

Radiogram No. 3655u

Form 24 for 07/21/2010

**EVA SUIT PREPARATION. ACH-M HBM1 AND HBM2 FIRMWARE UPDATE**

<b>GMT</b>	<b>CREW</b>	<b>ACTIVITY</b>
06:00-06:25	<b>CDR</b>	Post-sleep
06:00-06:05	FE-2	REACTION Self Test
06:00-06:10	<b>FE-3</b> , FE-4, FE-6	Morning Inspection
06:00-06:05	<b>FE-5</b>	Elektron-VM Aerosol Filter Inspection
06:05-06:10	FE-2, <b>FE-5</b>	Morning Inspection
06:10-06:30	FE-2, <b>FE-3</b> , FE-4, <b>FE-5</b> , FE-6	Post-sleep
06:25-07:05	<b>CDR</b>	BREAKFAST
06:30-07:20	FE-2, <b>FE-3</b> , FE-4, <b>FE-5</b> , FE-6	BREAKFAST
07:05-07:20	<b>CDR</b>	<b>On MCC GO</b> БМП Ф2 Absorption Cartridge Regeneration (start)
07:20-07:45		Daily Planning Conference ( <i>S-band</i> )
07:45-08:10	<b>CDR</b>	Work Prep
07:45-08:45	FE-2	Physical Exercise (CEVIS)
07:45-07:55	<b>FE-3</b> , FE-4	Post-sleep
07:45-08:00	<b>FE-5</b> , FE-6	Post-sleep
07:55-08:15	<b>FE-3</b>	Work Prep
07:55-08:05	FE-4	Battery Stowage Assembly (BSA) Battery Recharge Terminate
08:00-08:10	<b>FE-5</b>	Stop charging the first Orlan battery pack 825M3 and start charging the second pack
08:00-08:15	FE-6	MSG/SAME Daily Startup Steps 1 and 2
08:05-08:25	FE-4	Start BSA Battery Charge
08:15-09:45	<b>FE-3</b>	Relocation of Russian items from FGB ГА to MRM1 and IMS update
08:15-09:15	<b>FE-5</b>	Physical Exercise (VELO), Day 3
08:25-09:15	FE-4	EMU Cooling Loop Config
08:35-09:35	<b>CDR</b>	Install Progress 405 Docking Mechanism
08:45-10:15	FE-2	Physical Exercise (ARED)
09:10-10:10	FE-6	Physical Exercise T2
09:15-10:45	<b>FE-5</b>	Physical Exercise (TVIS), Day 3
09:35-10:20	<b>CDR</b>	Progress 405 Activation, Air Duct Removal
09:35-09:45	FE-4	EHS GC/DMS Ops Start
09:45-10:45	<b>FE-3</b>	Physical Exercise (VELO), Day 3
09:45-10:15	FE-4	US EVA Tool Preparation
10:10-10:25	FE-6	CEVIS Deconfigure for WOLF Outfitting
10:15-10:30	FE-2	OGA Hydrogen Dome Retrieval
10:20-10:40	<b>CDR</b>	<b>On MCC GO</b> Remove and inspect quick-release screw clamps on the DC1 side
10:25-12:25	FE-6	WOLF Outfitting Part 4
10:30-13:15	FE-2	OGA Remove & Replace

