

Radiogram No. 3519u

Form 24 for 07/07/2010

**SM 501 ОДУ (SM INTEGRATED PROPULSION SYSTEM OXIDIZER TANK 1) REFILLING FROM  
PROGRESS 406 СД (REFUELING SYSTEM)**

GMT	CREW	ACTIVITY
06:00-06:05	<b>CDR</b>	Elektron-VM Aerosol Filter Inspection
06:00-06:05	FE-6	REACTION Self Test
06:00-06:05	FE-2	SLEEP Data Log Entry
06:00-06:10	<b>FE-3</b>	Morning Inspection
06:00-06:05	FE-4	REACTION Self Test
06:00-06:10	<b>FE-5</b>	SONOCARD Experiment Termination
06:05-06:10	FE-6	SLEEP Data Log Entry
06:05-06:10	FE-4	SLEEP Data Log Entry
06:05-06:10	FE-2	Morning Inspection
06:05-06:10	<b>CDR</b>	PLASMA CRYSTAL-3 PLUS. ПК-3 PLUS EB Turbo-Pump Activation
06:10-06:40	<b>CDR, FE-2, FE-3, FE-4, FE-5</b>	Post-sleep
06:10-06:25	FE-6	Post-sleep
06:25-07:15	FE-6	BREAKFAST
06:40-07:30	<b>CDR, FE-2, FE-3, FE-5</b>	BREAKFAST
06:40-06:45	FE-4	BREAKFAST
06:45-06:50	FE-4	HAM radio setup
06:50-07:00	FE-4	HAM Radio Session
07:00-07:30	FE-4	BREAKFAST
07:15-07:30	FE-6	Crew Acoustic Dosimeters Data Transfer
07:30-08:00	<b>CDR, FE-3</b>	Work Prep
07:30-07:35	<b>FE-5</b>	Partially Dampen Sorbent
07:30-07:35	FE-6	VO2 Video of Operations
07:30-07:35	FE-4	Work Prep
07:30-07:45	FE-2	CSLM2 Vacuum Vent Stop 1
07:35-07:55	FE-4	Water Recovery System (WRS)
07:35-07:45	<b>FE-5</b>	ГФИ-1 [Geophysical Studies]. Start SONY DCR-TRV900E Camcorder Battery Charge
07:35-07:55	FE-6	VO2 Crew Portable Pulmonary Function System Setup
07:45-08:00	<b>FE-5</b>	SONOCARD Data Copy to RSE-MED Laptop and Data Downlink Using OCA
07:45-07:55	FE-2	VO2 Crew Portable Pulmonary Function System Setup Assistance
07:55-08:00	FE-2, FE-4, FE-6	Work Prep
08:00-08:20		Daily Planning Conference ( <i>S-band</i> )
08:20-10:20	<b>CDR</b>	Progress 406 Transfers and IMS Updates
08:20-09:20	FE-2	Physical Exercise T 2
08:20-09:20	<b>FE-5</b>	Relocation of Russian Cargo from FGB ГА to MRM1 with IMS support / r/g 3520
08:20-09:30	<b>FE-3</b>	Progress 406 Transfers and IMS Updates

08:20-08:40	FE-4	Work Prep
08:20-08:30	FE-6	Crew Portable Pulmonary Function System Power Up
08:30-09:45	FE-6	SLEEP. Battery Swap/Data Download & Initialization
08:40-08:50	FE-4	Water Recovery System (WRS)
09:10-09:20	FE-4	CIR Alignment Guide Removal
09:20-09:25	FE-4	T2 Snubber Arm Inspection
09:20-10:50	FE-2	Physical Exercise (ARED)
09:25-09:30	<b>FE-5</b>	Partially Dampen Sorbent
09:25-10:25	FE-4	Physical Exercise T 2
09:30-10:00	<b>FE-5, FE-3</b> assists	Study of Cardiac Bioelectric Activity at Rest. <b>To=09:38. Tagup with specialists (VHF)</b>
09:45-11:35	FE-6	VO2 Crew Portable Pulmonary Function System Protocol Preparation
10:00-10:40	<b>FE-5</b>	Relocation of Russian Cargo from FGB ΓA to MRM1 with IMS support
10:00-11:00	<b>FE-3</b>	Physical Exercise (TVIS), Day 1
10:20-10:35	<b>CDR</b>	Verify ИП-1 Flow Meter Configuration
10:25-10:30	FE-4	T2 Snubber Arm Inspection
10:30-10:35	FE-4	Bioprocessor and CGBA 5 Status Check
10:40-11:20	<b>CDR, FE-5</b>	Intermodular TORU Test with Mated Progress 406
10:50-11:05	FE-2	CSLM2 Vacuum Vent Start 3
11:00-12:45	<b>FE-3</b>	<b>On MCC GO</b> Replace 800A Unit (A72) <b>with #2397641201 (005397R, ФГБ1ПГО_1_104)</b> and БУПТ-2 (A82) <b>with #43010001 (00039024R, ФГБ1ПГО_4_417_1)</b> in FBG SEP Module 2. <b>Discard the removed boxes. Update IMS</b>
11:05-11:15	FE-2, FE-4	Crew cabin removal in support of CDRA maintenance
11:15-11:20	FE-4	CDRA IFM Access
11:20-11:50	FE-2, FE-4	IFM CDRA Frame Removal
11:20-12:20	<b>CDR</b>	Physical Exercise (VELO), Day 4
11:30-12:10	<b>FE-5</b>	COЖ Maintenance
11:35-12:20	FE-6	VO2 Crew Portable Pulmonary Function System Protocol
11:50-12:10	FE-2, FE-4	Crew Cabin Installation
12:10-13:00	<b>FE-5</b>	RELAXATION Hardware Setup. <i>Tagup with specialists (S-band)</i>
12:10-13:20	FE-2, FE-4	IFM Component Group Removal
12:20-12:25	<b>CDR</b>	MRM2 Comm Config
12:20-12:35	FE-6	VO2 Crew Portable Pulmonary Function System - Termination
12:25-13:05	<b>CDR</b>	Plasma Crystal-3 Plus. Experiment setup and start. <i>Tagup with specialists (S-band)</i>
12:35-12:40	FE-6	VO2 Crew Portable Pulmonary Function System Data Downlink
12:45-12:50	<b>FE-3</b>	PLASMA CRYSTAL-3 PLUS. Monitoring TV signal on display
13:00-14:00	<b>FE-3, FE-5, FE-6</b>	LUNCH
13:05-14:05	<b>CDR</b>	LUNCH
13:20-14:20	FE-2, FE-4	LUNCH
14:00-14:45	FE-6	VO2 Crew Portable Pulmonary Function System Stow

