



APRIL 2002

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

APRIL 2002
HOUSTON, TX

| 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 | 74 | 54 | 64 | -2 | 57 | 59 | 1 | 0 | BR | 0 | | 0.0 | 0.00 | 29.87 | 29.98 | 5.8 | 12 | 7.9 | 18 | 12 | 17 | 13 | 01 | | | | | | | | | | | | | | | | | | |
| 02 | 81 | 57 | 69 | 3 | 63 | 66 | 0 | 4 | FG BR HZ | 0 | | 0.0 | 0.00 | 29.76 | 29.87 | 6.1 | 15 | 6.6 | 18 | 16 | 15 | 14 | 02 | | | | | | | | | | | | | | | | | | |
| 03 | 71 | 57 | 64 | -2 | 51 | 57 | 1 | 0 | | 0 | | 0.0 | 0.00 | 30.02 | 30.13 | 9.6 | 01 | 10.5 | 25 | 04 | 20 | 04 | 03 | | | | | | | | | | | | | | | | | | |
| 04 | 68 | 52* | 60* | -6 | 41 | 50 | 5 | 0 | | 0 | | 0.0 | 0.00 | 30.16 | 30.27 | 8.5 | 05 | 8.8 | 25 | 03 | 15 | 08 | 04 | | | | | | | | | | | | | | | | | | |
| 05 | 73 | 53 | 63 | -4 | 42 | 52 | 2 | 0 | | 0 | | 0.0 | 0.00 | 30.17 | 30.28 | 7.1 | 08 | 8.1 | 24 | 05 | 16 | 09 | 05 | | | | | | | | | | | | | | | | | | |
| 06 | 72 | 54 | 63 | -4 | 45 | 54 | 2 | 0 | TS TSRA RA | 0 | | 0.0 | T | 30.04 | 30.15 | 11.7 | 11 | 12.4 | 29 | 12 | 24 | 11 | 06 | | | | | | | | | | | | | | | | | | |
| 07 | 74 | 62 | 68 | 1 | 65 | 66 | 0 | 3 | TS TSRA RA BR | 0 | | 0.0 | 0.53 | 29.73 | 29.84 | 14.7 | 14 | 15.6 | 31 | 14 | 28* | 15 | 07 | | | | | | | | | | | | | | | | | | |
| 08 | 72 | 61 | 67 | 0 | 62 | 63 | 0 | 2 | TS TSRA RA BR | 0 | | 0.0 | 3.26 | 29.72 | 29.83 | 9.3 | 11 | 10.4 | 31* | 05 | 26 | 08 | 08 | | | | | | | | | | | | | | | | | | |
| 09 | 79 | 62 | 71 | 4 | 62 | 65 | 0 | 6 | FG BR | 0 | | 0.0 | 0.00 | 30.01 | 30.12 | 4.7 | 02 | 5.6 | 15 | 06 | 13 | 04 | 09 | | | | | | | | | | | | | | | | | | |
| 10 | 79 | 62 | 71 | 4 | 62 | 65 | 0 | 6 | BR | 0 | | 0.0 | 0.00 | 30.08 | 30.19 | 3.4 | 08 | 5.1 | 15 | 08 | 13 | 09 | 10 | | | | | | | | | | | | | | | | | | |
| 11 | 80 | 61 | 71 | 4 | 63 | 65 | 0 | 6 | BR | 0 | | 0.0 | 0.00 | 29.96 | 30.07 | 4.1 | 13 | 5.2 | 17 | 12 | 14 | 13 | 11 | | | | | | | | | | | | | | | | | | |
| 12 | 82 | 62 | 72 | 5 | 64 | 67 | 0 | 7 | FG+ BR HZ | 0 | | 0.0 | 0.00 | 29.93 | 30.04 | 4.6 | 13 | 5.3 | 16 | 12 | 14 | 15 | 12 | | | | | | | | | | | | | | | | | | |
| 13 | 82 | 60 | 71 | 3 | 63 | 66 | 0 | 6 | BR | 0 | | 0.0 | 0.00 | 29.91 | 30.02 | 5.9 | 14 | 7.0 | 18 | 13 | 16 | 15 | 13 | | | | | | | | | | | | | | | | | | |
| 14 | 83 | 64 | 74 | 6 | 66 | 68 | 0 | 9 | BR | 0 | | 0.0 | 0.00 | 29.85 | 29.96 | 6.2 | 16 | 6.7 | 22 | 15 | 20 | 14 | 14 | | | | | | | | | | | | | | | | | | |
| 15 | 85 | 69 | 77 | 9 | 67 | 70 | 0 | 12 | | 0 | | 0.0 | 0.00 | 29.83 | 29.94 | 9.8 | 17 | 10.2 | 21 | 16 | 16 | 14 | 15 | | | | | | | | | | | | | | | | | | |
| 16 | 82 | 73 | 78 | 10 | 71 | 73 | 0 | 13 | RA BR | 0 | | 0.0 | T | 29.89 | 30.00 | 12.8 | 17 | 13.1 | 28 | 17 | 20 | 19 | 16 | | | | | | | | | | | | | | | | | | |
| 17 | 85 | 73 | 79 | 10 | 71 | 74 | 0 | 14 | | 0 | | 0.0 | 0.00 | 29.97 | 30.08 | 9.9 | 15 | 10.1 | 21 | 14 | 14 | 13 | 17 | | | | | | | | | | | | | | | | | | |
| 18 | 86 | 70 | 78 | 9 | 69 | 72 | 0 | 13 | BR | 0 | | 0.0 | 0.00 | 29.96 | 30.07 | 9.1 | 15 | 9.8 | 23 | 18 | 15 | 18 | 18 | | | | | | | | | | | | | | | | | | |
| 19 | 87 | 71 | 79 | 10 | 69 | 72 | 0 | 14 | | 0 | | 0.0 | 0.00 | 29.91 | 30.03 | 9.7 | 16 | 10.0 | 21 | 16 | 17 | 16 | 19 | | | | | | | | | | | | | | | | | | |
| 20 | 85 | 72 | 79 | 10 | 69 | 72 | 0 | 14 | | 0 | | 0.0 | 0.00 | 29.84 | 29.95 | 10.5 | 16 | 10.6 | 24 | 15 | 21 | 14 | 20 | | | | | | | | | | | | | | | | | | |
| 21 | 88 | 73 | 81 | 11 | 71 | 73 | 0 | 16 | | 0 | | 0.0 | 0.00 | 29.82 | 29.94 | 7.6 | 17 | 8.1 | 20 | 15 | 16 | 15 | 21 | | | | | | | | | | | | | | | | | | |
| 22 | 86 | 71 | 79 | 9 | 70 | 73 | 0 | 14 | BR HZ | 0 | | 0.0 | 0.00 | 29.91 | 30.03 | 3.8 | 11 | 5.4 | 20 | 09 | 17 | 09 | 22 | | | | | | | | | | | | | | | | | | |
| 23 | 86 | 69 | 78 | 8 | 69 | 72 | 0 | 13 | FG+ BR | 0 | | 0.0 | 0.00 | 29.90 | 30.01 | 7.4 | 14 | 9.0 | 23 | 13 | 20 | 13 | 23 | | | | | | | | | | | | | | | | | | |
| 24 | 88 | 70 | 79 | 9 | 70 | 73 | 0 | 14 | BR | 0 | | 0.0 | 0.00 | 29.87 | 29.98 | 6.4 | 17 | 6.8 | 21 | 15 | 17 | 15 | 24 | | | | | | | | | | | | | | | | | | |
| 25 | 82 | 68 | 75 | 4 | 69 | 71 | 0 | 10 | RA BR | 0 | | 0.0 | T | 29.98 | 30.09 | 7.2 | 05 | 8.0 | 22 | 06 | 18 | 06 | 25 | | | | | | | | | | | | | | | | | | |
| 26 | 84 | 62 | 73 | 2 | 65 | 68 | 0 | 8 | | 0 | | 0.0 | 0.00 | 29.90 | 30.01 | 8.3 | 13 | 10.0 | 23 | 15 | 21 | 14 | 26 | | | | | | | | | | | | | | | | | | |
| 27 | 88 | 74 | 81 | 10 | 71 | 74 | 0 | 16 | | 0 | | 0.0 | 0.00 | 29.78 | 29.90 | 11.4 | 17 | 11.9 | 28 | 17 | 20 | 18 | 27 | | | | | | | | | | | | | | | | | | |
| 28 | 90 | 74 | 82 | 11 | 73 | 75 | 0 | 17 | BR | 0 | | 0.0 | 0.00 | 29.86 | 29.97 | 5.8 | 17 | 6.5 | 17 | 18 | 14 | 17 | 28 | | | | | | | | | | | | | | | | | | |
| 29 | 91* | 74 | 83* | 12 | 73 | 76 | 0 | 18 | HZ | 0 | | 0.0 | 0.00 | 29.84 | 29.95 | 5.9 | 17 | 6.4 | 20 | 16 | 15 | 17 | 29 | | | | | | | | | | | | | | | | | | |
| 30 | 90 | 73 | 82 | 11 | 71 | 74 | 0 | 17 | BR | 0 | | 0.0 | 0.00 | 29.73 | 29.84 | 9.0 | 17 | 9.2 | 23 | 17 | 17 | 17 | 30 | | | | | | | | | | | | | | | | | | |
| < MONTHLY AVERAGES | | | | | | | | | | TOTALS-> | | | | 0.0 | 3.79 | 29.91 | 30.02 | 2.8 | 15 | 8.7 | <- MONTHLY AVERAGES | | | | | | | | | | | | | | | | | | | | |
| 2.7 | | | | | | | | | | 7.3 | | | | 5.0 | | | | <-----DEPARTURE FROM NORMAL-----> | | | | | | | | | | 0.19 | | | | SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3 | | | | | | | | | |
| DEGREE DAYS | | | | | | | | | | GREATEST 24-HR PRECIPITATION: 3.79 DATE: 07-08 | | | | | | | | | | SEA LEVEL PRESSURE | | | | | | | | | | DATE TIME | | | | | | | | | | | |
| MONTHLY TOTAL DEPARTURE | | | | | | | | | | SEASON TO DATE TOTAL DEPARTURE | | | | | | | | | | GREATEST 24-HR SNOWFALL: 0.0 DATE: | | | | | | | | | | MAXIMUM MINIMUM | | | | : 30.35 05 0953 | | | | | | | |
| HEATING: 11 -25 | | | | | | | | | | 1409 -190 | | | | | | | | | | GREATEST SNOW DEPTH: 0 DATE: | | | | | | | | | | : 29.71 07 1953 | | | | | | | | | | | |
| COOLING: 272 125 | | | | | | | | | | 373 127 | | | | | | | | | | NUMBER OF DAYS WITH => | | | | MAXIMUM TEMP ≥ 90: 3 | | | | MINIMUM TEMP ≤ 32: 0 | | | | PRECIPITATION ≥ 0.01 INCH: 2 | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | MAXIMUM TEMP ≤ 32: 0 | | | | MINIMUM TEMP ≤ 0: 0 | | | | PRECIPITATION ≥ 0.10 INCH: 2 | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | THUNDERSTORMS: 3 | | | | HEAVY FOG: 2 | | | | SNOWFALL ≥ 1.0 INCH: 0 | | | | | | | | | | | | | | | |

