

Radiogram No. 9993u

Form 24 for 08/15/2012

**Reboost Using Two ATV3 OCS Thrusters and USOS Accelerometer Data**

<b>GMT</b>	<b>CREW</b>	<b>ACTIVITY</b>
06:00-06:10	<b>CDR</b>	Morning Inspection. <b><i>SM ПСС [Caution &amp; Warning Panel] Test Visual Inspection of MRM1 БПП-4, БПП-7 Fuses Visual Inspection of MRM2 Circuit Breakers [A3C] and Fuses</i></b>
06:00-06:10	<b>FE-2</b>	Morning Inspection
06:00-07:45	<b>FE-4</b>	SPRUT-2. Experiment Ops. <i>Tagup with specialists (S-band)</i>
06:00-06:05	FE-3, FE-5, FE-6	Reaction Self Test
06:05-06:10	FE-3, FE-5, FE-6	Morning Inspection
06:10-06:40	<b>CDR, FE-2,</b> FE-3, FE-5, FE-6	Post-sleep
06:40-07:30	<b>CDR</b>	BREAKFAST
06:40-07:00	<b>FE-2</b>	BREAKFAST
06:40-07:45	FE-3, FE-5, FE-6	BREAKFAST
07:00-07:10	<b>FE-2</b>	SPRUT-2. Photography of the Experiment
07:10-07:45	<b>FE-2</b>	BREAKFAST
07:30-07:45	<b>CDR</b>	Work Prep
07:45-08:05		Daily Planning Conference ( <i>S-band</i> )
08:05-08:15	<b>CDR</b>	Work Prep
08:05-08:20	<b>FE-2</b>	Work Prep
08:05-08:15	FE-5	WRS Water Sample Analysis
08:05-08:15	<b>FE-4</b>	Morning Inspection
08:05-08:20	FE-6	ISS Crew/SSIPC FD Conference
08:05-08:20	FE-3	Work Prep
08:15-09:45	<b>CDR</b>	Installation of USOS EMU Lights and Video Camera On Orlan-MK Spacesuit #5
08:15-08:45	<b>FE-4</b>	Post-sleep
08:15-09:10	FE-5	WRS Sample Collection
08:20-08:35	<b>FE-2</b>	ИП-1 Flow Sensor Position Verification
08:20-08:30	FE-6	Closing USOS Window Shutters
08:30-08:40	FE-6	Work Prep
08:30-09:30	FE-3	Sound Level Measuring using SLM HW
08:40-09:25	FE-6	Final printout of EVA procedures
08:45-09:30	<b>FE-2</b>	TKГ 416 Activation
08:45-09:35	<b>FE-4</b>	BREAKFAST
09:10-09:20	FE-5	USND2. Hardware Activation
09:20-09:45	FE-5	Integrated Cardiovascular Echo Ultrasound Pre-Scan
09:25-09:40	FE-6	Private Psychological Conference

09:30-10:10	<b>FE-2</b>	<b>ON MCC GO</b> DC1 Removal and Inspection of Quick-Release Screw Clamps in MRM2. <b>Use SONY Z7</b>
09:30-11:00	FE-3	Physical Exercise (ARED)
09:35-09:45	<b>FE-4</b>	Work Prep
09:40-10:25	FE-6	Final printout of EVA procedures
09:45-10:05	FE-5	Installation of US EMU Lights and v/Camera onto Orlan-MK
09:45-10:05	<b>CDR, FE-4</b>	Setting up NASA gear for use on Orlan-M
10:05-11:25	<b>CDR</b>	Physical Exercise (TVIS), Day 3
10:10-10:30	<b>FE-2</b>	DC1-TKΓ Hatch Close
10:15-10:25	FE-5	TOCA 2 Data Recording
10:25-11:25	FE-5	ICV ECHO Setup
10:30-11:30	<b>FE-2</b>	DC1-CY and CY-Progress Hatch Leak Check
10:30-11:30	<b>FE-4</b>	Physical Exercise (VELO), Day 3
10:30-11:20	FE-6	ICV - Echo Scanning Assistance
11:00-11:20	FE-3	Portable Water Dispenser (PWD) Filter Reset
11:20-12:50	FE-6	Physical Exercise (ARED)
11:25-11:35	FE-5	Ultrasound 2 - Data Downlink
11:30-11:45	<b>CDR, FE-4</b>	Configuring Comm. System before Orlan Comm. Check /
11:30-12:30	<b>FE-2</b>	MATRYOSHKA-R. BUBBLE-Dosimeter Initialization and Deployment for Exposure
11:35-11:45	FE-3	FIR – Camcorder Setup
11:35-11:45	FE-5	TOCA Potable Water Dispenser (PWD) Sample Analysis
11:45-12:15	<b>CDR, FE-4</b>	Beta-08 Data Output Device (YCI) Checkout Using Gamma-1M
11:45-12:45	FE-3	ACE Sample Inspection
11:45-12:45	FE-5	Physical Exercise (CEVIS)
12:15-12:45	<b>CDR, FE-4</b>	Orlan and ECC Telemetry Check. Spacesuit Voice Comm Check And Biomed Parameter Test
12:30-12:40	<b>FE-2</b>	TV downlink <b>via OCA</b> showing DC1-TKΓ Interface prior to hatch closure
12:45-13:00	<b>FE-4, CDR</b>	Comm reconfig after Orlan Comm Check /
12:45-13:45	FE-3	LUNCH
12:45-12:55	FE-5	Ultrasound 2 Hardware Power Off
12:50-13:50	FE-6	LUNCH
13:00-14:00	<b>CDR, FE-2, FE-4, FE-5,</b>	LUNCH
13:45-14:45	FE-3	ICV - Copy and download data
13:50-14:00	FE-6	HAIR-SAMPLE Prep Ops
14:00-14:10	FE-6, FE-5	HAIR SAMPLE Collection
14:00-15:00	<b>FE-4, CDR</b>	Install Orlan-MK Attached Equipment. Photography of Orlan Gear
14:10-14:20	FE-6	HAIR - MELFI Sample Insertion into MELFI
14:10-14:45	FE-5	WMK In-Flight Water Processing
14:20-14:30	FE-6	HAIR SAMPLE Closeout Ops

