

Radiogram No. 4918u

Form 24 for 12/23/2010

**ACH-M (Satellite Navigation System-M) HBM-1,2 (Navigation Computer Module-1,2) R&R. FGB ИДЭ-2 Smoke Detector Cleaning.**

| GMT         | CREW                       | ACTIVITY  |
|-------------|----------------------------|---|
| 06:00-06:05 | CDR                        | Reaction Self Test  |
| 06:00-06:10 | <b>FE-1</b>                | SONOCARD Experiment Termination   |
| 06:00-06:05 | <b>FE-2</b>                | Elektron-VM Aerosol Filter Inspection   |
| 06:00-06:10 | <b>FE-4,FE-5,FE-6</b>      | Morning Inspection  |
| 06:05-06:10 | CDR, <b>FE-2</b>           | Morning Inspection  |
| 06:10-06:40 | .                          | Post-sleep  |
| 06:40-07:30 | .                          | BREAKFAST   |
| 07:30-07:55 | .                          | Daily Planning Conference ( <i>S-band</i> )   |
| 07:55-08:10 | .                          | ISS Crew and ГОУ (RSA Flight Control Team Management) Weekly Conference ( <i>S-band</i> )           |
| 08:10-08:25 | CDR                        | Work Prep   |
| 08:10-08:30 | <b>FE-2,FE-4,FE-5,FE-6</b> | Work Prep   |
| 08:15-08:30 | <b>FE-1</b>                | SONOCARD Copy Data to RSE-MED Laptop  |
| 08:30-09:10 | <b>FE-2</b>                | IDENTIFICATION. Copy ИМУ-Ц micro-accelerometer data to laptop                                       |
| 08:30-08:55 | FE-5                       | Acoustic Dosimeters Record Data And Stow Dosimeters   |
| 08:30-09:40 | <b>FE-1</b>                | COULOMB CRYSTAL Experiment Ops  |
| 08:50-11:10 | <b>FE-4</b>                | TYPOLOGY Experiment. <i>Tagup with specialists (S-band)</i>   |
| 08:55-09:25 | CDR,FE-5,FE-6              | ISS-25/ISS-26 Crew Handover   |
| 09:10-09:30 | <b>FE-2</b>                | TYPOLOGY Experiment Assistance  |
| 09:25-10:55 | CDR                        | Physical Exercise (ARED)  |
| 09:25-10:25 | FE-5                       | Crew time for ISS adaptation and orientation  |
| 09:25-09:55 | FE-6                       | Crew time for ISS adaptation and orientation  |
| 09:55-10:10 | <b>FE-2</b>                | TYPOLOGY Photography  |
| 09:55-10:55 | FE-6                       | Physical Exercise T 2   |
| 10:10-10:50 | <b>FE-1,FE-2</b>           | Study of cardiac bioelectric activity at rest. <b>To=10:24.</b> <i>Tagup with specialists (VHF)</i> |
| 10:25-10:35 | FE-5                       | EHS GC/DMS Ops Start  |
| 10:35-10:55 | FE-5                       | ESA Weekly Crew Conference  |
| 10:50-12:20 | <b>FE-1</b>                | Physical Exercise (TVIS), Day 3   |
| 10:55-12:25 | FE-5,FE-6,CDR              | ISS-25/ISS-26 Crew Handover   |
| 10:55-11:25 | <b>FE-2</b>                | Private Conference w/ EVA Specialist ( <i>S-band</i> )  |
| 11:20-12:20 | <b>FE-4</b>                | Crew time for ISS adaptation and orientation  |
| 11:25-12:25 | <b>FE-2</b>                | Physical Exercise (VELO), Day 3   |
| 12:20-12:25 | <b>FE-1,FE-4</b>           | <b>On MCC GO</b> ISS O2 Repress from Progress 408 CpПК Section 1 (start)                            |
| 12:25-13:25 | .                          | LUNCH   |
| 13:25-13:30 | <b>FE-1,FE-4</b>           | ISS O2 repress from Progress 408 CpПК Section 1 (terminate)   |
| 13:25-13:40 | CDR                        | Food Frequency Questionnaire  |