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

HOUSTON, TX

APRIL 2002

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 | | | | | | | | | | | | 02 | | 0.00 | | |
| 03 | | | | | | | | | | | | | 03 | | | | | | | | | | | | 03 | | 0.00 | | |
| 04 | | | | | | | | | | | | | 04 | | | | | | | | | | | | 04 | | 0.00 | | |
| 05 | | | | | | | | | | | | | 05 | | | | | | | | | | | | 05 | | 0.00 | | |
| 06 | | | | | | | | | | | | | 06 | | | | | | | | | | | | 06 | | T | | |
| 07 | | | | | | | | | | | | | 07 | T | T | T | T | T | 0.01 | T | 0.02 | 0.01 | 0.02 | | 07 | 0.40 | 0.53 | | |
| 08 | 1.37 | 0.13 | 0.18 | 0.02 | 0.64 | 0.59 | 0.34 | 0.06 | 0.06 | | | | 08 | | | | | | | | | | | | 08 | 3.39 | 3.26 | | |
| 09 | | | | | | | | | | | | | 09 | | | | | | | | | | | | 09 | | 0.00 | | |
| 10 | | | | | | | | | | | | | 10 | | | | | | | | | | | | 10 | | 0.00 | | |
| 11 | | | | | | | | | | | | | 11 | | | | | | | | | | | | 11 | | 0.00 | | |
| 12 | | | | | | | | | | | | | 12 | | | | | | | | | | | | 12 | | 0.00 | | |
| 13 | | | | | | | | | | | | | 13 | | | | | | | | | | | | 13 | | 0.00 | | |
| 14 | | | | | | | | | | | | | 14 | | | | | | | | | | | | 14 | | 0.00 | | |
| 15 | | | | | | | | | | | | | 15 | | | | | | | | | | | | 15 | | 0.00 | | |
| 16 | | | | | | | | | | | | | 16 | | | | | | | | | | | | 16 | | T | | |
| 17 | | | | | | | | | | | | | 17 | | | | | | | | | | | | 17 | | 0.00 | | |
| 18 | | | | | | | | | | | | | 18 | | | | | | | | | | | | 18 | | 0.00 | | |
| 19 | | | | | | | | | | | | | 19 | | | | | | | | | | | | 19 | | 0.00 | | |
| 20 | | | | | | | | | | | | | 20 | | | | | | | | | | | | 20 | | 0.00 | | |
| 21 | | | | | | | | | | | | | 21 | | | | | | | | | | | | 21 | | 0.00 | | |
| 22 | | | | | | | | | | | | | 22 | | | | | | | | | | | | 22 | | 0.00 | | |
| 23 | | | | | | | | | | | | | 23 | | | | | | | | | | | | 23 | | 0.00 | | |
| 24 | | | | | | | | | | | | | 24 | | | | | | | | | | | | 24 | | 0.00 | | |
| 25 | | | | | | | | | | | | | 25 | | | | | | | | | | | | 25 | | T | | |
| 26 | | | | | | | | | | | | | 26 | | | | | | | | | | | | 26 | | 0.00 | | |
| 27 | | | | | | | | | | | | | 27 | | | | | | | | | | | | 27 | | 0.00 | | |
| 28 | | | | | | | | | | | | | 28 | | | | | | | | | | | | 28 | | 0.00 | | |
| 29 | | | | | | | | | | | | | 29 | | | | | | | | | | | | 29 | | 0.00 | | |
| 30 | | | | | | | | | | | | | 30 | | | | | | | | | | | | 30 | | 0.00 | | |

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

| Time Period (Minutes) | 5 | 10 | 15 | 20 | 30 | 45 | 60 | 80 | 100 | 120 | 150 | 180 |
|------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Precipitation (Inches) | .26 | .47 | .64 | .76 | 1.01 | 1.43 | 1.63 | 1.74 | 1.79 | 1.81 | 1.90 | 1.97 |
| Ending Date | 08 | 08 | 08 | 08 | 08 | 08 | 08 | 08 | 08 | 08 | 08 | 08 |
| Ending Time (Hour/Min) | 0017 | 0019 | 0023 | 0028 | 0031 | 0028 | 0043 | 0103 | 0115 | 0142 | 0211 | 0242 |

