



OBSW Upgrade  
Status of TX1  
Plans for the COGEX experiment

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Upload on Monday 26th of May

LAR delay

SWAP download blockage

LZW update

Image prioritisation during LAR

Avoid using SDRAM address

0x60151250

Monitor on wheel speed for Bdot

Monitor on RW4 current

SWAP HK during image downloading

PROBA-V retrofit:

GPS power cycle in case of latchup

GPS F40 message filtering

AOCS IF commanding in 1 go

PCI bridge bug recovery

Retry on downlink of detailed  
schedule reports

On-board scheduler TC queue size

8 SPB tickets

## TX-1 failure



Based on the report produced by STT, the most likely cause is a sudden component failure.

It is unlikely that TX1 can be made operational again and there is no suggested further action to be taken for anomaly investigation.

On the positive side there is also no evidence to expect a similar anomaly to happen on TX2.

ROB CogexRisk.pdf email 2015-06-19:

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Given this ESA experience and the known sensitivity of the PROBA2 (E)UV instruments we do not support releasing the COGEX gas from its tank before the end of the SWAP and LYRA operations. We acknowledge that the responsibility for this decision is with the PROBA2 project and not with the instrument teams.

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ROB note and associated mission risks under evaluation by ESA.

