

#	Issue	Date
1.	PDRS Steps Missing from YERO Procedure	11.9.06
		10.31.06
2.	FAO Contamination SAMMI Display Problem (MET increments 17 in./sec)	10.31.06
3.	PGSC Rollover Effect on DeOrbit Manager	11.1.06
		10.31.06
4.	PGSC Windecom Problem with WorldMap State Vector	10.31.06
5.	INCO Command Data Rejects (pre- and post-YERO)	10.31.06
6.	GNC IMU RM Problem	10.31.06
7.	DPS Cycle Wrap During Entry	10.31.06
8.	DPS Workstation Crash (AR 042504)	10.31.06
9.	DPS Real Time Expert (DTEX) Application Crash (AR 042505)	11.8.06
		11.6.06
		10.31.06
10.	DPS Unable to Retrieve TDRS Vectors from Traj Server in Mixed Config => Can't monitor onboard time drift	10.31.06
11.	GPO Unable to Send Age of Aiding Correction	10.31.06
12.	FDO Command Build Problem During Mixed Config	11.7.06
		11.3.06
		10.31.06

Legend: Open Closed; Nc

13.	FDO GENX Displays show 000 instead of 365 for day 365 (AR 042502)	11.6.06
		11.1.06
		10.31.06
14.	FDO OMP Problem (Burn Plan resulted in error msg when vectors are fetched more than 2 min. after midnight from the ephemeris)	11.2.06
		10.31.06
15.	FDO/FAO GMTLO (-86400s vs. 0:0:0:0.001)	10.31.06
16.	FDO Traj Server Problem with Vector Fetch (same as # 10 above)	10.31.06
17.	FDO Timeline "Density model altitude out of bounds" Error	10.31.06
18.	FDO Ascending Node Display Problems	10.31.06
19.	FDO/NAV/MER - 2nd Activity Issues	11.16.06
		11.14.06
		10.31.06
20.	Unplanned reconfigure of ISPX	11.7.06
21.	Ratty Data from Ground Recycle Period	11.13.06

Legend: Open Closed; Nc

STS-116 YERO Test Issues

Status
Closed; Steps were included and procedure submitted to FDF
Steps have been submitted to Ronnie Montgomery for inclusion in procedure.
Closed; Will use GENX version.
Closed
Data files will have to be updated; Alan Currie will provide procedure steps.
Closed
Closed; This was due to test config (MCC was a few seconds ahead of SAIL during the test, which could never happen in flight).
Closed; This is a temporary condition due to IPL. Once an IMU align is performed RM is fully functional.
Closed; Not YERO-related. This was due to high CPU utilization and is documented in User Note 44391.
Closed. Not YERO-Related; This is a duplicate of AR 010661 concerning Kernel memory faults. This will probably not be fixed until the MCC workstations are replaced by MWSOR (equipment replacement project).
Metrum tape #629802
Developers will schedule a test with playback data and try to re-create this problem.
No update. Ken Corning will try to get a status.
Open; Problem went away after IPL. May have been because no vectors were available to fetch for the specified time period. (See #16 below.)
Closed; Not YERO-Related; Due to command problem mentioned above (#5).
No further testing required. This won't work.
MSOC has confirmed that the state vector command cannot be built with a day of 366 when SGMT = day 001. This is due to a requirement to support times only +/- 180 days from the current time, in conjunction with underlying assumption of no YERO events.
COMMAND cannot recreate the problem. They can build a command on Day 1 for any day up to 499. Further testing required. We need to schedule a comp run with a Traj server and Command server using data recorded from the SAIL test.

Not a YERO Issue

YERO Issue; No Resolution

Closed for OST displays; DM will live with their current displays until next year.
Ray spoke with Tony Correll and Rick Kraesig (DFE) yesterday. The DFEs would like to have the problem corrected. Tony has agreed to make the necessary changes and plans to have the displays tested and ready by 11/6.
The problem will be fixed in the next release of GENX but that is not scheduled until after the flight.
FDO/NAV do not want to modify their displays to use the time format that works because they would have to recertify 40+ displays and they have other ways to verify the affected data (it is for status only).
DFE also has GENX displays. Ray Grossman will see if their displays had the same problem.
AR 042656 submitted.
Open; Was discussed at FDD FRR; Susan Snyder will write an AR.
Open; This may be related to static start time. No ephemeris was available for 1st hour after YERO. If so, FDO will modify their procedure to avoid this condition. (86400s = 1 day)
Open; Could be related to static start time, similar to GMTLO problem (#15 above)
Closed; Ephemeris file also contained a deorbit burn. Software was not expecting this (orbit only).
Open; May be due to multiple display cycles. If so, work-around is to drop and then recall display.
Closed; Command test successful
Command test from 2nd activity will be performed during 11/16 YERO sim
Open; We definitely need the 2nd activity to monitor on-board state. If DF is not successful in scheduling an additional YERO SIM we may need to schedule a test with SMS.
ISPX had to be reconfigured during test due to timing problems with Bird's Eye View.
Post-test analysis shows ratty data in ODRC for period during ground recycle; May be SAIL related problem

Not a YERO Issue

YERO Issue; No Resolution