

MMS OPERATIONS DAILY REPORT

Report Start Date: 00:00:00 March 25, 2015 (DOY 084)

Report End Date: 23:59:59 March 25, 2015 (DOY 084)

Observatory Activity Highlights:

- CIDP CFDP issue ongoing and under investigation.
- FEEPS Powered on Obs #1 and #2

Network Status/Highlights:

- Obs #1 DSS-34 contact experienced dropped command connections and dropped VC0 and VC1 connections during the contact. Causes unknown at this time. DRs written.
- Late AOS (~8 mins) on TDW contact with Obs #1. DR written.

Ground System/MOC Highlights:

- There appear to be instances of none graceful CIDP CFDP protocol completion that are related to observed VC-2 sequence breaks. Station (DSS-24) claims not to see any of the sequence breaks. It is now advised to investigate station-to-MOC flow. The theory is that those packets missed may have left station but never made it to the MOC. One proposed approach is to playback data from stations spanning about x minutes around the sequence breaks and examine if it remains consistent.

Completed Observatory Activities:

- All Obs:
 - Real-time Activities
 - N/A
- Obs #1 :
 - Real-time Activities
 - Fields Fast Survey Test completed successfully.
 - CFDP transactions with CIDP did not terminate normally. SOC executed troubleshooting activities.
 - FEEPS B LV powered on.
- Obs #2 :
 - Real-time Activities
 - CFDP transactions with CIDP did not terminate normally.
 - FEEPS B LV powered on.
- Obs #3 :
 - Real-time Activities
 - Routine Ops.
- Obs #4 :
 - Real-time Activities
 - Routine Ops.

Fleet Flight Dynamics Summary:

- Flight Information:

MMS OPERATIONS DAILY REPORT

- Current formation: String of Pearls
- Separation Distances: Range from 513 km to 1636 km at 19:24 GMT.

Observatory OPEN DR Summary:

Flight DRs opened this period:	0
Flight DRs closed this period:	0
Flight DRs rejected:	0
Total Flight DRs open:	23

DR ID	Observatory	Anomaly Date	Anomaly Title	DR State
DR-15-0377	ALL	15/073/1937	Clear AMS and STS Pkt could be invalid during Filter Table Change	OPEN/ROUTINE
DR-15-0378	ALL	15/073/2157	CDH Processor SDRAM Correctable Error Logging	OPEN/ROUTINE
DR-15-0382	ALL	15/074/1254	FDC for Transmitter OFF due to Temperature Needs Updating	OPEN/ROUTINE
DR-15-0385	Obs #2	15/075/0220	AMS not receiving cmds	OPEN/ROUTINE
DR-15-0386	Obs #2	15/074/0755	Stuck table registry file in ram	OPEN/ROUTINE
DR-15-0388	Obs #1,#4	15/075/2200	FEDS downlinked files with names labeled "UNKNOWN"	OPEN/ROUTINE
MMSATS-806	Obs #2, #1	15/073/1600	Unexpected reboot during CIDP.001 during file write tests	OPEN/CRITICAL
MMSATS-815	Obs #4	15/076/1400	Single Event Errors in RMAP memory	OPEN/MINOR
MMSATS-823	Obs #1	15/076/1100	tlm_rx_rt_disp() – FIFO CIDP EVTERR message	OPEN/NORMAL
MMSATS-824	Obs #4	15/076/1100	mms4 HEDIALIVE triggered YES	OPEN/NORMAL
DR-15-0396	Obs #2	15/078/0525	Large number of SDRAM Correctable Errors	OPEN/ROUTINE
DR-15-0400	Obs #1,#4	15/078/2031	A-Side Comm Loses Synch	OPEN/ROUTINE
MMSATS-852	Obs #1	15/078/07:41	EIS.001 contingency shutdown	OPEN/NORMAL
MMSATS-853	Obs #1	15/078/08:31	Unexpected failures during EIS.001	OPEN/NORMAL
DR-15-0407	ALL	15/073/0250	C&DH BCH Error reported across fleet	OPEN/ROUTINE
MMSATS-855	Obs #2	15/078/20:56	Missing Data	RESOLVED/NORMAL
MMSATS-856	Obs #2	15/078/21:10	Missing 0x105 Data	RESOLVED/NORMAL
DR-15-0408	ALL	15/080/0749	Battery Voltage Limit Violation	OPEN/ROUTINE
MMSATS-858	Obs #1,#2	15/080/0837	FPI DIS Int-10 Responses had 0x03ff counts in all pixels	OPEN/ROUTINE
DR-15-0409	ALL	15/080/1700	HPCA FDC operational management after HPCA is powered off.	OPEN/ROUTINE
DR-15-0411	Obs #2	15/081/1830	MMS2 AMS Standard Deviation Out-of-Family	OPEN/ROUTINE
MMSATS-875	Obs #4	15/082/18:40	HPCA.001 load failed due to load script not resetting the sys_src_seq_cnt	RESOLVED/NORMAL
MMSATS-880	Obs #3	15/082/2216	MMS3: FLDHK4 CMDREJ counter incremented by 2	RESOLVED/NORMAL

