

Banning Brice

From: Payne Sean
Sent: Tuesday, March 1, 2022 9:29 AM
To: Banning Brice; Ward Mark
Cc: Babcock Christopher
Subject: ANC22FA005 - (Kodiak, AK) - GPS Device - Email Report
Attachments: AeraGPS.jpg; ANC22FA005_N540AK_GPSTracks.csv; GPSTracksANC22FA005.JPG

Email Report Instructions

The narrative and attachments from this email report may be used in other reports at the discretion of the IIC. This email, including attachments (if applicable), should also be placed in the public docket by the IIC.

Email Report

The Vehicle Recorder Division received the following GPS device on November 16, 2021: **Garmin Aera 795/796 GPS – serial number 2CY012987**

Garmin Aera 795/796 GPS – serial number 2CY012987

The device arrived to the lab heavily impact damaged (**AeraGPS.jpg**). The device's screen was shattered. The device's screen was removed and inspected for damage. Components related to the control of the device via its user interface and the screen were destroyed. The internal components appeared operable. A readout of the device was conducted with a USB cable and PC running the manufacturer's software. The device was readout successfully and GPS database file was produced. The database file was converted, and the accident flight was identified.

The data is attached to this email report as **ANC22FA005_N540AK_GPSTracks.csv**. Only the accident tracklog is contained in the file. A plot of the GPS points on Google Earth is also attached as **GPSTracksANC22FA005.JPG**. The track information is given in UTC and has not been converted to local time. The time in UTC is close in agreement to the reported time of the accident. The recovered tracklogs show the aircraft on the runway at Kodiak Municipal Airport (KKDK), Kodiak, AK. The tracklogs end showing the aircraft on the runway at a derived groundspeed of 12 knots. The time of the last data record is 22:58:49 UTC on the accident date. Garmin devices of this type typically lose information in an abrupt power loss scenario, and no other tracklog information was recovered from the device. This termination of data was congruent with data recoveries of other Garmin devices of the same type.

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