

Radiogram No. 9844u

24 for 03/28/09

**Soyuz TMA Docking to ISS (AO)**

GMT	CREW	ACTIVITY
09:30-09:40	CDR, FE-1	Morning Inspection
09:30-09:35	FE-2	SLEEP: FE2 Data Log
09:30-14:55	ISS-19, SFPVC	Soyuz ODF Activity
09:35-09:45	FE-2	Morning Inspection
09:40-10:10	CDR	Post-sleep
09:40-10:00	FE-1	
09:45-10:15	FE-2	
10:00-10:45	FE-1	BREAKFAST
10:10-11:00	CDR	
10:15-11:00	FE-2	
10:45-11:00	FE-1	Preparing Istochnik hardware for Soyuz 224 telemetry reception
11:00-11:15	CDR, FE-1, FE-2	Daily Planning Conference ( <i>S-band</i> )
11:15-11:40	CDR, FE-2	Prep for Work
11:15-11:40	FE-1	Activation of Istochnik-M TL system on the ISS RS to receive Soyuz telemetry
11:40-11:45		Setting up Cryogem-03M Refrigerator at + 4 deg C
11:40-11:45	FE-2	Activation of A31P Laptop
11:45-11:55	FE-1	Configuring comm for Soyuz docking
11:45-13:15	FE-2	Physical Exercise (ARED)
11:55-12:10	CDR	SM TV System activation to receive TV from Soyuz and downlink TV image via Ku-band
12:00-13:15	FE-1	Soyuz / ISS approach monitoring
12:10-13:15	CDR	Soyuz docking video downlink via Ku-band
13:15-13:25	CDR	Dome: Retrieval of kits 1, 2
13:15-13:20	FE-2	Dome Cell: Termination of experiment
13:20-13:35		Dome Cell: fixation prep
13:25-13:40	FE-1	Terminate video downlink via Ku-band
13:25-13:35	CDR	Dome: Retrieval of kits 1, 2
13:35-13:45	FE-2	DOME-SAMPLE: Removal 1
13:35-13:40	CDR	DOME-CYLINDER: checkout
13:40-14:40		DOME-CELL: fixation 1
13:45-13:50	FE-2	CB: microscope calibration
13:50-14:00		DOME-SAMPLE: Removal 2
14:00-14:25		CB: Sample observation
14:20-14:25	FE-1	Switching ПРК-ТК PEV to ЭЛЕКТ УПР [ELECTR CONTR] mode
14:25-14:35	FE-2	CB: Sample observation 1 with microscope
14:35-14:45	FE-1	Soyuz post-docking comm reconfig
14:40-14:50	CDR	MELFI: Sample Stowage 1

