



## RECORD OF EMAIL

**Samantha Link**  
**Aviation Accident Investigator**  
**Western Pacific Region**

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**Date: June 5, 2019**  
**Person Contacted: Mr. Sean Payne (NTSB Mechanical Engineer)**  
**NTSB Accident Number: WPR19FA123**

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### **Narrative:**

Mr. Payne reported the following over email (pictures included):

The Vehicle Recorder Division received a Kodak PixPro SP360 4K Action Camera (serial number M045009883). The device arrived exhibiting evidence of severe impact damage (kodakcamera.jpg, kodakcamera2.jpg). The memory card was of microSD style and was found seated in the appropriate memory card slot within the camera. The camera was disassembled and the microSD card was extracted. The microSD card was found to be cracked. Approximately one third of the memory card was missing (WPR19FA123\_chip1.jpg). The second half of the card was not present with what was shipped to the laboratory.

The microSD card was examined using an x-ray microscope. The x-ray microscope revealed that the memory card was cracked in such a manner that precluded not only normal recovery, but alternative methods of recovery (WPR19FA123\_chipXray.bmp). The alternative method of recovery involves reading the microSD card through test points found in the memory card. Many of these test points were either severed or missing.

In the event the missing one third of the memory card was located, repair and readout is still not possible.

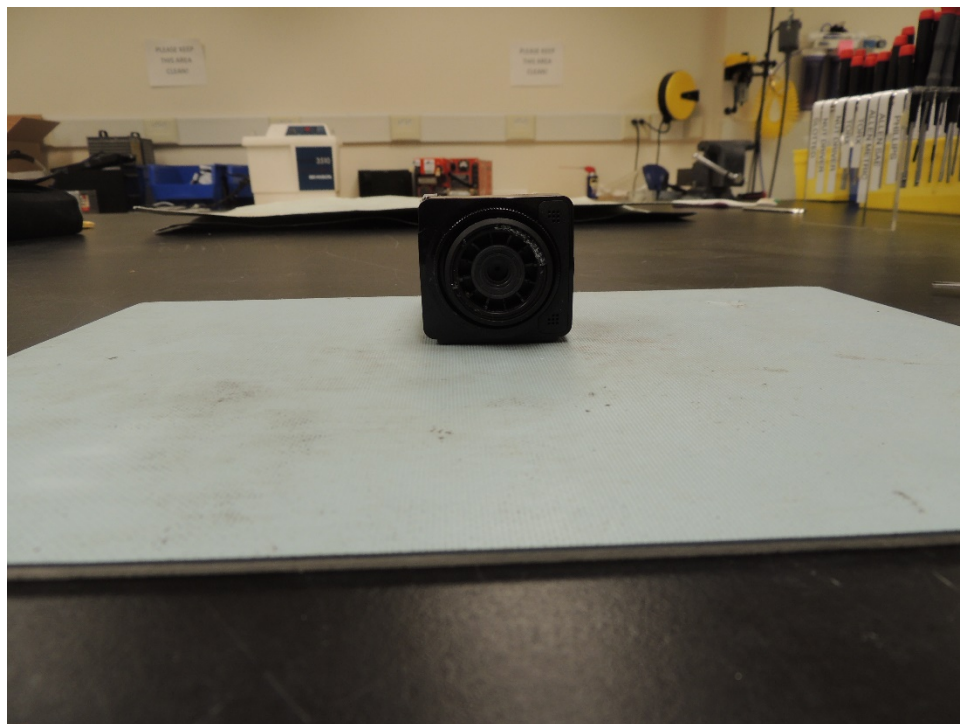
Due to the damage, no data could be recovered from the device.

Sean Payne  
Mechanical Engineer  
Vehicle Recorders Division (RE-40)  
National Transportation Safety Board – NTSB

**PHOTOS:**



*Figure 1: Camera Information*



*Figure 2: Front of Camera*



Figure 3: Memory Card

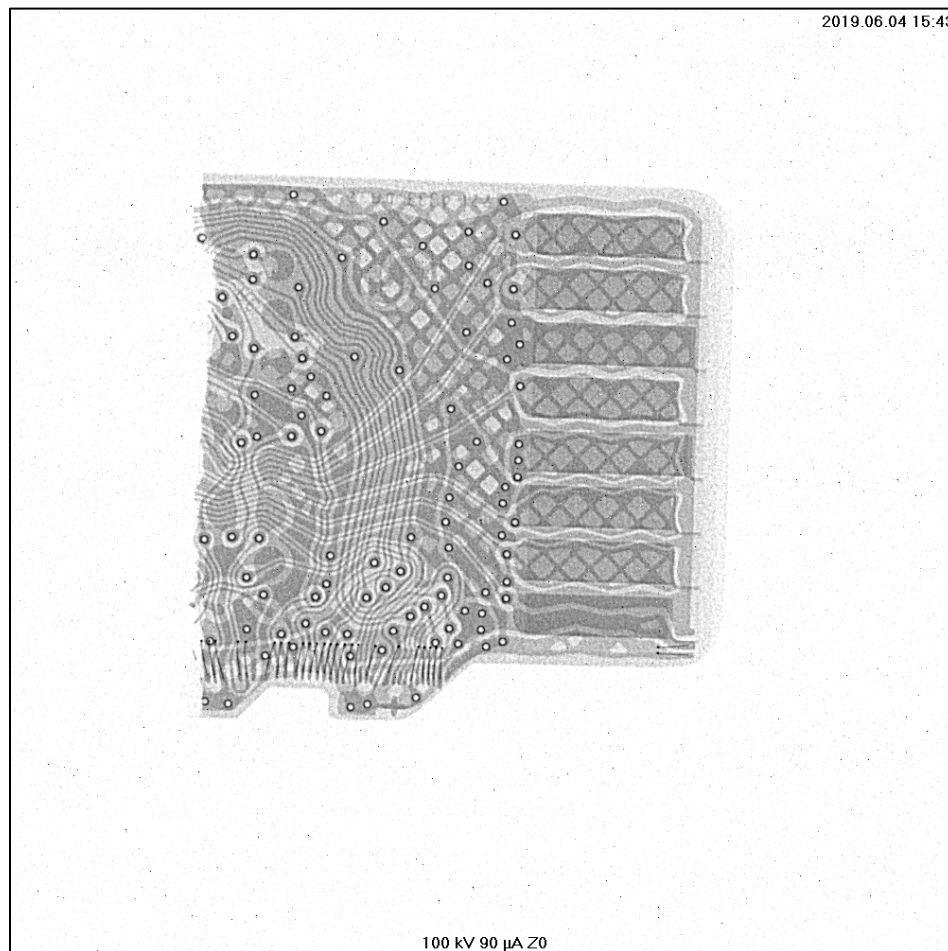


Figure 4: X-ray of Memory Card

END. Submitted by: Samantha Link