

National Transportation Safety Board

Office of Aviation Safety  
Central Region

CEN22FA405

## **METEOROLOGICAL DATA SUMMARY**

## ACCIDENT

Location: Tomball, Texas  
Date: September 1, 2022  
Time: 1707 central daylight time (2207 UTC)  
Airplane: Cirrus Aircraft SR22; s/n 8750, registration No. N420SS

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### Closest Aviation Weather Station

David Wayne Hooks Memorial Airport (KDWH)  
Spring, Texas, USA  
30.0617791° North Latitude  
95.5527884° West Longitude  
152.4 ft mean sea level (airport field elevation)

Distance To Accident Site: 0.76 nautical mile  
Direction To Accident Site: 172° True

### Meteorological Aerodrome Report (METAR)

METAR KDWH 011953Z VRB03KT 10SM FEW050 SCT100 34/24 A2992 RMK AO2 LTG DSNT S-W SLP130 T03440239=

METAR KDWH 012053Z 24009KT 10SM OVC048 33/24 A2990 RMK AO2 LTG DSNT S-W SLP121 T03330239 56033=

SPECI KDWH 012134Z 22011G18KT 10SM VCTS CLR 32/23 A2990 RMK AO2 LTG DSNT W-NE T03220233=

SPECI KDWH 012149Z 23008KT 10SM CLR 32/24 A2990 RMK AO2 LTG DSNT NW-NE=

METAR KDWH 012153Z 23007KT 10SM CLR 32/24 A2990 RMK AO2 LTG DSNT NW-NE SLP121 T03220239=

*--- Accident Occurred at 2207 UTC (1707 CDT) ---*

METAR KDWH 012253Z 18003KT 10SM CLR 31/23 A2990 RMK AO2 LTG DSNT NW-NE SLP123 T03110228=

METAR KDWH 012353Z 02004KT 10SM SCT040 SCT050 28/22 A2992 RMK AO2 LTG DSNT NW SLP130 T02830222 10356 20283 53009=

## High-Resolution Rapid Refresh (HRRR) Atmosphere Model (2200 UTC)

| PRESSURE_hPa | HEIGHT_MSL_Meters | TEMP_C | DEWPOINT_C | WIND_DIR_DEG | WIND_SPEED_MPS |
|--------------|-------------------|--------|------------|--------------|----------------|
| 1007         | 48                | 30.9   | 25.8       | 205.3        | 3.8            |
| 1006         | 57                | 30.9   | 24.9       | 204.9        | 3.7            |
| 1003         | 84                | 30.6   | 25.7       | 204.2        | 4.3            |
| 997          | 133               | 30.1   | 24.2       | 204.2        | 4.4            |
| 988          | 220               | 29.3   | 23.9       | 204.1        | 4.4            |
| 974          | 348               | 28.1   | 23.5       | 203.9        | 4.5            |
| 955          | 514               | 26.7   | 22.3       | 198.0        | 3.9            |
| 934          | 716               | 25.1   | 21.2       | 183.0        | 3.2            |
| 910          | 939               | 23.4   | 20.0       | 159.7        | 3.0            |
| 885          | 1188              | 21.6   | 18.2       | 139.2        | 3.4            |
| 856          | 1472              | 19.7   | 15.6       | 130.3        | 3.8            |
| 825          | 1794              | 17.6   | 12.7       | 123.9        | 3.8            |
| 790          | 2158              | 15.3   | 10.0       | 128.2        | 3.6            |
| 752          | 2568              | 12.9   | 7.3        | 131.3        | 3.6            |
| 713          | 3018              | 9.9    | 5.0        | 134.7        | 3.5            |