

Radiogram No. 712u

Form 24 for 07/13/09 (No Shuttle)

**AUDIT OF ORLAN SPACESUIT REPLACEABLE ELEMENTS AND EQUIPMENT. ZVENO HARDWARE TESTS.**

GMT	CREW	ACTIVITY
06:00-06:10	FE-1,FE-5,FE-3	Morning Inspection
06:00-06:05	CDR	PLASMA CRYSTAL-3 PLUS. ПK-3 PLUS EB Turbo-Pump Activation
06:00-06:05	FE-2,FE-4	Pill Ingestion
06:05-06:15	CDR,FE-2,FE-4	Morning Inspection
06:10-06:40	FE-1,FE-3,FE-5	Post-sleep
06:15-06:45	CDR,FE-2,FE-4	
06:40-07:30	FE-1,FE-3,FE-5	BREAKFAST
06:45-07:35	CDR,FE-2,FE-4	
07:30-07:40	FE-1,FE-3,FE-5	Work Prep
07:35-07:40	CDR,FE-2,FE-4	
07:40-08:05	.	Daily Planning Conference ( <i>S-band</i> )
08:05-08:15	.	Work Prep
08:15-11:55	FE-5	TVIS Data Take Part 2
08:15-11:15	FE-3	
08:15-10:35	CDR	Audit of Orlan Spacesuit Replaceable Elements and Equipment
08:35-09:35	FE-1	Consolidating BCR, PDA, and HAM Radio Equipment
09:00-10:45	FE-2	Physical Exercise (RED)
09:40-10:00	FE-1	LOCAD Hardware Setup
10:00-10:20	FE-1	LOCAD Portable Test System Media Preparation
10:15-11:15	FE-4	Physical Exercise (CEVIS)
10:20-10:30	FE-1	LOCAD Swab Ops With Video
10:35-11:15	CDR	COЖ Maintenance
10:45-11:15	FE-2	InSPACE2 Experiment Procedure Review
11:00-11:05	FE-1	LOCAD Portable Test System (PTS) Phase 1 Data Recording Operations
11:05-11:15	FE-1	LOCAD Swab Ops With Video
11:15-12:15	CDR	Physical Exercise (CEVIS)
11:15-12:45	FE-4	Physical Exercise (RED)
11:15-12:15	FE-3	Physical Exercise (VELO), day 4
11:15-11:25	FE-2	Glove Box (MSG) Activation
11:25-12:45	FE-2	InSPACE2 Hardware Setup
11:45-11:50	FE-1	LOCAD Portable Test System (PTS) Phase 1 Data Recording Operations
11:50-12:00	FE-1	LOCAD Swab Ops With Video
11:55-12:10	FE-5	Private Medical Conference ( <i>Ku+S-band</i> )
12:15-12:25	CDR	Activating RSE2 Laptop to Test Zveno Hardware
12:15-12:45	FE-3	FGB LQB1 Fan Protective Screen Cleaning
12:30-12:35	FE-1	LOCAD Portable Test System (PTS) Phase 1 Data Recording Operations
12:45-13:45	.	LUNCH

13:45-14:25	CDR	PLASMA CRYSTAL-3 PLUS. Experiment setup and start
13:45-15:15	FE-3	Cleaning ГЖТ4 (Gas-Liquid Heat Exchanger) BT-7 Fan Screen
13:45-13:55	FE-4	EHS GC/DMS Ops Start
13:55-14:20	FE-2	InSPACE2 - setup digital camera and take still photos
14:00-14:10	FE-1	LOCAD Swab Ops With Video
14:00-15:00	FE-4	Cleanout of area behind panel JLP1P1
14:10-14:25	FE-5	3D Space Setup
14:20-15:00	FE-2	InSPACE2 Experiment Run
14:25-14:55	FE-5	3D SPACE Experiment
14:25-15:15	CDR	ΠΦ1, ΠΦ2 Dust Filter Replacement and B1, B2 Fan Grille Cleaning in DC1 ( <b>ΦΓΒ1ΠΓΟ_4_417_1</b> , <b>bag 4/357-8 or bag 402</b> ). <b>Discard the removed units. Update the IMS</b>
14:40-14:45	FE-1	LOCAD Portable Test System (PTS) Phase 1 Data Recording Operations
14:45-15:00	FE-1	LOCAD Portable Test System (PTS) Experiment Phase 1 Stow
14:55-15:00	FE-5	3D Space Stowage
15:00-16:30	FE-5	Physical Exercise (RED)
15:15-16:35	FE-3	Cleaning ventilation screens on FGB interior panels (panels 231, 316, 431)
15:20-15:25	FE-4	3D Space Setup
15:25-15:40	FE-1	Private Medical Conference ( <i>Ku+S-band</i> )
15:25-15:55	FE-4	3D SPACE Experiment
15:35-16:50	FE-2	Physical Exercise (TVIS)
15:35-15:55	CDR	PLASMA CRYSTAL-3 PLUS. Experiment Termination
15:40-16:30	FE-1	Work Prep
15:55-16:25	CDR	PLASMA CRYSTAL-3 PLUS. Copy and downlink data from the hard drive
15:55-16:10	FE-4	3D Space Stowage
16:15-17:15	FE-4	FSL Laptop Checkout
16:25-16:55	CDR	Transfer БУПТ-2 <b>#43010001 (b/c 00039024R)</b> from SM ( <b>CM1PO_3_330_1, container bag No. II-3-№363-20</b> ) to FGB for stowage. <b>Report To MCC Stowage Location.</b>
16:30-18:00	FE-1	Physical Exercise (RED)
16:30-17:30	FE-5	Physical Exercise (CEVIS)
16:50-17:50	FE-3	Physical Exercise (TVIS), day 4
16:55-17:15	CDR	IMS Update
16:55-17:10	FE-2	Private Medical Conference ( <i>Ku+S-band</i> )
17:10-17:20	FE-2	InSPACE2 Tape Exchange
17:15-18:05	CDR	Work Prep
17:20-17:30	FE-2	InSPACE2 Hardware Deactivation
17:30-18:15	FE-5	Columbus Return Grid Sensor Housing Inspection & Cleaning
17:30-17:35	FE-2	Glove Box (MSG) Powerdown
17:50-18:20	FE-3	Post-Exercise Hygiene Procedure
18:00-19:00	FE-1	Physical Exercise (TVIS)
18:05-18:15	FE-2	FCF Guides Removal

18:05-18:55	FE-4	Work Prep
18:05-19:05	CDR	Physical Exercise (VELO), day 4
18:15-19:05	FE-2,FE-5	Work Prep
18:20-18:50	FE-3	SEINER Ocean Observations
18:50-19:05	FE-3	Work Prep
18:55-19:00	FE-4	Terminate EHS GC/DMS Ops
19:00-19:05	FE-1	Transfer TVIS, CEVIS, and HRM data to MEC
19:05-19:15	.	Pre-sleep
19:15-19:40	.	Daily Planning Conference ( <i>S-band</i> )
19:40-21:30	FE-1,FE-2,FE-3, FE-4,FE-5	Pre-sleep
19:40-21:25	CDR	
21:25-21:30	CDR	PLASMA CRYSTAL-3 PLUS. Deactivate PK-3 PLUS Experiment Box Turbo Pump
21:30-06:00	.	SLEEP

**Notes:**

1. SM Window #9 shutter opening is at crew discretion with **Report to MCC**
  2. See OSTP for references to US activities.
  3. ***Pre-sleep***: dinner, daily food prep, evening toilet
- End of Radiogram