

Radiogram No. 7267u Form 24 for 09/14/2011

**Return Hardware Loading. LBNP Exercise.**

| <b>GMT</b>  | <b>CREW</b>            | <b>ACTIVITY</b>   |
|-------------|------------------------|---|
| 06:00-06:10 | <b>FE-1</b>            | Morning Inspection. <b>SM PCC [Caution &amp; Warning Panel] Test</b>                  |
| 06:00-06:10 | <b>CDR</b>             | Morning Inspection. <b>Visual Inspection of MRM2 Circuit Breakers [A3C] and Fuses</b> |
| 06:00-06:10 | <b>FE-4</b>            | Morning Inspection <b>Visual Inspection of MRM1 БПП-4, БПП-7 Fuses</b>                |
| 06:00-06:05 | FE-6                   | Integrated Immune Experiment Historical Documentation Photography                     |
| 06:00-06:05 | FE-3, FE-5             | Integrated Immune Liquid Saliva Sample Collection                                     |
| 06:05-06:10 | FE-6                   | Integrated Immune Liquid Saliva Sample Collection                                     |
| 06:05-06:10 | FE-3                   | Integrated Immune - Dry Saliva Sample Collection                                      |
| 06:05-06:10 | FE-5                   | Integrated Immune Experiment Historical Documentation Photography                     |
| 06:10-06:15 | FE-5                   | Integrated Immune - Dry Saliva Sample Collection                                      |
| 06:10-06:40 | <b>CDR, FE-1, FE-4</b> | Post-sleep  |
| 06:10-06:15 | FE-3                   | Integrated Immune Experiment Historical Documentation Photography                     |
| 06:10-06:15 | FE-6                   | Integrated Immune - Dry Saliva Sample Collection                                      |
| 06:15-06:20 | FE-3, FE-5, FE-6       | Reaction Self Test  |
| 06:20-06:30 | FE-3, FE-5, FE-6       | Post-sleep  |
| 06:30-06:35 | FE-3, FE-5, FE-6       | Integrated Immune - Dry Saliva Sample Collection                                      |
| 06:35-06:55 | FE-3, FE-5, FE-6       | Post-sleep  |
| 06:40-07:30 | <b>CDR, FE-1, FE-4</b> | BREAKFAST   |
| 06:55-07:50 | FE-3, FE-5, FE-6       | BREAKFAST   |
| 07:30-07:50 | <b>CDR, FE-1, FE-4</b> | Work Prep   |
| 07:50-08:15 |                        | Daily Planning Conference ( <i>S-band</i> )   |
| 08:15-08:30 | <b>CDR, FE-4</b>       | Signing ISS RS Handover Protocol  |
| 08:15-08:30 | <b>FE-1</b>            | КОБ2 4ГБ4 Half-Coupling Shell Coolant Leak Check                                      |
| 08:15-08:30 | FE-6                   | Work Prep   |
| 08:15-08:30 | FE-5                   | ISS Crew/SSIPC Conference   |
| 08:15-08:35 | FE-3                   | Work Prep   |
| 08:30-08:45 | <b>FE-4</b>            | <b>On MCC GO БМП Ф2 Absorption Cartridge Regeneration (start)</b>                     |
| 08:30-08:35 | FE-6                   | HAM Radio Session Setup   |
| 08:30-08:45 | FE-5                   | Work Prep   |
| 08:35-08:50 | FE-6                   | HAM Radio Session   |
| 08:35-08:50 | FE-3                   | Private Medical Conference  |
| 08:45-09:00 | <b>FE-4</b>            | PLANTS-2. Watering /  |
| 08:45-08:50 | FE-5                   | MS Camcorder Setup  |
| 08:50-10:50 | FE-5                   | MS FPEF Setup   |

