	04	31		
										<b>&lt; MONTHLY AVERAGES   TOTALS &gt;</b>				1.4	1.68	30.01	30.13	0.8	08	9.0	<b>&lt; MONTHLY AVERAGES</b>				
										<b>&lt;-----DEPARTURE FROM NORMAL -----&gt;</b>				-2.01		<b>SUNSHINE, CLOUD, &amp; VISIBILITY TABLES ON PAGE 3</b>									
<b>DEGREE DAYS</b>										<b>GREATEST 24-HR PRECIPITATION :</b> 0.50 <b>DATE :</b> 09-10				<b>SEA LEVEL PRESSURE</b>				<b>DATE TIME</b>							
<b>MONTHLY</b>										<b>GREATEST 24-HR SNOWFALL :</b> 1.4 <b>DATE :</b> 10				<b>MAXIMUM :</b> 30.53				<b>22 0923</b>							
<b>SEASON TO DATE</b>										<b>GREATEST SNOW DEPTH :</b> 0 <b>DATE :</b>				<b>MINIMUM :</b> 29.62				<b>09 1553</b>							
<b>TOTAL DEPARTURE</b>										<b>NUMBER OF -&gt; DAYS WITH</b>				<b>MAXIMUM TEMP &gt;= 90 :</b> 0				<b>MINIMUM TEMP &lt;= 32 :</b> 3				<b>PRECIPITATION &gt;= 0.01 INCH :</b> 13			
<b>HEATING :</b> 319 -48 476 -118														<b>MAXIMUM TEMP &lt;= 32 :</b> 0				<b>MINIMUM TEMP &lt;= 0 :</b> 0				<b>PRECIPITATION &gt;= 0.10 INCH :</b> 6			
<b>COOLING :</b> 38 13 3203 310														<b>THUNDERSTORMS :</b> 3				<b>HEAVY FOG :</b> 2				<b>SNOWFALL &gt;= 1.0 INCH :</b> 1			

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

HOUSTON, TX (KIAH)  
DECEMBER 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												T	03		T	T	T	T							03	0.17	0.17	
04													04								0.17				04	0.00	0.00	
05													05												05	0.00	0.00	
06													06												06	0.00	0.00	
07													07												07	0.00	0.00	
08													08											T	08	T	T	
09	0.01												09	0.01	0.22	T			T	T	0.03				09	0.30	0.30	
10				T	0.05	0.05	0.03	0.07	0.03	0.01	0.01		10	T		T	0.01	0.02	T	T	0.03	0.01			10	0.31	0.31	
11	T	T	T										11												11	T	T	
12													12												12	0.00	0.00	
13													13						T	0.01					13	0.01	0.01	
14													14	T	T	T									14	T	T	
15													15	T											15	0.04	0.04	
16	T			T									16												16	0.01	0.01	
17	0.03												17											0.01	17	0.03	0.03	
18		T	0.01	0.01	T								18		0.01										18	0.03	0.03	
19								T					19		T										19	T	T	
20													20												20	0.00	0.00	
21													21												21	0.00	0.00	
22			T	T	T								22												22	T	T	
23				T		0.01	0.01	T	0.04	0.08			23										0.03	0.01	23	0.18	0.18	
24	T	T	T					T	T	0.11	T	T	24		T	T	T								24	0.11	0.11	
25													25												25	0.00	0.00	
26		T	0.01					T	T	T	T	0.01	26	T			T	T							26	0.02	0.02	
27													27	T											27	0.08	0.08	
28													28	0.10		0.01	0.07	T							28	0.39	0.39	
29								T					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	0.12	0.15	0.15	0.15	0.23	0.23	0.27	0.30	0.38	0.39	0.39
Ending Date	28	28	28	28	28	28	28	28	28	28	28	28
Ending Time (Hr/Min)	1136	1136	1032	1032	1032	1206	1206	1136	1205	1206	1231	1231

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.



