



AUGUST 2001

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

HOUSTON, TX

INTERCONTINENTAL AIRPORT (IAH)
 Lat: 29°59' N Long: 95°21' W Elev (Ground): 118 Feet
 Time Zone: CENTRAL WBAN: 12960 ISSN #:0198-5094

DATE	TEMPERATURE °F						DEG DAYS BASE 65°		WEATHER	SNOW/ICE ON GND(IN)		PRECIPITATION (INCHES)		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																																		
																			5-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	95	72	84	1	73	76	0	19		0		0.0	0.00	29.99	30.10	3.5	10	4.6	20	12	17	13	01																														
02	95	75	85	2	72	76	0	20	RA BR	0		0.0	T	29.98	30.09	7.3	06	8.9	39*	36	17	05	02																														
03	96	73	85	2	71	75	0	20	RA BR	0		0.0	T	29.91	30.02	4.6	07	6.3	26	08	16	06	03																														
04	97	71	84	1	70	75	0	19	BR	0		0.0	0.00	29.84	29.95	1.4	36	5.2	30	02	13	09	04																														
05	101*	77	89*	6	72	76	0	24	RA HZ	0		0.0	T	29.83	29.94	1.6	32	6.1	21	07	16	03	05																														
06	98	72	85	2	72	75	0	20	TS TSRA RA BR	0		0.0	0.40	29.88	29.99	1.7	12	4.9	36	01	26*	21	06																														
07	93	72	83	0	74	76	0	18	TS TSRA RA BR HZ	0		0.0	0.05	29.95	30.06	2.5	16	4.8	26	19	21	16	07																														
08	94	75	85	2	75	78	0	20	TS RA	0		0.0	T	29.95	30.06	5.5	17	6.6	22	16	18	15	08																														
09	95	74	85	2	75	78	0	20	TS TSRA	0		0.0	T	29.93	30.04	5.9	17	6.9	24	14	21	14	09																														
10	96	74	85	2	74	77	0	20		0		0.0	0.00	29.92	30.03	4.6	18	5.7	18	16	17	16	10																														
11	97	75	86	3	74	78	0	21		0		0.0	0.00	29.91	30.02	4.1	20	5.6	22	15	18	15	11																														
12	96	78	87	4	75	78	0	22		0		0.0	0.00	29.95	30.06	5.4	20	6.8	17	26	14	15	12																														
13	90	76	83	0	75	77	0	18	RA	0		0.0	T	29.95	30.06	1.7	20	6.6	21	15	17	13	13																														
14	97	73	85	2	73	76	0	20		0		0.0	0.00	29.85	29.96	0.7	27	3.9	16	10	15	14	14																														
15	95	74	85	3	73	77	0	20	BR	0		0.0	0.00	29.80	29.91	3.9	18	5.2	18	15	16	14	15																														
16	98	78	88	6	75	78	0	23		0		0.0	0.00	29.88	29.99	5.2	19	6.7	23	14	20	13	16																														
17	98	76	87	5	75	78	0	22	RA	0		0.0	0.08	29.96	30.07	3.9	18	6.5	21	11	17	09	17																														
18	99	76	88	6	74	78	0	23		0		0.0	0.00	29.90	30.00	5.7	19	7.4	18	11	16	12	18																														
19	90	75	83	1	73	76	0	18		0		0.0	0.00	29.86	29.97	1.9	22	4.5	16	12	14	12	19																														
20	98	72	85	3	73	76	0	20		0		0.0	0.00	29.90	30.01	3.8	16	5.2	22	13	18	15	20																														
21	96	73	85	3	74	77	0	20	RA	0		0.0	T	29.93	30.03	6.5	14	6.9	24	13	21	13	21																														
22	97	72	85	3	73	76	0	20		0		0.0	0.00	29.94	30.05	6.4	15	6.7	22	13	18	13	22																														
23	96	71	84	2	72	76	0	19	BR	0		0.0	0.00	29.91	30.02	4.4	15	5.4	21	13	17	14	23																														
24	94	74	84	2	72	75	0	19	BR	0		0.0	0.00	29.87	29.98	4.1	14	5.0	18	15	16	15	24																														
25	97	73	85	3	74	76	0	20	TS TSRA RA	0		0.0	0.03	29.85	29.96	4.6	17	5.4	26	15	21	14	25																														
26	95	72	84	2	75	76	0	19	TS TSRA RA BR	0		0.0	1.58	29.88	29.99	0.3	15	3.7	23	18	17	20	26																														
27	89	72	81	0	73	74	0	16	TS TSRA RA BR	0		0.0	0.07	29.87	29.98	1.5	08	4.3	20	26	15	27	27																														
28	80	72	76	-5	73	73	0	11	RA BR	0		0.0	0.26	29.88	29.99	3.0	10	5.9	18	13	17	13	28																														
29	77	72	75	-6	73	73	0	10	TSRA RA BR	0		0.0	0.30	29.85	29.96	5.4	10	7.5	23	15	20	15	29																														
30	79	70*	75	-6	73	74	0	10	TS TSRA RA BR	0		0.0	0.94	29.80	29.91	6.9	12	8.0	18	13	16	13	30																														
31	77	73	75*	-6	74	74	0	10	RA BR	0		0.0	1.12	29.76	29.87	2.1	11	4.5	17	02	10	08	31																														
93.4										73.6		83.5		■ ■		73.4		76.1		0.0		18.7		< MONTHLY AVERAGES TOTALS->				0.0		4.83		29.89		30.00		2.6		15		5.9		<- MONTHLY AVERAGES											
0.9										1.6		1.2		■ ■		<-----DEPARTURE FROM NORMAL----->																				1.34		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3															
DEGREE DAYS										GREATEST 24-HR PRECIPITATION: 1.61 DATE :25-26										SEA LEVEL PRESSURE DATE TIME																																	
MONTHLY TOTAL DEPARTURE										SEASON TO DATE TOTAL DEPARTURE										GREATEST 24-HR SNOWFALL: 0.0 DATE :										MAXIMUM : 30.16 01 0853																							
HEATING: 0 0 0 0										GREATEST SNOW DEPTH: 0 DATE :										MINIMUM : 29.82 31 1853																																	
COOLING: 581 45 2270 219										NUMBER OF DAYS WITH →										MAXIMUM TEMP ≥ 90: 26										MINIMUM TEMP ≤ 32: 0										PRECIPITATION ≥ 0.01 INCH : 10													
																				MAXIMUM TEMP ≤ 32 : 0										MINIMUM TEMP ≤ 0 : 0										PRECIPITATION ≥ 0.10 INCH : 6													
																				THUNDERSTORMS : 9										HEAVY FOG : 0										SNOWFALL ≥ 1.0 INCH : 0													

