

**NATIONAL TRANSPORTATION SAFETY BOARD**  
Vehicle Recorder Division  
Washington, DC 20594

November 8, 2012

## **On Board Image Recorder**

**Specialist's Factual Report**  
**By Bill Tuccio**

### **1. EVENT**

Location: Brownsboro, Alabama  
Date: September 16, 2012  
Aircraft: Yakovlev Yak-52, N2207X  
Operator: Private  
NTSB Number: ERA12FA565

### **2. GROUP**

A group was not convened.

### **3. SUMMARY**

On September 16, 2012, about 1515 central daylight time, an experimental, Yakovlev Yak-52, N2207X, registered to Matrushka LLC and operated by an individual, sustained substantial damaged from ground impact at Moontown Airport (3M5), Brownsboro, Alabama. The pilot and the student pilot rated passenger were fatally injured. Visual meteorological conditions prevailed at the time and no flight plan was filed for the Title 14 Code of Federal Regulations, Part 91, personal flight. The flight originated from 3M5, about 1450. An SD card was sent to the National Transportation Safety Board's Image Laboratory for readout.

### **4. DETAILS OF INVESTIGATION**

The NTSB Vehicle Recorder Division's Image Laboratory received the following memory device:

Recorder Manufacturer/Model: **SanDisk 8GB SDHC Card**  
Recorder Serial Number: **B11213222507G**

#### **4.1. Recorder Description**

The Sandisk SDHC card is a non-volatile memory<sup>1</sup> storage device. This particular device had 8GB of capacity with a 30 MB/s transfer speed.

#### **4.2. Recorder Damage**

Upon arrival at the audio laboratory, it was evident that the SDHC card had not sustained any heat or structural damage and the files on the device were extracted normally, without difficulty

##### **4.2.1. Files**

The device contained 1,032 JPG photos, each about 3-4MB in size. The metadata on the photos indicated they were taken from a Nikon D3100 camera, with resolution of 4,068 x 3,072. The camera recorded timestamps indicated the photos were taken between September 11, 2012 and September 15, 2012. No effort was made to validate the accuracy of the timestamps.

#### **4.3. Summary of Recording Contents**

A review of the photos indicated they were not pertinent to the investigation.

Bill Tuccio  
Vehicle Recorder Division

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<sup>1</sup> Non-volatile memory is semiconductor memory that does not require external power for data retention.