

Revolution 277 Pass Summary

(DOY 019 00:07 to DOY 021 19:59)

Target

The planned activities in revolution 277 consisted of 13 pointings of a GPS lasting ~9 hours, followed by various hexagonal dithering observations of the Target of Opportunity V0332+53 (RA 03:35:0.00; DEC +53:10:22.8) lasting in total ~29 hours. A raster dithering observation of the Coma Cluster (RA 12:59:48.70; DEC +27:58:50.0) was then planned for the remaining ~20.5 hours of observation time.

During these observations all instruments were planned to be in their nominal science modes, except JEM-X2 for which the DFEE remained off. However all instruments spent most of this revolution in their safe modes due to high background radiation conditions as a result of solar flares. Also due to this, SPI annealing activities were brought forward and started during this revolution. The TM allocation was IBIS 129; SPI 103; JEM-X1 8; JEM-X2 1; OMC 5

Ground Station Coverage

Real Coverage

Redu VC0	Redu VC7	Goldstone VC0	Goldstone VC7
99,75 %	99,74 %	99,98 %	99,98 %

Total Number of Slew = 71

Missed Slews = FD suspended all autom. slew updates after 037 due to high radiation

Problem Areas & Major Events Outside Routine

DoY / Time	Description
019 - 02:23	Disable IREM for JEMx-1, INTO OR 0189
019 - 02:37	TM E3500 OOL
019 - 02:50	Man. PST update, INT OR 0190
019 - 03:28	JEMX-1 to safe, FCP JEM1 0040
019 - 06:44	IBIS to safe

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DoY / Time	Description
019 - 16:14	Bit-lock toggled in/out several times, reboot of TC equipment by GFCC
019 - 16:32	TC A3085 from Timeline unverified in TCH
020 - 06:53	TM E0350-E0365 OOL
020 - 06:55	TM P2014 OOL
020 - 07:00	ACC IMU A ON, IMU A OFF at 07:14
020 - 07:39	ACC IMU A ON, IMU A OFF at 08:12
020 - 09:06	TM P2017 OOL
020 - 10:06	TM G5079 OOL, back in limits 10:06
020 - 12:27	ACC IMU A ON, IMU A OFF at 12:37
020 - 12:45	Start of SPI annealing, INT OR 0195
020 - 12:51	ACC IMU A ON, IMU A OFF at 13:01
020 - 13:21	ACC IMU A ON, IMU A OFF at 13:31
020 - 13:39	ACC IMU A ON, IMU A OFF at 13:49
020 - 23:09	TM G5079 OOL, back in limits at 23:10
021 - 18:54	Bad frames at DSS-16