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| 13:25-17:25 | <b>FE-2</b> | FGB ИДЭ-2 Smoke Detector Needle Cleaning. <b>Use Needle Cleaning Accessory (00037971R, ФГБ1ПГО_2_219_1). Discard the used accessories.</b> Tagup with specialists as necessary (S-band) |
| 13:25-13:50 | FE-5        | PAS Hardware Setup  |
| 13:25-13:55 | FE-6        | Crew time for ISS adaptation and orientation  |
| 13:30-14:50 | <b>FE-1</b> | ACH-M (Satellite Navigation System-M) HBM-1,2 (Navigation Computer Module-1,2) R&R  |
| 13:30-16:00 | <b>FE-4</b> | Unloading Soyuz 230 delivered hardware  |
| 13:40-13:55 | CDR         | IMS Tagup (S-band)  |
| 13:55-14:05 | CDR         | CWC Audit   |
| 13:55-14:25 | FE-6        | OGS Quick Disconnect (QD) Mate  |
| 13:55-14:05 | FE-5        | PAO Hardware Setup  |
| 14:05-14:15 | CDR         | BCAT5 Battery Swap  |
| 14:05-14:15 | FE-5        | Crew Prep for PAO   |
| 14:15-14:35 | FE-5        | PAO Event   |
| 14:15-14:45 | CDR         | BCAT5 Initialization  |
| 14:25-15:10 | FE-6        | Nutrition Experiment Blood Kit Consolidation  |
| 14:35-14:45 | FE-5        | PAO Hardware Deactivation   |
| 14:45-15:25 | CDR         | EXPRESS-7 Rack Umbilical Adjustments  |
| 14:45-15:20 | FE-5        | PAS Science Data Collection. Session 1  |
| 14:50-15:15 | <b>FE-1</b> | <b>ISS-MCC TV COULOMB CRYSTAL. (To=14:50, T1, T2, T3 from СПП)</b> Preparation and TV Downlink  |
| 15:15-16:25 | <b>FE-1</b> | ACH-M (Satellite Navigation System-M) HBM-1,2 (Navigation Computer Module-1,2) R&R  |
| 15:20-15:35 | FE-5        | Food Frequency Questionnaire  |
| 15:20-15:55 | FE-6        | PAS Science Data Collection. Session 1  |
| 15:25-15:45 | CDR         | WRS) Keep Out Zone (KOZ) Stowage Reconfiguration  |
| 15:35-15:45 | FE-5        | Stow Earlier Installed Formaldehyde Monitoring Kit (FMK)  |
| 15:45-15:50 | FE-5        | Terminate EHS GC/DMS Ops  |
| 15:45-17:15 | CDR         | Waste and Hygiene Compartment (WHS) Pre-Treat Tank and Pre-Treat Tank Hose Remove & Replace   |
| 15:50-15:55 | FE-5        | Disconnect Display and Control Panel (DCP) Power Cable  |
| 15:55-16:15 | FE-5        | PAS Equipment Stow  |
| 15:55-17:25 | FE-6        | Physical Exercise (ARED)  |
| 16:05-16:25 | <b>FE-4</b> | IMS Update  |
| 16:15-16:20 | FE-5        | Inserting PASSAGES PCMCIA Card into EPM Laptop  |
| 16:20-17:20 | FE-5        | Physical Exercise T 2   |
| 16:25-16:50 | <b>FE-1</b> | <b>ISS-MCC TV COULOMB CRYSTAL TV Downlink (T2, T3 - from Daily Flight Program [СПП])</b>  |
| 16:25-17:55 | <b>FE-4</b> | Physical Exercise (TVIS), Day 4   |
| 16:50-17:05 | <b>FE-1</b> | PAYLOAD SERVER (БСПН) Log File Dump. Tagup with specialists (S-band)  |
| 17:15-18:15 | CDR         | Physical Exercise T 2   |
| 17:20-18:50 | FE-5        | Physical Exercise (CEVIS)   |
| 17:25-18:25 | <b>FE-1</b> | Physical Exercise (VELO), Day 3   |
| 17:25-18:55 | FE-2        | Physical Exercise (TVIS), Day 3   |

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| 17:25-17:55 | FE-6                                 | CCF Hardware Setup   |
| 17:55-18:55 | <b>FE-4</b>                          | Physical Exercise (ARED)   |
| 18:00-18:10 | FE-6                                 | CBEF Attachment to CBEF IU MICRO-G                                     |
| 18:10-18:45 | FE-6                                 | MI-IPU Video Recording Unit (VRU) Exchange                             |
| 18:15-18:25 | CDR                                  | T2 Snubber Arm Inspection  |
| 18:25-19:05 | CDR                                  | Evening Work Prep  |
| 18:25-19:05 | <b>FE-1</b>                          | COX Maintenance  |
| 18:45-19:00 | FE-6                                 | Food Frequency Questionnaire   |
| 18:50-18:55 | FE-5                                 | PASSAGES PCMCIA Card Stow  |
| 18:55-19:00 | <b>FE-2</b>                          | Elektron-VM Aerosol Filter Inspection                                  |
| 18:55-19:05 | <b>FE-4</b>                          | Evening Work Prep  |
| 18:55-19:05 | FE-5                                 | Evening Work Prep  |
| 19:00-19:05 | FE-6                                 | Evening Work Prep  |
| 19:05-19:30 | .                                    | Daily Planning Conference. <b>Soyuz 230 Offloading Report (S-band)</b> |
| 19:30-19:35 | CDR                                  | MPC Power Up   |
| 19:30-20:05 | <b>FE-1,FE-2,<br/>FE-4,FE-5,FE-6</b> | Pre-sleep  |
| 19:35-20:05 | CDR                                  | Pre-sleep  |
| 20:05-20:25 | .                                    | Flight Director / ISS Crew Tagup ( <i>Ku+S-band</i> )                  |
| 20:25-21:20 | CDR                                  | Pre-sleep  |
| 20:25-21:30 | <b>FE-1,FE-2,<br/>FE-4,FE-5,FE-6</b> | Pre-sleep  |
| 21:20-21:25 | CDR                                  | Reaction Self Test   |
| 21:25-21:30 | CDR                                  | MPC Power Down   |
| 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 ops / (daily food prep, dinner, pre-sleep)
  4. **Tagups with specialists (S-band) during all Coulomb Crystal activities**
- End of Radiogram