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| 08:50-10:50 | FE-3                       | Crew Departure Prep   |
| 09:10-09:15 | FE-1                       | <b>On MCC Go</b> ISS O2 repress from Progress CpПК (start)  |
| 09:15-10:45 | <b>CDR, FE-4 (assists)</b> | LBNP Exercise (FINAL). <i>Tagup (VHF)</i>   |
| 09:15-10:15 | FE-6                       | ISS 27 Crew Handover  |
| 09:15-10:15 | FE-1                       | Crew Departure Prep   |
| 10:15-10:20 | FE-1                       | ISS O2 repress from Progress 410 CpПК (terminate)   |
| 10:45-12:15 | <b>FE-1, CDR (assists)</b> | LBNP Exercise (FINAL). <i>Tagup (VHF)</i>   |
| 10:50-11:00 | FE-5                       | PAO Hardware Setup  |
| 11:00-11:10 | FE-5                       | Crew Prep For PAO   |
| 11:10-11:30 | FE-5                       | PAO Event   |
| 11:15-12:30 | FE-6                       | Physical Exercise (CEVIS)   |
| 11:20-11:25 | FE-3                       | ISSAC Lab Window Shutter Open   |
| 11:25-11:30 | FE-3                       | Integrated Immune - Dry Saliva Sample Collection  |
| 11:30-12:30 | FE-3                       | Physical Exercise (T2)  |
| 11:40-12:15 | FE-5                       | MS FPEF Setup 2   |
| 11:45-12:50 | <b>FE-4</b>                | PNEUMOCARD Experiment Ops <i>Tagup with specialists (S-band) / r/g 7288</i>   |
| 12:15-12:55 | <b>FE-1</b>                | Microbial sample collection - sampling for Kit 2  |
| 12:25-13:25 | <b>CDR</b>                 | Sanitary & Epidemiological Status Monitoring  |
| 12:30-14:00 | FE-3                       | Physical Exercise (ARED)  |
| 12:35-12:40 | FE-6                       | Integrated Immune - Dry Saliva Sample Collection  |
| 12:40-12:45 | FE-5                       | Integrated Immune - Dry Saliva Sample Collection  |
| 12:45-13:35 | FE-5                       | MS FPEF Setup 3   |
| 12:50-13:00 | <b>FE-4</b>                | Sanitary & Epidemiological Status Monitoring  |
| 13:00-14:00 | <b>FE-4</b>                | Physical Exercise (VELO), Day 1   |
| 13:00-14:00 | <b>FE-1</b>                | Dismantling ЛКТ (TA251M1Б) and ROM from Soyuz 231. <b>Stow dismantled ЛКТ and ROM in bag 353-8 (00037141R, CM1PO_3_314_1)</b> |
| 13:05-13:20 | FE-6                       | Private Medical Conference  |
| 13:20-13:55 | FE-6                       | WHC System Maintenance  |
| 13:25-13:40 | <b>CDR</b>                 | Verify ИП-1 sensor positions  |
| 14:00-15:00 |                            | LUNCH   |
| 15:00-15:30 | <b>FE-1</b>                | INTERACTION Experiment Ops  |
| 15:00-15:30 | FE-6                       | Equipment Gathering   |
| 15:00-15:15 | FE-5                       | MS FPEF Cable Connection  |
| 15:00-15:15 | <b>CDR</b>                 | GINSENG-2. Remove and Transfer Biocology Container to Soyuz for Return  |
| 15:00-15:25 | <b>FE-4</b>                | Air sampling in SM using AK-1M sampler before Soyuz 231 landing   |
| 15:00-16:00 | FE-3                       | Crew Departure Prep   |
| 15:15-15:30 | <b>CDR</b>                 | BACTERIOPHAGE. Dismantle and transfer container to Soyuz  |
| 15:15-15:35 | FE-5                       | MS Stow   |
| 15:25-15:35 | <b>FE-4</b>                | SM air sampling for Freon using AK-1M sampler   |
| 15:30-15:40 | <b>CDR</b>                 | LAKTOLEN. Transfer of BIOECOLOGY Container from SM to Soyuz   |
| 15:30-18:00 | <b>FE-1</b>                | Return Equipment Stowage in Soyuz 231   |

