



MEMORANDUM FOR RECORD

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Air Safety Investigator
Eastern Region Aviation

June 6, 2019

Subject: N3062B, EAB Avid Magnum, 06/06/19, Frederick, Maryland, NTSB Investigation ERA19LA187. METER Weather Data at Frederick Municipal Airport (FDK), Field Elevation 309 ft Mean Sea Level, on 06/06/19.

Time interval: from 06/06/2019 12:00 to 06/06/2019 21:59 UTC

KFDK, Frederick, Frederick Municipal Airport (United States).
WMO index: -----. Latitude 39-25-03N. Longitude 077-22-28W.
Altitude 92 m.

METAR/SPECI from KFDK, Frederick, Frederick Municipal Airport (United States) .		
SA	06/06/2019 21:47->	METAR KFDK 062147Z 32005KT 10SM SCT050 31/17 A2980=
SA	06/06/2019 20:47->	METAR KFDK 062047Z 30005KT 10SM SCT050 SCT070 31/18 A2981=
SA	06/06/2019 19:47->	METAR KFDK 061947Z 33004KT 10SM SCT049 SCT060 SCT080 31/18 A2982=
SP	06/06/2019 18:55->	SPECI KFDK 061855Z 36005KT 10SM BKN047 BKN060 31/18 A2982=
SA	06/06/2019 18:55->	METAR KFDK 061855Z 36005KT 10SM BKN047 BKN060 31/18 A2982=
SA	06/06/2019 17:47->	METAR KFDK 061747Z 28007KT 10SM SCT044 BKN055 BKN065 30/19 A2982=

SA	06/06/2019 16:51->	METAR KFDK 061651Z 30008G13KT 10SM SCT044 BKN050 BKN090 30/18 A2982=
SA	06/06/2019 15:47->	METAR KFDK 061547Z 33010G15KT 10SM BKN070 BKN085 29/19 A2982=
SA	06/06/2019 14:47->	METAR KFDK 061447Z 29011KT 10SM BKN070 BKN085 28/20 A2981=
SA	06/06/2019 13:47->	METAR KFDK 061347Z 29011G16KT 10SM SCT037 BKN070 27/20 A2981=
SA	06/06/2019 12:47->	METAR KFDK 061247Z 00000KT 10SM SKC 25/21 A2980=

Calculated Density Altitude at 1947z/1547 Eastern Daylight Time:
 Altimeter 29.82 Temperature 31C Dewpoint 18C Calculated Station Pressure 29.49
 Density Altitude: 2384 ft

Calculated Density Altitude at 1247z/0847 Eastern Daylight Time:
 Altimeter 29.80 Temperature 25C Dewpoint 21C Calculated Station Pressure 29.47
 Density Altitude: 1742 ft

Calculations from:
[Density Altitude Calculator \(weather.gov\)](https://www.weather.gov/density-altitude-calculator)

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