



NTSB Review of ForeFlight Data

N7323K

NTSB Investigation: ERA20LA305, Luray, Virginia



Description of Review

ForeFlight LLC. was requested by the NTSB investigator-in-charge (IIC) to search their database for all activity associated with the pilot's account. According to ForeFlight, the pilot had submitted a Special Flight Rules Area (SFRA) flight plan with an exit gate of FLUKY GPS waypoint. No additional flight plans were located, and no weather briefings nor weather imagery were requested via the application on the day of the accident.

Several route of flights were entered within the 24 hours preceding the accident. This briefing provides a review of the final five routes of flight entered near the takeoff and entered enroute. All times are local eastern daylight time (EDT-4) with exception to the data exported from ForeFlight which was in UTC.



Route of flight near the time of departure

Final 5 Routes Entered	Raw ForeFlight Route of Flight Text String
5 (Final)	8/31/2020 22:43:06 2W5 38.569/-77.667 W99 KCHO W78 KTTA N7323K
4	8/31/2020 22:43:00 2W5 38.569/-77.667 W99 KCHO W78 KTTA KFFA N7323K
3	8/31/2020 22:39:51 2W5 38.569/-77.667 KMRB W99 KCHO W78 KTTA N7323K
2	8/31/2020 22:39:03 2W5 38.677/-77.665 KMRB W99 KCHO W78 KTTA N7323K
1	8/31/2020 22:16:36 2W5 38.677/-77.665 KMRB KCHO W78 KTTA N7323K

Description of Data: On the day of the accident, at 1816:36 local (22:16:36 UTC), which was about 3 minutes prior to takeoff, the route entered contained the departure airport, custom pilot entered GPS coordinates of 38.677/-77.665, followed by Martinsburg Airport (MRB), Martinsburg, West Virginia.

Three additional airports (CHO, W78, TTA) are also listed in the route, after MRB.

KCHO: *Charlottesville-Albemarle Airport Charlottesville, Virginia*

W78: *William M. Tuck Airport South Boston, Virginia*

KTTA: *Raleigh Executive Jetport at Sanford-Lee County Airport, Sanford, North Carolina*



Two additional route of flight entries

Final 5 Routes Entered	Raw ForeFlight Route of Flight Text String
5 (Final)	8/31/2020 22:43:06 2W5 38.569/-77.667 W99 KCHO W78 KTTA N7323K
4	8/31/2020 22:43:00 2W5 38.569/-77.667 W99 KCHO W78 KTTA KFFA N7323K
3	8/31/2020 22:39:51 2W5 38.569/-77.667 KMRB W99 KCHO W78 KTTA N7323K
2	8/31/2020 22:39:03 2W5 38.677/-77.665 KMRB W99 KCHO W78 KTTA N7323K
1	8/31/2020 22:16:36 2W5 38.677/-77.665 KMRB KCHO W78 KTTA N7323K

Description of Data: At 1839:03 and then again at 1839:51 while the airplane was in-flight, two routes entered maintain MRB as the first destination, however Grant County Airport (W99), Petersburg, West Virginia, is added into the route string prior to CHO airport and subsequent airports. The custom pilot entered GPS coordinates vary slightly also.



The two final routes of flight entered

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4	8/31/2020 22:43:00 2W5 38.569/-77.667 W99 KCHO W78 KTTA KFFA N7323K
3	8/31/2020 22:39:51 2W5 38.569/-77.667 KMRB W99 KCHO W78 KTTA N7323K
2	8/31/2020 22:39:03 2W5 38.677/-77.665 KMRB W99 KCHO W78 KTTA N7323K
1	8/31/2020 22:16:36 2W5 38.677/-77.665 KMRB KCHO W78 KTTA N7323K

Description of Data: At 1843:00, the final two routes are entered within 6 seconds of each other. These routes entered have changed the first destination airport to W99 and MRB has been removed from the route of flight. CHO, W78, and TTA remain within the route of flight following W99. The custom pilot entered GPS coordinates remained the same in the two routes.

