

NATIONAL TRANSPORTATION SAFETY BOARD

Office of Aviation Safety
Washington, D.C. 20594
March 28, 2017

Global Positioning System

Factual Report
By Heidi Kemner

1. EVENT SUMMARY

Location: Aberdeen, Mississippi
Date: March 28, 2017
Aircraft: Mooney M20J
Registration: N643RJ
NTSB Number: ERA17FA139

2. DETAILS OF INVESTIGATION

The following device was downloaded:

Device Manufacturer/Model: Garmin GPS_map 396
Serial Number: 125002226

2.1. Data Recovery

The device was undamaged and was downloaded normally using the manufacturer's software. Figures 1 and 2 show the front and back of the device.

Figure 1. Photo of undamaged device.



Figure 2. View of back of GPS



2.2. Data Description

The data extracted included 48 track logs from October 1, 2016,¹ through March 28, 2017. The accident flight was recorded starting 06:04:03 CDT and ending 06:14:36 CDT on March 28, 2017.

Below is a graph of the altitude and speed data from the accident flight.

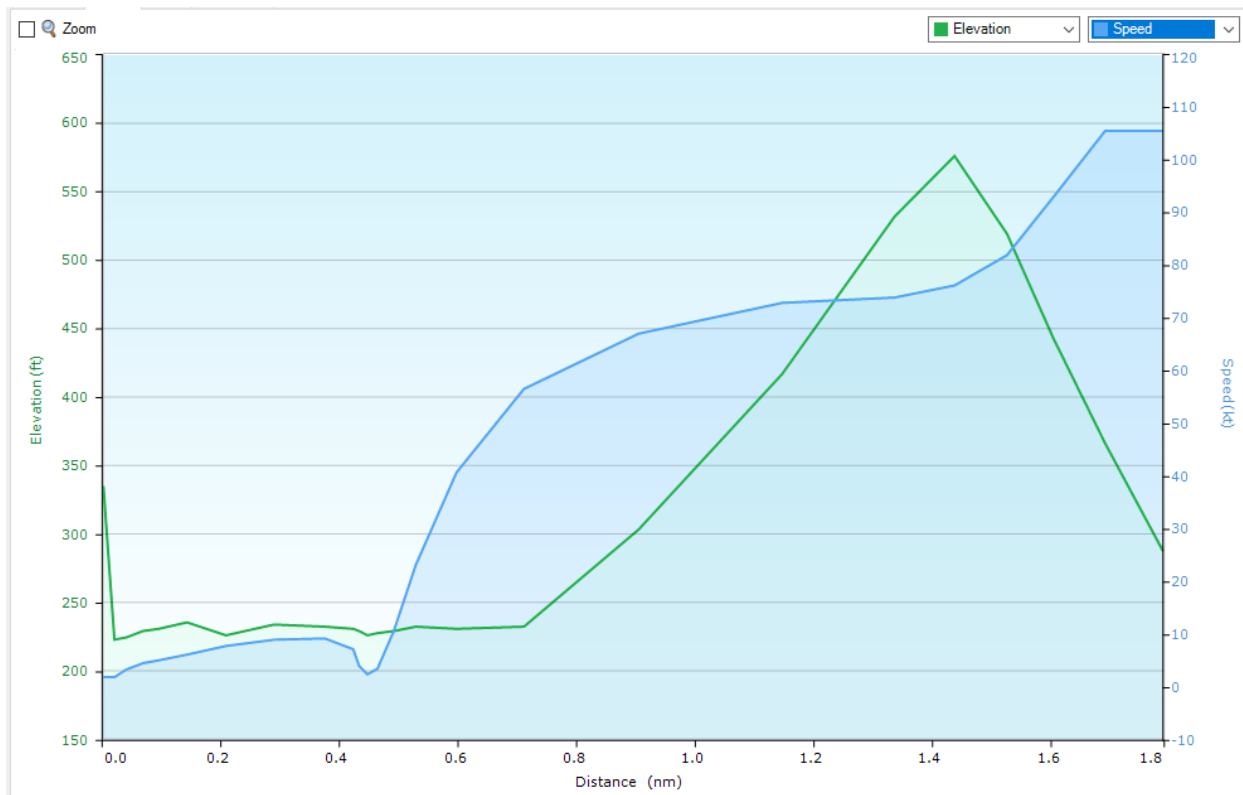


Figure 3. Graph of elevation and speed data from accident flight.

2.3. TABULAR DATA

Tabular data are included as Attachment 1. This attachment is provided in electronic comma-delimited (.CSV) format.

¹ All dates and times are referenced to Central Daylight Time.