Revolution 355 Pass Summary

(DOY 252 07:50 z to DOY 255 03:51 z)

Target

The observations in revolution 355 began with a hexagonal dithering observation of the ToO HETE J1900.1-2455 (RA 19:00:13.00; DEC -24:54:44.0) lasting ~53 hours, followed by a hexagonal dithering observation of the Galactic Bulge region (RA 17:45:36.00; DEC -28:55:60.0), performed for ~3.5 hours. The hexagonal dithering observation of HETE J1900.1-2455 (RA 19:00:13.00; DEC -24:54:44.0) was then resumed and performed for the remaining ~4 hours of observation time.

Throughout these observations all instruments were in their nominal science modes, except for JEM-X2 for which the DFEE remained 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
99.88%	99.95%	99.70%	99.75%

Total Number of Slew = 70

Missed Slews = 1

Missed Pointings = 1

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**.

Problem Areas & Not Planned Events

DOY / Time	Description
252/AOS Redu	The Rev 355 begins with IBIS, OMC, JEM-X1 disabled on the A/S. Because the high radiation experienced at the end of the Rev 354.

Revolution 355 Pass Summary

(DOY 252 07:50 z to DOY 255 03:51 z)

DOY / Time	Description
252 / 08:18	JEM-X1 enabled on the A/S
252 / 09:16	"IBIS Dump" performed.
252 / 09:57	Seq. KECAL01 Unlinked
252 / 19:13	Execution of FCP_JEMX-1_0040 "JEM-X1 to Safe"
252 / 10:14	JEM-X1 disabled on the A/S.
252 / 10:17	IBIS enabled on the A/S to allow the Seq. GEBEN02 to be uplink.
252 / 10:17	TC A3085 "RC SUN STEER INI" CEV: "Unverified"
252 / 10:19	IBIS disabled on the A/S.
252 / 13:32	Small VC0 and VC7 TM drop from Redu.
252 13:22-14:04	TC A3169 "" failed release. Slew ID #0005 missed. AOCS recovery: 1. AOCS disabled on the A/S. 2. Mapping. 3. FDS used to manually generate the TPF to perform the slew ID #0005 from the M/S. 4. FDS used to manually generate the TPF to perform the slew ID #0006 from the A/S. 5. AOCS enabled on the A/S.
252 / 14:39	OEM: "SPI1 Partial Flag Overflow".
252 / 15:38	OEM: "SPI1 Partial Flag Overflow".
252 / 15:38	Seq. EEACOF02 "SPI Force ACS HV Off" uplink. TM E3944 "R SW RCONF-CAP L" violating the fix check with the value "Disabled"
252 / 21:52	OEM: "SPI1 Failure in analyzing HSL Data.
252 / 22:07	Execution of: FCP_SPI_0160" SPI transition to Configuration Mode.
252 / 22:18	SPI disabled on the A/S.
253 / 01:17	TM E2115 "T AS PSAC L1" Warning Low.
253 / 02:36	OEM: SECL OEM1
253 / 12:07	OEM: SECL OEM1
253 / 13:11	Very short TM gap from Redu
253 / 13:26	Very short TM gap from Redu
253 / 14:53	Some TM Bad Frames received from Redu.
254 / 01:40	OEM: SECL OEM1
254 / 03:00	MCCM application "Global MMI" crashed. / Successfully restarted by the SPACON.
254 / 05:37	Very short VC0 TM gap from Redu
254 / 09:46	OEM: SECL OEM1
254 17:35-17:41	TM T6055 "TCS TH RCS 5 -Y" OOL Warning High at 56.25° Celsius and back into limits.