14:35-14:45	FE-6	Pro K Urine PH Kit Unstow
14:40-15:20	<b>FE-2</b>	COX Maintenance
14:45-15:30	FE-5	MELFI 3 Installation in Spare Location
14:45-14:55	FE-6	PanOptic Eye Examination, Equipment Setup
14:45-15:00	FE-3	Private Medical Conference
14:55-15:00	FE-6	Panoptic Video
15:00-16:00	FE-3	Sound Level Measuring using SLM HW
15:00-16:00	<b>FE-4, CDR,</b> FE-6	Review airlock procedure per RODF "EVA From DC1". Tagup w/specialists (S-band)
15:20-15:50	<b>FE-2</b>	Replacement of Urine Receptacle (МП) and Filter-Insert (Φ-B) in ACY. <b>Install МП #0220309 (00055004R), Φ-B #1004221 ( 00056499R) (CM1PO_1_138_1). Dismantled Urine Receptacle and Filter-insert – for disposal. Reflect changes in IMS</b>
15:30-15:35	FE-5	PanOptic Eye Exam Setup
15:35-15:45	FE-5	TOCA 2 Data Recording
15:45-16:00	FE-5	Private Medical Conference
15:50-16:10	<b>FE-2</b>	IMS Update
16:00-16:15	FE-3	SLM Data Transfer to MEC
16:00-16:40	<b>CDR</b>	Setting up portable repress tank (БНП) #3, п 1 ( <b>001473R, TK 706</b> ) in [PO] prior to EVA
16:00-16:30	FE-6	PanOptic Eye Exam CMO
	FE-5	PanOptic Eye Exam (Subject)
16:15-17:45	<b>FE-4</b>	Physical Exercise (TVIS), Day 3
16:15-16:20	FE-3	P/L - Playback Start
16:20-17:35	<b>FE-2</b>	Physical Exercise (ARED)
16:30-16:35	FE-3, FE-6	PanOptic Eye Exam Setup
16:30-17:05	FE-5	Evening Work Prep
16:35-17:35	FE-3	Physical Exercise T2
16:35-17:05	FE-6	Evening Work Prep
16:40-17:10	<b>CDR</b>	VZAIMODEISTVIYE Experiment Ops
17:05-17:35	FE-6	PanOptic Eye Exam (Subject)
	FE-5	PanOptic Eye Exam CMO
17:10-18:20	<b>CDR</b>	Physical Exercise (VELO), Day 3
17:30-18:00	<b>FE-4</b>	Installation of Additional Portable Repress Tank (БНП) <b>#10 п.2 (00038983R, TK 705)</b> in DC1
17:35-18:50	<b>FE-2</b>	Physical Exercise (TVIS), Day 2
17:35-18:05	FE-6	PanOptic Eye Exam CMO
	FE-3	PanOptic Eye Exam (Subject)
17:35-19:05	FE-5	Physical Exercise (ARED)
18:00-18:30	<b>FE-4</b>	VZAIMODEISTVIYE Experiment Ops
18:05-18:10	FE-3	Panoptic Video
18:05-19:05	FE-6	Physical Exercise T2

18:10-18:30	FE-3	PanOptic Data Downlink/Stowage
18:20-19:10	<b>CDR</b>	Evening Work Prep
18:30-18:45	FE-3	ICV Data Download
18:45-19:05	FE-3	Evening Work Prep
18:45-19:10	<b>FE-4</b>	Evening Work Prep
18:50-19:10	<b>FE-2</b>	Evening Work Prep
19:05-19:10	FE-3	Payload Playback Stop
19:10-19:35		Daily Planning Conference ( <i>S-band</i> )
19:35-19:40	FE-3	P/TV Playback Start
19:35-20:30	<b>CDR, FE-2, FE-4</b>	Pre-sleep
19:35-20:30	FE-5	Pre-sleep
19:35-19:55	FE-6	CIRCADIAN RHYTHMS - Equipment Install and Connect
19:40-20:30	FE-3	Pre-sleep
19:55-20:30	FE-6	Pre-sleep
20:30-20:50		ISS Crew / Program management conference
20:50-21:30	<b>CDR, FE-2, FE-4</b>	Pre-sleep
20:50-21:20	FE-3, FE-6	Pre-sleep
20:50-21:25	FE-5	Pre-sleep
21:20-21:25	FE-3	Reaction Self Test
21:20-21:25	FE-6	PROK DIET Reminder
21:25-21:30	FE-5, FE-6	Reaction Self Test
21:25-21:30	FE-3	P/TV Playback Stop
21:30-06:00		SLEEP
<b>Task List</b>	<b>CDR, FE-2, FE-4</b>	Preparation of reports for Roskosmos site
	<b>CDR, FE-4</b>	ECON Observations and Photography

**Notes:**

1. SM Window #9 shutter opening is at crew discretion w/ **Report to MCC**
2. See OSTP for references to US activities
3. Pre-sleep ops: Dinner, Daily food prep, pre-sleep)
4. **Tagup with specialists during all Orlan prep for EVA activities (VHF + S-band)**
5. **22:00-23:15** OCA dropouts are possible

End of Radiogram