

National Transportation Safety Board

Office of Research and Engineering

Washington, DC 20594



ERA24LA223

ELECTRONIC DEVICES

Specialist's Factual Report

April 16, 2026

A. ACCIDENT

Location: Fort Myers, FL
Date: May 20, 2024
Time: 10:08 Local (EST)
Airplane: BEEHCRAFT TC-12B, Lee County Mosquito Control District, N762MC

B. ELECTRONIC DEVICES SPECIALIST

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

C. DETAILS OF THE INVESTIGATION

A group was not convened. The NTSB Vehicle Recorder Division received a file from the following device:

Recorder Manufacturer/Model: AgNav Guia Platinum
Filename: 762Flight.csv

1.0 Device Description

The AgNav Guia Platinum is a compact GPS device used to provide pilots customizable agricultural spray application data on a color moving map. The unit has an 8.4-inch touch screen display and is enclosed in a ruggedized housing. The moving map displays a customizable interface which allows pilots to monitor application information and navigational landmarks. The device includes a built-in wireless internet adapter, as well as a 3G SIM card slot for mobile internet. The device has an obstacle warning feature which is compatible with FAA tower obstacle data and provides pilots warnings regarding incoming obstacles and power lines. The unit is capable of recording GPS parameters and application information.

1.1 Data Recovery

Data was downloaded from the device by the operator and sent electronically to the Vehicle Recorder Division.

1.2 Recording Description

The data received included the previous flight and accident flight starting at 08:25:03 EST and ending at 10:08:59 EST on May 20, 2024.¹

The AgNav data contained some errors: altitude is reported to be around 17 feet higher than the aircraft was and the flight track generated goes beyond the wreckage site by several hundred feet. Correspondence with AgNav revealed that the AgNav device lost GPS satellite signal after 10:08:29, despite the device continuing to record beyond that time. 10:08:29 should be considered the last valid data point. These errors were not corrected - all data in this report were unmodified other than for unit conversions.

Table 1 describes data parameters provided by the AgNav device. Time, Latitude, Longitude, Groundspeed, Heading and Altitude are recorded by the device.

Table 1. GPS Data Parameters.

Parameter Name	Parameter Description
Time	Time (EST) for recorded data point (HH:MM:SS)
Latitude	Recorded Latitude (degrees)
Longitude	Recorded Longitude (degrees)
Alt	Recorded GPS Altitude (feet)
Groundspeed	Derived average groundspeed (knots)
Head	Heading (degrees)

D. OVERLAYS

Data obtained from the AgNav were used to produce the following figures. Figures 1-6 are graphical overlays generated using Google Earth. The weather and lighting conditions in Google Earth are not necessarily the weather and lighting conditions present at the time of the recording.

Figure 1 provides an overview of the entire previous and accident flight. Figures 2-6 are zoomed in overlays detailing the landing and runway excursion of the accident flight at Buckingham Field Airport (FL59), Fort Myers, Florida.

The corresponding tabular data used to create figures 1 to 6 are provided in electronic comma-separated value (CSV) format as attachment 1 to this report.

Submitted by: Jonny Xue - Recorder Specialist

¹ All dates and times are referenced to Eastern Standard Time (EST).

