

NATIONAL TRANSPORTATION SAFETY BOARD

Vehicle Recorder Division
Washington, D.C. 20594

August 14, 2018

Recording Devices

Specialist's Factual Report
By Ben Hsu

1. EVENT

Location: Hopkinsville, Kentucky
Date: May 12, 2017
Aircraft/ID: Beech A36TC / N1804E
Operator: Cremais LLC
NTSB Number: ERA17FA180

2. EVENT SUMMARY

On May 12, 2017, about 1152 central daylight time, a Beech A36TC, N1804E, registered to and operated by Cremais LLC, impacted trees and terrain near Hopkinsville, Kentucky. The private pilot and one passenger were fatally injured, and the airplane was destroyed. The personal flight was conducted under the provisions of 14 *Code of Federal Regulations* Part 91. Instrument meteorological conditions prevailed. The flight originated about 0942 central daylight time, from Davenport Municipal Airport (DVN), Davenport, Iowa, and was destined for Northwest Alabama Regional Airport (MSL), Muscle Shoals, Alabama.

3. DETAILS OF DEVICE INVESTIGATION

The NTSB's Vehicle Recorder Division received the following devices:

Device: Appareo Stratus 2S
Device Serial Number: 004947

Device: Garmin GPS
Device Serial Number: Unknown

Device: JPI EDM-700
Device Serial Number: 1842

Figure 1 shows the Appareo Stratus 2S device as it arrived in the laboratory. The memory component of the device was damaged due to the accident and no data could be recovered.

Figure 2 shows the Garmin GPS device as it arrived in the laboratory. The memory component of the device was ejected during the accident sequence and could not be recovered.

Figure 3 shows the JPI EDM-700 as it arrived in the laboratory. The memory components of the device was ejected during to the accident sequence and could not be recovered.

3.1. Appareo Stratus 2S Detailed Description

The Appareo Stratus 2S is a battery-operated ADS-B receiver with Global Positioning System (GPS) capability designed to interface with an iPad, iPhone, or iPod Touch running the ForeFlight Mobile application via Wi-Fi. The Stratus uses ADS-B to provide access to NEXRAD radar, METARs, TAFs, NOTAMs and other FAA products via the ForeFlight application installed on a mobile device. ADS-B NEXRAD weather data can be delayed as much as 15 to 20 minutes.¹

Figure 1. Appareo Stratus 2S



¹ Additional information regarding latency in NEXRAD imagery can be found in NTSB Safety Alert SA-017: https://www.nts.gov/safety/safety-alerts/Documents/SA_017.pdf

Figure 2. Garmin GPS

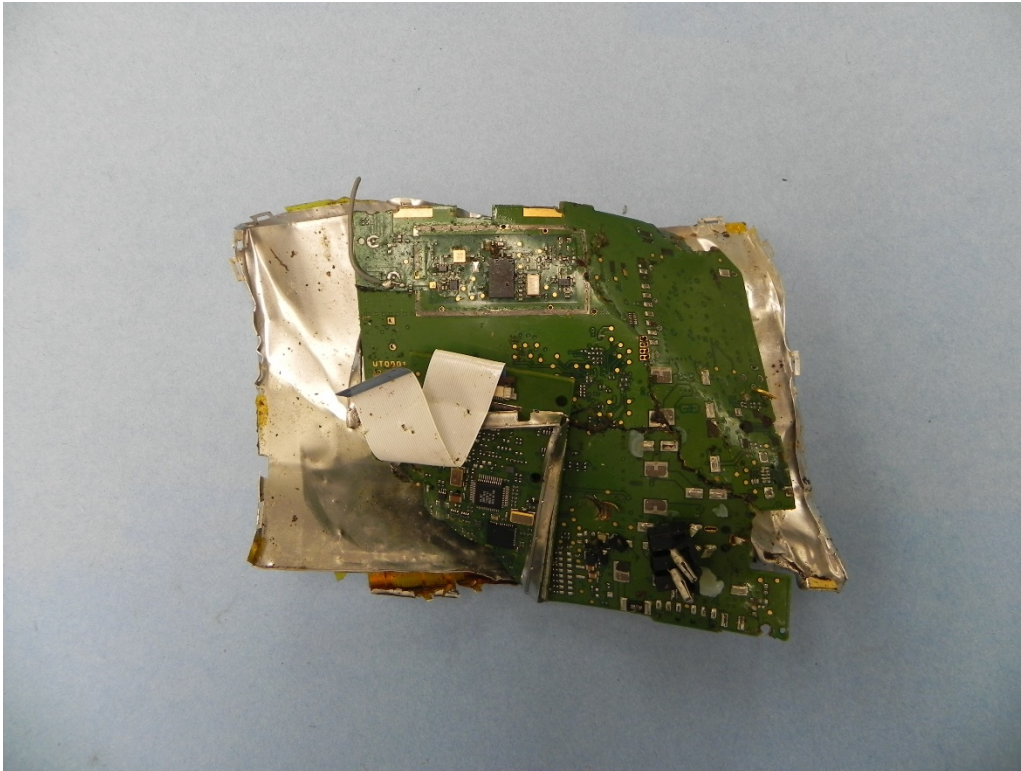


Figure 3. JPI EDM-700