# OBSERVATIONS AT 3-HOURLY INTERVALS

# HOUSTON, TX

DECEMBER 2008

KIAH

WBAN # 12960

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)																																																																																																																																																																																																										
			Observation Time (LST)	Eff Cl'd Amt Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT		WET BULB	RELATIVE HUMIDITY (PCT)				STATION	SEA LEVEL		Observation Time (LST)	Eff Cl'd Amt Oktas	VISIBILITY (MILES)		DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	STATION	SEA LEVEL																																																																																																																																																																																																					
																												Observation Time (LST)	Eff Cl'd Amt Oktas	Observation Time (LST)	Eff Cl'd Amt Oktas																																																																																																																																																																																																	
<b>SUNRISE: 0660</b>						<b>DEC 01</b>						<b>SUNSET: 1721</b>						<b>SUNRISE: 0704</b>						<b>DEC 07</b>						<b>SUNSET: 1722</b>																																																																																																																																																																																																		
03	BKN	250			10.00	50	37	44	61	7	24	29.88	29.99	03	CLR	NC			7.00	44	36	41	74	0	00	30.14	30.27	06	CLR	NC			8.00	41	35	38	79	0	00	30.16	30.27	09	CLR	NC			10.00	50	39	45	66	7	10	30.19	30.30	12	CLR	NC			10.00	57	25	44	29	17	31	30.05	30.16	15	FEW	250			10.00	58	22	43	25	22	32	30.05	30.16	18	CLR	NC			10.00	51	24	40	35	8	34	30.11	30.23	21	CLR	NC			10.00	41	32	37	70	0	00	30.18	30.29	24	CLR	NC			10.00	37	33	35	86	0	00	30.19	30.31	06	CLR	NC			10.00	46	44	45	93	3	13	30.03	30.14																																																																																					
<b>SUNRISE: 0700</b>						<b>DEC 02</b>						<b>SUNRISE: 0705</b>						<b>DEC 08</b>						<b>SUNSET: 1722</b>																																																																																																																																																																																																								
03	CLR	NC			10.00	36	30	34	79	0	00	30.18	30.29	03	SCT	250			9.00	48	46	47	93	3	10	29.97	30.08	06	CLR	NC			10.00	39	31	36	73	0	00	30.16	30.27	09	CLR	NC			10.00	50	35	43	57	6	15	30.16	30.28	12	CLR	NC			10.00	64	35	50	34	11	15	30.13	30.24	15	CLR	NC			10.00	68	42	55	39	15	17	30.03	30.14	18	BKN	250			10.00	64	48	55	56	10	17	30.00	30.11	21	BKN	250			10.00	64	53	58	68	13	16	29.97	30.08	24	BKN	047			10.00	65	57	60	75	11	17	29.94	30.05	06	BKN	042			10.00	54	52	53	93	6	12	29.91	30.02	09	BKN	250			10.00	58	56	57	93	7	13	29.90	30.01	12	OVC	060			10.00	70	58	63	66	14	16	29.85	29.96	15	OVC	070			10.00	71	60	64	68	18	16	29.74	29.85	18	OVC	065			10.00	70	62	65	76	17	16	29.69	29.80	21	OVC	032			10.00	70	63	66	79	20	15	29.69	29.79	24	OVC	022			10.00	72	67	69	84	13	18	29.67	29.78	
<b>SUNRISE: 0701</b>						<b>DEC 03</b>						<b>SUNRISE: 0706</b>						<b>DEC 09</b>						<b>SUNSET: 1722</b>																																																																																																																																																																																																								