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 1971–2000

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 APRIL 2002

Ceilorometer (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 | | | | | | | 3.00 | 10.00 | |
| 02 | | | | | | | .00 | 10.00 | |
| 03 | | | | | | | 8.00 | 10.00 | |
| 04 | | | | | | | 10.00 | 10.00 | |
| 05 | | | | | | | 9.00 | 10.00 | |
| 06 | | | | | | | 10.00 | 10.00 | |
| 07 | | | | | | | 1.00 | 10.00 | |
| 08 | | | | | | | .50 | 10.00 | |
| 09 | | | | | | | .50 | 10.00 | |
| 10 | | | | | | | 4.00 | 10.00 | |
| 11 | | | | | | | 3.00 | 10.00 | |
| 12 | | | | | | | <.25 | 10.00 | |
| 13 | | | | | | | 3.00 | 10.00 | |
| 14 | | | | | | | 5.00 | 10.00 | |
| 15 | | | | | | | 8.00 | 10.00 | |
| 16 | | | | | | | 6.00 | 10.00 | |
| 17 | | | | | | | 7.00 | 10.00 | |
| 18 | | | | | | | 4.00 | 10.00 | |
| 19 | | | | | | | 7.00 | 10.00 | |
| 20 | | | | | | | 7.00 | 10.00 | |
| 21 | | | | | | | 9.00 | 10.00 | |
| 22 | | | | | | | 3.00 | 10.00 | |
| 23 | | | | | | | .25 | 10.00 | |
| 24 | | | | | | | 6.00 | 10.00 | |
| 25 | | | | | | | 1.50 | 10.00 | |
| 26 | | | | | | | 7.00 | 10.00 | |
| 27 | | | | | | | 7.00 | 10.00 | |
| 28 | | | | | | | 6.00 | 10.00 | |
| 29 | | | | | | | 5.00 | 10.00 | |
| 30 | | | | | | | 5.00 | 10.00 | |
| MONTHLY AVGS | | | | | | | 5.14 | 10.00 | |
| SUNSHINE (MINUTES) | | | | | | | | | |
| Total: Possible: Percent Possible: | | | | | | | | | |
| NUMBER OF DAYS WITH: | | | | | | | | | |
| SKY CONDITION | | | | | | | | | |
| CLR PTLY CLDY CLOUDY MISSING 30 | | | | | | | | | |
| MINIMUM VISIBILITY (MILES) | | | | | | | | | |
| <=0.25 <=3.0 >=7.0 2 9 12 | | | | | | | | | |