MMS OPERATIONS DAILY REPORT

Observatory OPEN SOARS Summary:

Flight SOARs opened this period:	0
Flight SOARs closed this period:	0
Flight SOARS rejected:	0
Total Flight SOARs open:	0

SOAR ID	Anomaly Date	Anomaly Title	SOAR State	SOAR Current Status

Completed Ground System Activities:

Upcoming Ground System Activities:

- In the next few days the MOC expects to receive and install a patch for the FEDS to address DR-15-0410 which had to do with playbacks from the FEDS.
- The DMZ ITPS will be updated to version 6.1 sometime this week MOCR-0199.
- The MOC ground system team plans on updating the resources on mmsweb1 sometime this week MOCR-0199.

Ground Segment OPEN DR Summary:

Ground DRs opened this period:	3
Ground DRs resolved this period:	5
Ground DRs withdrawn:	0
Total Ground DRs open:	27

DR ID	Anomaly Date	Anomaly Title	DR State
DR-15-0359	15/072/0540	DSN Monitor 158 page in MOC not displaying D/L Signal Level	OPEN/URGENT
DR-15-0362 MMSATS-802	15/072/0610 15/072/1752	DSN-VC0 Latency Unexpected latency behavior in VC0	CLOSED/ROUTINE OPEN/NORMAL
DR-15-0368	15/072/2057	ITPS not always printing MMS.UTC mnemonic types and SS_UTIME mnemonic types	OPEN/ROUTINE
DR-15-0369	15/072/2313	MMS FDOA Duplicate GMSEC Messages	OPEN/ROUTINE
DR-15-0373 MMSATS-805	15/073/0800 15/073/1153	SOC is not receiving End-to-End Responses from FEDS OASIS not receiving End-to-End verification	CLOSED/ROUTINE OPEN/NORMAL
DR-15-0376	15/073/1515	cfdp_engine (eof/calculated) checksum mismatch error on static files	CLOSED/ROUTINE
DR-15-0379	15/074/0501	Negative Acq on OBS 1 TDW	CLOSED/ROUTINE
DR-15-0381	15/074/0810	MMS1 DSN Late Acq	OPEN/ROUTINE
DR-15-0387	15/075/0430	FEDS GN and PTP Logs are overwritten on each pass instead of being appended to. Log information is being lost	OPEN/ROUTINE
DR-15-0389 MMSATS-821	15/076/0600 15/076/0717	Multiple NAKs on VC1 and VC2 cfdp_req_fdata_reload() - PDU NAK (val = 0x08) Error Occurring	OPEN/ROUTINE OPEN/NORMAL