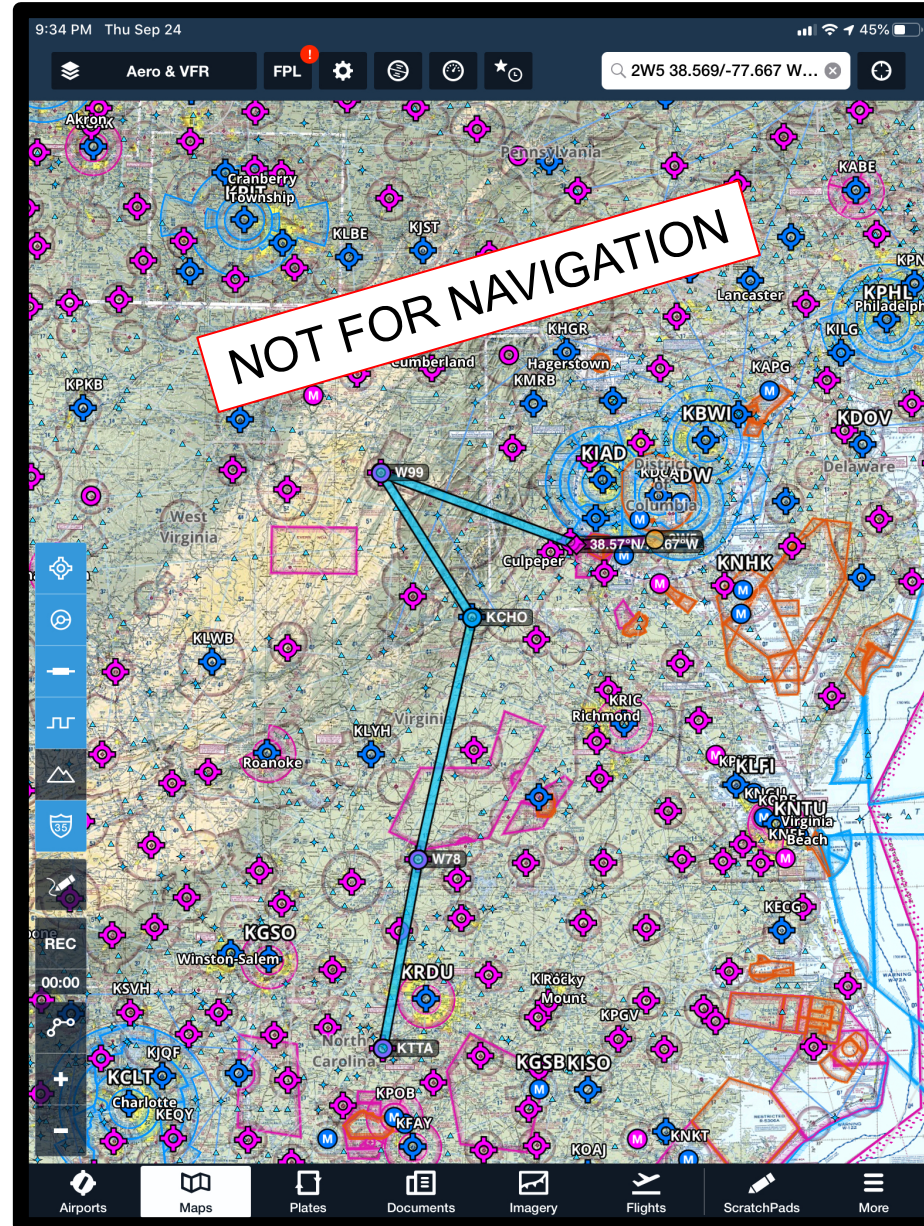


Visual Overview of Last Route Entered

Route of Flight Text String: **8/31/2020 22:43:06 2W5 38.569/-77.667 W99 KCHO W78 KTTA N7323K**

NOTE: This last route entered has been entered into the ForeFlight application postaccident for visual clarity.