AUGUST 2001
HOUSTON, TX

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

HOUSTON, TX

AUGUST 2001

IAH

WBAN # 12960

DATE	FOR HOUR (LST) ENDING AT												DATE	FOR HOUR (LST) ENDING AT												DATE	Sum if Different (See Note)	2400 LST
	1	2	3	4	5	6	7	8	9	10	11	12		13	14	15	16	17	18	19	20	21	22	23	24			Water Equiv.
01													01												01		0.00	
02													02						T	T					02		T	
03													03									T			03		T	
04													04												04		0.00	
05													05												05		T	
06													06						0.02	0.01					06		0.40	
07													07												07		0.05	
08													08												08		T	
09													09												09		T	
10													10												10		0.00	
11													11												11		0.00	
12													12												12		0.00	
13													13												13		T	
14													14												14		0.00	
15													15												15		0.00	
16													16												16		0.00	
17													17												17		0.08	
18													18												18		0.00	
19													19												19		0.00	
20													20												20		0.00	
21													21												21		T	
22													22												22		0.00	
23													23												23		0.00	
24													24												24		0.00	
25													25												25		0.03	
26													26												26		1.58	
27													27												27		0.07	
28													28												28		0.26	
29													29												29		0.30	
30													30												30		0.94	
31													31												31		1.12	

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	.30	.51	.79	.97	1.26	1.44	1.52	1.56	1.57	1.57	1.57	1.57
Ending Date	26	26	26	26	26	26	26	26	26	26	26	26
Ending Time (Hour/Min)	1305	1313	1315	1319	1328	1336	1351	1403	1412	1412	1412	1412

Date and time are not entered for TRACE amounts.

Note : The sum of the hourly totals is given when it differs from the daily total. 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.

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 1961–1990

WEATHER NOTATIONS

QUALIFIER	WEATHER PHENOMENA		
	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	SQ Squalls
PR Partial	RA Rain	PY Spray	SS Sandstorm
SH Shower(s)	SG Snow Grains	SA Sand	GL Glaze
TS Thunderstorm	SN Snow	VA Volcanic Ash	
VC In the Vicinity	UP Unknown Precipitation		

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

HOUSTON, TX AUGUST 2001

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	
			CEILOMETER	SATELLITE	CEILOMETER	SATELLITE			
01							8.00	10.00	
02							5.00	10.00	
03							6.00	10.00	
04							6.00	10.00	
05							5.00	10.00	
06							6.00	10.00	
07							4.00	10.00	
08							10.00	10.00	
09							7.00	10.00	
10							10.00	10.00	
11							10.00	10.00	
12							10.00	10.00	
13							8.00	10.00	
14							8.00	10.00	
15							6.00	10.00	
16							10.00	10.00	
17							9.00	10.00	
18							10.00	10.00	
19							10.00	10.00	
20							7.00	10.00	
21							8.00	10.00	
22							7.00	10.00	
23							1.50	10.00	
24							5.00	10.00	
25							10.00	10.00	
26							5.00	10.00	
27							5.00	10.00	
28							6.00	10.00	
29							1.75	10.00	
30							1.00	10.00	
31							1.75	10.00	
MONTHLY AVGS							6.97	10.00	
SUNSHINE (MINUTES)									
Total: Possible: Percent Possible:									
NUMBER OF DAYS WITH:									
SKY CONDITION									
CLR PTLY CLDY CLOUDY MISSING 31									
MINIMUM VISIBILITY (MILES)									
<=0.25 <=3.0 >=7.0 0 2 17									