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| 15:35-15:40 | FE-5                | MS Closeout Ops   |
| 15:35-15:45 | <b>FE-4</b>         | Air sampling for CO using ИПД indicator samplers                                      |
| 15:40-15:50 | <b>CDR</b>          | LAKTOLEN. Photography of Bioecology Containers on SM                                  |
| 15:40-15:55 | FE-5                | Private Medical Conference  |
| 15:45-15:50 | FE-6                | MPC Power Up  |
| 15:45-16:00 | <b>FE-4</b>         | ИПД air sampling for ammonia  |
| 15:50-16:05 | <b>CDR</b>          | BIOTREK Dismantle Bioecology container and transfer to Soyuz                          |
| 16:00-16:40 | <b>FE-4</b>         | Inspection of EDV [KOV] and Separation as necessary /                                 |
| 16:05-16:15 | <b>CDR</b>          | BIOTREK Photography   |
| 16:10-16:15 | FE-3, FE-5,<br>FE-6 | Integrated Immune - Dry Saliva Sample Collection                                      |
| 16:15-16:45 | <b>CDR</b>          | INTERACTION CDR Experiment Ops  |
| 16:15-18:15 | FE-3                | Hardware Prepack for Return on 26S  |
| 16:25-16:30 | FE-6                | MPC Power Down  |
| 16:30-17:45 | FE-6                | Physical Exercise (ARED)  |
| 16:40-17:20 | <b>FE-4</b>         | COЖ Maintenance   |
| 16:45-17:45 | <b>CDR</b>          | Physical Exercise (TVIS), Day 4   |
| 16:45-17:45 | FE-5                | Physical Exercise (CEVIS)   |
| 17:45-19:15 | <b>CDR, FE-6</b>    | CDR to CDR Handover   |
| 17:45-19:15 | FE-5                | Physical Exercise (ARED)  |
| 17:55-18:15 | <b>FE-4</b>         | IMS Update  |
| 18:00-19:00 | <b>FE-1</b>         | Physical Exercise (T2) day 4  |
| 18:40-19:05 | <b>FE-4</b>         | Evening Work Prep   |
| 19:05-20:35 | <b>FE-4</b>         | Physical Exercise (TVIS), Day 1   |
| 19:15-20:15 | <b>CDR</b>          | Crew Departure Prep   |
| 19:20-19:35 | FE-6                | Integrate Immune -Configure Blood Sample Collection Hardware                          |
| 19:35-19:55 | FE-5                | Integrated Immune Blood Sample Draw   |
| 19:35-19:55 | FE-6                | Integrated Immune Blood Sample Draw by Operator                                       |
| 19:40-19:45 | FE-3                | Integrated Immune Experiment Historical Documentation Photography                     |
| 19:55-20:15 | FE-6                | Integrated Immune Blood Sample Draw by Operator                                       |
| 19:55-20:15 | FE-3                | Integrated Immune Blood Sample Draw   |
| 20:00-20:05 | FE-5                | Integrated Immune Experiment Historical Documentation Photography                     |
| 20:15-20:35 | FE-6                | Integrated Immune Blood Sample Draw   |
| 20:15-20:35 | FE-3                | Integrated Immune Blood Sample Draw by Operator                                       |
| 20:20-20:25 | FE-5                | Integrated Immune Experiment Historical Documentation Photography                     |
| 20:25-20:50 | <b>CDR, FE-1</b>    | Evening Work Prep   |
| 20:25-20:40 | FE-5                | Integrated Immune Health Survey   |
| 20:35-20:50 | FE-6                | Integrated Immune Health Survey   |
| 20:35-20:50 | FE-3                | Evening Work Prep   |
| 20:35-20:50 | <b>FE-4</b>         | БМП Ф2 Absorption Cartridge Regeneration (termination)                                |
| 20:50-21:15 |                     | Daily Planning Conference ( <i>S-band</i> )<br><b>Soyuz 231 Loading Status Report</b> |
| 21:15-21:25 | FE-3                | Evening Work Prep   |

|                  |                              |   |
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| 21:15-21:40      | FE-6                         | Pre-sleep   |
| 21:15-21:40      | <b>CDR, FE-1, FE-4, FE-5</b> | Evening Work Prep   |
| 21:25-21:35      | FE-3                         | Pre-sleep   |
| 21:35-21:40      | FE-3                         | MPC Power Up  |
| 21:40-22:00      |                              | Change of Command Ceremony                                    |
| 22:00-22:10      | FE-6                         | Crew Quarters (CQ) Configuration                              |
| 22:00-00:00      | <b>CDR, FE-4</b>             | Pre-sleep   |
| 22:00-22:15      | FE-5                         | Pre-sleep   |
| 22:00-22:25      | <b>FE-1</b>                  | Pre-sleep   |
| 22:00-23:45      | FE-3                         | Pre-sleep   |
| 22:10-22:15      | FE-6                         | Pre-sleep   |
| 22:15-22:30      | FE-5, FE-6                   | Private Special Conference                                    |
| 22:25-22:35      | <b>FE-1</b>                  | Check and Maintain Comm from Soyuz 231 via RGS ( <i>VHF</i> ) |
| 22:30-23:50      | FE-5, FE-6                   | Pre-sleep   |
| 22:35-00:00      | <b>FE-1</b>                  | Pre-sleep   |
| 23:45-23:50      | FE-3                         | Reaction Self Test  |
| 23:50-23:55      | FE-5, FE-6                   | Reaction Self Test  |
| 23:50-23:55      | FE-3                         | Integrated Immune - Dry Saliva Sample Collection              |
| 23:55-00:00      | FE-5, FE-6                   | Integrated Immune - Dry Saliva Sample Collection              |
| 23:55-00:00      | FE-3                         | MPC Power Down  |
| 00:00-13:00      |                              | SLEEP   |
| <b>Task List</b> | <b>FE-4</b>                  | Preparation of reports for Roskosmos site                     |
|                  |                              | PLANTS-2. Water Tank Refill                                   |

**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
- End of Radiogram