14:00-14:15	<b>FE-5</b>	RELAXATION Setting Up Hardware
14:05-15:50	<b>FE-3</b>	Replace 800A Unit (A72) with #2397641201 (005397R, ФГБ1ПГО_1_104) and БУПТ-2 (A82) with #43010001 ( <b>00039024R, ФГБ1ПГО_4_417_1</b> ) in FBG SEP Module 2. <b>Discard the removed boxes. Update IMS</b>
14:15-14:35	<b>CDR</b>	PLASMA CRYSTAL-3 PLUS. Experiment Termination
14:15-14:20	<b>FE-5</b>	RELAXATION Observation
14:20-14:50	FE-2, FE-4	IFM CDRA Desiccant Installation
14:20-15:00	<b>FE-5</b>	RELAXATION Closeout and hardware stow
14:35-15:05	<b>CDR</b>	PLASMA CRYSTAL-3 PLUS. Copy Data from the Hard Drive
14:45-14:50	FE-6	VO2 Exercise Video Equipment Stow
14:50-15:10	FE-6	VO2 Crew Portable Pulmonary Function System - Termination
14:50-15:30	FE-2, FE-4	IFM Component Grapple Replace Part 1
15:05-15:10	<b>CDR</b>	Comm reconfig for nominal ops
15:15-16:45	FE-6	Physical Exercise (ARED)
15:20-16:00	<b>CDR, FE-5</b>	Intermodular TORU Test with Mated Progress 406 ( <b>With Klest activation</b> )
15:30-16:10	FE-2, FE-4	IFM Component Grapple Replace Part 2
15:50-16:50	<b>FE-3</b>	Physical Exercise (VELO), Day 1
16:00-16:40	<b>CDR</b>	IDENTIFICATION. Copy ИМУ-Л micro-accelerometer data to laptop
16:00-17:30	<b>FE-5</b>	Physical Exercise (TVIS), Day 1
16:10-16:25	FE-2	CSLM2 Vacuum Vent Stop 3
16:10-16:15	FE-4	CDRA IFM Closeout
16:15-16:35	FE-4	CDRA IFM Hardware Stowage
16:25-16:40	FE-2	Private Psychological Conference
16:40-17:00	<b>CDR</b>	IMS Update
16:40-16:45	FE-4	KIDS-MPC Activation
16:45-17:00	FE-6	Private Medical Conference
16:45-18:15	FE-4	Physical Exercise (ARED)
17:00-18:00	FE-6	Physical Exercise (CEVIS)
17:05-17:10	FE-2	Video Camera Assembly 1 (VCA1) Adjustment
17:05-17:10	<b>CDR</b>	Elektron-VM Aerosol Filter Inspection
17:10-17:25	FE-2	CSLM2 Vacuum Vent Start 4
17:10-18:40	<b>CDR</b>	Physical Exercise (TVIS), Day 4
17:25-17:30	FE-2	European Modular Cultivation System (EMCS) Degas Module Replacement
17:30-18:30	<b>FE-5</b>	Physical Exercise (VELO), Day 1
17:30-18:15	FE-2	Genara A Experiment Preparation
18:00-18:05	FE-6	VO2 Crew Portable Pulmonary Function System Stow
18:15-18:20	FE-4	KIDS-MPC Deactivation
18:15-18:40	FE-2	GENARA A Experiment Container Replace
18:15-18:40	<b>FE-3</b>	Evening Work Prep
18:15-18:40	FE-6	Evening Work Prep
18:25-18:40	FE-4	Private Medical Conference
18:30-18:40	<b>FE-5</b>	Evening Work Prep
18:40-19:05		Daily Planning Conference ( <i>S-band</i> )

19:05-19:30		Evening Work Prep
19:30-21:25	<b>CDR, FE-5</b>	Pre-sleep
19:30-19:35	FE-6	REACTION Self Test
19:30-19:35	FE-4	REACTION Self Test
19:30-21:30	<b>FE-3</b>	Pre-sleep
19:30-19:35	FE-2	MPC Power Up
19:35-21:30	FE-4, FE-6	Pre-sleep
19:35-21:25	FE-2	Pre-sleep
21:25-21:30	<b>FE-5</b>	Partially Dampen Sorbent
21:25-21:30	FE-2	MPC Power Down
21:25-21:30	<b>CDR</b>	PLASMA CRYSTAL-3 PLUS. Deactivate ПK-3 PLUS Experiment Box Turbo Pump
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

End of Radiogram