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX

AUGUST 2001

IAH

WBAN # 12960

HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)							
	SKY COVER	CEILING 100'S OF FT		OBSERVATION TIME (LST)	EFF CLD AMT Oktas	VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)		DIRECTION TENS OF DEG	STATION		SEA LEVEL	SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT Oktas	VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
SUNRISE: 0541				AUG 01				SUNSET: 1915				SUNRISE: 0544				AUG 07				SUNSET: 1910									
03	CLR	NC			9.00	74	73	73	97	0	00	29.95	30.06	03	FEW	NC			9.00	73	72	72	96	3	36	29.91	30.03		
06	SCT	NC			8.00	73	72	72	96	0	00	30.00	30.11	06	SCT	NC			4.00	BR	72	71	71	97	3	01	29.95	30.06	
09	SCT	NC			10.00	84	76	78	77	0	00	30.05	30.16	09	BKN	250			5.00	BR	80	76	77	87	5	08	29.99	30.11	
12	SCT	NC			10.00	92	71	77	51	6	07	30.01	30.13	12	SCT	NC			6.00	HZ	89	74	78	61	3	VR	29.97	30.08	
15	BKN	250			10.00	95	69	77	43	6	VR	29.96	30.07	15	OVC	090			6.00	-TSRA	84	75	78	74	17	19	29.96	30.07	
18	BKN	250			10.00	89	76	80	65	10	11	29.96	30.07	18	BKN	250			10.00		85	76	79	75	7	17	29.91	30.03	
21	SCT	NC			10.00	82	74	76	77	5	05	29.98	30.09	21	SCT	NC			10.00		81	76	77	85	6	15	29.95	30.06	
24	SCT	NC			10.00	78	74	75	87	0	00	29.98	30.09	24	CLR	NC			10.00		78	75	76	90	5	17	29.97	30.08	
SUNRISE: 0541				AUG 02				SUNSET: 1914				SUNRISE: 0545				AUG 08				SUNSET: 1910									
03	CLR	NC			10.00	76	74	75	94	6	03	29.97	30.08	03	FEW	NC			10.00	78	75	76	90	3	19	29.96	30.07		
06	BKN	250		BR	5.00	75	73	74	94	5	03	29.99	30.11	06	FEW	NC			10.00	77	76	76	96	0	00	29.97	30.08		
09	SCT	NC			10.00	87	72	77	61	14	06	30.02	30.13	09	SCT	NC			10.00	87	76	79	70	9	18	30.01	30.12		
12	BKN	250			10.00	90	69	76	50	9	07	29.99	30.11	12	SCT	NC			10.00	92	73	79	54	8	21	29.96	30.08		
15	BKN	250			10.00	92	68	76	46	10	04	29.95	30.06	15	BKN	250			10.00	86	75	78	70	10	11	29.92	30.03		
18	BKN	250			10.00	90	69	76	50	12	05	29.93	30.05	18	BKN	250			10.00	87	76	79	70	14	16	29.91	30.02		
21	BKN	250			10.00	80	73	75	79	7	07	29.97	30.08	21	SCT	NC			10.00	81	76	77	85	6	18	29.91	30.02		
24	OVC	250			9.00	79	74	76	85	8	11	29.97	30.08	24	SCT	NC			10.00	79	75	76	88	0	00	29.92	30.03		
SUNRISE: 0542				AUG 03				SUNSET: 1914				SUNRISE: 0545				AUG 09				SUNSET: 1909									
03	OVC	100			7.00	76	74	75	94	5	01	29.95	30.06	03	CLR	NC			10.00	78	76	77	93	5	16	29.91	30.02		
06	BKN	250		BR	6.00	73	72	72	96	0	00	29.94	30.05	06	BKN	120			9.00	76	75	75	97	0	00	29.93	30.05		
09	SCT	NC			10.00	84	73	76	70	9	03	29.96	30.07	09	BKN	140			10.00	85	76	79	75	6	VR	29.98	30.09		
12	SCT	NC			10.00	92	69	76	47	6	12	29.94	30.05	12	SCT	NC			10.00	91	72	78	54	12	23	29.96	30.07		
15	FEW	NC			10.00	94	68	76	43	12	03	29.87	29.98	15	BKN	065			7.00	TS	88	76	79	68	20	15	29.92	30.03	
18	SCT	NC			10.00	92	66	74	43	9	08	29.84	29.95	18	BKN	250			10.00	85	76	79	75	10	15	29.88	29.99		
