

NATIONAL TRANSPORTATION SAFETY BOARD

Vehicle Recorder Division
Washington, D.C. 20594

January 23, 2017

Image Recording Devices

Specialist's Factual Report
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1. EVENT SUMMARY

Location: Osage Beach, Missouri
Date: October 22, 2016
Aircraft: Beech C23
Registration: N20087
Operator: Private
NTSB Number: CEN17FA024

2. GROUP

A group was not convened.

3. DETAILS OF INVESTIGATION

The National Transportation Safety Board (NTSB) Vehicle Recorder Division received the following devices:

Device 1:	64GB SD Card (from Sony camera)
Device 2:	64GB microSD Card (from Garmin VIRB)

3.1. Device Description

The two memory cards are used to record digital photographs and videos. The recording devices were a conventional Sony digital camera and a Garmin VIRB. The Garmin VIRB is capable of recording still photos, videos, sound, and certain parametric data, including GPS position.

3.2. Device Condition

Upon arrival at the Vehicle Recorder Laboratory, an examination revealed the memory cards had not sustained any damage and information was extracted normally.

3.3. Data Description

The SD card from the Sony camera contained no media pertinent to the accident flight.

The microSD card from the Garmin VIRB contained file system timestamps before the accident flight and timestamps around the time of the accident. Additionally, there were at least two files in the file system reporting a size of "0" bytes. When a file in the file system shows a size of 0, a corrupted file system is suspected.

A binary image was made of the entire 64GB microSD card. Video file fragments throughout the entire 64GB image were identified and repaired. None of the video fragments were identifiable as related to the accident flight.

None of the recorded parametric data was pertinent to the accident flight.