

Radiogram No. 7506u

Form 24 for 10/21/2011

**THE PLASMA CRYSTAL EXPERIMENT**

<b>GMT</b>	<b>CREW</b>	<b>ACTIVITY</b>
06:00-06:10	CDR, FE-5	Morning Inspection
06:00-06:10	<b>FE-4</b>	Morning Inspection. <b>SM ПСС [Caution &amp; Warning Panel] Test</b>
06:10-06:40		Post-sleep
06:40-07:30		BREAKFAST
07:30-07:45		Work Prep
07:45-08:00		Daily Planning Conference ( <i>S-band</i> )
08:00-08:15		ISS Crew and ГОГУ (RSA Flight Control Team Management) Weekly Conference ( <i>S-band</i> )
08:15-08:35	FE-5	GHF Material Processing Unit Access Door Temporary Open
08:15-08:30	<b>FE-4</b>	Work Prep
08:15-08:25	CDR	Work Prep
08:30-08:45	<b>FE-4</b>	PLANTS-2. Watering
08:35-09:15	FE-5	GHF Gradient Heating Furnace (GHF) Central Heater Thermocouple Harness Inspection
08:45-09:00	<b>FE-4</b>	IMS Tagup ( <i>S-band</i> )
08:55-09:05	CDR	GHF Gradient Heating Furnace (GHF) Central Heater Thermocouple Harness Inspection
09:00-09:05	<b>FE-4</b>	Comm Config Before Plasma Crystal-3 Experiment
09:05-10:15	<b>FE-4</b>	PLASMA CRYSTAL. Plasma Chamber Leak Check. <i>Tagup with specialists (S-band)</i>
09:15-10:30	CDR	BCAT5 - All Sample Homogenization
09:15-10:15	FE-5	Physical Exercise (CEVIS)
10:15-10:50	<b>FE-4</b>	PLASMA CRYSTAL. Software Installation. <i>Tagup with specialists (S-band + VHF)</i>
10:15-11:45	FE-5	Physical Exercise (ARED)
10:30-10:40	CDR	Binary Colloidal Alloy Test Flash Display Photos
10:40-10:55	CDR	BCAT5 Hardware Stowage
10:50-11:25	<b>FE-4</b>	PLASMA CRYSTAL Data Copy and Log File Dump from Experiment Box. <i>Tagup with specialists (S-band)</i>
11:05-11:10	CDR	P/L - MPC. Playback Start
11:10-11:30	CDR	RFTA Remove and Replace
11:25-11:30	<b>FE-4</b>	Comm System Reconfig After PLASMA CRYSTAL-3 Experiment
11:30-11:45	<b>FE-4</b>	Soyuz 702 Gas Analyzer Deactivation
11:30-12:30	CDR	Recycle Filter Tank Assembly (RFTA) Drain/Clean
11:45-11:50	FE-5	Gradient Heating Furnace (GHF) Heaters Interval Measurement
11:45-13:00	<b>FE-4</b>	Physical Exercise (TVIS), Day 2
11:50-12:35	FE-5	GHF - Processing Unit Cleaning
12:30-12:50	CDR	RFTA Remove and Replace
12:35-13:05	FE-5	GHF Material Processing Unit Access Door Close
12:50-13:50	CDR	LUNCH
13:00-14:00	<b>FE-4</b>	LUNCH

13:05-13:15	FE-5	GHF - Cartridge Wipe
13:15-14:15	FE-5	LUNCH
13:50-14:05	CDR	Private Psychological Conference
14:00-14:20	<b>FE-4</b>	Elektron-VM shutdown with purge
14:05-14:10	CDR	MPC Power Down
14:10-14:20	CDR	PAO Hardware Setup
14:15-14:30	FE-5	Removing Fan Mesh Cover and temporarily re-attaching
14:20-14:30	CDR	Crew Prep for PAO
14:20-14:35	<b>FE-4</b>	Verify ИП-1 sensor positions
14:30-14:50	CDR	PAO Event
14:30-14:55	FE-5	Ultrasound 2 Hardware Setup
14:35-15:15	<b>FE-4</b>	COЖ Maintenance
14:50-15:05	CDR	Terminate BSA Battery Charge
14:55-15:00	FE-5	USND2 Power On
15:05-15:35	CDR	Start BSA battery charge
15:05-15:30	FE-5	Integrated Cardiovascular (ICV) Echo Ultrasound Scan Preparation
15:15-15:55	<b>FE-4</b>	Detail Photography of SM Interior Panel 121 (to replace external cover)
15:30-16:35	FE-5	ICV Echo Scan
15:35-16:30	CDR	ICV Assistance During Experiment
15:55-16:45	<b>FE-4</b>	Download Pille Dosimeter Readings
16:45-17:05	<b>FE-4</b>	IMS Update
16:50-17:00	FE-5	Ultrasound 2 Data Transfer
17:00-17:45	FE-5	VI Scanning Ops
17:05-18:20	<b>FE-4</b>	Physical Exercise (ARED)
17:45-18:00	FE-5	USND2 Hardware Power Off And Stow
17:55-18:00	CDR	ISS HAM Radio Setup in Service Module
18:00-18:30	FE-5	VIALE Bags Inspection and Disinfection
18:00-18:15	CDR	ISS HAM Radio Session from SM
18:20-18:25	<b>FE-4</b>	ECLIPSE-BEACON [ТЕХЬ-МАЯК] Activation of Radio Station and Program Launch
18:30-18:55	FE-5	Evening Work Prep
18:30-19:00	CDR, <b>FE-4</b>	Evening Work Prep
18:55-19:00	FE-5	Glove Box (MSG) Powerdown
19:00-19:15		Daily Planning Conference ( <i>S-band</i> )
19:15-19:35		FD / ISS crew conference ( <i>S-band</i> )
19:35-20:15	CDR, <b>FE-4</b>	Pre-sleep
19:35-19:40	FE-5	MPC Power Up
19:40-20:15	FE-5	Pre-sleep
20:15-20:45		Private Special Conference
20:45-21:25	<b>FE-4</b> , FE-5	Pre-sleep
20:45-21:30	CDR	Pre-sleep
21:25-21:30	<b>FE-4</b>	PLASMA CRYSTAL. Pressure Monitoring

21:25-21:30	FE-5	MPC Power Down
21:30-06:00		SLEEP
<b>Task List</b>	<b>FE-4</b>	ECON. Observations and Photography
		Preparation of reports for Roskosmos site

**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: daily food prep, dinner, pre-sleep
  - 4. OCA cannot be used between 22:00 and 01:00**
- End of Radiogram