

National Transportation Safety Board

Office of Aviation Safety
Central Region

CEN24LA113

METEOROLOGICAL DATA SUMMARY

ACCIDENT

Location: South Lyon, Michigan
Date: February 12, 2024
Time: 1150 eastern standard time (1650 UTC)
Airplane: Piper J3C-65; Registration No. N87965

Closest Aviation Weather Station

Ann Arbor Municipal Airport (KARB)
Ann Arbor, Michigan, USA
42.224° North Latitude
83.740° West Longitude
839 ft mean sea level (airport field elevation)

Distance To Accident Site: 13 nautical miles
Direction To Accident Site: 009°

Meteorological Aerodrome Report (METAR)

METAR KARB 121353Z AUTO 00000KT 10SM CLR M02/M05 A2995 RMK AO2 SLP151
T10171050=

METAR KARB 121453Z 06006KT 10SM CLR 01/M06 A2993 RMK AO2 SLP144 T00061061
58003=

METAR KARB 121553Z 09007KT 050V130 10SM CLR 01/M06 A2991 RMK AO2 SLP138
T00111061=

--- Accident Occurred at 1650 UTC (1150 EST) ---

METAR KARB 121653Z 00000KT 10SM CLR 02/M07 A2993 RMK AO2 SLP144 T00171067=

METAR KARB 121753Z 00000KT 10SM CLR 03/M06 A2987 RMK AO2 SLP124 T00281061
10033 21067 58019=

METAR KARB 121853Z VRB03KT 10SM CLR 04/M07 A2984 RMK AO2 SLP112 T00441067=

METARs (within a 20 nautical mile radius of the accident site)

KYIP, Detroit, Willow Run Airport

METAR KYIP 121353Z 00000KT 10SM CLR M01/M05 A2996 RMK AO2 SLP150 T10111050=

METAR KYIP 121453Z 00000KT 10SM CLR 01/M05 A2994 RMK AO2 SLP144 T00061050
58002=

METAR KYIP 121553Z 00000KT 10SM CLR 02/M06 A2993 RMK AO2 SLP141 T00171056=

METAR KYIP 121653Z VRB03KT 10SM CLR 03/M05 A2994 RMK AO2 SLP142 T00281050=

METAR KYIP 121753Z 22004KT 10SM CLR 03/M05 A2988 RMK AO2 SLP123 T00331050
10033 21044 58019=

METAR KYIP 121853Z 00000KT 10SM CLR 04/M07 A2985 RMK AO2 SLP113 T00441072=

KPTK, Pontiac, Oakland County International Airport

METAR KPTK 121353Z 00000KT 10SM CLR M02/M06 A2994 RMK AO2 SLP148
T10221056=

METAR KPTK 121453Z 00000KT 10SM CLR 00/M06 A2992 RMK AO2 SLP143 T00001056
58001=

METAR KPTK 121553Z 00000KT 10SM FEW120 01/M07 A2991 RMK AO2 SLP138
T00111067=

METAR KPTK 121653Z 00000KT 10SM FEW033 FEW120 02/M07 A2991 RMK AO2 SLP138
T00221067=

METAR KPTK 121753Z VRB03KT 10SM FEW033 03/M07 A2986 RMK AO2 SLP119
T00331067 10039 21039 58022=

METAR KPTK 121853Z 29003KT 10SM CLR 04/M07 A2983 RMK AO2 SLP109 T00391067=

KOZW, Howell, Livingston County Airport

METAR KOZW 121555Z AUTO 00000KT 10SM CLR 01/M05 A2991 RMK AO2 T00071050=

METAR KOZW 121615Z AUTO 03004KT 10SM CLR 01/M05 A2990 RMK AO2 T00121051=

METAR KOZW 121635Z AUTO 20005KT 10SM CLR 02/M05 A2993 RMK AO2 T00211049=

METAR KOZW 121655Z AUTO 24003KT 10SM CLR 02/M05 A2992 RMK AO2 T00161055=

METAR KOZW 121715Z AUTO 00000KT 10SM CLR 03/M05 A2991 RMK AO2 T00251053=

METAR KOZW 121735Z AUTO 26005KT 10SM SCT033 03/M05 A2989 RMK AO2
T00291050=

High-Resolution Rapid Refresh (HRRR) Atmosphere Model (1700 UTC)

PRESSURE_hPa	HEIGHT_MSL_Meters	TEMP_C	DEWPOINT_C	WIND_DIR_DEG	WIND_SPEED_MPS
979	279	2.4	-6.8	049.2	1.0
978	287	1.6	-7.9	046.1	0.09
975	312	1.1	-7.5	048.5	1.1
970	356	0.5	-8.3	049.3	1.1
961	429	-0.3	-8.6	043.4	1.3
948	540	-1.5	-8.9	041.6	1.3
930	688	-3.0	-9.4	036.9	1.5
910	863	-4.8	-9.9	032.1	1.6
887	1061	-5.7	-15.0	025.7	1.8
862	1280	-5.6	-22.9	343.1	4.2
835	1530	-5.7	-27.5	314.2	5.9
805	1816	-6.4	-32.6	303.3	8.0
773	2137	-7.6	-36.5	296.2	10.1
737	2505	-9.1	-30.1	287.7	10.2
699	2916	-10.2	-21.2	275.5	11.7