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX

APRIL 2002

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 | 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: 0611 | | | | APR 01 | SUNSET: 1840 | | | | SUNRISE: 0604 | | | | APR 07 | SUNSET: 1843 | | | | | | | | | | | | | |
| 03 | FEW | NC | 9.00 | | 55 | 53 | 54 | 93 | 6 | 04 | 29.91 | 30.02 | 03 | OVC | 019 | 10.00 | 65 | 59 | 61 | 81 | 13 | 13 | 29.81 | 29.93 | | | |
| 06 | BKN | 006 | 10.00 | | 54 | 53 | 53 | 97 | 8 | 07 | 29.90 | 30.01 | 06 | OVC | 014 | 10.00 | 66 | 62 | 64 | 87 | 10 | 13 | 29.81 | 29.92 | | | |
| 09 | OVC | 010 | 10.00 | | 60 | 56 | 58 | 86 | 10 | 12 | 29.94 | 30.06 | 09 | OVC | 017 | 10.00 | 70 | 64 | 66 | 82 | 18 | 13 | 29.80 | 29.91 | | | |
| 12 | SCT | NC | 7.00 | | 67 | 58 | 62 | 73 | 7 | 15 | 29.91 | 30.03 | 12 | OVC | 027 | 10.00 | 73 | 65 | 68 | 76 | 20 | 14 | 29.74 | 29.86 | | | |
| 15 | SCT | NC | 7.00 | | 73 | 60 | 65 | 64 | 8 | 13 | 29.83 | 29.94 | 15 | OVC | 027 | 10.00 | -RA | 74 | 65 | 68 | 74 | 16 | 14 | 29.67 | 29.78 | | |
| 18 | BKN | 250 | 9.00 | | 70 | 60 | 64 | 71 | 16 | 13 | 29.79 | 29.91 | 18 | OVC | 017 | 4.00 | -RA BR | 70 | 68 | 69 | 93 | 14 | 14 | 29.61 | 29.72 | | |
| 21 | SCT | NC | 8.00 | | 64 | 60 | 62 | 87 | 10 | 15 | 29.81 | 29.92 | 21 | OVC | 015 | 9.00 | -RA | 72 | 69 | 70 | 91 | 16 | 16 | 29.62 | 29.74 | | |
| 24 | FEW | NC | 3.00 | BR | 60 | 59 | 59 | 96 | 0 | 00 | 29.80 | 29.91 | 24 | OVC | 018 | 1.00 | +TSRA BR | 62 | 61 | 61 | 96 | 7 | 32 | 29.72 | 29.83 | | |
| SUNRISE: 0610 | | | | APR 02 | SUNSET: 1840 | | | | SUNRISE: 0603 | | | | APR 08 | SUNSET: 1844 | | | | | | | | | | | | | |
| 03 | OVC | 002 | 0.00 | BR | 60 | 60 | 60 | 100 | 0 | 00 | 29.76 | 29.87 | 03 | OVC | 006 | 7.00 | -TSRA | 62 | 61 | 61 | 96 | 9 | 15 | 29.70 | 29.81 | | |
| 06 | OVC | 003 | 0.25 | FG | 64 | 63 | 63 | 96 | 0 | 00 | 29.75 | 29.86 | 06 | OVC | 005 | 2.00 | +TSRA | 61 | 61 | 61 | 100 | 9 | 10 | 29.76 | 29.87 | | |
| 09 | BKN | 007 | 2.00 | BR | 68 | 65 | 66 | 90 | 10 | 15 | 29.76 | 29.87 | 09 | OVC | 048 | 10.00 | | 61 | 59 | 60 | 93 | 14 | 09 | 29.65 | 29.77 | | |
| 12 | BKN | 033 | 9.00 | | 75 | 61 | 66 | 62 | 9 | 16 | 29.74 | 29.85 | 12 | OVC | 011 | 10.00 | | 64 | 61 | 62 | 90 | 15 | 13 | 29.70 | 29.81 | | |
| 15 | BKN | 043 | 10.00 | | 81 | 63 | 69 | 54 | 8 | 08 | 29.70 | 29.82 | 15 | BKN | 021 | 10.00 | | 70 | 62 | 65 | 76 | 13 | 14 | 29.67 | 29.78 | | |
| 18 | SCT | NC | 10.00 | | 77 | 65 | 69 | 66 | 12 | 12 | 29.73 | 29.84 | 18 | BKN | 250 | 10.00 | | 69 | 63 | 65 | 81 | 12 | 12 | 29.71 | 29.83 | | |
| 21 | FEW | NC | 10.00 | | 68 | 64 | 66 | 87 | 3 | 17 | 29.80 | 29.92 | 21 | FEW | NC | 8.00 | | 65 | 63 | 64 | 93 | 8 | 11 | 29.77 | 29.89 | | |
| 24 | FEW | NC | 8.00 | | 65 | 64 | 64 | 97 | 0 | 00 | 29.84 | 29.95 | 24 | OVC | 003 | 2.00 | BR | 64 | 64 | 64 | 100 | 5 | 08 | 29.85 | 29.96 | | |
| SUNRISE: 0609 | | | | APR 03 | SUNSET: 1841 | | | | SUNRISE: 0602 | | | | APR 09 | SUNSET: 1844 | | | | | | | | | | | | | |
| 03 | BKN | 250 | 9.00 | | 66 | 64 | 65 | 93 | 8 | 34 | 29.88 | 29.99 | 03 | OVC | 002 | 1.50 | BR | 64 | 63 | 63 | 96 | 7 | 33 | 29.89 | 30.01 | | |
| 06 | BKN | 250 | 10.00 | | 58 | 50 | 54 | 75 | 8 | 33 | 29.96 | 30.08 | 06 | VV | 001 | 0.75 | BR | 62 | 62 | 62 | 100 | 7 | 35 | 29.94 | 30.05 | | |
| 09 | OVC | 075 | 10.00 | | 60 | 49 | 54 | 67 | 10 | 35 | 30.04 | 30.16 | 09 | OVC | 009 | 7.00 | | 65 | 63 | 64 | 93 | 8 | 01 | 30.02 | 30.14 | | |
| 12 | OVC | 250 | 10.00 | | 67 | 51 | 58 | 57 | 15 | 03 | 30.05 | 30.17 | 12 | BKN | 250 | 10.00 | | 74 | 61 | 66 | 64 | 5 | VR | 30.04 | 30.15 | | |
| 15 | OVC | 034 | 10.00 | | 70 | 52 | 60 | 53 | 13 | 35 | 30.02 | 30.13 | 15 | BKN | 050 | 10.00 | | 78 | 62 | 68 | 58 | 0 | 00 | 30.01 | 30.13 | | |
| 18 | OVC | 039 | 10.00 | | 65 | 49 | 56 | 56 | 9 | 36 | 30.05 | 30.16 | 18 | BKN | 040 | 10.00 | | 74 | 64 | 68 | 71 | 6 | 35 | 30.03 | 30.15 | | |
| 21 | OVC | 050 | 10.00 | | 60 | 47 | 53 | 62 | 10 | 04 | 30.09 | 30.21 | 21 | SCT | NC | 10.00 | | 67 | 61 | 63 | 81 | 3 | 36 | 30.10 | 30.22 | | |
| 24 | BKN | 090 | 10.00 | | 57 | 43 | 50 | 60 | 9 | 04 | 30.11 | 30.22 | 24 | SCT | NC | 9.00 | | 63 | 61 | 62 | 93 | 3 | 05 | 30.10 | 30.21 | | |
| SUNRISE: 0607 | | | | APR 04 | SUNSET: 1841 | | | | SUNRISE: 0600 | | | | APR 10 | SUNSET: 1845 | | | | | | | | | | | | | |
| 03 | OVC | 047 | 10.00 | | 55 | 41 | 48 | 59 | 12 | 04 | 30.12 | 30.24 | 03 | BKN | 040 | 7.00 | | 63 | 61 | 62 | 93 | 3 | 01 | 30.09 | 30.20 | | |
| 06 | OVC | 036 | 10.00 | | 53 | 38 | 46 | 57 | 12 | 03 | 30.16 | 30.27 | 06 | OVC | 065 | 5.00 | BR | 62 | 61 | 61 | 96 | 3 | 01 | 30.13 | 30.24 | | |
| 09 | OVC | 042 | 10.00 | | 56 | 39 | 48 | 53 | 14 | 04 | 30.19 | 30.31 | 09 | BKN | 250 | 8.00 | | 67 | 61 | 63 | 81 | 7 | 07 | 30.15 | 30.27 | | |
| 12 | BKN | 130 | 10.00 | | 64 | 41 | 52 | 43 | 14 | 08 | 30.18 | 30.29 | 12 | BKN | 250 | 10.00 | | 75 | 63 | 67 | 66 | 6 | 06 | 30.11 | 30.23 | | |
| 15 | OVC | 049 | 10.00 | | 67 | 40 | 53 | 37 | 0 | 00 | 30.15 | 30.26 | 15 | BKN | 250 | 10.00 | | 78 | 60 | 67 | 54 | 6 | VR | 30.04 | 30.16 | | |
| 18 | BKN | 090 | 10.00 | | 64 | 42 | 53 | 45 | 7 | 04 | 30.14 | 30.26 | 18 | OVC | 250 | 10.00 | | 75 | 63 | 67 | 66 | 7 | 08 | 30.01 | 30.12 | | |
| 21 | SCT | NC | 10.00 | | 58 | 44 | 51 | 60 | 8 | 05 | 30.16 | 30.28 | 21 | SCT | NC | 10.00 | | 71 | 64 | 67 | 79 | 8 | 15 | 30.04 | 30.15 | | |
| 24 | SCT | NC | 10.00 | | 52 | 46 | 49 | 80 | 0 | 00 | 30.19 | 30.30 | 24 | BKN | 250 | 9.00 | | 64 | 63 | 63 | 96 | 0 | 00 | 30.04 | 30.15 | | |
| SUNRISE: 0606 | | | | APR 05 | SUNSET: 1842 | | | | SUNRISE: 0559 | | | | APR 11 | SUNSET: 1846 | | | | | | | | | | | | | |
| 03 | OVC | 050 | 10.00 | | 56 | 43 | 50 | 62 | 7 | 08 | 30.19 | 30.31 | 03 | BKN | 250 | 8.00 | | 62 | 61 | 61 | 96 | 0 | 00 | 29.99 | 30.11 | | |
| 06 | OVC | 046 | 10.00 | | 55 | 39 | 47 | 55 | 9 | 07 | 30.20 | 30.32 | 06 | OVC | 250 | 3.00 | BR | 61 | 61 | 61 | 100 | 0 | 00 | 29.99 | 30.10 | | |
| 09 | OVC | 050 | 10.00 | | 58 | 36 | 48 | 44 | 13 | 07 | 30.23 | 30.35 | 09 | BKN | 250 | 7.00 | | 70 | 65 | 67 | 84 | 5 | 03 | 30.01 | 30.12 | | |
| 12 | SCT | NC | 10.00 | | 67 | 35 | 51 | 31 | 13 | 08 | 30.20 | 30.32 | 12 | BKN | 250 | 10.00 | | 76 | 61 | 67 | 60 | 9 | 13 | 29.98 | 30.10 | | |
| 15 | OVC | 070 | 10.00 | | 70 | 41 | 55 | 35 | 5 | 16 | 30.13 | 30.24 | 15 | SCT | NC | 10.00 | | 79 | 60 | 67 | 52 | 7 | VR | 29.91 | 30.02 | | |
| 18 | SCT | NC | 10.00 | | 70 | 44 | 56 | 39 | 6 | 07 | 30.09 | 30.20 | 18 | BKN | 250 | 10.00 | | 77 | 62 | 68 | 60 | 12 | 12 | 29.88 | 29.99 | | |
| 21 | SCT | NC | 10.00 | | 59 | 49 | 54 | 69 | 0 | 00 | 30.12 | 30.23 | 21 | FEW | NC | 9.00 | | 70 | 66 | 67 | 87 | 10 | 14 | 29.91 | 30.03 | | |
| 24 | OVC | 070 | 10.00 | | 58 | 52 | 55 | 81 | 6 | 07 | 30.12 | 30.24 | 24 | SCT | NC | 7.00 | | 64 | 64 | 64 | 100 | 0 | 00 | 29.92 | 30.03 | | |
| SUNRISE: 0605 | | | | APR 06 | SUNSET: 1843 | | | | SUNRISE: 0558 | | | | APR 12 | SUNSET: 1846 | | | | | | | | | | | | | |
| 03 | BKN | 095 | 10.00 | | 58 | 45 | 51 | 62 | 15 | 08 | 30.08 | 30.20 | 03 | SCT | NC | 4.00 | BR | 65 | 64 | 64 | 97 | 3 | 14 | 29.90 | 30.01 | | |
| 06 | OVC | 110 | 10.00 | | 54 | 39 | 47 | 57 | 7 | 08 | 30.11 | 30.22 | 06 | OVC | 005 | <.25 | BR | 64 | 64 | 64 | 100 | 0 | 00 | 29.93 | 30.04 | | |
| 09 | BKN | 075 | 10.00 | | 62 | 39 | 51 | 43 | 15 | 09 | 30.08 | 30.19 | 09 | OVC | 014 | 6.00 | BR | 68 | 63 | 65 | 84 | 8 | 14 | 29.97 | 30.09 | | |
| 12 | OVC | 110 | 10.00 | | 69 | 47 | 57 | 45 | 15 | 11 | 30.06 | 30.17 | 12 | FEW | NC | 7.00 | | 76 | 64 | 68 | 67 | 8 | 11 | 29.95 | 30.06 | | |
| 15 | OVC | 080 | 10.00 | | 68 | 44 | 55 | 42 | 17 | 11 | 29.98 | 30.09 | 15 | SCT | NC | 10.00 | | 82 | 62 | 69 | 51 | 7 | 06 | 29.89 | 30.01 | | |
| 18 | OVC | 085 | 10.00 | -RA | 65 | 46 | 55 | 51 | 12 | 11 | 29.95 | 30.07 | 18 | SCT | NC | 10.00 | | 79 | 65 | 70 | 62 | 13 | 12 | 29.88 | 29.99 | | |
| 21 | OVC | 090 | 10.00 | | 62 | 50 | 56 | 65 | 8 | 12 | 29.97 | 30.09 | 21 | FEW | NC | 10.00 | | 71 | 66 | 68 | 84 | 8 | 16 | 29.93 | 30.04 | | |
| 24 | BKN | 110 | 10.00 | | 63 | 55 | 58 | 76 | 9 | 13 | 29.92 | 30.03 | 24 | CLR | NC | 9.00 | | 64 | 64 | 64 | 100 | 0 | 00 | 29.94 | 30.05 | | |