03	BKN	048			10.00	67	60	63	78	11	16	29.89	29.99	03	OVC	027			10.00	72	68	69	87	14	17	29.62	29.72	06	BKN	050			10.00	68	61	64	78	14	17	29.87	29.98	09	BKN	060			10.00	70	62	65	76	10	17	29.90	30.01	12	BKN	250			10.00	77	65	69	67	16	17	29.85	29.96	15	BKN	250			10.00	78	64	69	62	14	19	29.80	29.91	18	BKN	250			10.00	72	66	68	82	8	18	29.82	29.93	21	BKN	250			10.00	72	64	67	76	9	22	29.87	29.98	24	BKN	060			10.00	54	40	47	59	15	33	30.01	30.11	06	OVC	055			10.00	71	67	68	87	6	24	29.63	29.73	09	BKN	250			10.00	72	67	69	84	9	17	29.64	29.75	12	OVC	060			10.00	77	68	71	74	11	19	29.58	29.69	15	BKN	250			10.00	77	70	72	79	11	21	29.51	29.62	18	OVC	044			10.00	62	54	58	75	15	33	29.67	29.78	21	OVC	070			10.00	50	43	47	77	16	34	29.83	29.93	24	OVC	075			10.00	43	34	39	71	15	32	29.91	30.02	
<b>SUNRISE: 0702</b>						<b>DEC 04</b>						<b>SUNRISE: 0706</b>						<b>DEC 10</b>						<b>SUNSET: 1722</b>																																																																																																																																																																																																								
03	BKN	250			10.00	49	36	43	61	14	34	30.03	30.14	03	OVC	075			10.00	39	31	36	73	13	34	29.93	30.04	06	OVC	250			10.00	44	32	39	63	11	33	30.11	30.22	09	OVC	023			10.00	45	35	41	68	21	36	30.19	30.29	12	OVC	025			10.00	50	37	44	61	14	36	30.19	30.30	15	SCT	250			10.00	57	38	48	49	10	35	30.14	30.27	18	SCT	250			10.00	52	32	43	47	8	35	30.19	30.31	21	BKN	250			10.00	49	27	40	43	13	04	30.27	30.38	24	CLR	NC			10.00	43	26	36	51	9	01	30.27	30.39	06	OVC	045			10.00	36	33	35	89	13	34	30.02	30.13	09	OVC	020			10.00	36	32	34	85	11	33	30.06	30.17	12	OVC	024			10.00	36	30	34	79	17	34	30.05	30.16	15	OVC	020			10.00	35	30	33	82	13	31	30.03	30.14	18	OVC	030			10.00	33	30	32	89	13	32	30.03	30.15	21	OVC	049			10.00	32	30	31	92	8	32	30.05	30.16	24	OVC	042			10.00	35	31	33	85	11	31	30.00	30.11	
<b>SUNRISE: 0703</b>						<b>DEC 05</b>						<b>SUNRISE: 0707</b>						<b>DEC 11</b>						<b>SUNSET: 1722</b>																																																																																																																																																																																																								
03	SCT	250			10.00	40	25	34	55	11	04	30.27	30.38	03	OVC	050			10.00	36	30	34	79	11	31	29.98	30.09	06	BKN	250			10.00	37	25	33	62	7	36	30.30	30.42	09	OVC	037			10.00	40	25	34	55	9	03	30.34	30.45	12	BKN	035			10.00	45	24	37	44	9	02	30.29	30.41	15	BKN	250			10.00	51	24	40	35	0	00	30.19	30.30	18	BKN	250			10.00	48	30	40	50	7	03	30.14	30.26	21	BKN	250			10.00	44	33	39	65	0	00	30.14	30.25	24	BKN	250			10.00	46	32	40	58	3	34	30.14	30.26	06	FEW	100			10.00	33	26	30	75	16	31	29.97	30.09	09	FEW	250			10.00	37	25	33	62	15	30	30.01	30.12	12	FEW	250			10.00	49	23	39	36	15	32	29.98	30.10	15	CLR	NC			10.00	55	21	41	27	14	33	29.97	30.08	18	CLR	NC			10.00	49	23	39	36	5	30	30.01	30.12	21	CLR	NC			10.00	43	27	37	53	3	29	30.06	30.18	24	CLR	NC			10.00	38	29	34	70	3	30	30.13	30.24	
<b>SUNRISE: 0703</b>						<b>DEC 06</b>						<b>SUNRISE: 0708</b>						<b>DEC 12</b>						<b>SUNSET: 1723</b>																																																																																																																																																																																																								
03	SCT	035			10.00	43	35	40	73	3	35	30.09	30.20	03	CLR	NC			10.00	37	28	34	70	0	00	30.14	30.26	06	CLR	NC			10.00	39	34	37	82	0	00	30.08	30.19	09	FEW	250			10.00	45	35	41	68	0	00	30.11	30.22	12	FEW	250			10.00	58	27	45	31	5	28	30.08	30.19	15	FEW	250			10.00	63	28	47	27	3	VR	30.03	30.14	18	FEW	250			10.00	55	33	45	43	5	36	30.08	30.19	21	CLR	NC			10.00	46	39	43	77	0	00	30.11	30.23	24	CLR	NC			10.00	41	37	39	86	0	00	30.14	30.26	06	FEW	040			10.00	33	29	31	85	0	00	30.18	30.29	09	CLR	NC			10.00	44	32	39	63	3	36	30.24	30.36	12	FEW	250			10.00	58	29	45	33	3	VR	30.24	30.35	15	SCT	250			10.00	63	25	47	24	5	19	30.16	30.27	18	FEW	250			10.00	53	32	44	45	8	13	30.14	30.25	21	CLR	NC			10.00	48	32	41	54	6	17	30.16	30.27	24	CLR	NC			10.00									