21	SCT	NC			10.00	83	74	77	74	7	15	29.86	29.97	21	SCT	NC			10.00	82	76	78	82	8	17	29.89	30.01		
24	SCT	NC			9.00	76	73	74	91	0	00	29.86	29.98	24	SCT	NC			10.00	79	76	77	90	3	19	29.94	30.05		
SUNRISE: 0542				AUG 04				SUNSET: 1913				SUNRISE: 0546				AUG 10				SUNSET: 1908									
03	FEW	NC		BR	6.00	73	71	72	94	3	30	29.84	29.95	03	CLR	NC			10.00	76	74	75	94	0	00	29.92	30.03		
06	SCT	NC			7.00	73	71	72	94	0	00	29.87	29.98	06	SCT	NC			10.00	74	74	74	100	0	00	29.95	30.06		
09	SCT	NC			10.00	85	73	77	68	9	31	29.90	30.01	09	BKN	250			10.00	87	77	80	72	7	VR	29.97	30.08		
12	SCT	NC			10.00	93	68	76	44	10	05	29.85	29.97	12	SCT	NC			10.00	93	72	78	50	9	24	29.94	30.06		
15	SCT	NC			10.00	97	66	76	36	10	04	29.80	29.91	15	SCT	NC			10.00	96	69	77	42	0	00	29.89	30.00		
18	SCT	NC			10.00	93	68	76	44	3	11	29.78	29.89	18	BKN	250			10.00	89	71	77	55	10	16	29.88	29.99		
21	SCT	NC			10.00	85	71	75	63	3	18	29.81	29.92	21	FEW	NC			10.00	84	75	78	74	7	19	29.89	30.00		
24	FEW	NC			9.00	81	73	75	77	5	VR	29.83	29.94	24	SCT	NC			10.00	81	75	77	82	5	18	29.91	30.02		
SUNRISE: 0543				AUG 05				SUNSET: 1912				SUNRISE: 0547				AUG 11				SUNSET: 1907									
03	CLR	NC			9.00	78	72	74	82	3	VR	29.82	29.93	03	SCT	NC			10.00	79	76	77	90	0	00	29.90	30.02		
06	OVC	075			7.00	78	73	75	85	3	30	29.85	29.96	06	SCT	NC			10.00	75	75	75	100	0	00	29.92	30.03		
09	OVC	070			7.00	83	73	76	72	8	30	29.88	29.99	09	BKN	021			10.00	86	76	79	72	9	22	29.95	30.06		
12	SCT	NC			9.00	95	73	79	49	10	32	29.86	29.97	12	SCT	NC			10.00	93	72	78	50	7	VR	29.92	30.03		
15	SCT	NC			10.00	99	68	77	37	12	01	29.78	29.89	15	BKN	250			10.00	96	67	76	39	5	22	29.86	29.98		
18	SCT	NC			10.00	96	68	77	40	10	10	29.77	29.88	18	BKN	250			10.00	91	75	80	59	14	17	29.86	29.97		
21	FEW	NC			8.00	85	73	77	68	5	18	29.82	29.93	21	BKN	250			10.00	84	75	78	74	6	18	29.91	30.02		
24	FEW	NC			8.00	81	74	76	79	3	23	29.86	29.97	24	BKN	250			10.00	82	76	78	82	5	20	29.93	30.04		
SUNRISE: 0544				AUG 06				SUNSET: 1911				SUNRISE: 0547				AUG 12				SUNSET: 1906									
03	FEW	NC			8.00	78	74	75	87	3	VR	29.85	29.96	03	BKN	250			10.00	80	76	77	87	5	VR	29.93	30.04		
06	SCT	NC		BR	6.00	74	72	73	94	0	00	29.87	29.98	06	BKN	020			10.00	78	76	77	93	5	24	29.97	30.08		
09	SCT	NC			10.00	86	71	76	61	5	26	29.89	30.01	09	BKN	019			10.00	86	77	80	75	13	22	30.00	30.11		
12	SCT	NC			9.00	93	68	76	44	0	00	29.87	29.98	12	SCT	NC			10.00	93	73	79	52	9	25	29.99	30.10		
15	BKN	095			9.00	95	69	77	43	8	13	29.83	29.94	15	BKN	250			10.00	96	71	78	44	8	18	29.92	30.03		
18	OVC	065		TS	7.00	86	77	80	75	14	09	29.87	29.98	18	OVC	250			10.00	92	73	79	54	10	17	29.90	30.01		
21	BKN	250			10.00	73	72	72	96	3	28	29.92	30.03	21	BKN	250			10.00	86	75	78	70	8	19	29.95	30.06		
24	SCT	NC			10.00	73	72	72	96	3	07	29.91	30.02	24	BKN	250			10.00	82	75	77	79	5	20	29.95	30.06		