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX

APRIL 2002

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: 0557 APR 13 SUNSET: 1847 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 03 | FEW | NC | | | 8.00 | 62 | 62 | 62 | 100 | 0 | 00 | 29.90 | 30.01 | 03 | BKN | 014 | | | 8.00 | 71 | 70 | 70 | 95 | 7 | 15 | 29.89 | 30.01 | | |
| 06 | BKN | 250 | | BR | 4.00 | 61 | 61 | 61 | 100 | 0 | 00 | 29.93 | 30.05 | 06 | BKN | 012 | | | 7.00 | 72 | 70 | 71 | 95 | 9 | 15 | 29.90 | 30.01 | | |
| 09 | SCT | NC | | | 10.00 | 72 | 65 | 68 | 79 | 7 | 11 | 29.94 | 30.06 | 09 | BKN | 250 | | | 10.00 | 77 | 68 | 71 | 74 | 12 | 17 | 29.95 | 30.06 | | |
| 12 | SCT | NC | | | 10.00 | 78 | 63 | 68 | 60 | 10 | 15 | 29.93 | 30.04 | 12 | BKN | 250 | | | 8.00 | 84 | 65 | 71 | 53 | 9 | 16 | 29.94 | 30.05 | | |
| 15 | SCT | NC | | | 10.00 | 82 | 64 | 70 | 55 | 13 | 13 | 29.88 | 29.99 | 15 | BKN | 250 | | | 10.00 | 87 | 67 | 74 | 51 | 10 | 16 | 29.89 | 30.00 | | |
| 18 | BKN | 250 | | | 10.00 | 79 | 61 | 68 | 54 | 12 | 14 | 29.88 | 30.00 | 18 | BKN | 250 | | | 10.00 | 80 | 68 | 72 | 67 | 17 | 16 | 29.88 | 29.99 | | |
| 21 | SCT | NC | | | 10.00 | 71 | 65 | 67 | 81 | 9 | 17 | 29.88 | 30.00 | 21 | BKN | 250 | | | 10.00 | 75 | 69 | 71 | 82 | 7 | 15 | 29.90 | 30.02 | | |
| 24 | FEW | NC | | | 10.00 | 68 | 66 | 67 | 93 | 7 | 20 | 29.85 | 29.96 | 24 | BKN | 250 | | | 10.00 | 74 | 71 | 72 | 91 | 9 | 14 | 29.90 | 30.01 | | |
| SUNRISE: 0556 APR 14 SUNSET: 1847 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 03 | BKN | 014 | | | 7.00 | 66 | 65 | 65 | 96 | 3 | 20 | 29.85 | 29.97 | 03 | BKN | 250 | | | 10.00 | 73 | 71 | 72 | 94 | 7 | 16 | 29.87 | 29.98 | | |
| 06 | OVC | 012 | | BR | 5.00 | 65 | 65 | 65 | 100 | 0 | 00 | 29.90 | 30.02 | 06 | BKN | 011 | | | 8.00 | 72 | 71 | 71 | 97 | 5 | 15 | 29.86 | 29.98 | | |
| 09 | SCT | NC | | | 10.00 | 72 | 66 | 68 | 82 | 7 | 15 | 29.91 | 30.02 | 09 | BKN | 250 | | | 10.00 | 77 | 70 | 72 | 79 | 8 | 17 | 29.90 | 30.01 | | |
| 12 | BKN | 041 | | | 10.00 | 80 | 63 | 69 | 56 | 7 | 16 | 29.88 | 29.99 | 12 | BKN | 034 | | | 10.00 | 83 | 68 | 73 | 61 | 14 | 16 | 29.87 | 29.98 | | |
| 15 | OVC | 250 | | | 10.00 | 82 | 67 | 72 | 60 | 16 | 15 | 29.81 | 29.93 | 15 | BKN | 040 | | | 10.00 | 84 | 68 | 73 | 59 | 17 | 15 | 29.80 | 29.91 | | |
| 18 | BKN | 130 | | | 10.00 | 78 | 68 | 71 | 71 | 16 | 14 | 29.78 | 29.90 | 18 | BKN | 250 | | | 10.00 | 80 | 67 | 71 | 64 | 13 | 17 | 29.78 | 29.89 | | |
| 21 | BKN | 130 | | | 10.00 | 71 | 67 | 68 | 87 | 8 | 17 | 29.82 | 29.94 | 21 | SCT | NC | | | 10.00 | 75 | 70 | 72 | 84 | 10 | 16 | 29.81 | 29.92 | | |
| 24 | SCT | NC | | | 10.00 | 70 | 67 | 68 | 90 | 5 | 17 | 29.81 | 29.93 | 24 | BKN | 015 | | | 10.00 | 74 | 71 | 72 | 91 | 8 | 16 | 29.79 | 29.91 | | |
| SUNRISE: 0555 APR 15 SUNSET: 1848 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 03 | OVC | 013 | | | 10.00 | 70 | 68 | 69 | 93 | 8 | 18 | 29.80 | 29.91 | 03 | OVC | 021 | | | 10.00 | 74 | 71 | 72 | 91 | 9 | 17 | 29.77 | 29.89 | | |
| 06 | OVC | 029 | | | 10.00 | 71 | 68 | 69 | 90 | 7 | 16 | 29.82 | 29.93 | 06 | OVC | 036 | | | 9.00 | 74 | 71 | 72 | 91 | 9 | 17 | 29.79 | 29.90 | | |
| 09 | OVC | 015 | | | 10.00 | 76 | 68 | 71 | 77 | 12 | 17 | 29.85 | 29.96 | 09 | OVC | 035 | | | 10.00 | 78 | 71 | 73 | 79 | 9 | 17 | 29.86 | 29.97 | | |
| 12 | BKN | 250 | | | 10.00 | 82 | 65 | 71 | 56 | 12 | 14 | 29.85 | 29.96 | 12 | BKN | 038 | | | 10.00 | 84 | 69 | 74 | 61 | 8 | 22 | 29.84 | 29.96 | | |
| 15 | BKN | 250 | | | 10.00 | 85 | 61 | 70 | 45 | 14 | 18 | 29.80 | 29.92 | 15 | BKN | 042 | | | 10.00 | 85 | 69 | 74 | 59 | 8 | 19 | 29.79 | 29.91 | | |
| 18 | OVC | 250 | | | 10.00 | 78 | 66 | 70 | 67 | 13 | 16 | 29.79 | 29.91 | 18 | BKN | 250 | | | 10.00 | 82 | 70 | 74 | 67 | 7 | VR | 29.80 | 29.92 | | |
| 21 | BKN | 250 | | | 10.00 | 75 | 71 | 72 | 87 | 10 | 15 | 29.83 | 29.94 | 21 | SCT | NC | | | 10.00 | 77 | 71 | 73 | 82 | 5 | 17 | 29.87 | 29.98 | | |
| 24 | SCT | NC | | | 10.00 | 73 | 69 | 70 | 87 | 8 | 16 | 29.86 | 29.97 | 24 | BKN | 250 | | | 10.00 | 74 | 71 | 72 | 91 | 0 | 00 | 29.89 | 30.00 | | |
| SUNRISE: 0554 APR 16 SUNSET: 1849 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 03 | OVC | 023 | | | 8.00 | 73 | 70 | 71 | 89 | 8 | 16 | 29.82 | 29.93 | 03 | OVC | 010 | | | 10.00 | 74 | 72 | 73 | 94 | 3 | VR | 29.89 | 30.01 | | |
| 06 | OVC | 013 | | BR | 6.00 | 75 | 72 | 73 | 89 | 9 | 16 | 29.86 | 29.98 | 06 | BKN | 006 | | | 5.00 | 71 | 70 | 70 | 96 | 0 | 00 | 29.93 | 30.04 | | |
| 09 | OVC | 016 | | | 10.00 | 78 | 72 | 74 | 81 | 15 | 17 | 29.90 | 30.02 | 09 | OVC | 022 | | | 8.00 | 77 | 71 | 73 | 82 | 0 | 00 | 29.95 | 30.06 | | |
| 12 | OVC | 025 | | | 10.00 | 79 | 71 | 74 | 77 | 17 | 18 | 29.90 | 30.02 | 12 | OVC | 034 | | | 9.00 | 82 | 69 | 73 | 65 | 5 | VR | 29.95 | 30.06 | | |
| 15 | OVC | 032 | | | 10.00 | 80 | 70 | 73 | 71 | 20 | 19 | 29.88 | 30.00 | 15 | BKN | 250 | | HZ | 5.00 | 85 | 69 | 74 | 59 | 6 | 13 | 29.87 | 29.99 | | |
| 18 | BKN | 055 | | | 10.00 | 79 | 69 | 72 | 72 | 15 | 16 | 29.89 | 30.00 | 18 | OVC | 075 | | | 10.00 | 82 | 72 | 75 | 72 | 13 | 13 | 29.87 | 29.98 | | |
| 21 | BKN | 250 | | | 10.00 | 76 | 70 | 72 | 82 | 12 | 16 | 29.92 | 30.04 | 21 | BKN | 035 | | | 10.00 | 75 | 69 | 71 | 82 | 8 | 12 | 29.92 | 30.04 | | |
| 24 | OVC | 023 | | | 10.00 | 75 | 73 | 74 | 93 | 12 | 17 | 29.95 | 30.07 | 24 | SCT | NC | | | 10.00 | 72 | 70 | 71 | 94 | 7 | 17 | 29.90 | 30.01 | | |
| SUNRISE: 0553 APR 17 SUNSET: 1849 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 03 | OVC | 013 | | | 9.00 | 75 | 73 | 74 | 94 | 9 | 16 | 29.92 | 30.04 | 03 | BKN | 250 | | | 10.00 | 72 | 70 | 71 | 94 | 0 | 00 | 29.90 | 30.01 | | |
| 06 | OVC | 022 | | | 8.00 | 74 | 72 | 73 | 94 | 9 | 14 | 29.96 | 30.08 | 06 | OVC | 250 | | BR | 6.00 | 70 | 69 | 69 | 97 | 5 | 01 | 29.93 | 30.04 | | |
| 09 | BKN | 020 | | | 10.00 | 78 | 69 | 72 | 75 | 9 | 15 | 30.00 | 30.12 | 09 | BKN | 250 | | | 9.00 | 77 | 70 | 72 | 79 | 9 | 15 | 29.93 | 30.04 | | |
| 12 | BKN | 024 | | | 9.00 | 85 | 70 | 75 | 60 | 14 | 13 | 29.99 | 30.11 | 12 | BKN | 250 | | | 10.00 | 82 | 66 | 71 | 58 | 10 | 15 | 29.91 | 30.03 | | |
| 15 | BKN | 028 | | | 10.00 | 85 | 70 | 75 | 62 | 14 | 15 | 29.96 | 30.08 | 15 | BKN | 060 | | | 10.00 | 83 | 69 | 74 | 63 | 16 | 13 | 29.86 | 29.98 | | |
| 18 | SCT | NC | | | 10.00 | 79 | 71 | 73 | 76 | 8 | 12 | 29.95 | 30.06 | 18 | OVC | 130 | | | 10.00 | 79 | 70 | 73 | 74 | 17 | 13 | 29.86 | 29.97 | | |
| 21 | FEW | NC | | | 8.00 | 75 | 74 | 74 | 96 | 9 | 15 | 29.98 | 30.10 | 21 | BKN | 130 | | | 10.00 | 75 | 70 | 72 | 84 | 8 | 16 | 29.88 | 30.00 | | |
| 24 | FEW | NC | | | 9.00 | 73 | 71 | 72 | 94 | 8 | 15 | 29.99 | 30.10 | 24 | SCT | NC | | | 10.00 | 73 | 71 | 72 | 94 | 7 | 17 | 29.88 | 29.99 | | |
| SUNRISE: 0552 APR 18 SUNSET: 1850 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 03 | BKN | 017 | | | 8.00 | 73 | 72 | 72 | 94 | 6 | 15 | 29.96 | 30.08 | 03 | BKN | 250 | | | 10.00 | 72 | 71 | 71 | 97 | 5 | 17 | 29.82 | 29.93 | | |
| 06 | FEW | NC | | BR | 4.00 | 70 | 70 | 70 | 100 | 0 | 00 | 29.97 | 30.09 | 06 | BKN | 010 | | | 7.00 | 71 | 71 | 71 | 100 | 3 | 18 | 29.86 | 29.97 | | |
| 09 | BKN | 250 | | | 10.00 | 78 | 69 | 72 | 74 | 14 | 17 | 29.99 | 30.10 | 09 | BKN | 022 | | | 10.00 | 78 | 70 | 73 | 76 | 9 | 16 | 29.89 | 30.01 | | |
| 12 | BKN | 040 | | | 10.00 | 85 | 66 | 72 | 53 | 14 | 18 | 29.97 | 30.09 | 12 | SCT | NC | | | 10.00 | 84 | 67 | 73 | 57 | 7 | 16 | 29.88 | 30.00 | | |
| 15 | BKN | 250 | | | 10.00 | 85 | 66 | 72 | 54 | 12 | 15 | 29.92 | 30.03 | 15 | SCT | NC | | | 10.00 | 86 | 66 | 73 | 51 | 9 | 18 | 29.82 | 29.94 | | |
| 18 | SCT | NC | | | 10.00 | 78 | 68 | 71 | 72 | 12 | 12 | 29.90 | 30.02 | 18 | BKN | 250 | | | 10.00 | 83 | 72 | 75 | 70 | 10 | 17 | 29.81 | 29.93 | | |
| 21 | FEW | NC | | | 10.00 | 74 | 69 | 70 | 83 | 14 | 14 | 29.94 | 30.06 | 21 | BKN | 250 | | | 10.00 | 77 | 73 | 74 | 88 | 5 | 17 | 29.90 | 30.01 | | |
| 24 | BKN | 014 | | | 9.00 | 73 | 70 | 71 | 90 | 7 | 15 | 29.94 | 30.05 | 24 | SCT | NC | | | 10.00 | 74 | 72 | 73 | 94 | 3 | 16 | 29.94 | 30.05 | | |