MMS OPERATIONS DAILY REPORT

		during Activities	
DR-15-0390	15/076/1545	MPS Errors on Table Uplink GMSEC Messages	OPEN/ROUTINE
MMSATS-822	15/076/1012	pp_cpu_wdg_isr() - FATAL (val = 0x01) CIDP EVTERR alarm	OPEN/NORMAL
DR-15-0393	15/078/0242	MMS 1 Late Acq Due to Data Rate Misconfiguration	CLOSED/ROUTINE
DR-15-0394	15/078/0300	SN disconnected from RTFEDS4 4 minutes prior to LOS	OPEN/ROUTINE
DR-15-0395	15/078/0300	4GB core file sometimes created when LSR_EZPASS performs OBS switch	RESOLVED/ROUTINE
DR-15-0398	15/078/1500	Command latency due to buffering in the FEDS	RESOLVED/ROUTINE
DR-15-0402	15/078/2153	Negative Acq on MMS-1 due to WSC Updated EEFOV software test	OPEN/ROUTINE
MMSATS-842	15/078/1231	Deviation from CIDP.002 on MMS1	OPEN/NORMAL
DR-15-0403	15/079/0000	MPS Value Out of Range Error for DV Cmd Table Parmater convergeCntLimit	OPEN/ROUTINE
DR-15-0404	15/079/0145	Occasional Invalid SCID and Transaction Start Time in CFDP Transaction Report	RESOLVED/ROUTINE
MMSATS-828	15/076/1600	Invalid SCID in CFDP Transaction log	OPEN/NORMAL
DR-15-0406	15/079/1030	CFDPF_STS Pseudo telemetry Execution Time Excessive on RT Associates	OPEN/ROUTINE
MMSATS-861	15/079/1702	Telemetry pause/burst behavior	OPEN/NORMAL
DR-15-0410	15/079/2000	FEDS DHDS playback by ground time does not provide data for current or last pass.	OPEN/ROUTINE
DR-15-0413	15/081/1400	ITPS Web Interface (ITPS 1, 2, and DMZ) digest view shows data ingested for future day (DOY 082)	OPEN/ROUTINE
MMSATS-885	15/083/1200	WebTCAD unable to plot S/C Spin Rate	OPEN/NORMAL
MMSATS-899	15/084/1332	PODA timeouts	OPEN/NORMAL
DR-15-0414	15/084/1351	Peer abort on CLTU with DSS-34	OPEN/ROUTINE
DR-15-0415	15/084/1407	Spontaneous Disconnect of RCF Channels 1 and 2 (VC1 and VC2) During DSS-34 Contact	OPEN/ROUTINE

Ground Segment OPEN SOARS Summary:

Ground SOARs opened this period:	0
Ground SOARs closed this period:	0
Ground SOARS rejected:	0
Total Ground SOARS open:	0

SOAR ID	Anomaly Date	Anomaly Title	SOAR State	SOAR Current Status

Upcoming Scheduled Meetings:

MMS OPERATIONS DAILY REPORT

Start time (UTC)	Start time (EDT)	Description	Duration (min)
2015-085-00:00:00	3/25/15 8:00 PM	IS Outbound Walkthrough Meeting	60
2015-085-18:00:00	3/26/15 2:00 PM	SC Observatory Tactical Planning Meeting	30
2015-085-18:30:00	3/26/15 2:30 PM	SC Strategic Planning Meeting	90
2015-085-20:00:00	3/26/15 4:00 PM	IS Inbound Walkthrough Meeting	60
2015-085-20:30:00	3/26/15 4:30 PM	SC CAM	30
2015-085-21:00:00	3/26/15 5:00 PM	IS Planning Status Meeting	60
2015-086-00:00:00	3/26/15 8:00 PM	IS Outbound Walkthrough Meeting	60
2015-086-18:00:00	3/27/15 2:00 PM	SC Observatory Tactical Planning Meeting	30
2015-086-20:00:00	3/27/15 4:00 PM	IS Inbound Walkthrough Meeting	60
2015-086-21:00:00	3/27/15 5:00 PM	IS Planning Status Meeting	60
2015-086-23:00:00	3/27/15 7:00 PM	SC Maneuver Reconstruction Outbrief Meeting	30