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX

AUGUST 2001

IAH

WBAN # 12960

HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)							
	SKY COVER	CEILING 100'S OF FT		OBSERVATION TIME (LST)	EFF CLD AMT Oktas	VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)		DIRECTION TENS OF DEG	STATION		SEA LEVEL	SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT Oktas	VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
SUNRISE: 0548				AUG 13				SUNSET: 1905				SUNRISE: 0551				AUG 19				SUNSET: 1859									
03	BKN	250		10.00		80	75	77	85	5	24	29.93	30.04	03	FEW	NC		10.00		79	75	76	88	7	22	29.82	29.93		
06	BKN	110		10.00		79	76	77	90	5	24	29.97	30.09	06	BKN	018		10.00		77	75	76	94	0	00	29.86	29.97		
09	OVC	120		10.00		83	76	78	79	10	25	30.00	30.11	09	OVC	015		10.00		83	77	79	82	6	VR	29.91	30.02		
12	OVC	110		10.00		89	72	77	57	6	31	29.98	30.10	12	OVC	120		10.00		88	72	77	59	7	28	29.90	30.01		
15	OVC	120		10.00		88	74	78	63	15	12	29.96	30.07	15	OVC	120		10.00		87	72	77	61	3	27	29.87	29.98		
18	BKN	250		10.00		83	75	77	77	9	13	29.90	30.01	18	BKN	120		10.00		89	70	76	53	10	11	29.80	29.91		
21	BKN	250		10.00		79	75	76	88	0	00	29.91	30.02	21	FEW	NC		10.00		80	72	75	76	3	16	29.86	29.98		
24	BKN	250		10.00		76	74	75	94	0	00	29.88	29.99	24	SCT	NC		10.00		75	74	74	96	3	16	29.89	30.00		
SUNRISE: 0548				AUG 14				SUNSET: 1904				SUNRISE: 0552				AUG 20				SUNSET: 1858									
03	SCT	NC		10.00		74	73	73	97	0	00	29.89	30.00	03	SCT	NC		7.00		75	74	74	96	0	00	29.87	29.98		
06	OVC	040		8.00		74	74	74	100	0	00	29.90	30.01	06	SCT	NC		10.00		72	72	72	100	0	00	29.91	30.02		
09	BKN	033		10.00		85	77	79	77	8	28	29.92	30.03	09	SCT	NC		10.00		83	75	77	77	0	00	29.95	30.06		
12	SCT	NC		10.00		91	73	78	56	7	28	29.88	29.99	12	SCT	NC		10.00		92	69	76	47	3	VR	29.92	30.03		
15	BKN	250		10.00		95	70	77	44	6	VR	29.80	29.91	15	SCT	NC		10.00		96	66	75	37	10	13	29.87	29.98		
18	BKN	100		10.00		94	70	77	46	0	00	29.78	29.89	18	SCT	NC		10.00		92	71	77	51	15	14	29.86	29.97		
21	BKN	120		10.00		83	72	75	70	8	13	29.80	29.91	21	FEW	NC		10.00		83	74	77	74	7	17	29.90	30.01		
24	BKN	250		10.00		77	73	74	88	0	00	29.80	29.91	24	FEW	NC		10.00		80	75	77	85	3	20	29.93	30.04		
SUNRISE: 0549				AUG 15				SUNSET: 1903				SUNRISE: 0552				AUG 21				SUNSET: 1857									
03	BKN	250		10.00		76	73	74	91	0	00	29.79	29.90	03	SCT	NC		10.00		75	74	74	96	0	00	29.92	30.03		
06	BKN	250	BR	6.00		74	73	73	97	0	00	29.83	29.94	06	SCT	NC		10.00		73	73	73	100	0	00	29.93	30.05		
09	BKN	250		10.00		85	74	77	70	7	20	29.84	29.96	09	BKN	024		10.00		86	76	79	72	10	16	29.97	30.08		
12	BKN	250		10.00		90	72	77	56	6	23	29.82	29.93	12	BKN	250		10.00		92	75	80	58	9	13	29.94	30.05		
15	BKN	250		10.00		93	72	78	50	7	VR	29.77	29.89	15	BKN	250		10.00		93	74	79	54	18	11	29.90	30.01		
18	BKN	250		10.00		90	74	79	59	10	17	29.75	29.87	18	SCT	NC		10.00		89	75	79	63	16	12	29.87	29.98		
