

NATIONAL TRANSPORTATION SAFETY BOARD

Office of Aviation Safety
Washington, D.C. 20594

August 20, 2019

Global Positioning System

Factual Report
By Noreen Price

1. EVENT SUMMARY

Location: Chugiak, Alaska
Date: June 6, 2017
Aircraft: Cessna 172
Registration: N35700
Operator: Private Individual
NTSB Number: ANC17LA028

2. DETAILS OF INVESTIGATION

The following device was downloaded:

Device Manufacturer/Model: Garmin Aera 660
Serial Number: Unknown

2.1. Data Recovery

The device was undamaged and was downloaded normally using the manufacturer's software. Figure 1 shows the front and back of the device.

Figure 1. Photos of undamaged Garmin Aera 660



2.2. Data Description

The data extracted included one active log titled 14 OCT 2016 and included tracks from 13 October 2016 time 6:51:58 pm until 7 June 2017 5:08:37 pm¹. The accident flight was recorded starting on 6 June 2017 at 05:25:03 pm ADT and ended on 6 June 2017 at 06:49:34 pm ADT.

2.3. Tabular Data

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

2.4. Mapping

Figure 2 shows the GPS track from the accident flight as an overlay to the Visual Flight Rules sectional chart.

Figure 3 shows the end of the GPS track data that was recorded in a three-dimensional format on a Google Earth map.



Figure 2. GPS track displayed in red on a VFR Sectional chart.

¹ All dates and times are referenced to Alaska daylight savings time.

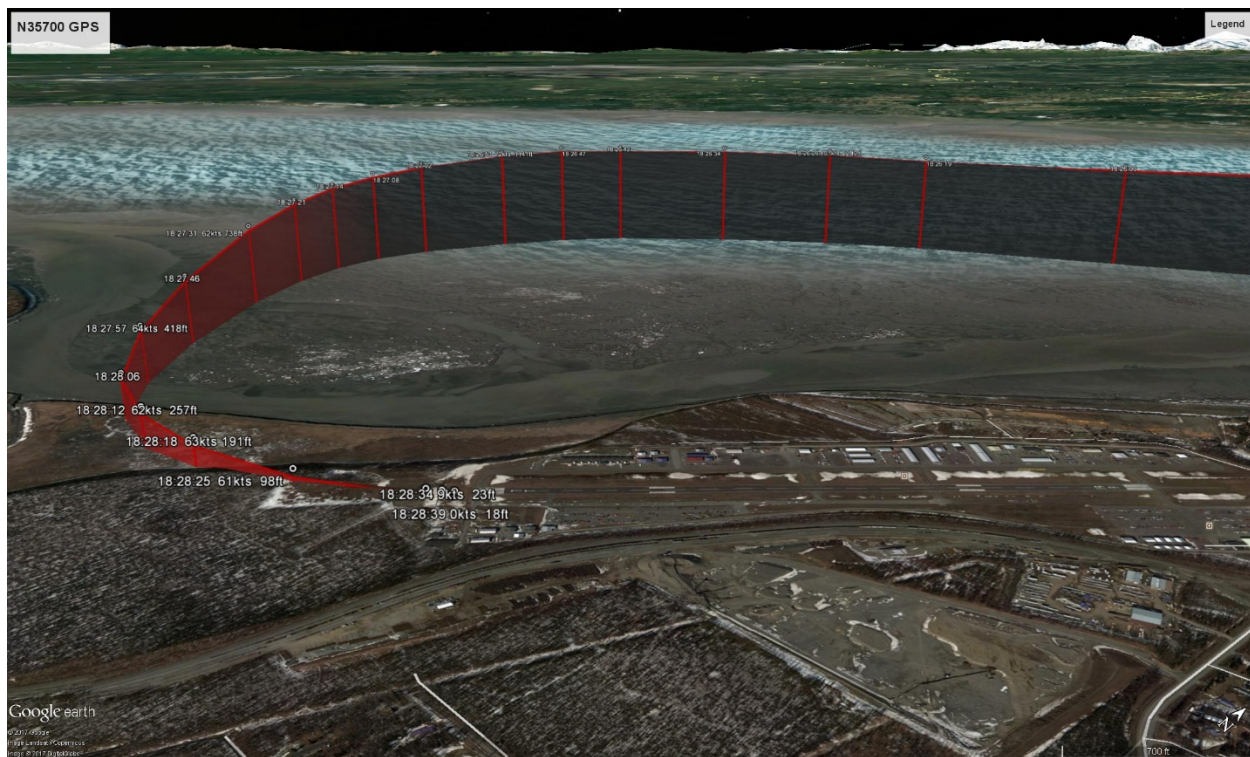


Figure 3. The end of the GPS track.