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUSTON, TX

APRIL 2002

IAH

WBAN # 12960

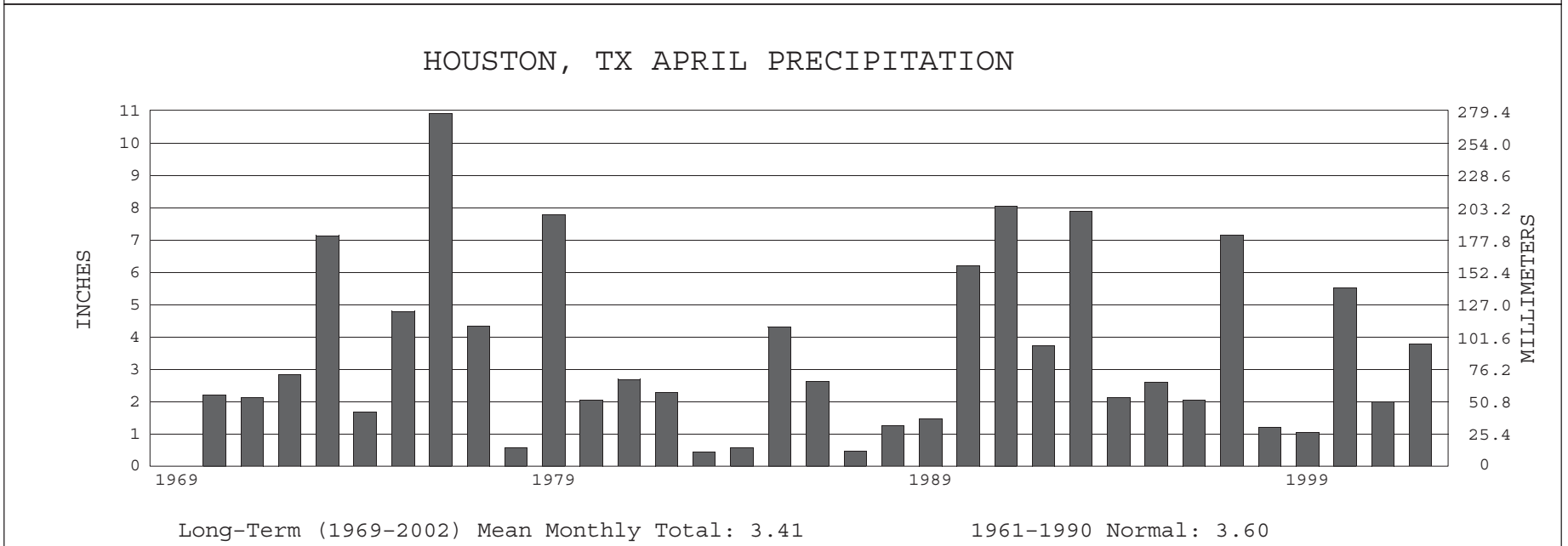
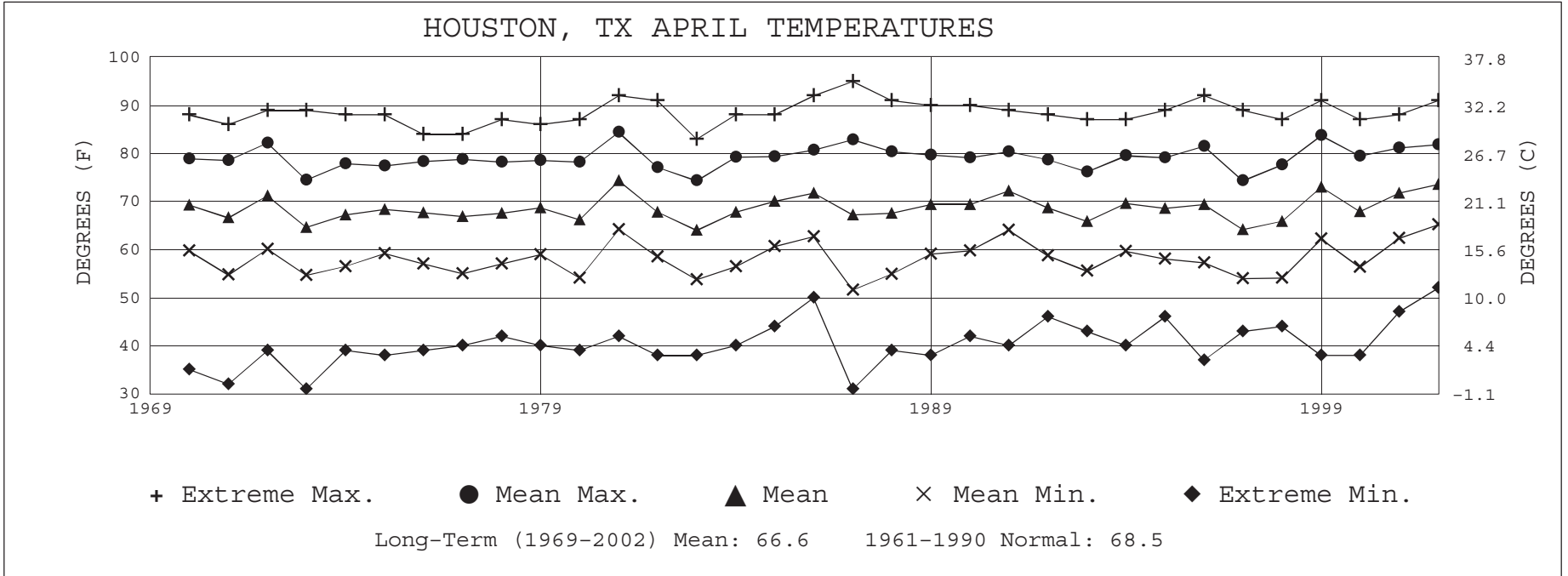
| HOUR (LST) | SATELLITE | | WEATHER | TEMPERATURE °F | | | WIND | | PRESSURE (INCHES, HG) | | HOUR (LST) | SATELLITE | | WEATHER | TEMPERATURE °F | | | WIND | | PRESSURE (INCHES, HG) | | | | | |
|---------------|-----------|---------------------|---------|------------------------|-------------------|--------------------|----------|--------------|-----------------------|-------------------------|------------|-----------------|-----------------------|---------|----------------|-----------|------------------------|-------------------|--------------------|-----------------------|-----------|----------|-------------------------|-------------|-----------------------|
| | 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 | OBSERVATION TIME (LST) | EFF CLD AMT Oktas | VISIBILITY (MILES) | DRY BULB | DEW POINT | WET BULB | RELATIVE HUMIDITY (PCT) | SPEED (MPH) | DIRECTION TENS OF DEG |
| SUNRISE: 0544 | | | | APR 25 | | | | SUNSET: 1854 | | | | SUNRISE: APR 31 | | | | SUNSET: | | | | | | | | | |
| 03 | SCT | NC | | 10.00 | BR | 73 | 73 | 73 | 100 | 0 | 00 | 29.95 | 30.06 | | | | | | | | | | | | |
| 06 | OVC | 070 | | 5.00 | | 73 | 72 | 72 | 96 | 3 | 01 | 29.98 | 30.10 | | | | | | | | | | | | |
| 09 | BKN | 250 | | 7.00 | | 77 | 73 | 74 | 88 | 3 | 34 | 30.02 | 30.14 | | | | | | | | | | | | |
| 12 | OVC | 029 | | 9.00 | | 82 | 70 | 74 | 67 | 7 | 07 | 30.01 | 30.12 | | | | | | | | | | | | |
| 15 | OVC | 014 | | 9.00 | | 78 | 70 | 73 | 76 | 15 | 07 | 29.95 | 30.07 | | | | | | | | | | | | |
| 18 | OVC | 130 | | 10.00 | | 74 | 68 | 70 | 82 | 10 | 04 | 29.94 | 30.06 | | | | | | | | | | | | |
| 21 | BKN | 025 | | 10.00 | | 70 | 63 | 66 | 79 | 13 | 05 | 29.98 | 30.10 | | | | | | | | | | | | |
| 24 | OVC | 028 | | 10.00 | | 68 | 59 | 63 | 73 | 12 | 09 | 29.98 | 30.09 | | | | | | | | | | | | |
| SUNRISE: 0543 | | | | APR 26 | | | | SUNSET: 1855 | | | | | | | | | | | | | | | | | |
| 03 | OVC | 019 | | 10.00 | | 66 | 56 | 60 | 70 | 6 | 07 | 29.93 | 30.05 | | | | | | | | | | | | |
| 06 | BKN | 130 | | 10.00 | | 62 | 57 | 59 | 84 | 6 | 02 | 29.96 | 30.07 | | | | | | | | | | | | |
| 09 | BKN | 250 | | 7.00 | | 72 | 65 | 68 | 79 | 16 | 14 | 29.93 | 30.04 | | | | | | | | | | | | |
| 12 | OVC | 028 | | 10.00 | | 82 | 68 | 73 | 63 | 10 | 17 | 29.91 | 30.02 | | | | | | | | | | | | |
| 15 | OVC | 041 | | 8.00 | | 83 | 66 | 72 | 57 | 14 | 16 | 29.85 | 29.97 | | | | | | | | | | | | |
| 18 | BKN | 250 | | 10.00 | | 81 | 68 | 72 | 65 | 16 | 14 | 29.84 | 29.95 | | | | | | | | | | | | |
| 21 | SCT | NC | | 10.00 | | 75 | 70 | 72 | 84 | 12 | 14 | 29.86 | 29.97 | | | | | | | | | | | | |
| 24 | BKN | 130 | | 10.00 | | 75 | 71 | 72 | 88 | 10 | 15 | 29.84 | 29.96 | | | | | | | | | | | | |
| SUNRISE: 0542 | | | | APR 27 | | | | SUNSET: 1856 | | | | | | | | | | | | | | | | | |
| 03 | BKN | 032 | | 10.00 | | 74 | 71 | 72 | 91 | 12 | 16 | 29.78 | 29.90 | | | | | | | | | | | | |
| 06 | OVC | 019 | | 8.00 | | 75 | 72 | 73 | 90 | 9 | 17 | 29.77 | 29.89 | | | | | | | | | | | | |