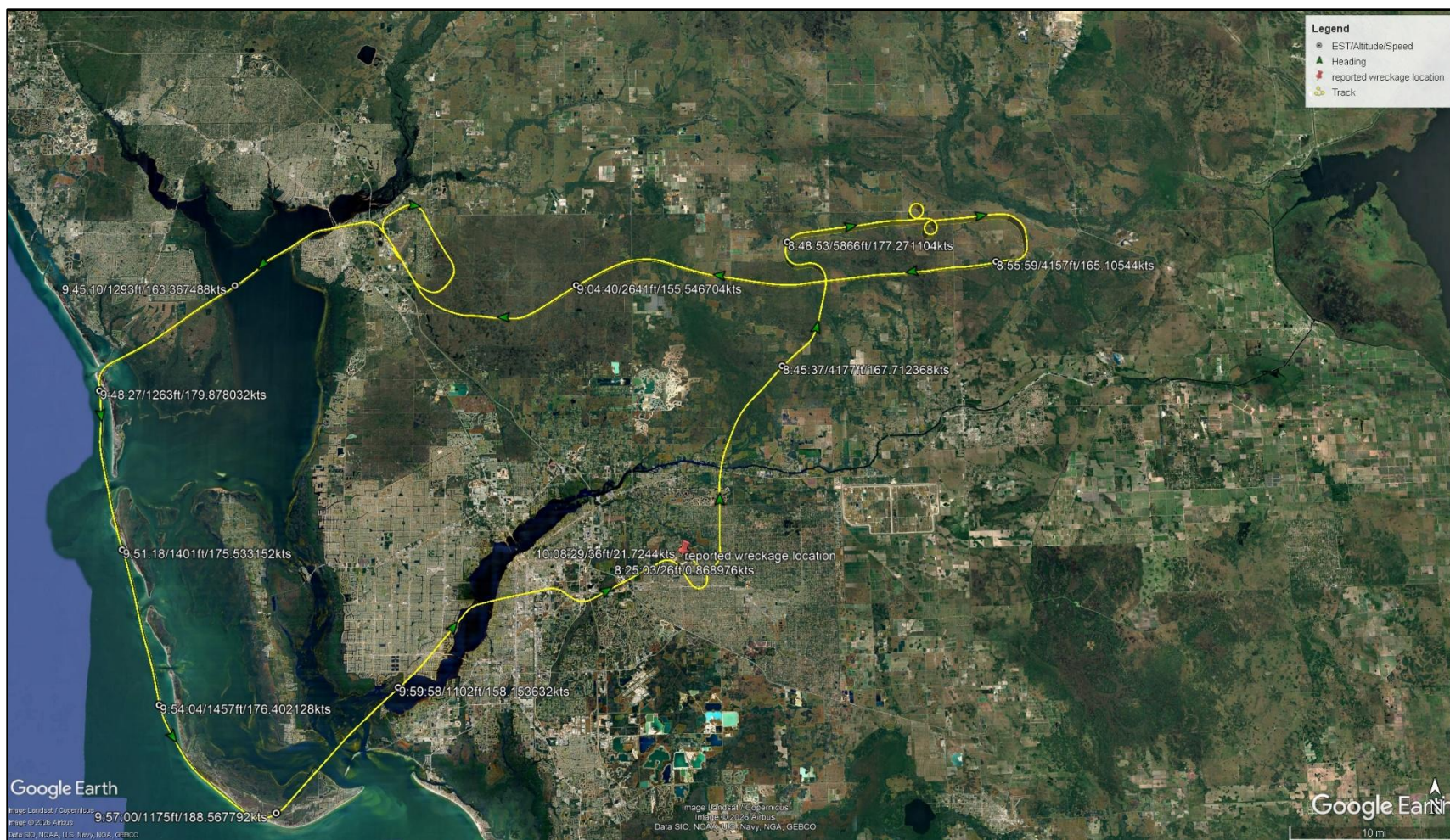


Figure 1. Google Earth overlay of the previous and accident flight.

