

Radiogram No. 4441u

Form 24 for 10/27/2010

**CKB2 БТА Heat Exchanger Unit R&R With ВД-СУ Mode Deactivation/Activation And БИТС Power Off/On**

| GMT         | CREW  | ACTIVITY  |
|-------------|---|---|
| 06:00-06:05 | CDR, FE-3, FE-6                             | Reaction Self Test  |
| 06:00-06:10 | <b>FE-1</b>                                 | Morning Inspection  |
| 06:00-06:10 | <b>FE-2</b>                                 | SONOCARD Experiment Termination   |
| 06:00-06:05 | <b>FE-5</b>                                 | Elektron-VM Aerosol Filter Inspection   |
| 06:05-06:10 | CDR, FE-3, <b>FE-5</b> , FE-6               | Morning Inspection  |
| 06:10-06:40 | CDR, <b>FE-1</b> , FE-3, <b>FE-5</b> , FE-6 | Post-sleep  |
| 06:10-06:15 | <b>FE-2</b>                                 | Morning Inspection  |
| 06:15-06:45 | <b>FE-2</b>                                 | Post-sleep  |
| 06:40-07:30 | CDR, <b>FE-1</b> , FE-3, <b>FE-5</b> , FE-6 | BREAKFAST   |
| 06:45-07:35 | <b>FE-2</b>                                 | BREAKFAST   |
| 07:30-07:40 | FE-6  | Work Prep   |
| 07:30-07:50 | CDR, <b>FE-1</b> , FE-3, <b>FE-5</b>        | Work Prep   |
| 07:35-07:50 | <b>FE-2</b>                                 | SONOCARD Data Copy to RSE-MED Laptop and Data Downlink Using OCA                        |
| 07:40-07:50 | FE-6  | VO2 Power Up.   |
| 07:50-08:15 |   | Daily Planning Conference ( <i>S-band</i> )   |
| 08:15-08:25 | <b>FE-1</b>                                 | ГФИ-1 [Geophysical Studies]. Start SONY DCR-TRV900E Camcorder Battery Charge            |
| 08:15-09:25 | FE-6  | VO2max Protocol Preparation   |
| 08:15-09:15 | <b>FE-2</b>                                 | Physical Exercise (VELO), Day 2   |
| 08:15-09:15 | <b>FE-5</b>                                 | Disconnecting CKB2 БТА Heat Exchanger Unit from Compressor Unit and Condenser Unit      |
| 08:25-10:10 | FE-3  | Microbial Air Sampler (MAS) Kit Sample Collection                                       |
| 08:30-09:00 | CDR   | VIS Receiver Exchange   |
| 08:35-09:50 | <b>FE-1</b>                                 | PNEUMOCARD. Experiment Ops. <i>Tagup with specialists (S-band)</i>                      |
| 08:45-08:55 | CDR   | EHS Sampling Start  |
| 09:00-10:15 | CDR   | OGA Water Sampling  |
| 09:15-09:25 | <b>FE-2</b>                                 | PNEUMOCARD Photography During the Experiment  |
| 09:15-09:25 | <b>FE-5</b>                                 | <b>On MCC Go</b> Demate CKB2 БТА telemetry connectors from БИТС2-12                     |
| 09:25-10:05 | FE-6  | VO2max Experiment Protocol Recording  |
| 09:25-11:55 | <b>FE-2, FE-5</b>                           | Changeout of CKB2 Heat Exchanger Unit (БТА)   |
| 09:50-10:55 | <b>FE-1</b>                                 | <b>On MCC GO</b> ISS O2 repress from Progress 407 CpПК Section 2 (start)                |
| 10:05-10:15 | FE-6  | VO2 - Thermolab Data Transfer to Portable PFS, Disconnect and Stow Thermolab Equipment. |
| 10:10-10:15 | FE-3  | TVIS Exercise Video Equipment Setup   |

