

NATIONAL TRANSPORTATION SAFETY BOARD

Office of Aviation Safety
Washington, D.C. 20594

October 31, 2017

Global Positioning System

Factual Report
By Noreen Price

1. EVENT SUMMARY

Location: Salcha, Alaska
Date: May 27, 2017
Aircraft: S-1B2 Airplane
Registration: N57AT
Operator: Private Individual
NTSB Number: ANC17FA026

2. DETAILS OF INVESTIGATION

The following device was downloaded:

Device Manufacturer/Model: Garmin Aera 500
Serial Number: 011-02025-10

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 500



The data extracted included one active log titled 14 Aug 2016 and included tracks from 14 August 2016 time 12:18:29 until 27 May 2017 11:22:39¹. There was a total of 9,999 data points recorded in the active log. The accident flight was recorded starting on 27 May 2017 at 09:28:51 ADT and ended at 11:22:39 ADT on 27 May 2017.

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

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.

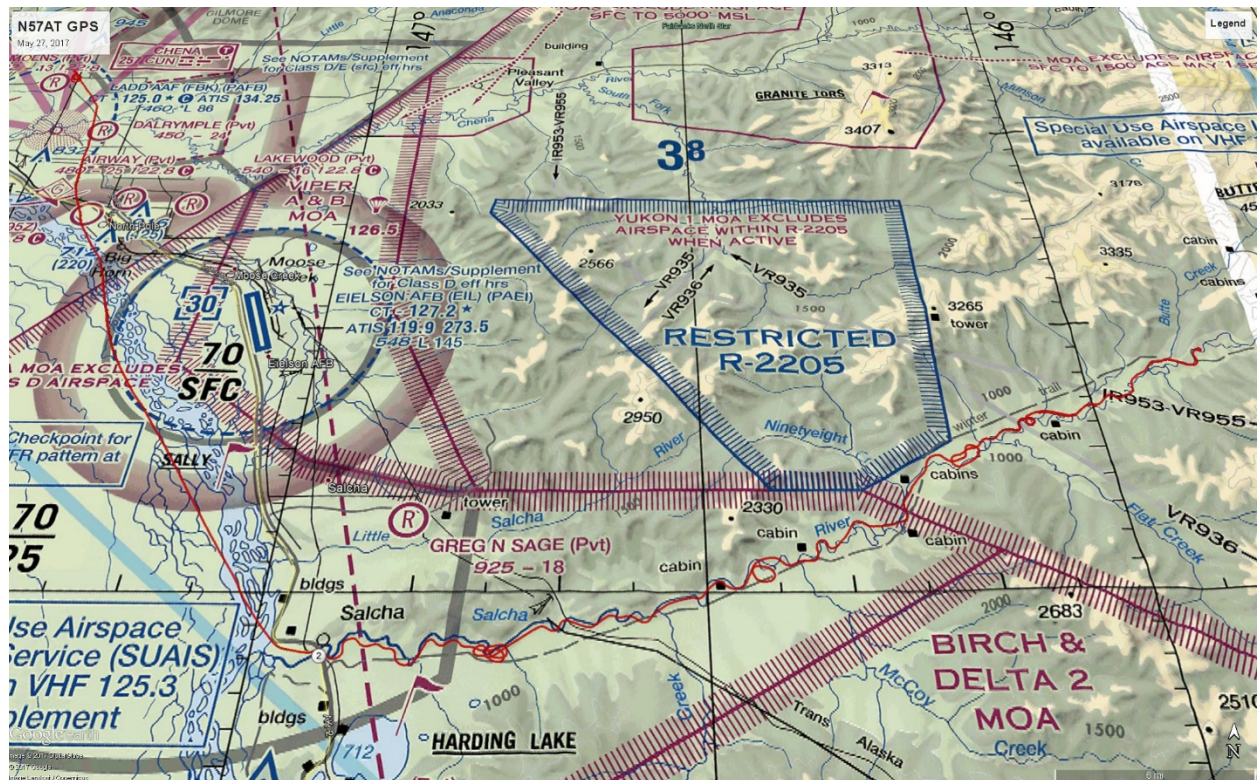


Figure 2. GPS track displayed in red on a VFR Sectional chart.

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



Figure 3. The end of the GPS track.