

NATIONAL TRANSPORTATION SAFETY BOARD

Office of Aviation Safety
Washington, D.C. 20594

September 2, 2020

Global Positioning System

Factual Report
By Heidi Kemner

1. EVENT SUMMARY

Location: Tallahassee, Florida
Date: August 19, 2020
Aircraft: Piper PA-32
Registration: N4089R
NTSB Number: ERA20LA290

2. DETAILS OF INVESTIGATION

The following device was downloaded:

Device Manufacturer/Model: Garmin GPSmap 396
Serial Number: 28202966

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 43 track logs from May 31, 2020, through August 19, 2020. The accident flight was recorded starting 12:13:03 EDT and ending 12:24:50 EDT on August 19, 2020.

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.