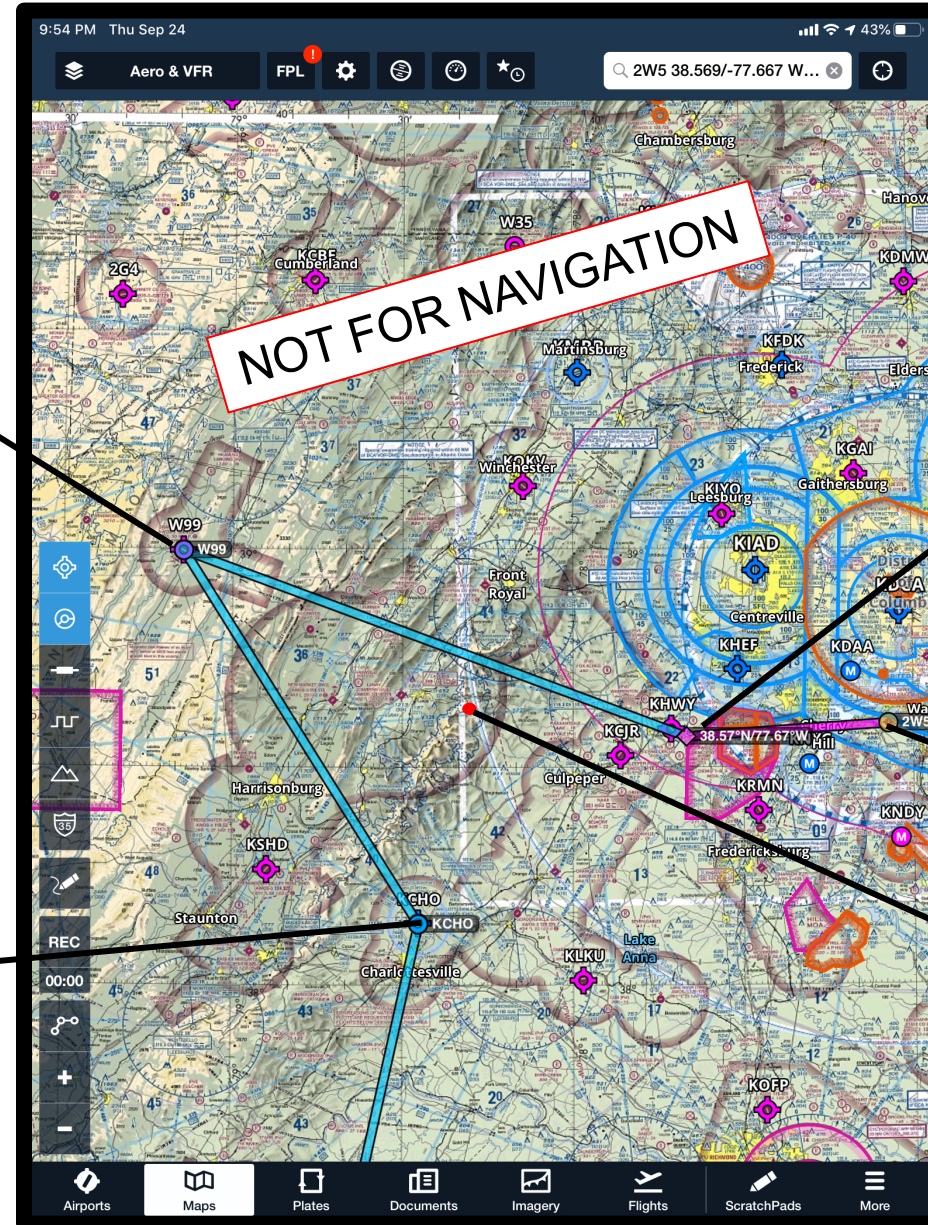
This map and subsequent map figures are not a representation of what the pilot may have been viewing. Several background options can be applied by the pilot, and there was no data obtained to know exactly what the pilot was viewing during flight.



Visual Overview of Last Route Entered (Closer View)



Route of Flight Text String: **8/31/2020 22:43:06 2W5 38.569/-77.667 W99 KCHO W78 KTTA N7323K**



W99 Airport
Grant County Airport
Petersburg, West Virginia

Pilot entered GPS Coordinates
(38.569/-77.667)

2W5, Departure Airport

CHO Airport
Charlottesville-Albemarle
Airport, Charlottesville, Virginia

Accident Site

Airplane Position at 1839 and 1843 local