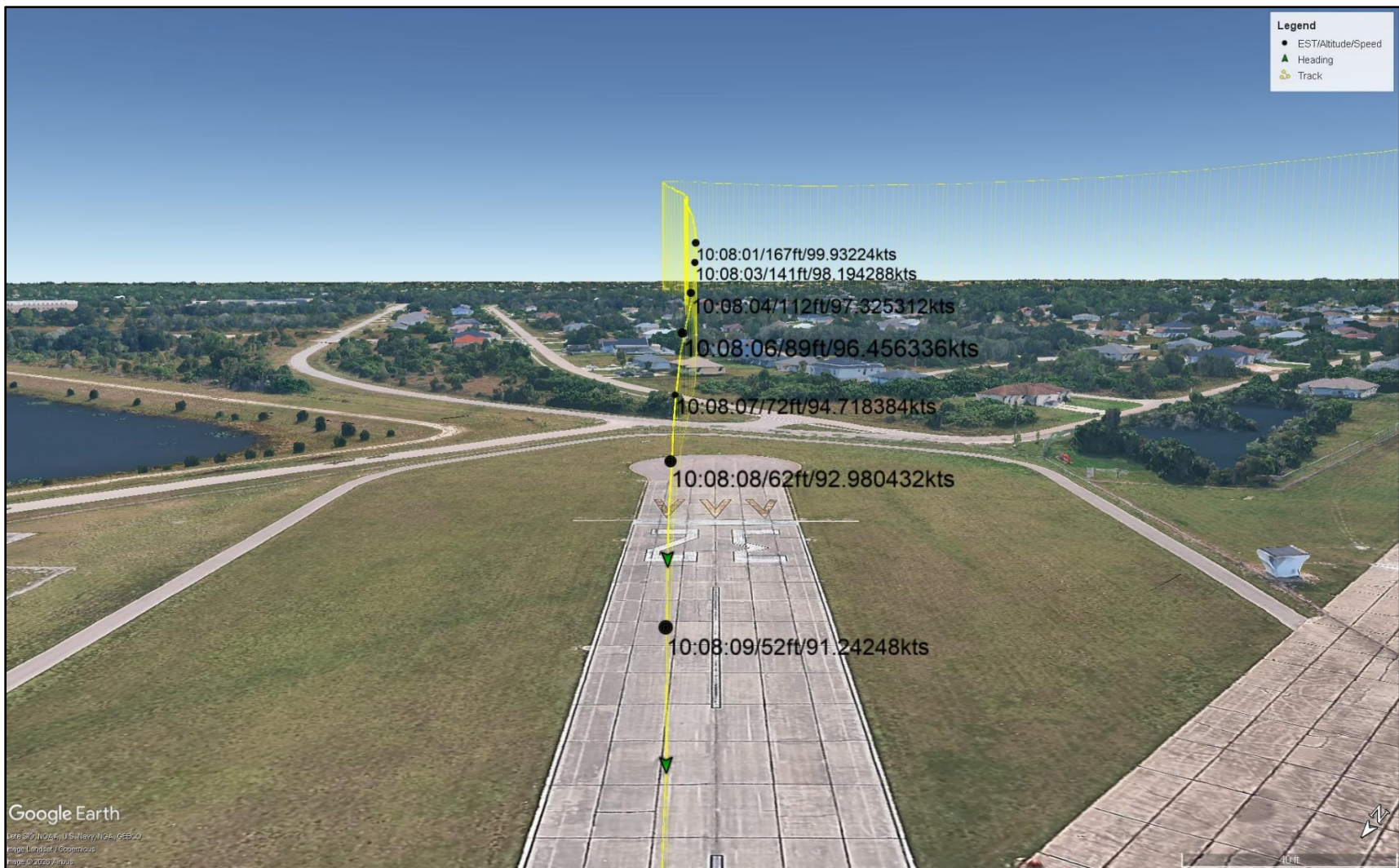


Figure 2. Google Earth overlay of N762MC right before touchdown.

