

National Transportation Safety Board

Office of Research and Engineering

Washington, DC 20594



ERA25MA106

MISCELLANEOUS DEVICES

Specialist's Factual Report

January 7, 2026

A. ACCIDENT

Location: Philadelphia, PA
Date: January 31, 2025
Time: 1807 Eastern standard time
Airplane: Learjet 55, Med Jets, S.a. De C.v., XA-UCI

B. MISCELLANEOUS DEVICES SPECIALIST

Specialist Jonathan Xue
Recorder Specialist
National Transportation Safety Board (NTSB)

C. DETAILS OF THE INVESTIGATION

A data group was not convened.

The NTSB Vehicle Recorder Division received the following electronic devices:

Recorder Manufacturer/Model:	Garmin GTN 750
Part Number:	011-02282-00
Recorder Serial Number:	1ZA020849

Recorder Manufacturer/Model:	Garmin GTN 750
Part Number:	011-02282-00
Recorder Serial Number:	1ZA001643

Recorder Manufacturer/Model:	GoPro Hero 11
Part Number:	unk
Recorder Serial Number:	unk

Recorder Manufacturer/Model:	Apple Watch
Part Number:	unk
Recorder Serial Number:	unk

Recorder Manufacturer/Model:	Smart Phone
Part Number:	unk
Recorder Serial Number:	unk

Recorder Manufacturer/Model:	Apple iPad Mini
Part Number:	A2567
Recorder Serial Number:	MJQD14M4C

Recorder Manufacturer/Model:	Apple iPad Pro
Part Number:	unk
Recorder Serial Number:	unk

Recorder Manufacturer/Model:	Apple Watch
Part Number:	a2772
Recorder Serial Number:	unk

Recorder Manufacturer/Model:	Apple iPhone
Part Number:	unk
Recorder Serial Number:	unk

Recorder Manufacturer/Model:	Apple iPhone
Part Number:	a1660
Recorder Serial Number:	unk

Recorder Manufacturer/Model:	Apple iPhone
Part Number:	a16a7
Recorder Serial Number:	unk

Recorder Manufacturer/Model:	Apple iPad
Part Number:	A2602
Recorder Serial Number:	LQQP5G7W73

1.0 Devices Condition and Recovery

1.1 GoPro Hero

The GoPro Hero 11 is a compact, lightweight, digital camera enclosed in a ruggedized housing that allows the camera to be mounted in a variety of positions using an array of supported accessories. The device can record a maximum 5.3K resolution video at a frame rate of 60 frames per second (FPS). The camera supports recording to a microSD card.

The GoPro camera was recovered in a parking lot near the accident site and was damaged in the event. The extent of the damage is shown in figure 1.

The microSD card in the Go Pro (figure 2) was working but had no aviation video or any data useful to the investigation when downloaded. The GoPro was never conclusively determined to be from the accident aircraft.



Figure 1. Damaged Go Pro



Figure 2. microSD card found in GoPro.

1.2 Garmin GTN 750 (Both Units)

The Garmin GTN 750 is a panel-mounted GPS receiver featuring an 800 x 600 pixel, 6.9 inch color liquid crystal (LCD) display. It has a GPS/SBAS engine and is TSO C146c certified for primary domestic, oceanic, and remote navigation including en route, terminal, and non-precision approaches, and approaches with vertical guidance, such as LPV and LNA/VNAV. The unit can simultaneously give aviators approach information and weather and traffic data in relation to their position on a large, color moving map display. Its color moving map features a built-in database that shows cities, highways, railroads, rivers, lakes, and coastlines. The unit has a slot on the front for a Jeppesen database containing all airports, VORs, NDBs, intersections, FSSs, approaches, DPs/STARs and SUA information. A flight plan composed of multiple waypoints, including user-defined waypoints, can be programmed in the unit. The GTN 750 also includes a TSO'd airborne VHF communications transceiver and TSO'd airborne VOR/Localizer and Glideslope receivers. The unit contains an internal SD card, and it stores flight log data if the unit is installed with software version 6.50 or higher.

Both Garmin GTN 750's suffered significant damage in the event as shown in Figure 3. This version of the GTN 750 was determined to be a Non-TXI system, and the flight data would normally be stored on an internal, non-user accessible internal SD card. The remains of both units were searched for the internal SD cards. Additionally, a search of the accident site and, later, a detailed search of the aircraft's remains at the salvager, did not locate either internally mounted SD card. No internally mounted SD cards containing flight data were recovered.

In an effort to conclusively rule out the presence of flight data on other internally mounted NVM chips, chips were removed from each device and read. These chips were determined to not have recorded any flight data.

No data was recovered from either Garmin device.

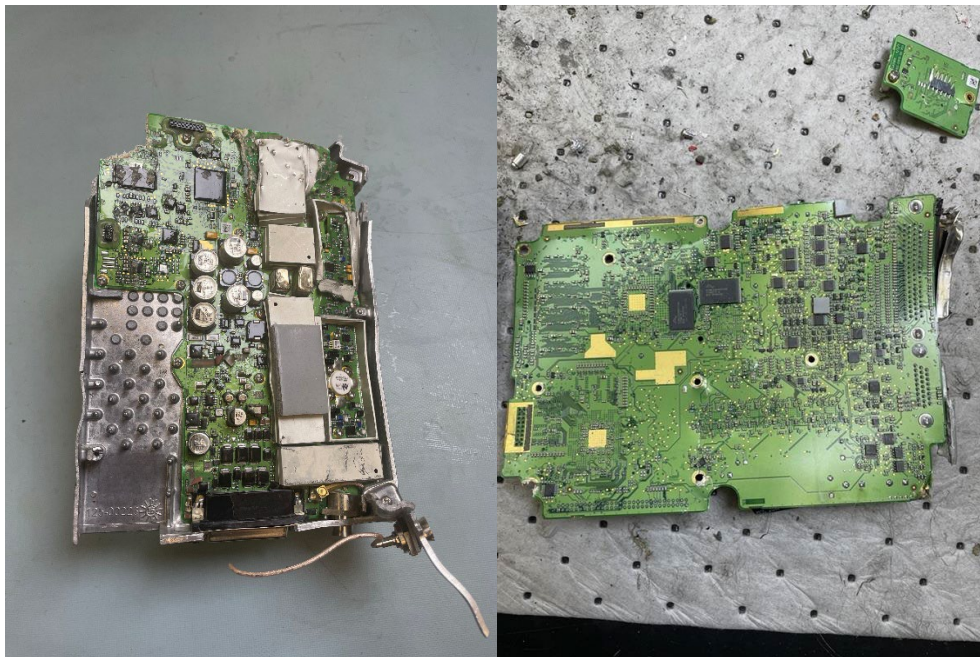


Figure 3. Both Garmin 750's in a damaged state

1.3 Smart Devices

All phones and tablets were destroyed and unrecoverable, figure 4 shows the condition of these devices post accident. One of the Apple watches was in good condition (figure 5), however, this was later determined to have belonged to one of the ground victims. Data recovery from this device was not pursued. An additional Apple watch (figure 6) was destroyed and no data was recovered.



Figure 4. Damaged smart devices (iPhone - left, iPad - top right, iPhone - bottom right)



Figure 5. Working Apple Watch which was determined to have belonged to a ground victim.



Figure 6. Damaged Apple Watch

Submitted by:

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