



NATIONAL TRANSPORTATION SAFETY BOARD

Office of Aviation Safety
Washington, D.C. 20594

April 15, 2020

Radar Graphics

AIR TRAFFIC CONTROL

CEN19FA332

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A. ACCIDENT

Location: Prairie Grove, Arkansas
Date: September 23, 2019
Time: 2040 central daylight time (CDT)¹
0140 coordinated universal time (UTC), September 24, 2019
Airplane: N4658X, a Cessna 150G

B. AIR TRAFFIC CONTROL SPECIALIST

Betty Koschig
Senior Air Traffic Investigator
Operational Factors Division (AS-30)
National Transportation Safety Board

C. SUMMARY

On September 23, 2019, about 2040 central daylight time, a Cessna 150G, N4658X, was substantially damaged when it impacted terrain near Prairie Grove, Arkansas. The pilot, the sole occupant, was fatally injured and the airplane was substantially damaged. The airplane was operated as a Title 14 *Code of Federal Regulations* Part 91 personal flight.

D. DETAILS OF THE INVESTIGATION

An onsite investigation was not conducted. The factual information provided in this report was compiled using data obtained from the Federal Aviation Administration (FAA), which included the Fort Smith Regional Airport (FSM) approach control audio recordings²; and FAA certified radar data³.

E. FACTUAL INFORMATION

1.0 Radar Graphics

Figures 1 through 3 are Google earth screenshots illustrating specific portions of N4658X's flight path. Each screenshot contains a legend describing pertinent chart information and text boxes and/or labels that describe specific timeline information and/or time and altitude information of the radar targets. Figure 4 is a MapPoint screenshot illustrating the final portion of the airplane's flight path. The screenshot contains a legend describing pertinent chart information, and text boxes that contain specific times and altitudes of the radar targets.

¹ All times are central daylight time (CDT) unless otherwise noted.

² See Attachment 1 – FSM Audio Recording.

³ See Attachment 2 – Radar Data.

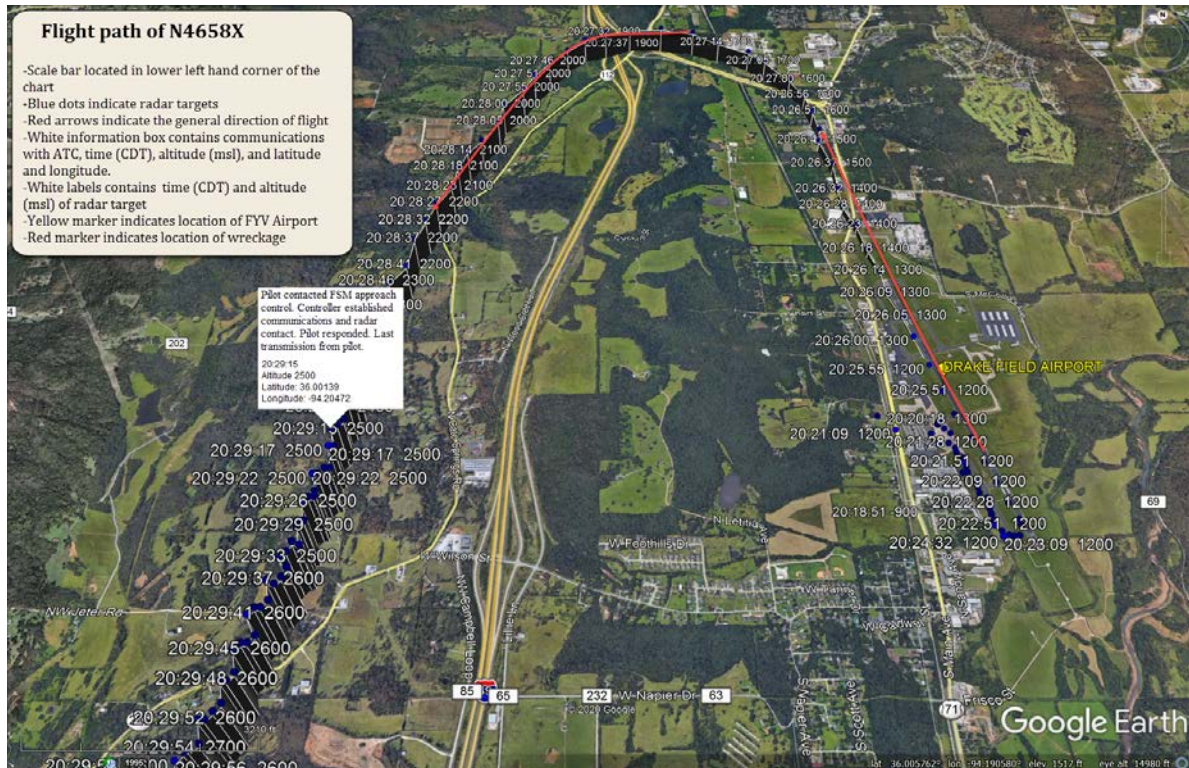


Figure 1. Google earth screenshot illustrates the first portion of the flight after N4658X departed Drake Field Airport (FYV) Fayetteville, Arkansas, and includes pilot/controller communications.