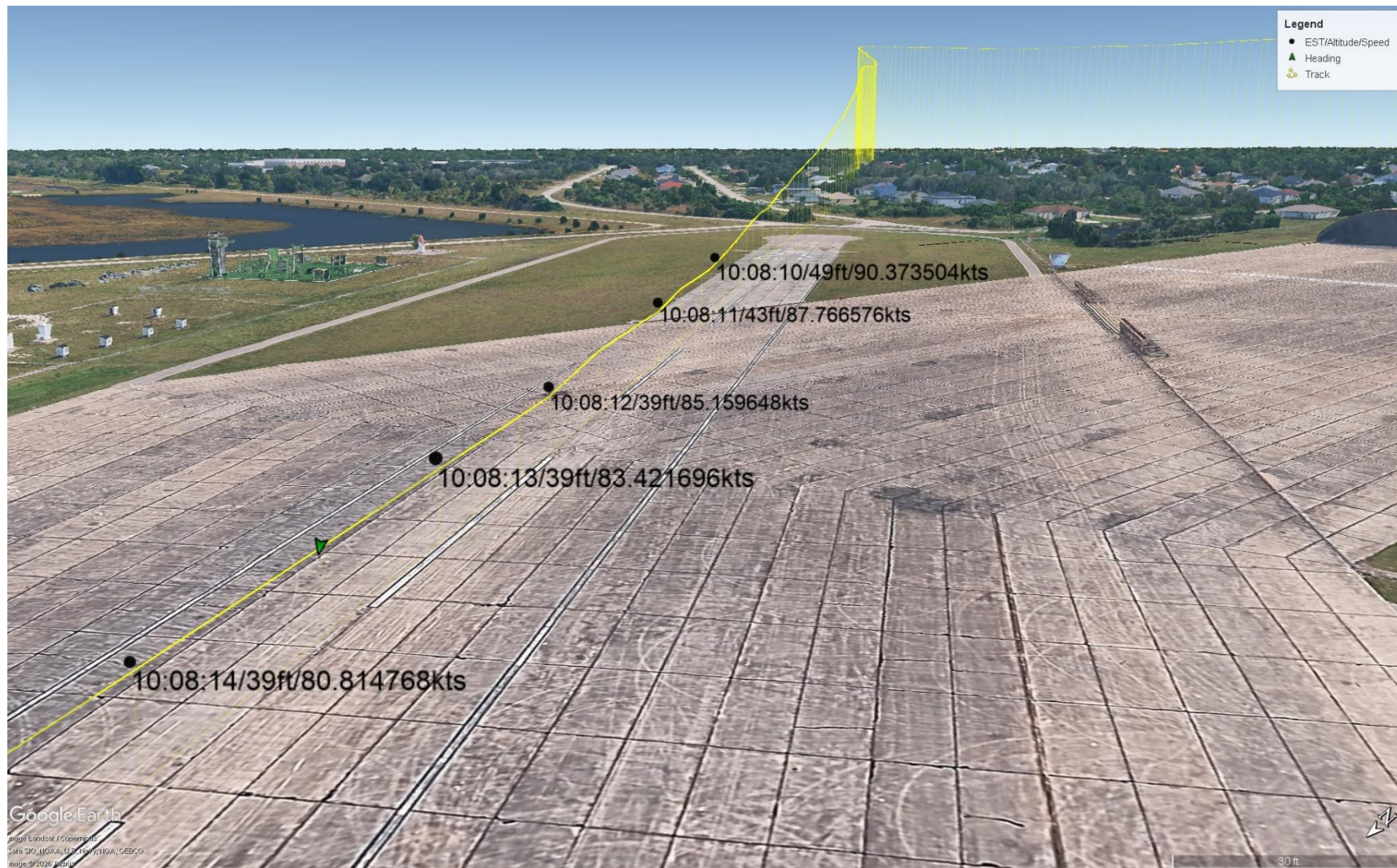


Figure 3. Google Earth overlay of N762MC when its altitude levels out on the runway.

