

NATIONAL TRANSPORTATION SAFETY BOARD

Vehicle Recorder Division

Washington, D.C. 20594

November 23, 2020

Voyage Data Recorder (VDR)

Specialist's Factual Report

By Nick Swann

1. EVENT SUMMARY

Location: Chesapeake, VA
Date: September 23, 2019
IMO: 9604809
Vessels: Ijssel Confidence
NTSB Number: DCA19FM053

2. GROUP

A data group was not convened.

3. DETAILS OF INVESTIGATION

The National Transportation Safety Board (NTSB) Vehicle Recorder Division received data from the following VDRs:

Device Manufacturer/Model:	JCY-1800
Serial Number:	N/A
Vessel:	Ijssel Confidence

3.1. JCY-1800 Description

The JCY-1800 is a VDR system capable of recording navigation, propulsion, control surface, alarm, and automatic identification system (AIS) data. Additionally, bridge audio and communications audio channels are recorded by the system. A minimum of 12 hours of data are recorded by the system.

3.2. Data Recovery

The data was provided to the NTSB Vehicle Recorder Division as a series of file structures. The files were then converted into the National Marine Electronics Association (NMEA) 0183 format using the provided software from the manufacturer of the VDR. From there, lab software was used to convert the data into engineering units.

3.3. Time Correlation

The extracted data was recorded in universal coordinated time (UTC) and was converted and will be displayed as local time (EDT) for the remainder of this report.

3.4. Data Description

The data recovered was from 0100 EDT to 1330 EDT on September 23, 2019. Data from the time period of 0600 to 0730 UTC was deemed pertinent to the investigation and is plotted below. The data used to create the following plots is attached in electronic (*.csv) form to this report.

3.5. Overlays and Tabular Data

Figure 1 is a graphical overlay generated using Google Earth for the accident voyage. The weather and lighting conditions in Google Earth are not necessarily the weather and lighting conditions present at the time of the recording. The data shown is from 0600 to 0730 EDT.

Figure 2 is parametric data surrounding the accident.



Figure 1. Google Earth overlay showing the accident voyage from 06:00 to 07:30.

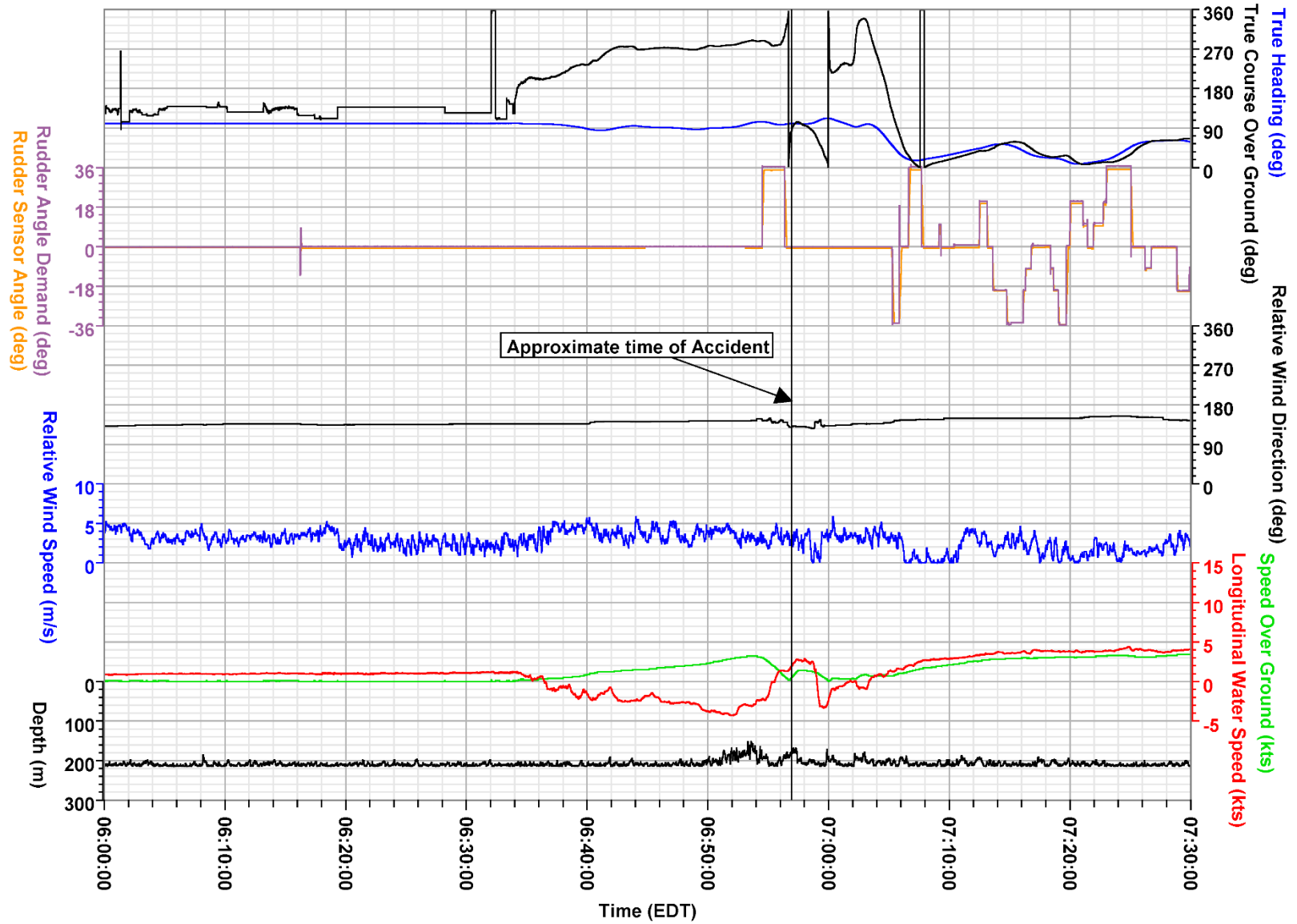


Figure 2. Plot of parametric data for accident voyage.