

Revolution 413 Pass Summary

(DOY 061 z to DOY 063 z)

Target

The observations in revolution 413 began with a Hexagonal dither of the Galactic Bulge region (RA 17:45:36.00; DEC -28:56:00.0), which lasted ~3.5 hours. This was followed for the remainder of the revolution by a Galactic Centre Deep Exposure, which lasted ~54.2 hours.

Throughout these observations all instruments were in their nominal science modes, except JEM-X2 for which the DFEE was off, and the TM allocation was IBIS 129; SPI 103; JEM-X1 8; JEM-X2 1; OMC 5.

Ground Station Coverage

Real Coverage (Before Playback)

Redu VC0	Redu VC7	Goldstone VC0	Goldstone VC7
99.95%	99.96%	99.64%	99.88%

Total Number of Slew = 87

Missed Slews = 2

Missed Pointings = 2

Definitions:

- ⇒ A **Slew** is **LOST** (wrt the planning) if not performed at the expected time reported in T/L.
- ⇒ A **Scientific Pointing** is **LOST** if Attitude or OTF or PID (>0), are not reached at the expected time in T/L and for the entire planned duration of the pointing (PDUR).
- ⇒ **NO** univocal definition can be given for **Pointing Partially LOST**/executed because depending by many factors like instrument configuration, BCPKT setting, histogram downloading, therefore this case shall not be considered/mentioned.
- ⇒ **Inside Radiation Belts**, where no science is produced, if a **Slew** is **LOST** from the T/L, but performed later on with a recovery, the **Pointing** is **NOT** considered **LOST**.

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Problem Areas & Not Planned Events

DOY / Time	Description
061 00:04-00:31	The CMDverifier running on imca died. Slew ID #0010 lost. Seq: KEDATA02; GESTAN02 and DEBPFM00 not uplinked. CMDverifier restarted. TPF for the slew #0011 produced manually and applied to the A/S. Lost sequences re-uplinked.
061 / 01:05	P. ID #0011 OTF not reached. DEBPFU00 > OTF to reached.
061 / 06:38	# Bad TM frames received while on Redu.
061 08:27-08:30	The IFRD running on isdsa was restarted because the MOIS tool was not receiving TM.
061 08:34-08:45	TM E0359 "U AF DCOUTPUT L9" OOL Alarm Low at -2.652 and back into limits.
061 / 15:20	Station H/O Redu to Vil2 for verification purposes.
061 / 15:50	TM G6061 "V1S-CAL-COUNT" is still reported OOL even if the limit was updated, at run time, below the actual value and broadcasted. On DoY 65 the problem was reported to SWS but is still under investigation.
061 / 16:05	G/S H/O back on Redu.
061 / 20:05	OEM: ACC PITCH ERROR OOL
061 21:47-21:50	Restarted the application IFRD running on isdsb.
062 11:01-11:11	OEM: "ACC AIMU ON" (Lost of guide star). > OTF: "NOT Reached" > P. ID #0056 Lost. A/S manually updated for slew #0057. OEM: "ACC AIMU OFF"
062 13:17-13:35	FDS failed to update the slew ID #0060. / TPF manually generated but communication problems between FDS and imca. / FD contacted. / FDS SOE Tool restarted and A/S successfully updated.
062 / 15:34	TMP swap at Redu not performed correctly: VC0 disconnected and link from Perth in shortly.
063 / 09:38	During the H/O from Redu to Goldstone the TM VC0 link dropped for less then a minute on imca only. The problem fixed by itself.