21	BKN	250		10.00		84	76	78	77	9	16	29.78	29.89	21	SCT	NC		10.00		81	75	77	82	7	17	29.91	30.03		
24	FEW	NC		10.00		81	74	76	79	3	17	29.81	29.92	24	FEW	NC		10.00		76	73	74	91	0	00	29.94	30.05		
SUNRISE: 0549				AUG 16				SUNSET: 1902				SUNRISE: 0553				AUG 22				SUNSET: 1856									
03	SCT	NC		10.00		79	76	77	90	3	21	29.82	29.93	03	CLR	NC		10.00		76	74	75	94	0	00	29.92	30.03		
06	BKN	250		10.00		79	76	77	90	3	19	29.86	29.97	06	BKN	250		7.00		73	73	73	100	0	00	29.96	30.07		
09	BKN	022		10.00		86	76	79	72	8	23	29.91	30.02	09	BKN	250		10.00		86	75	78	70	9	17	29.98	30.09		
12	BKN	044		10.00		93	72	78	50	7	26	29.91	30.02	12	FEW	NC		10.00		93	71	78	49	7	16	29.96	30.08		
15	SCT	NC		10.00		97	71	79	43	13	15	29.85	29.96	15	SCT	NC		10.00		94	70	77	46	9	14	29.91	30.02		
18	BKN	120		10.00		88	76	79	68	12	15	29.84	29.96	18	SCT	NC		10.00		89	72	77	57	15	13	29.89	30.01		
21	SCT	NC		10.00		85	75	78	72	8	20	29.90	30.01	21	FEW	NC		10.00		81	74	76	79	5	17	29.92	30.03		
24	BKN	250		10.00		82	76	78	82	6	18	29.96	30.07	24	FEW	NC		10.00		78	74	75	87	3	18	29.93	30.04		
SUNRISE: 0550				AUG 17				SUNSET: 1901				SUNRISE: 0553				AUG 23				SUNSET: 1855									
03	BKN	020		10.00		80	76	77	87	3	23	29.96	30.08	03	CLR	NC		5.00	BR	73	73	73	100	0	00	29.89	30.01		
06	SCT	NC		10.00		77	76	76	96	0	00	29.97	30.08	06	BKN	250		5.00	BR	72	72	72	100	0	00	29.92	30.03		
09	BKN	020		10.00		85	76	79	75	9	22	30.01	30.12	09	BKN	250		10.00		85	75	78	72	0	00	29.96	30.07		
12	SCT	NC		10.00		91	73	78	56	5	25	30.00	30.11	12	SCT	NC		10.00		92	67	75	44	9	23	29.93	30.04		
15	SCT	NC		10.00		96	72	79	46	9	16	29.93	30.04	15	BKN	100		9.00		93	70	77	47	10	15	29.87	29.98		
18	BKN	250		10.00		86	79	81	80	16	10	29.90	30.01	18	BKN	085		10.00		90	72	77	56	15	13	29.86	29.97		
21	BKN	250		10.00		84	74	77	72	6	20	29.94	30.06	21	SCT	NC		10.00		83	73	76	72	8	17	29.89	30.00		
24	SCT	NC		10.00		80	75	77	85	6	20	29.96	30.07	24	CLR	NC		7.00		79	74	75	85	3	18	29.91	30.03		
SUNRISE: 0551				AUG 18				SUNSET: 1900				SUNRISE: 0554				AUG 24				SUNSET: 1854									
03	CLR	NC		10.00		78	76	77	93	3	19	29.93	30.04	03	CLR	NC		8.00		77	73	74	88	0	00	29.87	29.98		
06	BKN	250		10.00		77	76	76	96	5	20	29.93	30.04	06	SCT	NC		5.00	BR	75	73	74	94	0	00	29.87	29.98		
09	BKN	250		10.00		85	77	79	77	8	23	29.97	30.08	09	BKN	250		10.00		85	72	76	65	5	15	29.90	30.01		
12	SCT	NC		10.00		94	72	78	49	7	26	29.92	30.03	12	BKN	055		10.00		90	69	76	50	3	VR	29.88	29.99		
15	SCT	NC		10.00		98	69	78	39	7	VR	29.85	29.96	15	BKN	250		8.00		93	68	76	44	6	14	29.83	29.94		
18	SCT	NC		10.00		93	76	81	58	14	12	29.81	29.92	18	BKN	250		10.00		89	73	78	59	13	13	29.81	29.93		
21	SCT	NC		10.00		84	75	78	74	12	18	29.85	29.96	21	BKN	250		10.00		82	72	75	72	9	16	29.85	29.97		
24	FEW	NC		10.00		81	76	77	85	9	20	29.84	29.95	24	BKN	250		10.00		78	72	74	82	3	18	29.85	29.96		

