

National Transportation Safety Board

Office of Aviation Safety
Central Region



CEN24LA204

METEOROLOGICAL DATA

ACCIDENT

Location: Waco, Texas
Date: May 7, 2024
Time: 1717 central daylight time (2217 UTC)
Airplane: Tecnam P2010; Registration No. N502U

Closest Aviation Weather Station

Waco Regional Airport (KACT)
Waco, Texas, USA
31.6121944° North Latitude
97.2303056° West Longitude
516.1 ft mean sea level (airport field elevation)

Distance To Accident Site: 0 nautical mile
Direction To Accident Site: Not Applicable

Meteorological Aerodrome Report (METAR)

METAR KACT 071651Z 26006KT 10SM CLR 29/22 A2974 RMK AO2 SLP063 T02940217=

METAR KACT 071751Z 17007KT 10SM CLR 30/22 A2972 RMK AO2 SLP056 T03000222
10306 20222 58011=

METAR KACT 071851Z 17006KT 10SM CLR 31/21 A2970 RMK AO2 SLP050 T03060211=

METAR KACT 071951Z 19007KT 10SM CLR 32/21 A2969 RMK AO2 SLP044 T03170211=

METAR KACT 072051Z 19007KT 10SM CLR 32/22 A2966 RMK AO2 SLP036 T03170217
58020=

METAR KACT 072151Z 19011KT 10SM CLR 31/22 A2964 RMK AO2 SLP028 T03110222=

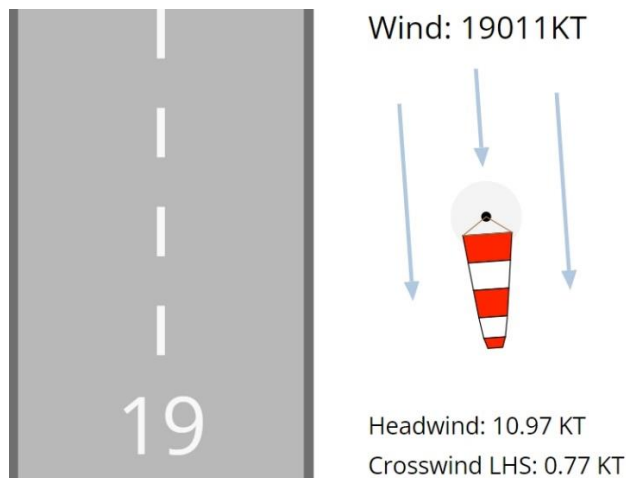
--- Accident Occurred at 2217 UTC (1717 CDT) ---

METAR KACT 072251Z 17009KT 10SM BKN090 30/22 A2963 RMK AO2 SLP024
T03000222=

METAR KACT 072351Z 16010KT 10SM SCT080 29/22 A2961 RMK AO2 SLP021 T02890222
10322 20289 56016=

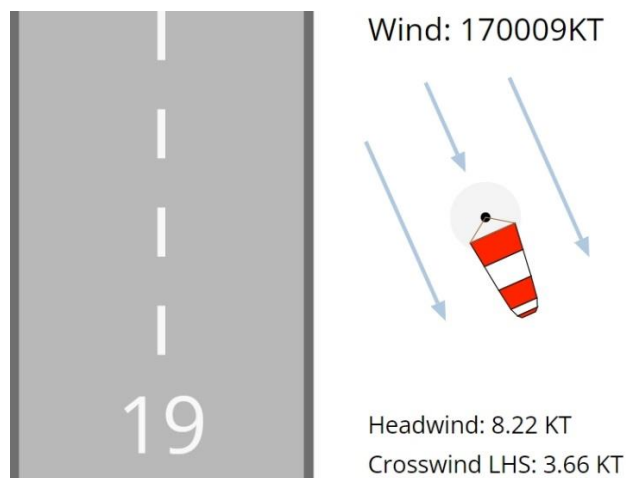
Headwind/Crosswind Calculations

METAR Report at 2151 UTC (1651 CDT)



Runway Heading: 194° True
Wind Direction: 190° True
Wind Speed: 11 knots
Headwind: 10.97 knots
Crosswind: 0.77 knots from the left

METAR Report at 2251 UTC (1751 CDT)



Runway Heading: 194° True
Wind Direction: 170° True
Wind Speed: 09 knots
Headwind: 8.22 knots
Crosswind: 3.66 knots from the left

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

PRESSURE_hPa	HEIGHT_MSL_Meters	TEMP_C	DEWPOINT_C	WIND_DIR_DEG	WIND_SPEED_MPS
985	145	30.3	23.5	171.5	4.7
984	154	30.5	22.8	171.5	4.6
981	181	30.3	23.5	172.8	5.8
976	232	29.9	21.7	173.6	6.4
968	309	29.0	21.3	174.4	6.8
954	436	27.8	20.9	175.2	7.1
936	605	26.2	20.3	176.9	7.3
915	803	24.6	18.7	181.4	7.5
892	1024	23.1	16.3	190.2	7.3
867	1270	21.2	14.8	195.2	7.2
839	1550	19.2	12.7	199.4	7.2
809	1864	17.5	9.4	205.0	8.2
776	2223	15.8	6.6	221.9	11.8
740	2624	12.8	9.9	223.6	16.3
701	3076	10.3	2.9	232.3	18.6