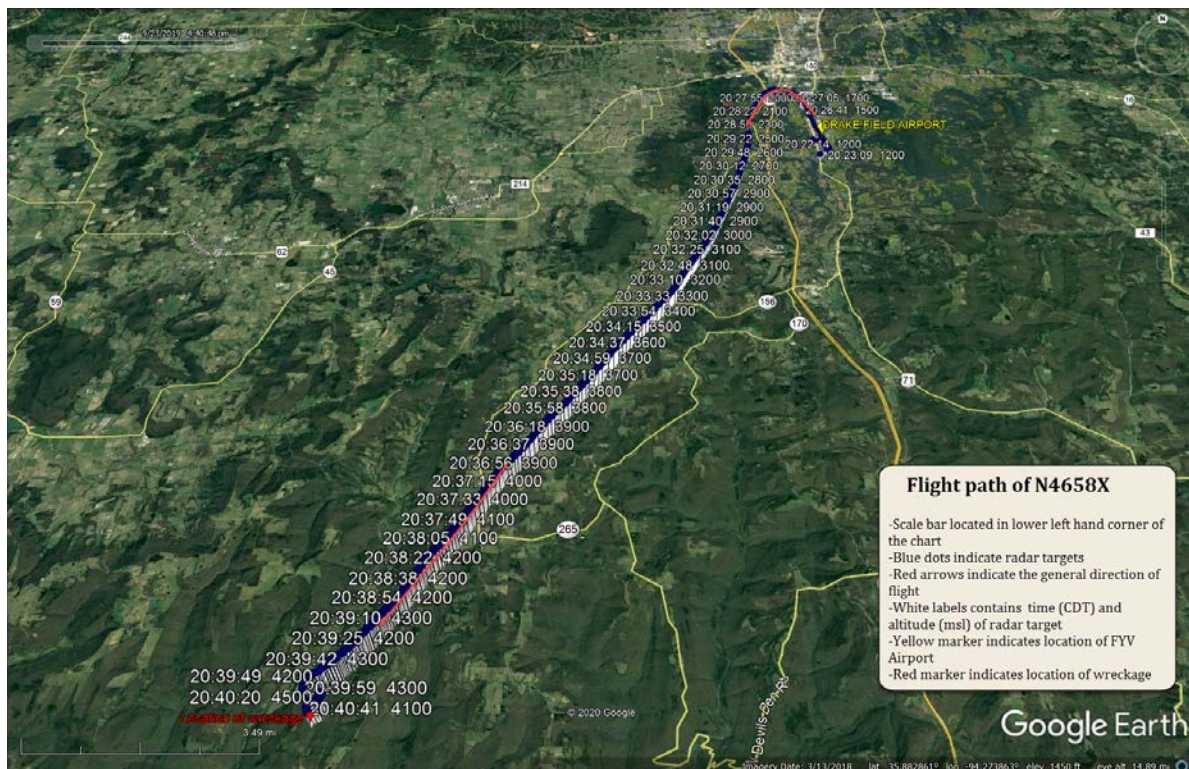


Figure 2. Google earth screenshot depicts the complete flight path of N4658X after departing FYV Airport.