# OBSERVATIONS AT 3-HOURLY INTERVALS

# HOUSTON, TX

## DECEMBER 2008

## KIAH

## WBAN # 12960

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			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	RELATIVE HUMIDITY (PCT)				STATION	SEA LEVEL		Observation Time (LST)	Eff Cld Amt Oktas	VISIBILITY (MILES)		DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	STATION	SEA LEVEL								
																												WEATHER	WEATHER						
<b>SUNRISE: 0708</b>						<b>DEC 13</b>						<b>SUNSET: 1723</b>						<b>SUNRISE: 0712</b>						<b>DEC 19</b>						<b>SUNSET: 1725</b>					
03	FEW	250			10.00		39	37	38	93	0	00	30.05	30.16	03	OVC	050			10.00		70	67	68	90	6	18	29.98	30.08						
06	SCT	250			10.00		49	45	47	86	9	12	30.00	30.11	06	OVC	006			8.00		70	68	69	93	0	00	29.98	30.09						
09	OVC	070			10.00		58	51	54	78	10	14	29.98	30.10	09	BKN	025			3.00	BR	70	68	69	93	5	18	30.02	30.13						
12	BKN	250			10.00		67	55	60	66	14	12	29.92		12	OVC	070			10.00		76	68	71	76	8	21	29.98	30.10						
15	BKN	250			10.00		69	56	61	63	24	15	29.83	29.94	15	BKN	070			10.00		78	67	71	69	7	21	29.92	30.03						
18	OVC	070			10.00	-RA	68	59	63	73	13	16	29.81	29.92	18	OVC	065			10.00		76	67	70	74	3	21	29.93	30.03						
21	OVC	250			10.00		65	60	62	84	10	16	29.81	29.91	21	OVC	250			10.00		72	67	69	84	8	18	29.95	30.06						
24	BKN	250			10.00		65	61	63	87	7	16	29.79	29.90	24	OVC	008			9.00		69	67	68	93	8	19	29.93	30.04						
<b>SUNRISE: 0709</b>						<b>DEC 14</b>						<b>SUNRISE: 0712</b>						<b>DEC 20</b>						<b>SUNSET: 1726</b>											
03	FEW	250			10.00		63	60	61	90	10	15	29.75	29.85	03	OVC	010			10.00		69	67	68	93	7	22	29.90	30.01						
06	BKN	250			10.00		65	60	62	84	10	14	29.75	29.86	06	OVC	012			10.00		69	66	67	90	8	21	29.87	29.98						
09	BKN	150			9.00		67	62	64	84	9	14	29.79	29.90	09	BKN	250			9.00		70	65	67	84	9	22	29.89	29.99						
12	OVC	055			10.00		75	62	67	64	17	16	29.77	29.88	12	OVC	032			10.00		74	65	68	74	8	23	29.87	29.98						
15	OVC	060			10.00		74	64	68	71	16	17	29.73	29.84	15	OVC	055			10.00		75	65	69	71	6	26	29.80	29.91						
18	BKN	250			10.00		72	63	66	73	14	17	29.75	29.86	18	BKN	060			9.00		73	64	67	74	0	00	29.81	29.92						
21	BKN	050			10.00		70	63	66	79	7	17	29.83	29.94	21	BKN	250			6.00	BR	65	63	64	93	3	25	29.84	29.95						
24	BKN	043			8.00		63	62	62	97	5	15	29.86	29.96	24	BKN	250			10.00		64	43	53	47	9	35	29.90	30.00						
<b>SUNRISE: 0710</b>						<b>DEC 15</b>						<b>SUNRISE: 0713</b>						<b>DEC 21</b>						<b>SUNSET: 1726</b>											
03	BKN	250			6.00	BR	62	61	61	97	5	15	29.87	29.98	03	OVC	032			10.00		59	39	49	48	13	34	29.94	30.04						
06	OVC	047			4.00	BR	64	63	63	97	9	35	29.95	30.06	06	OVC	042			10.00		51	35	44	54	17	35	30.03	30.14						
09	OVC	025			0.50	BR	49	47	48	93	14	32	30.06	30.17	09	OVC	050			10.00		46	28	39	50	20	03	30.14	30.27						
12	OVC	020			2.00	HZ	43	38	41	83	16	34	30.11	30.22	12	OVC	250			10.00		52	23	40	32	25	02	30.19	30.30						
15	OVC	014			10.00		46	39	43	77	13	34	30.09	30.21	15	OVC	060			10.00		49	22	39	35	16	02	30.21	30.32						
18	OVC	014			10.00		43	37	40	79	18	36	30.13	30.24	18	OVC	070			10.00		48	18	37	30	15	03	30.27	30.39						