| 09 | BKN | 025 | | 10.00 | | 81 | 71 | 74 | 72 | 12 | 17 | 29.81 | 29.93 | | | | | | | | | | | | |
| 12 | BKN | 100 | | 10.00 | | 84 | 68 | 73 | 59 | 15 | 18 | 29.80 | 29.91 | | | | | | | | | | | | |
| 15 | BKN | 250 | | 10.00 | | 87 | 69 | 75 | 55 | 17 | 19 | 29.74 | 29.85 | | | | | | | | | | | | |
| 18 | BKN | 250 | | 9.00 | | 83 | 72 | 75 | 70 | 10 | 17 | 29.74 | 29.85 | | | | | | | | | | | | |
| 21 | BKN | 033 | | 9.00 | | 80 | 73 | 75 | 79 | 8 | 19 | 29.79 | 29.91 | | | | | | | | | | | | |
| 24 | OVC | 019 | | 8.00 | | 78 | 74 | 75 | 87 | 8 | 18 | 29.81 | 29.93 | | | | | | | | | | | | |
| SUNRISE: 0542 | | | | APR 28 | | | | SUNSET: 1856 | | | | | | | | | | | | | | | | | |
| 03 | OVC | 016 | | 9.00 | | 77 | 74 | 75 | 90 | 8 | 16 | 29.81 | 29.92 | | | | | | | | | | | | |
| 06 | BKN | 020 | | 6.00 | BR | 74 | 73 | 73 | 97 | 3 | 17 | 29.85 | 29.96 | | | | | | | | | | | | |
| 09 | BKN | 019 | | 10.00 | | 81 | 72 | 75 | 74 | 9 | 17 | 29.88 | 29.99 | | | | | | | | | | | | |
| 12 | BKN | 034 | | 10.00 | | 85 | 72 | 76 | 65 | 6 | 17 | 29.90 | 30.01 | | | | | | | | | | | | |
| 15 | SCT | NC | | 10.00 | | 89 | 71 | 77 | 55 | 7 | 19 | 29.86 | 29.97 | | | | | | | | | | | | |
| 18 | BKN | 250 | | 10.00 | | 87 | 73 | 77 | 63 | 6 | 17 | 29.83 | 29.94 | | | | | | | | | | | | |
| 21 | OVC | 250 | | 10.00 | | 80 | 73 | 75 | 79 | 8 | 17 | 29.87 | 29.98 | | | | | | | | | | | | |
| 24 | BKN | 250 | | 8.00 | | 75 | 74 | 74 | 96 | 0 | 00 | 29.87 | 29.98 | | | | | | | | | | | | |
| SUNRISE: 0541 | | | | APR 29 | | | | SUNSET: 1857 | | | | | | | | | | | | | | | | | |
| 03 | OVC | 019 | | 7.00 | | 74 | 74 | 74 | 100 | 3 | 17 | 29.84 | 29.95 | | | | | | | | | | | | |
| 06 | OVC | 025 | | 8.00 | | 76 | 73 | 74 | 91 | 0 | 00 | 29.86 | 29.97 | | | | | | | | | | | | |
| 09 | OVC | 029 | | 7.00 | | 79 | 73 | 75 | 82 | 6 | 16 | 29.89 | 30.01 | | | | | | | | | | | | |
| 12 | SCT | NC | | 5.00 | HZ | 85 | 72 | 76 | 65 | 7 | VR | 29.88 | 30.00 | | | | | | | | | | | | |
| 15 | SCT | NC | | 6.00 | HZ | 91 | 73 | 78 | 56 | 10 | 17 | 29.81 | 29.92 | | | | | | | | | | | | |
| 18 | SCT | NC | | 10.00 | | 86 | 76 | 79 | 72 | 12 | 17 | 29.76 | 29.87 | | | | | | | | | | | | |
| 21 | SCT | NC | | 10.00 | | 78 | 73 | 75 | 85 | 9 | 17 | 29.80 | 29.91 | | | | | | | | | | | | |
| 24 | SCT | NC | | 10.00 | | 75 | 73 | 74 | 94 | 8 | 16 | 29.80 | 29.92 | | | | | | | | | | | | |
| SUNRISE: 0540 | | | | APR 30 | | | | SUNSET: 1858 | | | | | | | | | | | | | | | | | |
| 03 | SCT | NC | | 9.00 | | 73 | 73 | 73 | 100 | 3 | 18 | 29.80 | 29.91 | | | | | | | | | | | | |
| 06 | BKN | 022 | | 6.00 | BR | 73 | 72 | 72 | 96 | 0 | 00 | 29.79 | 29.91 | | | | | | | | | | | | |
| 09 | BKN | 024 | | 8.00 | | 80 | 70 | 73 | 71 | 13 | 18 | 29.78 | 29.90 | | | | | | | | | | | | |
| 12 | BKN | 250 | | 9.00 | | 87 | 69 | 75 | 55 | 12 | 19 | 29.73 | 29.85 | | | | | | | | | | | | |
| 15 | SCT | NC | | 8.00 | | 89 | 70 | 76 | 53 | 12 | 16 | 29.67 | 29.79 | | | | | | | | | | | | |
| 18 | FEW | NC | | 10.00 | | 85 | 72 | 76 | 65 | 12 | 16 | 29.63 | 29.75 | | | | | | | | | | | | |
| 21 | BKN | 023 | | 10.00 | | 78 | 71 | 73 | 79 | 8 | 18 | 29.67 | 29.79 | | | | | | | | | | | | |
| 24 | BKN | 025 | | 10.00 | | 77 | 72 | 74 | 85 | 9 | 17 | 29.67 | 29.78 | | | | | | | | | | | | |

