



SPACE SHUTTLE PROGRAM
Flight Software Office
NASA Johnson Space Center, Houston, Texas



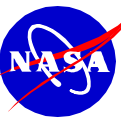
Flight Software Office (FSO) STS-133 In-Flight Anomaly Review SR 4874A

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STS-133 FSW Issues Overview

Presenter **D. RUTISHAUSER**

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| Tracking # | Description | IFA? | IIFA? |
|-------------------------------------|------------------------|------|-------|
| STS-133-S-001, (MER-08, AR-5238) | OCA Hard Drive Failure | Y | N |

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FSO STS-133 IFA Review Discussion

Presenter **D. RUTISHAUSER**

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- **STS-133-S-001, (MER-08, AR-5328), OCA Hard Drive Failure**

- On FD 9, OCA Officer could not access Shuttle network via STS assets. Shuttle Network was accessible via ISS assets (due to STS-ISS interconnect). Reboot of OCA unsuccessful, and subsequent error messages indicated a hard drive failure. Crew replaced with one of three available spare hard drives and OCA functioned nominally for the remainder of the mission. Impact was 15 minutes of crew troubleshooting, and Shuttle crew Private Family Conferences (PFCs) were moved to the ISS assets.
 - **IFA?** – Yes
 - **IIFA?** – No, does not impact integrated hazards or multiple elements per NSTS 08126 (imagery and inspection analysis proceeded as required)
- **Post flight activities** – Hard drive testing to reproduce/confirm failure and removal of failed hard drive from flight inventory. Standard process of pre-flight, post installation acceptance testing and SAIL testing will continue for PGSC assets on remaining missions.