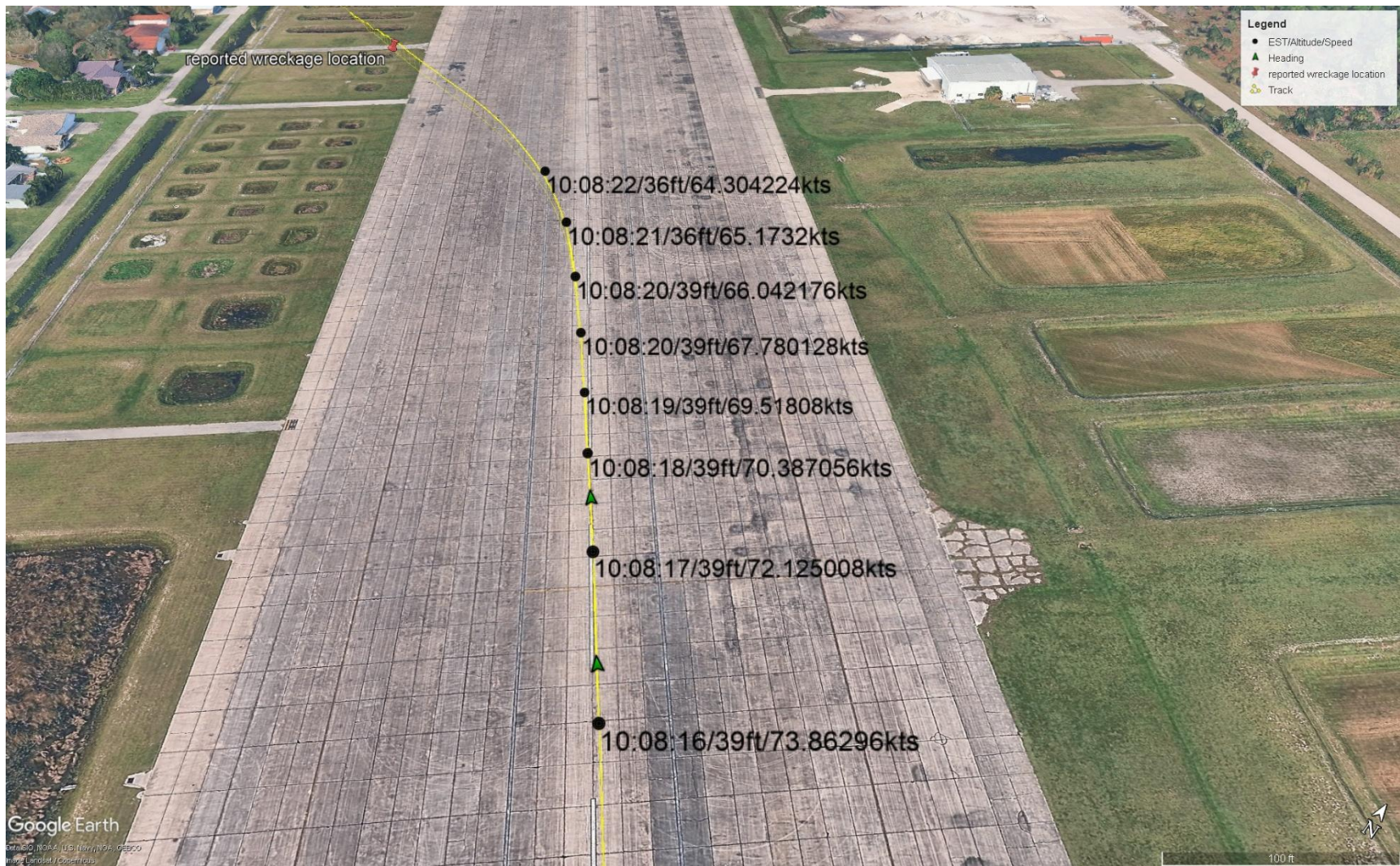


Figure 4. Google Earth overlay of N762MC when its course begins deviate from the runway.

