MMS OPERATIONS DAILY REPORT

Report Start Date: **00:00:00 March 26, 2015**   **(DOY 085)**
Report End Date: **23:59:59 March 26, 2015**   **(DOY 085)**

Observatory Activity Highlights:

- CIDP macro loads completed successfully on all observatories.
- Powered and checked out EIS on Obs #1. One detector channel bias current reported high but functions nominally. -- *MMSATS-852*
- Thermal preconditioning activities completed via ATS on all observatories.

Network Status/Highlights:

- First USN contacts were successful through Kiruna, Sweden ground station.

Ground System/MOC Highlights:

- All nominal.

Completed Observatory Activities:

- All Obs:
    - Real-time Activities
        - CIDP macro loads completed successfully.

- Obs #1 :
    - Real-time Activities
        - Completed an EIS LV checkout/ shutdown investigation (one detector channel bias current high but functions nominally) -- *MMSATS-852*
        - EIS on and in slow survey mode
        - Started a FIELDS magnetometer AFG/DFG load
- Obs #2 :
    - Real-time Activities
        - Routine Ops.
- Obs #3 :
    - Real-time Activities
        - Routine Ops.
- Obs #4 :
    - Real-time Activities
        - Routine Ops.

Fleet Flight Dynamics Summary:

- Flight Information:
    - Current formation: String of Pearls
    - Separation Distances: Range from 772 km to 2276 km at 23:50 GMT.
- Spacecraft Command Authorization Meeting (CAM) for Perigee Raise (PR014) maneuvers was held with no issues identified.

Observatory OPEN DR Summary:

Flight DRs opened this period:	0
Flight DRs closed this period:	1
Flight DRs rejected:	0
Total Flight DRs open:	19

DR ID	Observatory	Anomaly Date	Anomaly Title	DR State
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
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~~	~~CLOSED/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	REOPENED/NORMAL
MMSATS-880	Obs #3	15/082/2216	MMS3: FLDHK4 CMDREJ counter incremented by 2	RESOLVED/NORMAL

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:
- DMZ ITPS was upgraded.

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 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:	4
Ground DRs withdrawn:	0
Total Ground DRs open:	29

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
MMSATS-802	15/072/1752	Unexpected latency behavior in VC0	OPEN/NORMAL
~~DR-15-0368~~	~~15/072/2057~~	~~ITPS not always printing MMS_UTC mnemonic types and SS_UTIME mnemonic types~~	~~CLOSED/ROUTINE~~
DR-15-0369	15/072/2313	MMS FDOA Duplicate GMSEC Messages	OPEN/ROUTINE
DR-15-0377	15/073/1937	Clear AMS and STS Pkt could be invalid during Filter Table Change	OPEN/ROUTINE
MMSATS-805	15/073/1153	OASIS not receiving End-to-End verification	RESOLVED/NORMAL
DR-15-0381	15/074/0810	MMS1 DSN Late Acq	OPEN/ROUTINE
DR-15-0386	15/074/0755	Stuck table registry file in ram.	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-15-0388~~	~~15/075/2200~~	~~FEDS downlinked files with names labeled "UNKNOWN"~~	~~CLOSED/ROUTINE~~
~~DR-15-0389~~	~~15/076/0600~~	~~Multiple NAKs on VC1 and VC2~~	~~CLOSED/ROUTINE~~
MMSATS-821	15/076/0717	cfdp_req_fdata_reload() - PDU NAK (val = 0x08) Error Occurring during Activities	OPEN/NORMAL
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-15-0394	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~~	~~CLOSED/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	OPEN/ROUTINE

		convergeCntLimit	
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	RESOLVED/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
DR-15-0416	15/085/0145	Spacecraft and IS CFDP transaction Nak/Ack Timer Expired Errors	OPEN/ROUTINE
DR-15-0417	15/085/1000	Sequence breaks and Ack/Nak Time Out Errors	OPEN/ROUTINE
MMATS-900	15/085/1500	MMS WebTCAD down	OPEN/NORMAL

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:

Start time (UTC)	Start time (EDT)	Description	Duration (min)
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
2015-087-00:00:00	3/27/15 8:00 PM	IS Outbound Walkthrough Meeting	60
2015-087-18:00:00	3/28/15 2:00 PM	SC Observatory Tactical Planning Meeting	30
2015-087-20:00:00	3/28/15 4:00 PM	IS Inbound Walkthrough Meeting	60
2015-087-21:00:00	3/28/15 5:00 PM	IS Planning Status Meeting	60