10:30-12:00	FE-4	Physical Exercise (ARED)
10:40-11:00	CDR	<b>On MCC GO</b> DC1-Progress Transfer Hatch Closure
10:45-11:25	FE-3, FE-5	Portable Repress Tank Installation (БНП) in PO [Working Compartment]
11:00-12:00	CDR	DC1-CY and CY-Progress 405 Hatch Leak Check
11:50-13:10	FE-3, FE-5	Orlan Replaceable Elements Ops <i>DC1 Comm Procedure</i>
12:00-12:10	CDR	<b>ISS-MCC-M TV.</b> TV downlink showing DC1-Progress 405 interface before CO1-CY hatch closure ( <i>Ku+S-band</i> )
12:00-12:45	FE-4	EMU Cooling Loop Config
12:10-13:10	CDR	Physical Exercise (ARED)
12:25-12:40	FE-6	CEVIS Configuration After WORF Activities
12:40-12:50	FE-6	SLAMMD Hardware Retrieval and Setup
12:50-13:00	FE-6	SLAMMD Crew Body Mass Measurement
13:00-13:10	FE-4	SLAMMD Experiment Ops
13:00-13:05	FE-6	MSG/Smoke Aerosol Measurement Experiment Daily Shutdown
13:10-14:10	CDR, FE-3, FE-4, FE-5, FE-6	LUNCH
13:15-14:15	FE-2	LUNCH
14:10-15:40	CDR	ACH-M HBM1 and HBM2 Devices Firmware Upgrade
14:10-15:10	FE-3, FE-5	Spacesuit Height Adjustment
14:10-15:00	FE-6	VO2max PFFS Setup
14:15-14:25	FE-2	SLAMMD Experiment Ops
14:20-14:25	FE-4	Bioprocessor and CGBA 5 Status Check
14:25-14:35	FE-2	SLAMMD Equipment Temp Stow
14:45-14:50	FE-4	Terminate EHS GC/DMS Ops
15:00-16:00	FE-4	EMU Cooling Loop Scrub Terminate
15:00-15:15	FE-6	VO2max Equipment Setup
15:10-16:10	FE-3	Spacesuit and ECC (Orlan Interface Unit) leak checks and valve tests <i>Restore Nominal Comm Configuration</i>
15:10-16:10	FE-5	БК-3 Oxygen Tanks Pressure Check
15:15-15:55	FE-2	AR OGA Pump ORU R&R
15:15-15:30	FE-6	Private Family Conference
15:30-15:35	FE-6	CEVIS Configuration After WORF Activities
15:35-15:50	FE-6	ISS HAM Service Module Pass
15:50-17:20	CDR	Physical Exercise (TVIS), Day 2
15:50-16:10	FE-6	SDTO T2 Harness Setup
15:55-16:10	FE-2	OGA Hydrogen Dome Stow
16:00-16:10	FE-4	PAO Hardware Setup
16:10-16:20	FE-2, FE-4, FE-6	Crew Prep for PAO
16:10-17:10	FE-3	БК-3 Oxygen Tanks Pressure Check
16:10-17:10	FE-5	Spacesuit and ECC (Orlan Interface Unit) leak checks and valve tests

16:20-16:40	FE-2, FE-4, FE-6	PAO Event
16:40-17:00	FE-2	OGS Activation Prep
16:40-16:50	FE-4	PAO Hardware Deactivation
16:40-18:10	FE-6	Physical Exercise (ARED)
16:50-17:50	FE-4	Physical Exercise T 2
17:10-18:40	<b>FE-3</b>	Physical Exercise (TVIS), Day 3
17:20-18:00	<b>CDR</b>	IDENTIFICATION. Copy IMY-LQ micro-accelerometer data to laptop
17:35-17:40	<b>FE-5</b>	Elektron-VM Aerosol Filter Inspection
17:40-18:00	<b>FE-5</b>	IMS Update
17:50-18:05	FE-4	Treadmill T2 Monthly Inspection
18:00-18:40	<b>FE-5</b>	COX Maintenance
18:05-18:20	FE-2	Private Medical Conference
18:20-18:40	<b>CDR, FE-4</b>	Evening Work Prep
18:20-18:35	FE-2	Private Family Conference
18:40-19:05		Daily Planning Conference ( <i>S-band</i> )
19:05-19:30	<b>CDR, FE-2, FE-3, FE-4, FE-5</b>	Evening Work Prep
19:05-19:30	FE-6	Evening Work Prep
19:30-21:15	<b>CDR</b>	Pre-sleep
19:30-21:25	FE-2	Pre-sleep
19:30-21:30	<b>FE-3, FE-4, FE-5</b>	Pre-sleep
19:30-19:35	FE-6	MPC Power Up
19:35-21:25	FE-6	Pre-sleep
21:15-21:30	<b>CDR</b>	БМП Φ2 Absorption Cartridge Regeneration (termination)
21:25-21:30	FE-2	REACTION Self Test
21:25-21:30	FE-6	MPC Power Down
21:30-06:00		SLEEP

**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, evening toilet
4. Tagups with specialists during all EVA and spacesuit prep activities

End of Radiogram