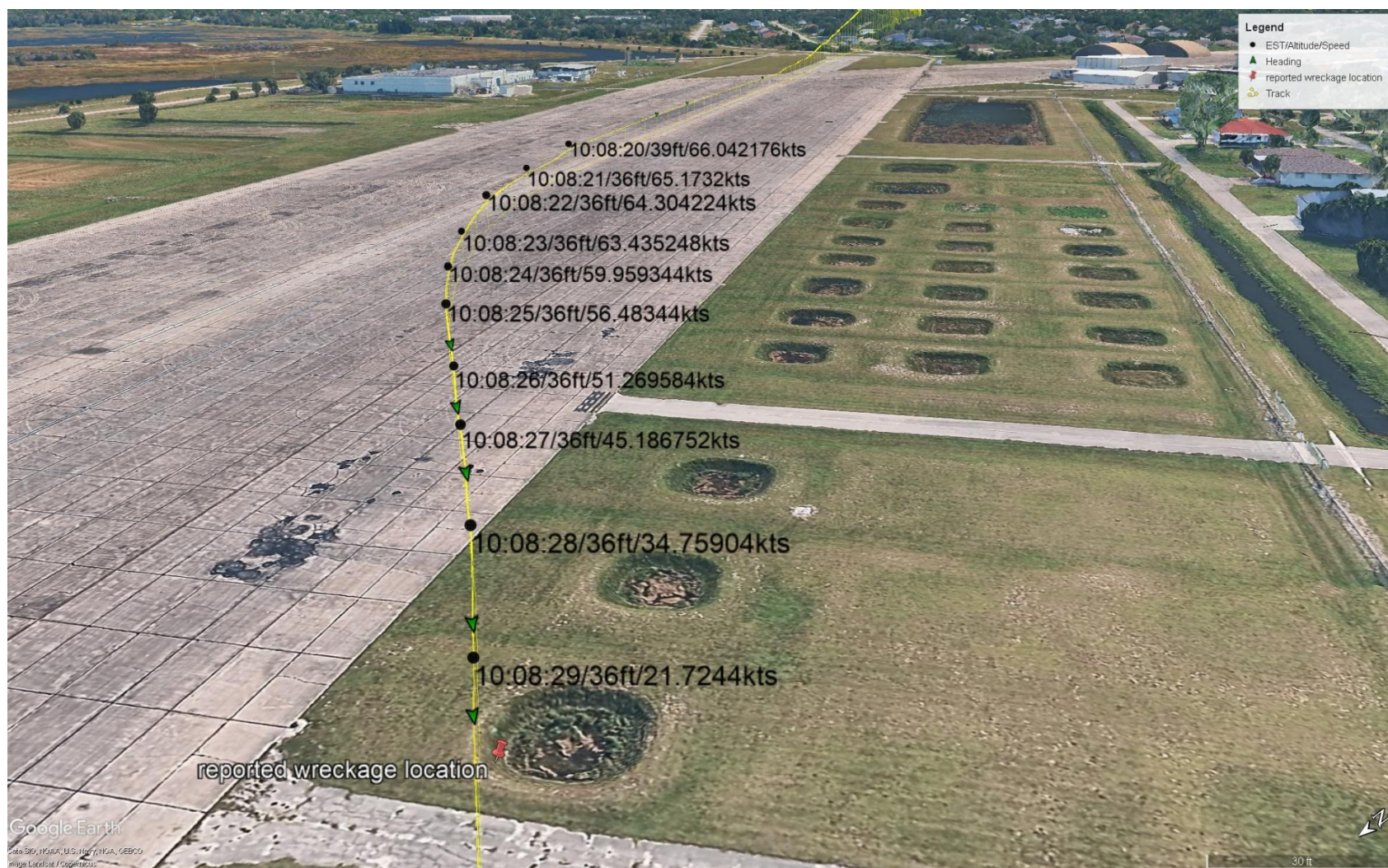


Figure 5. Google Earth overlay of an alternate view of N762MC deviating from its straight landing path.



Figure 6. Google Earth overlay of N762MC's track continuing beyond the wreckage site. The GPS signal was lost after 10:08:29 EST.