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| 10:15-11:15 | FE-3                    | Physical Exercise (CEVIS)  |
| 10:15-10:20 | FE-6                    | VO2max PPFS Data Downlink  |
| 10:20-10:30 | FE-6                    | VO2max. Crew Mixing Bag System Cleaning                                      |
| 10:30-11:15 | CDR                     | PCS Troubleshooting  |
| 10:35-10:55 | <b>FE-1</b>             | IMS Update   |
| 10:55-11:00 | <b>FE-1</b>             | ISS O2 repress from Progress 407 CpПК Section 2 (terminate)                  |
| 11:00-12:00 | <b>FE-1</b>             | Physical Exercise (VELO), Day 2  |
| 11:15-11:20 | FE-3                    | Stow video equipment used to record TVIS exercise                            |
| 11:15-12:15 | CDR                     | Physical Exercise (CEVIS)  |
| 11:20-12:50 | FE-3                    | Physical Exercise (ARED)   |
| 11:40-11:50 | FE-6                    | VO2max Crew Portable Pulmonary Function System Conclude                      |
| 11:50-12:50 | FE-6                    | ICV Data Download  |
| 11:55-12:05 | <b>FE-2</b>             | Preparation for demating БИТС2-12 3Y1A connectors / r                        |
| 12:00-12:30 | <b>FE-1</b>             | Symbolic Activity Preparation  |
| 12:05-12:15 | <b>FE-2</b>             | <b>On MCC Go:</b> Demate БИТС2-12 3Y1A telemetry connectors                  |
| 12:05-12:15 | <b>FE-5</b>             | <b>On MCC Go</b> Mate CKB2 БТА telemetry connectors to БИТС2-12              |
| 12:15-12:50 | CDR                     | OGS Water Sampling   |
| 12:30-13:10 | <b>FE-1, FE-2, FE-5</b> | Russia's Post Office Symbolic Activity                                       |
| 12:50-13:10 | CDR, FE-3, FE-6         | Russia's Post Office Symbolic Activity                                       |
| 13:10-14:10 |                         | LUNCH  |
| 14:10-14:45 | <b>FE-2</b>             | COЖ Maintenance  |
| 14:10-14:25 | FE-3                    | Private Medical Conference   |
| 14:10-14:40 | <b>FE-5, FE-6</b>       | Skills training for the Shuttle R-Bar Pitch Maneuver                         |
| 14:10-15:25 | CDR                     | OGS Water Sampling   |
| 14:25-15:40 | <b>FE-1</b>             | Study of veins in lower extremities  |
| 14:25-16:40 | FE-3                    | Surface Sample Kit (SSK) Collection/Incubation                               |
| 14:40-15:40 | <b>FE-5</b>             | Cleanup Ops after CKB2 БТА R&R   |
| 14:40-14:45 | FE-6                    | Downlink images obtained during RPM OBT                                      |
| 14:45-15:00 | FE-6                    | Private Medical Conference   |
| 14:45-15:25 | <b>FE-2</b>             | БИТС2-12 3Y1A Replacement  |
| 15:00-15:05 | FE-6                    | VO2max PPFS Stowage  |
| 15:05-15:20 | FE-6                    | ICV Data Download Conclude   |
| 15:20-16:40 | FE-6                    | ISS Crew tagup with Kent Rominger from the Astronaut Office                  |
| 15:25-15:35 | <b>FE-2</b>             | <b>On MCC GO</b> Mate БИТС2-12 3Y1A telemetry connectors                     |
| 15:25-15:30 | CDR                     | EHS Sampling Termination   |
| 15:35-15:45 | <b>FE-2</b>             | БИТС2-12 3Y1A Replacement (termination)                                      |
| 15:40-16:40 | <b>FE-5</b>             | Physical Exercise (VELO), Day 1  |
| 15:40-17:10 | <b>FE-1</b>             | Physical Exercise (TVIS), Day 2  |
| 15:40-17:10 | CDR                     | Physical Exercise (ARED)   |
| 15:45-15:55 | <b>FE-2</b>             | Monitoring Secondary Purification Unit Temperature After Elektron Activation |
| 15:55-16:25 | <b>FE-2</b>             | SEINER Ocean Observations / r/g  |

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| 16:40-18:10      | <b>FE-5</b>       | Physical Exercise (TVIS), Day 1  |
| 16:40-17:40      | FE-6              | Physical Exercise T 2  |
| 16:40-16:55      | FE-3              | SPHERES Payload Review   |
| 16:55-17:10      | <b>FE-2</b>       | BAR Pyren Charging Start   |
| 16:55-17:10      | FE-3              | SPHERES Crew Conference  |
| 17:10-17:40      | <b>FE-2</b>       | Evening Work Prep  |
| 17:10-17:15      | FE-3              | CGBA 5 Bioprocessor Status Check   |
| 17:10-17:25      | CDR               | Private Medical Conference   |
| 17:15-18:05      | <b>FE-1</b>       | RELAXATION Hardware Setup. <i>Tagup with specialists (S-band)</i>                                |
| 17:15-17:35      | FE-3              | DECLIC Removable Hard Disk Drive Exchange  |
| 17:25-17:55      | CDR               | A/L Preparation  |
| 17:40-19:10      | FE-6              | Physical Exercise (ARED)   |
| 17:40-19:10      | <b>FE-2</b>       | Physical Exercise (TVIS), Day 2  |
| 17:55-18:40      | CDR, FE-3         | Remove Items From US Airlock   |
| 18:05-18:20      | <b>FE-1</b>       | RELAXATION. Setting parameters and starting the hardware. <i>Tagup with specialists (S-band)</i> |
| 18:20-18:35      | <b>FE-1</b>       | RELAXATION. Ionosphere Radiation Survey  |
| 18:25-18:30      | <b>FE-5</b>       | Elektron-VM Aerosol Filter Inspection  |
| 18:30-19:10      | <b>FE-5</b>       | Evening Work Prep  |
| 18:35-19:10      | <b>FE-1</b>       | RELAXATION. Hardware Removal. <i>Tagup with specialists (S-band)</i>                             |
| 18:40-19:10      | FE-3              | Evening Work Prep  |
| 18:40-18:50      | CDR               | T2 Snubber Arm Inspection  |
| 19:05-19:10      | CDR               | Evening Work Prep  |
| 19:10-19:35      |                   | Daily Planning Conference ( <i>S-band</i> )  |
| 19:35-21:30      | <b>FE-2, FE-5</b> | Pre-sleep  |
| 19:35-21:25      | CDR, FE-3         | Pre-sleep  |
| 19:35-20:05      | <b>FE-1</b>       | INTERACTION Experiment Ops   |
| 19:35-19:40      | FE-6              | MPC Power Up   |
| 19:40-21:20      | FE-6              | Pre-sleep  |
| 20:05-21:20      | <b>FE-1</b>       | Pre-sleep  |
| 21:20-21:30      | <b>FE-1</b>       | SONOCARD Experiment Start  |
| 21:20-21:25      | FE-6              | Reaction Self Test   |
| 21:25-21:30      | CDR, FE-3         | Reaction Self Test   |
| 21:25-21:30      | FE-6              | MPC Power Down   |
| 21:30-06:00      |                   | SLEEP  |
| <b>Task List</b> | <b>FE-2</b>       | Window Inspection  |

**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
  4. Tagups with specialists during all activities related to: **Replacement of БТА CBK2 and ЗУ1А БИТС2-12** as needed
- End of Radiogram