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, 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.

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 | | | 68 | 65 | 66 | 91 | 29.91 | 30.02 | 8.53 | 6 | 4 | 14 |
| 02 | | | 67 | 65 | 66 | 92 | 29.90 | 30.01 | 8.35 | 5 | 3 | 13 |
| 03 | | | 67 | 64 | 66 | 90 | 29.89 | 30.01 | 8.28 | 6 | 3 | 13 |
| 04 | | | 67 | 63 | 65 | 89 | 29.89 | 30.01 | 8.12 | 6 | 3 | 12 |
| 05 | | | 67 | 63 | 65 | 90 | 29.90 | 30.01 | 7.35 | 6 | 3 | 12 |
| 06 | | | 66 | 63 | 65 | 91 | 29.92 | 30.03 | 6.44 | 5 | 2 | 11 |
| 07 | | | 67 | 64 | 65 | 89 | 29.93 | 30.04 | 6.60 | 6 | 3 | 12 |
| 08 | | | 69 | 64 | 66 | 84 | 29.94 | 30.05 | 7.78 | 8 | 4 | 12 |
| 09 | | | 72 | 64 | 67 | 77 | 29.94 | 30.06 | 8.87 | 10 | 7 | 14 |
| 10 | | | 74 | 63 | 68 | 71 | 29.95 | 30.06 | 9.47 | 9 | 6 | 16 |
| 11 | | | 76 | 63 | 68 | 65 | 29.94 | 30.06 | 9.53 | 10 | 7 | 14 |
| 12 | | | 78 | 63 | 68 | 61 | 29.93 | 30.04 | 9.40 | 10 | 8 | 14 |
| 13 | | | 79 | 63 | 69 | 59 | 29.91 | 30.02 | 9.27 | 11 | 7 | 14 |
| 14 | | | 80 | 63 | 69 | 57 | 29.89 | 30.01 | 9.63 | 11 | 8 | 14 |
| 15 | | | 81 | 63 | 70 | 56 | 29.87 | 29.99 | 9.43 | 11 | 8 | 15 |
| 16 | | | 80 | 64 | 70 | 59 | 29.86 | 29.97 | 9.53 | 12 | 9 | 14 |
| 17 | | | 79 | 64 | 69 | 62 | 29.86 | 29.97 | 9.67 | 12 | 10 | 14 |
| 18 | | | 77 | 65 | 69 | 67 | 29.86 | 29.97 | 9.73 | 11 | 9 | 13 |
| 19 | | | 74 | 65 | 68 | 72 | 29.87 | 29.98 | 9.73 | 11 | 9 | 13 |
| 20 | | | 73 | 65 | 68 | 78 | 29.88 | 30.00 | 9.83 | 10 | 8 | 14 |
| 21 | | | 71 | 65 | 68 | 82 | 29.90 | 30.01 | 9.70 | 9 | 7 | 15 |
| 22 | | | 71 | 66 | 68 | 84 | 29.91 | 30.02 | 9.47 | 8 | 6 | 14 |
| 23 | | | 70 | 66 | 67 | 87 | 29.91 | 30.02 | 9.30 | 7 | 5 | 15 |
| 24 | | | 69 | 65 | 67 | 90 | 29.91 | 30.02 | 8.73 | 6 | 4 | 15 |





APRIL 2002

HOUSTON, TX

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

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