14:45-15:20	FE-1	COЖ Maintenance
14:55-16:10	ISS-19	Soyuz 224-AO-SM interface leak check. Orlan Suit 1, 2 Drying
15:20-15:35	FE-1	Prep for TV PAO ( <b>To =15:20, T1,T2,T3 from СПП</b> )
15:40-15:55	CDR	Removal of equipment for TV downlink via Ku-band (after 18S docking)
16:10-16:30		Soyuz-AO-SM transfer hatch opening TV PAO downlink "VC Arrival"
16:30-16:50	ISS-19	Install Quick Release Screw Clamps
16:30-16:40	FE-2	CB: Sample observation 2 with microscope
16:50-17:15		Safety briefing
17:15-17:40	CDR-19	CASCADE. Transfer and setup of bioreactor in Cryogem-03 at + 44 C
17:15-17:25	FE-1-19	Terminate suit 1, 2 drying
17:15-17:35	FE-1	CONJUGATION. Transfer from Soyuz and setup in thermostatic chamber at +4 degrees C
17:25-17:40	FE-1-19	Start Drying Spacesuit 3 and Set Up the 1st Pair of Gloves for Drying
17:35-17:40	FE-1	CASCADE. Photography during Insertion into CRYOGEM-03M
17:40-18:40	CDR, FE-1, FE-2, CDR-19, SFPVC	LUNCH
17:40-18:10		LUNCH
18:10-18:15	FE-1-19	Terminate drying the first pair of gloves and start drying the second pair
18:15-18:45		LUNCH
18:40-20:00	CDR	JPM. GPS cable replacement
18:40-18:50	FE-2	CB: Sample observation 3 with microscope
18:40-19:40	CDR-19	Soyuz 224 Deactivation
18:40-19:10	FE-1, SFPVC	VC SFP Familiarization with ISS
18:45-18:50	FE-1-19	Terminate drying the second pair of gloves
18:50-18:55	FE-2	DOME-SAMPLE: Removal 3
18:55-19:15		DOME-CELL: fixation 3
19:00-19:05	FE-1-19	SLEEP - Donning Actiwatch Device (FE2)
19:05-19:35		Exercise equipment overview
19:10-19:20	FE-1	IZGIB (BEND)-DAKON. DAKON Hardware Deactivation
19:15-19:25	FE-2	MELFI: Sample Stowage 2
19:40-19:55	FE-1	ASTROVACCINE. Transfer from Soyuz, set up in SM, and photography
19:40-19:55	CDR-19	Soyuz transfers
19:50-20:00	FE-2	CB: Sample observation 4 with microscope
19:55-20:10	FE-1	Installing removable HDD on RSK2 Laptop
19:55-20:25	CDR-19	POLYGENE. Payload transfer to SM panel 406
19:55-20:25	SFPVC	Installing removable HDD on RSK2 Laptop
20:00-20:15	CDR	Questionnaire: journal entry

20:10-21:10	FE-2	Physical Exercise (CEVIS)
20:10-20:25	FE-1-19	Terminate drying the third suit, start drying the third pair of gloves
20:15-20:25	FE-1	POLYGENE. Photo at exposure location
20:15-21:15	CDR	Physical Exercise (TVIS)
20:25-21:00	CDR-19	BIOEMULSION. Transfer and Setup Bioreactor 02 in Thermostatic Container [KT], Activate Cultivation
20:25-20:50	FE-1	LACTOLEN, ARIL, ОЧБ. Transfer of Bioecologia containers P/N 14, 15 from Soyuz to SM
20:30-21:30	SFPVC	PILLE-SIMONYI-2. Card Transfer, Installation, Reading, resetting to 0, and Stowage
20:50-21:00	FE-1	BIOEMULSION. Photography during experiment ops
20:55-21:00	FE-1-19	Terminate drying the third pair of gloves
21:00-23:00	FE-1, CDR-19	Replacement of personal gear in Soyuz, IELK relocation, transfer of Thermal Protection Jackets [T3K] to the ISS. <b><i>Transfer thermal protection jackets from Soyuz 223 to ISS RS. Update the IMS</i></b>
21:15-22:45	CDR	Physical Exercise (ARED)
21:45-21:50	FE-2	CB: sample removal
21:50-22:30		DOVE-CELL: fixation 2
22:15-22:45	SFPVC	E-MAIL ops
22:30-22:40	FE-2	MELFI: Sample Stowage 3
22:40-22:50		Dome: closeout 1,2,3
22:45-23:00	CDR	Verify ИП-1 Flow Meter Configuration
22:45-22:55	SFPVC	Private conference using IP-Phone ( <i>Ku-band</i> )
22:50-23:00	FE-2	Dome: closeout ops with removal
23:00-23:15	FE-1, CDR-19	Stow suits and gloves after drying
23:00-23:45	FE-1-19	Evening Work Prep
23:00-23:15	FE-2	
23:15-23:45	FE-1, CDR-19	
23:15-23:45	FE-2	MELFI: ICEPAC Insertion into a Dewar
23:15-00:00	SFPVC	Evening Work Prep
23:45-00:00	ISS-18, ISS-19	Daily Planning Conference ( <i>S-band</i> )
00:00-02:00	.	Pre-sleep
02:00-10:30		SLEEP
Task List	FE-1	IMS Update

**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)

End of Radiogram