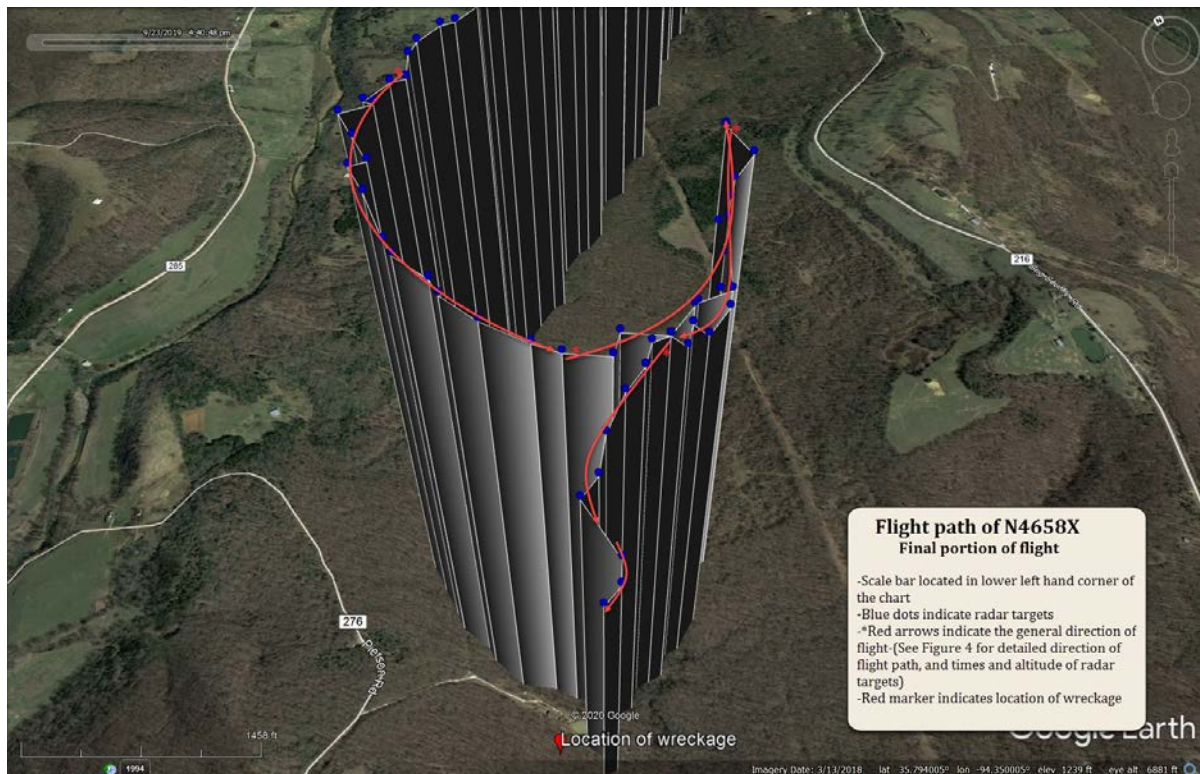


Figure 3. Google earth screenshot illustrates the final portion of N4658X's flight path.

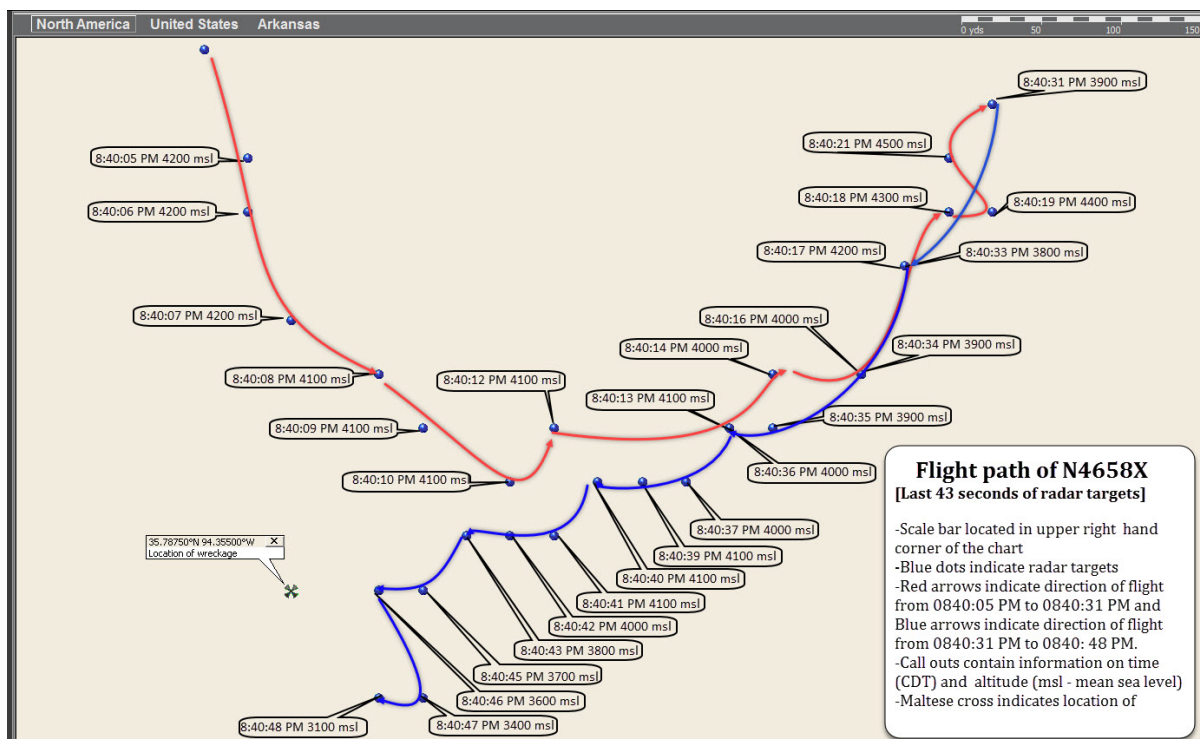


Figure 4. MapPoint screenshot illustrates the direction of flight and depicts the times and altitudes of the radar targets for the last 43 seconds of the airplane's flight.

F. LIST OF ATTACHMENTS

Attachment 1 – FSM audio data

Attachment 2 – Radar Data

Submitted by:

Betty Koschig
Senior Air Traffic Investigator