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX

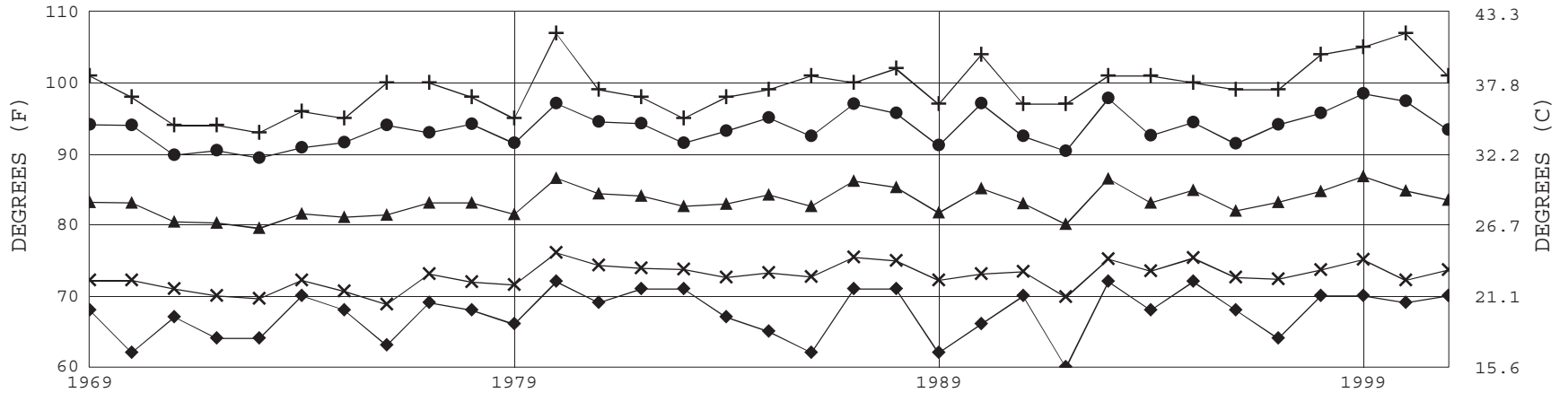
AUGUST 2001

IAH

WBAN # 12960

HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)																																																																																																																																																																																																																																																																																																																																												
	FEW	NC		OBSERVATION TIME (LST)	EFF CLD AMT Okta			DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL		FEW	NC		OBSERVATION TIME (LST)	EFF CLD AMT Okta			DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL																																																																																																																																																																																																																																																																																																																																											
SUNRISE: 0555								AUG 25				SUNSET: 1853				SUNRISE: 0558								AUG 31				SUNSET: 1846																																																																																																																																																																																																																																																																																																																																														
03	FEW	NC			10.00			73	71	72	94	0	00	29.84	29.95	03	OVC	005			7.00	-RA			74	73	73	97	6	21	29.77	29.88																																																																																																																																																																																																																																																																																																																																										
06	SCT	NC			10.00			73	71	72	94	3	03	29.86	29.98	06	OVC	017			4.00	-RA BR			73	73	73	100	0	00	29.77	29.88																																																																																																																																																																																																																																																																																																																																										
09	BKN	022			10.00			85	76	79	75	7	17	29.88	29.99	09	OVC	028			9.00	-RA			76	73	74	91	6	26	29.79	29.91																																																																																																																																																																																																																																																																																																																																										
12	SCT	NC			10.00			92	71	77	51	6	16	29.86	29.98	12	OVC	027			6.00	-RA BR			76	74	75	94	3	28	29.80	29.92																																																																																																																																																																																																																																																																																																																																										
15	BKN	250			10.00			92	74	79	56	16	16	29.82	29.93	15	OVC	006			10.00				76	74	75	94	5	06	29.74	29.86																																																																																																																																																																																																																																																																																																																																										
18	BKN	250			10.00			86	76	79	72	9	16	29.81	29.93	18	OVC	110			10.00				75	74	74	96	6	07	29.71	29.83																																																																																																																																																																																																																																																																																																																																										
21	SCT	NC			10.00			81	76	77	85	6	17	29.83	29.94	21	OVC	007			10.00				76	75	75	97	7	14	29.76	29.88																																																																																																																																																																																																																																																																																																																																										
24	FEW	NC			10.00			78	76	77	93	6	16	29.86	29.97	24	BKN	250			10.00				74	73	73	97	5	12	29.74	29.85																																																																																																																																																																																																																																																																																																																																										
SUNRISE: 0555								AUG 26				SUNSET: 1852				<h3>3-HOURLY OBSERVATION NOTES</h3> <p>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, VV = 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.</p>																																																																																																																																																																																																																																																																																																																																																										
03	CLR	NC			10.00			78	76	77	93	0	00	29.86	29.98																																																																																																																																																																																																																																																																																																																																																											
06	BKN	120			10.00			76	75	75	97	0	00	29.88	29.99																																																																																																																																																																																																																																																																																																																																																											
09	SCT	NC			10.00			86	77	80	75	6	VR	29.90	30.02																																																																																																																																																																																																																																																																																																																																																											