21	OVC	010			10.00		41	36	39	82	15	35	30.16	30.28	21	OVC	110			10.00		46	16	35	30	21	03	30.32	30.44						
24	OVC	008			8.00		40	36	38	86	15	36	30.16	30.28	24	OVC	080			10.00		42	15	33	33	15	02	30.35	30.47						
<b>SUNRISE: 0710</b>						<b>DEC 16</b>						<b>SUNRISE: 0713</b>						<b>DEC 22</b>						<b>SUNSET: 1727</b>											
03	OVC	004			5.00	BR	39	37	38	93	13	35	30.13	30.24	03	OVC	080			10.00	-RA	37	17	30	44	18	36	30.37	30.48						
06	OVC	003			0.50	BR	38	37	38	96	8	35	30.11	30.22	06	OVC	070			10.00		34	18	29	52	18	01	30.38	30.50						
09	OVC	003			0.25	BR	39	38	39	96	6	34	30.11	30.23	09	OVC	065			10.00		32	15	27	49	14	02	30.42	30.53						
12	OVC	003			0.25	BR	42	40	41	93	0	00	30.08	30.19	12	OVC	060			10.00		35	15	29	44	9	05	30.37	30.48						
15	OVC	003			0.25	BR	43	42	43	96	6	36	30.02	30.13	15	BKN	060			10.00		38	18	31	44	10	05	30.26	30.37						
18	OVC	001			0.25	BR	43	42	43	96	5	32	30.03	30.14	18	BKN	250			10.00		38	18	31	44	10	10	30.22	30.34						
21	OVC	003			0.25	BR	44	43	44	96	5	05	30.03	30.14	21	OVC	065			10.00		38	20	32	48	10	09	30.19	30.31						
24	OVC	001			0.25	-RA BR	44	43	44	96	5	32	30.05	30.16	24	OVC	019			10.00		40	27	35	60	10	07	30.10	30.21						
<b>SUNRISE: 0711</b>						<b>DEC 17</b>						<b>SUNRISE: 0714</b>						<b>DEC 23</b>						<b>SUNSET: 1727</b>											
03	OVC	004			1.00	BR	44	43	44	96	6	35	30.02	30.13	03	OVC	013			7.00		42	34	39	73	13	08	30.01	30.12						
06	OVC	002			0.25	BR	45	44	45	96	3	05	30.02	30.14	06	OVC	009			4.00	-RA BR	42	41	42	96	6	08	29.94	30.06						
09	OVC	007			0.50	BR	49	48	48	96	6	06	30.06	30.18	09	OVC	003			0.50	RA BR	50	49	49	96	7	10	29.92	30.03						
12	OVC	250			6.00	HZ	59	54	56	84	7	09	30.05	30.16	12	BKN	250			7.00		71	64	67	79	17	19	29.87	29.98						
15	OVC	009			10.00		63	57	60	81	7	06	30.01	30.12	15	OVC	020			10.00		67	59	62	76	10	20	29.83	29.94						
18	OVC	007			9.00		62	58	60	87	8	08	30.03	30.14	18	OVC	016			10.00		65	59	61	81	5	19	29.79	29.91						
21	OVC	003			0.50	BR	59	59	59	100	7	06	30.06	30.17	21	OVC	008			9.00		65	62	63	90	9	14	29.81	29.91						
24	VV	001			0.50	FG	59	58	58	97	5	06	30.06	30.18	24	OVC	012			6.00	BR	68	66	67	93	5	18	29.83	29.94						
<b>SUNRISE: 0711</b>						<b>DEC 18</b>						<b>SUNRISE: 0714</b>						<b>DEC 24</b>						<b>SUNSET: 1728</b>											
03	VV	001			0.00	-RA FG	59	59	59	100	0	00	30.05	30.15	03	OVC	033			6.00	BR	71	68	69	90	8	17	29.82	29.93						
06	VV	001			0.00	FG	62	61	61	97	3	11	30.03	30.14	06	OVC	028			7.00		72	67	69	84	6	VR	29.86	29.96						
09	VV	001			0.00	FG	65	65	65	100	7	13	30.06	30.17	09	OVC	250			7.00		72	68	69	87	6	20	29.94	30.04						
12	OVC	005			0.25	BR	71	69	70	93	10	15	30.03	30.15	12	OVC	020			10.00	-RA	66	62	64	87	3	VR	29.98	30.10						
15	OVC	250			8.00		74	69	71	84	13	15	29.95	30.06	15	OVC	029			10.00		64	61	62	90	5	02	29.98	30.09						
18	SCT	250			9.00		72	67	69	84	14	16	29.96	30.07	18	BKN	250			10.00		63	57	60	81	5	01	30.03	30.13						
21	OVC	029			9.00		71	68	69	90	14	17	29.98	30.09	21	BKN	250			10.00		62	58	60	87	5	05	30.05	30.16						
24	OVC	021			10.00		71	68	69	90	10	17	29.98	30.09	24	BKN	250			10.00		61	56	58	84	3	36	30.06	30.16						

# OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX  
DECEMBER 2008

KIAH

WBAN # 12960

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND		PRESSURE (INCHES, HG)			
			Observation Time (LST)	Eff Cl'd Amt Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
<b>SUNRISE: 0715      DEC 25      SUNSET: 1728</b>														
03	OVC	065				61	56	58	84	6	06	30.03	30.15	
06	OVC	010				61	57	59	87	5	03	30.03	30.14	
09	OVC	006			BR	62	59	60	90	6	08	30.06	30.17	
12	OVC	013			BR	67	63	65	87	7	10	30.05	30.15	
15	OVC	012			BR	71	67	68	87	7	14	29.96	30.07	
18	BKN	065				74	69	71	84	10	17	29.93	30.04	
21	OVC	019				72	69	70	90	9	16	29.96	30.07	
24	OVC	009				71	68	69	90	11	16	29.94	30.05	
<b>SUNRISE: 0715      DEC 26      SUNSET: 1729</b>														
03	OVC	029				71	68	69	90	9	16	29.91	30.02	
06	OVC	020				72	69	70	90	13	17	29.89	30.00	
09	OVC	030			-RA BR	72	70	71	93	13	17	29.93	30.04	
12	BKN	044				76	69	71	79	18	17	29.91	30.02	
15	BKN	250				76	68	71	76	17	16	29.83	29.94	
18	OVC	055				71	68	69	90	11	13	29.83	29.93	
21	OVC	010			BR	71	69	70	93	14	16	29.82	29.93	
24	OVC	014				74	69	71	84	16	17	29.81	29.92	
<b>SUNRISE: 0716      DEC 27      SUNSET: 1729</b>														
03	OVC	025				73	68	70	84	18	16	29.80	29.91	
06	OVC	030				73	67	69	82	17	17	29.79	29.90	
09	OVC	042				73	67	69	82	14	17	29.82	29.93	
12	OVC	037			-RA BR	74	69	71	84	9	18	29.81	29.92	
15	OVC	040			-RA	74	70	71	87	5	19	29.78	29.88	
18	OVC	042				59	51	55	75	0	00	29.91	30.02	
21	OVC	050				62	34	49	35	14	34	30.00	30.11	
24	BKN	055				57	20	42	24	15	36	30.08	30.19	
<b>SUNRISE: 0716      DEC 28      SUNSET: 1730</b>														
03	OVC	065				53	23	41	31	11	02	30.11	30.22	
06	BKN	070				50	28	41	43	8	01	30.11	30.22	
09	OVC	060				47	34	41	61	13	34	30.21	30.32	
12	OVC	075				44	39	42	83	9	04	30.19	30.30	
15	OVC	065				47	42	45	83	9	33	30.14	30.25	
18	OVC	250				48	42	45	80	6	36	30.14	30.26	
21	OVC	070				49	43	46	80	6	36	30.18	30.29	
24	SCT	090				47	41	44	80	0	00	30.21	30.32	
<b>SUNRISE: 0716      DEC 29      SUNSET: 1731</b>														
03	FEW	250				44	41	43	89	0	00	30.19	30.31	
06	CLR	NC				42	39	41	89	0	00	30.21	30.32	
09	FEW	250				47	40	44	77	7	03	30.27	30.39	
12	FEW	250				60	33	48	36	6	VR	30.24	30.36	
15	FEW	250				65	30	49	27	6	04	30.18	30.29	
18	FEW	250				58	28	45	32	0	00	30.19	30.29	
21	CLR	NC				47	35	42	63	0	00	30.19	30.31	
24	CLR	NC				43	38	41	83	0	00	30.18	30.29	
<b>SUNRISE: 0717      DEC 30      SUNSET: 1731</b>														
03	CLR	NC				40	37	39	89	0	00	30.13	30.24	
06	CLR	NC				38	36	37	93	0	00	30.11	30.22	
09	BKN	250				46	42	44	86	0	00	30.10	30.22	
12	OVC	250				62	42	52	48	5	25	30.06	30.17	
15	OVC	250				70	45	57	41	3	VR	29.97	30.08	
18	FEW	250				61	46	53	58	3	19	29.96	30.07	
21	SCT	250				60	55	57	84	5	18	29.96	30.07	
24	SCT	250				55	54	54	96	0	00	29.98	30.09	

