



RECORD OF EMAIL

Samantha Link
Aviation Accident Investigator
Central Region

Date: June 28, 2021
Person Contacted: Mr. Donald Eick (NTSB Meteorologist)
NTSB Accident Number: CEN21LA288

Narrative:

During email conversation with Mr. Eick he reported the following:

Synoptic Condition: The NWS Surface Analysis for 1100 EDT (1500Z) is included as figure 1 with the approximate accident site marked by the red star. The chart depicted two high-pressure centers over West Virginia and Virginia at 1025-hectopascals (hPa) with a ridge extending over Ohio. The station models surrounding the accident site depicted southwesterly winds of 5 to 10 knots, clear skies, with temperatures in the 70's degrees Fahrenheit (F), and dew point temperatures in the 40's degrees F. No significant weather was depicted in the vicinity of the accident site.

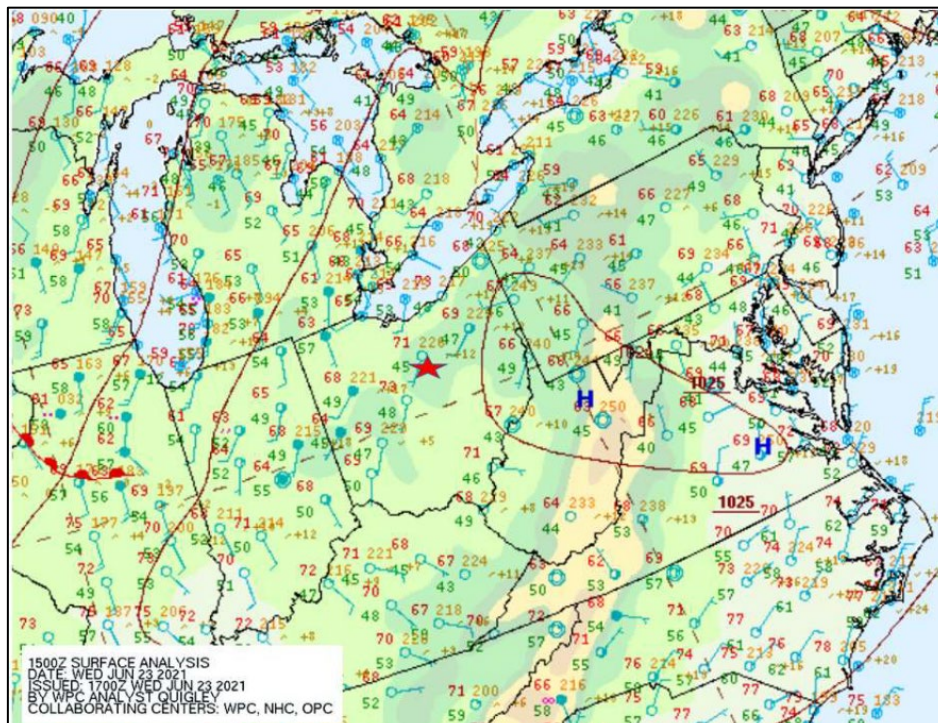


Figure 1: Surface Analysis Chart for 1100 EDT with the Approximate Accident site Marked

Observations - The accident airplane was departing from Freeman Swank Farms Airport (0OH5), in Butler, Ohio, at an elevation of 1,071 ft. The airport is a private airport and does not have any weather reporting capability.

The closest weather reporting facility to the accident site was from **Mansfield Lahm Regional Airport (KMFD), Mansfield, Ohio**, located 14 miles north of the accident site at an elevation of 1,290 ft. At the approximate time of the accident the following conditions were being reported.

KMFD weather at 0952 EDT, wind from 220° at 6 knots, visibility 10 statute miles or more, sky clear below 12,000 ft agl, temperature 20° Celsius (C) (68° F), dew point temperature 7° C (45° F), altimeter 30.20 inches of mercury. Remarks: automated observation with a precipitation discriminator, sea level pressure 1022.6-hPa, temperature 20.0° C, dew point 7.2° C, 3-hour pressure tendency risen 1.2-hPa.

A review of the observations surrounding the period indicated no wind gusts and winds from 200° to 220° at 6 to 7 knots. A relative humidity of 42%, and the density altitude was 1,985 ft. The raw METARs from 0752 through 1252 EDT were as follows.

METAR KMFD 231152Z 20006KT 10SM CLR 16/07 A3018 MK AO2 SLP215 7//// T01560072 1015620100 51020=

METAR KMFD 231252Z 21006KT 10SM CLR 18/07 A3019 RMK AO2 SLP220 T01830072=

METAR KMFD 231352Z 22006KT 10SM CLR 20/07 A3020 RMK AO2 SLP224 T02000072=

Accident 1415Z

METAR KMFD 231452Z 22007KT 10SM CLR 22/07 A3021 RMK AO2

SLP226 T02170072 51012=METAR KMFD 231552Z 20007KT 10SM CLR

23/08 A3022 RMK AO2 SLP229 T02280078=

METAR KMFD 231652Z 27006KT 10SM BKN080 OVC090 22/08 A3022 RMK AO2 SLP231 T02220078=

END.

Submitted by: Samantha Link