12	BKN	250			10.00			95	73	79	49	7	VR	29.87	29.98																																																																																																																																																																																																																																																																																																																																																											
15	OVC	120			10.00			73	72	72	96	0	00	29.86	29.98																																																																																																																																																																																																																																																																																																																																																											
18	OVC	090			10.00			78	74	75	87	8	12	29.81	29.93																																																																																																																																																																																																																																																																																																																																																											
21	BKN	250			10.00			76	75	75	97	0	00	29.90	30.01																																																																																																																																																																																																																																																																																																																																																											
24	OVC	250			10.00			75	73	74	94	6	31	29.88	29.99																																																																																																																																																																																																																																																																																																																																																											
SUNRISE: 0556								AUG 27				SUNSET: 1850												<h3>SUMMARY BY HOUR</h3> <table border="1"> <thead> <tr> <th rowspan="3">HOUR (LST)</th> <th colspan="10">AVERAGES</th> <th colspan="2">RESULTANT WIND (MPH)</th> </tr> <tr> <th rowspan="2">CEILOMETER</th> <th rowspan="2">EFF CLD AMT</th> <th rowspan="2">DRY BULB</th> <th rowspan="2">DEW POINT</th> <th rowspan="2">WET BULB</th> <th rowspan="2">RELATIVE HUMIDITY</th> <th colspan="2">PRESSURE (INCHES, HG)</th> <th rowspan="2">VISIBILITY (MILES)</th> <th rowspan="2">WIND SPEED (MPH)</th> <th rowspan="2">SPEED</th> <th rowspan="2">DIRECTION</th> </tr> <tr> <th>STATION</th> <th>SEA LEVEL</th> </tr> </thead> <tbody> <tr><td>01</td><td></td><td></td><td>77</td><td>74</td><td>75</td><td>90</td><td>29.89</td><td>30.00</td><td>9.48</td><td>3</td><td>2</td><td>17</td></tr> <tr><td>02</td><td></td><td></td><td>77</td><td>74</td><td>75</td><td>91</td><td>29.88</td><td>29.99</td><td>9.29</td><td>3</td><td>1</td><td>20</td></tr> <tr><td>03</td><td></td><td></td><td>76</td><td>74</td><td>75</td><td>93</td><td>29.88</td><td>29.99</td><td>9.19</td><td>2</td><td>0</td><td>0</td></tr> <tr><td>04</td><td></td><td></td><td>75</td><td>74</td><td>74</td><td>95</td><td>29.88</td><td>30.00</td><td>9.16</td><td>2</td><td>0</td><td>0</td></tr> <tr><td>05</td><td></td><td></td><td>75</td><td>74</td><td>74</td><td>95</td><td>29.89</td><td>30.00</td><td>9.68</td><td>2</td><td>0</td><td>0</td></tr> <tr><td>06</td><td></td><td></td><td>75</td><td>73</td><td>74</td><td>96</td><td>29.90</td><td>30.02</td><td>8.26</td><td>2</td><td>0</td><td>0</td></tr> <tr><td>07</td><td></td><td></td><td>77</td><td>75</td><td>75</td><td>94</td><td>29.92</td><td>30.03</td><td>8.42</td><td>2</td><td>0</td><td>0</td></tr> <tr><td>08</td><td></td><td></td><td>81</td><td>75</td><td>77</td><td>83</td><td>29.93</td><td>30.04</td><td>9.19</td><td>5</td><td>1</td><td>19</td></tr> 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LEVEL	01			77	74	75	90	29.89	30.00	9.48	3	2	17	02			77	74	75	91	29.88	29.99	9.29	3	1	20	03			76	74	75	93	29.88	29.99	9.19	2	0	0	04			75	74	74	95	29.88	30.00	9.16	2	0	0	05			75	74	74	95	29.89	30.00	9.68	2	0	0	06			75	73	74	96	29.90	30.02	8.26	2	0	0	07			77	75	75	94	29.92	30.03	8.42	2	0	0	08			81	75	77	83	29.93	30.04	9.19	5	1	19	09			84	75	78	75	29.94	30.05	9.71	7	3	20	10			86	73	77	67	29.94	30.05	9.35	6	3	21	11			88	72	77	61	29.93	30.04	9.71	7	2	21	12			89	72	77	57	29.91	30.03	9.55	6	2	23	13			90	71	77	56	29.90	30.01	9.48	6	2	16	14			90	71	77	57	29.88	30.00	9.29	7	3	12	15			90	71	77	57	29.87	29.98	9.61	8	5	13	16			89	72	77	60	29.85	29.97	9.65	9	6	13	17			88	72	77	62	29.85	29.96	9.71	10	8	13	18			87	73	77	67	29.85	29.96	9.65	10	9	13	19			84	74	77	73	29.85	29.96	9.66	8	7	14	20			82	74	76	77	29.86	29.97	9.65	7	6	15	21			81	74	76	80	29.88	29.99	9.90	6	5	16	22			80	74	76	83	29.89	30.00	9.90	6	4	16	23			79	74	75	86	29.89	30.00	9.77	4	3	16	24			78	74
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LEVEL	01			77	74	75	90	29.89	30.00	9.48	3	2	17	02			77	74	75	91	29.88	29.99	9.29	3	1	20	03			76	74	75	93	29.88	29.99	9.19	2	0	0	04			75	74	74	95	29.88	30.00	9.16	2	0	0	05			75	74	74	95	29.89	30.00	9.68	2	0	0	06			75	73	74	96	29.90	30.02	8.26	2	0	0	07			77	75	75	94	29.92	30.03	8.42	2	0	0	08			81	75	77	83	29.93	30.04	9.19	5	1	19	09			84	75	78	75	29.94	30.05	9.71	7	3	20	10			86	73	77	67	29.94	30.05	9.35	6	3	21	11			88	72	77	61	29.93	30.04	9.71	7	2	21	12			89	72	77	57	29.91	30.03	9.55	6	2	23	13			90	71	77	56	29.90	30.01	9.48	6	2	16	14			90	71	77	57	29.88	30.00	9.29	7	3	12	15			90	71	77	57	29.87	29.98	9.61	8	5	13	16			89	72	77	60	29.85	29.97	9.65	9	6	13	17			88	72	77	62	29.85	29.96	9.71	10	8	13	18			87	73	77	67	29.85	29.96	9.65	10	9	13	19			84	74	77	73	29.85	29.96	9.66	8	7	14	20			82	74	76	77	29.86	29.97	9.65	7	6	15	21			81	74	76	80	29.88	29.99	9.90	6	5	16	22			80	74	76	83	29.89	30.00	9.90	6	4	16	23			79	74	75	86	29.89	30.00	9.77	4	3	16	24			78	74	75	88	29.89	30.00	9.71	4	2	17
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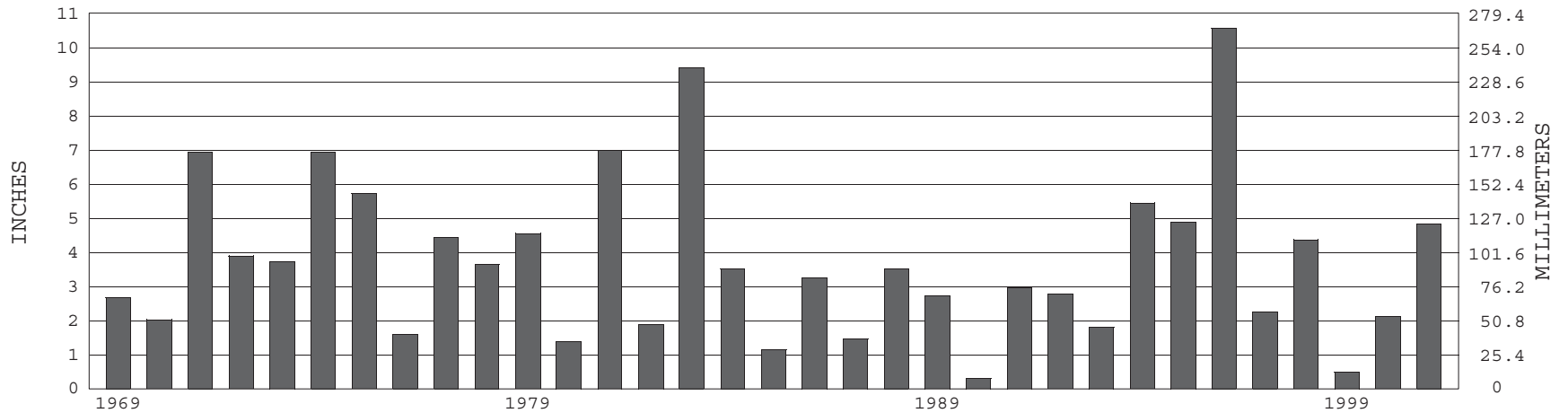
HOUSTON, TX AUGUST TEMPERATURES



+ Extreme Max. ● Mean Max. ▲ Mean × Mean Min. ◆ Extreme Min.

Long-Term (1969-2001) Mean: 83.2 1961-1990 Normal: 82.3

HOUSTON, TX AUGUST PRECIPITATION



Long-Term (1969-2001) Mean Monthly Total: 3.77

1961-1990 Normal: 3.49



**AUGUST 2001
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.

DIRECTOR

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