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND		PRESSURE (INCHES, HG)			
			Observation Time (LST)	Eff Cl'd Amt Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
<b>SUNRISE: 0717      DEC 31      SUNSET: 1732</b>														
03	SCT	130				54	53	53	96	5	34	30.02	30.13	
06	VV	001			FG	52	52	52	100	0	00	30.03	30.15	
09	BKN	250				55	44	50	67	17	03	30.11	30.22	
12	SCT	250				63	37	50	38	11	04	30.11	30.23	
15	SCT	250				66	38	52	36	10	04	30.08	30.18	
18	SCT	250				58	37	48	46	8	01	30.10	30.21	
21	FEW	250				52	34	44	50	9	05	30.13	30.24	
24	SCT	250				46	34	41	63	7	08	30.08	30.19	

## 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.

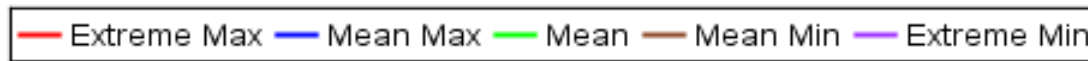
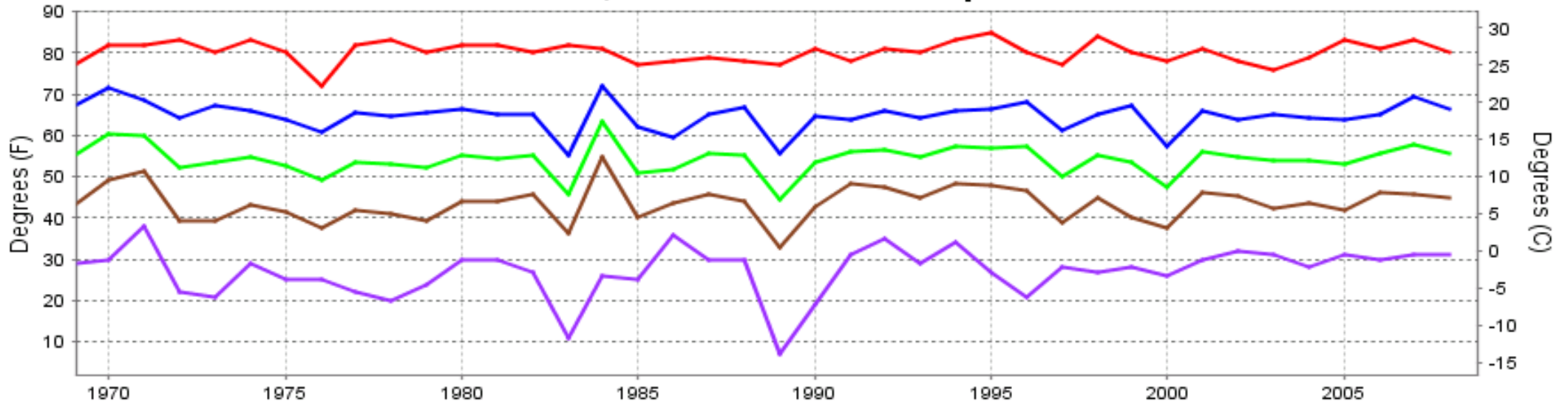
& = Original observation contained additional weather elements.

See page 3 for additional notes.

