

National Transportation Safety Board

Office of Aviation Safety
Central Region



CEN23FA258

METEOROLOGICAL DATA

ACCIDENT

Location: Hot Springs, Arkansas
Date: June 26, 2023
Time: 0805 central daylight time (1300 UTC)
Airplane: Cessna 177, Registration No. N3138T

Closest Aviation Weather Station

Memorial Field Airport (KHOT)
Hot Springs, Arkansas, USA
34.4780278° North Latitude
93.0962222° West Longitude
540 ft mean sea level

Distance From Accident Site: 0.6 nautical miles
Direction From Accident Site: 053° True

Meteorological Aerodrome Report (METAR)

METAR KHOT 260953Z AUTO 35003KT 10SM BKN070 BKN085 BKN110 23/22 A2989 RMK
AO2 LTG DSNT S AND SW SLP113 T02330222=

METAR KHOT 261053Z AUTO 24004KT 10SM CLR 23/22 A2990 RMK AO2 SLP118
T02280217=

METAR KHOT 261153Z AUTO 26003KT 10SM CLR 23/22 A2991 RMK AO2 SLP120 60002
70026 T02330222 10233 20228 53007=

SPECI KHOT 261229Z AUTO 24005KT 10SM FEW006 24/23 A2992 RMK AO2 T02390228=

METAR KHOT 261253Z AUTO 30004KT 10SM FEW005 24/23 A2993 RMK AO2 SLP129
T02440228=

--- Accident Occurred at 1305 UTC (0805 CDT) ---

METAR KHOT 261353Z AUTO 29003KT 10SM CLR 27/23 A2995 RMK AO2 SLP135
T02670233=

METAR KHOT 261453Z AUTO 00000KT 10SM CLR 29/22 A2996 RMK AO2 SLP139
T02890222 51018=

Terminal Area Forecast (TAF)

TAF KHOT 260520Z 2606/2706 25011KT 6SM BR VCTS BKN050CB OVC100
TEMPO 2606/2609 5SM -TSRA BR BKN050CB FM261000 VRB05KT
3SM BR BKN050 OVC250 FM261500 27005KT P6SM SCT250 FM270100
VRB02KT P6SM FEW250=

TAF KHOT 261127Z 2612/2712 VRB05KT P6SM BKN050 FM261500 27005KT
P6SM SCT050 SCT250 FM270100 VRB02KT P6SM FEW250
PROB30 2706/2712 6SM -TSRA BR BKN050CB=

High-Resolution Rapid Refresh (HRRR) Atmosphere Model (1300 UTC)

PRESSURE_hPa	HEIGHT_MSL_FEET	TEMP_C	DEWPOINT_C	WIND_DIR_DEG	WIND_SPEED_KNOTS
995	472	24.3	23.0	317.3	3.5
994	502	24.1	22.4	319.0	3.3
991	591	23.7	22.6	314.8	4.1
986	745	23.3	22.1	309.5	4.5
977	1027	22.9	21.8	279.0	7.2
963	1427	23.2	21.3	271.6	8.0
945	1972	22.9	20.2	273.2	4.5
923	2631	22.6	18.1	308.8	1.9
900	3353	22.0	15.7	334.6	3.7
876	4144	20.5	14.8	341.4	4.3
847	5079	19.1	14.2	323.0	5.8
816	6129	17.8	13.1	317.3	11.1
782	7313	16.1	11.2	315.2	17.7
746	8642	13.5	8.7	313.5	23.5
706	10144	11.0	1.8	312.4	30.9