## SUMMARY BY HOUR

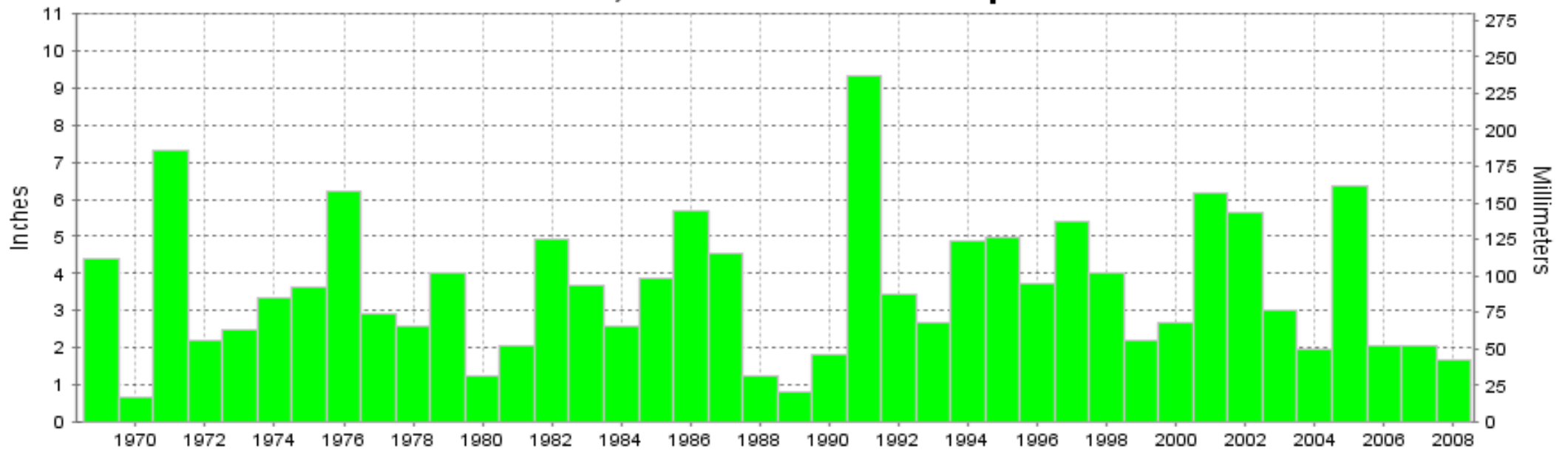
HOUR (LST)	AVERAGES								RESULTANT WIND (MPH)		
	CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (Inches, HG)		WIND SPEED (MPH)	DIRECTION	
							STATION	SEA LEVEL			
01			53	45	49	76	30.01	30.12	8.98	8	01
02			52	45	48	79	30.02	30.14	8.73	7	1
03			52	45	49	79	30.01	30.12	8.58	8	1
04			51	45	49	81	30.01	30.12	8.31	8	1
05			51	45	49	81	30.00	30.11	8.18	8	1
06			51	46	49	82	30.01	30.12	8.01	7	1
07			51	46	49	83	30.03	30.14	8.14	7	1
08			52	46	49	81	30.04	30.15	7.79	9	2
09			54	46	50	77	30.05	30.17	7.54	9	2
10			57	46	51	70	30.07	30.18	7.69	11	1
11			59	46	53	66	30.06	30.17	7.96	11	2
12			61	46	54	62	30.03	30.15	8.40	11	1
13			62	46	54	59	30.00	30.12	8.98	11	1
14			63	46	55	59	29.98	30.10	9.36	11	1
15			63	46	55	60	29.98	30.09	9.36	11	1
16			62	46	54	60	29.98	30.09	9.23	11	1
17			60	46	53	62	29.98	30.09	9.30	10	2
18			59	46	53	66	29.99	30.10	9.30	8	2
19			57	47	52	70	30.01	30.12	8.96	8	2
20			56	46	52	72	30.02	30.12	8.70	8	2
21			55	46	51	74	30.02	30.13	8.70	8	2
22			54	46	50	75	30.03	30.14	8.80	8	2
23			54	46	50	77	30.03	30.14	8.83	8	2
24			53	45	50	77	30.03	30.14	8.89	8	1

## HOUSTON, TX DECEMBER Temperatures



Long-Term (1969-2008) Mean: 54.2  
 1971-2000 Normal: 53.7

## HOUSTON, TX DECEMBER Precipitation



Long-Term (1969-2008) Mean Monthly Total: 3.61

1971-2000 Normal: 3.69



**DECEMBER 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.*

*Thomas R. Karl*  
**DIRECTOR**

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