

Radiogram No. 557u

Form 24 for 06/23/09

SOYUZ 224 DESCENT MODULE COOLER/DRYER [XCA-CA] R&R. PUMPING NITROGEN OUT OF FGB OXIDIZER (BO) TANK

| GMT | CREW | ACTIVITY |
|-------------|-----------------------------------|---|
| 06:00-06:10 | CDR, FE-1, FE-2, FE-3, FE-4 | Morning Inspection |
| | FE-5 | Acoustic Dosimeters Post-Sleep Data Downlink |
| 06:10-06:40 | CDR, FE-1, FE-2, FE-3, FE-4 | Post-sleep |
| 06:10-06:20 | | Dosimeter Deployment for Taking Static Measurements |
| 06:20-06:30 | FE-5 | Morning Inspection |
| 06:30-07:00 | | Post-sleep |
| 06:40-07:30 | CDR, FE-1, FE-2, FE-3, FE-4 | BREAKFAST |
| 07:00-07:50 | FE-5 | |
| 07:30-07:50 | CDR, FE-1, FE-2, FE-3, FE-4 | Work Prep |
| 07:50-08:15 | | Daily Planning Conference (<i>S-band</i>) |
| 08:15-08:25 | FE-4 | Total Organic Carbon Analyzer (TOCA) Priming |
| 08:15-09:30 | FE-2 | Physical Exercise (ARED) |
| 08:15-09:00 | FE-1 | Fluid System Servicer (FSS) Stowage Relocation in LAB |
| 08:15-09:45 | FE-3 | Replacing 800A Unit A105 (on AB #5)(Install cartridge #2395561502, ФГБ1ПГО_1_107, b/c 00048188R). Discard old unit. Update the IMS |
| 08:15-08:35 | FE-5 | Work Prep |
| 08:15-11:15 | CDR | Soyuz 224 DM Cooler/Dryer R&R Phase 1. <i>Tagup with specialists (S-band)</i> |
| 08:25-08:35 | FE-4 | WRS Water Sample Analysis |
| 08:35-09:55 | | IRED Cable De-tension |
| 09:00-09:40 | FE-5 | FSL Optical Target Installation |
| 09:30-10:45 | FE-2 | Physical Exercise (CEVIS) |
| 09:40-09:50 | FE-1 | Glove Box (MSG) Activation |
| 09:45-10:30 | FE-3 | De-installing Progress 402 Docking Mechanism |
| 09:50-10:20 | FE-1 | SPICE Burner Replacement |
| 09:55-11:25 | FE-4 | Physical Exercise (ARED) |
| 10:20-11:05 | FE-1 | SPICE Test Ops |
| 10:25-11:25 | FE-5 | Physical Exercise (TVIS) |
| 10:30-11:30 | FE-3 | MATRYOSHKKA-R BUBBLE-Dosimeter Collection and Readings. <i>Tagup with specialists (S-band)</i> |
| 10:45-12:15 | FE-2 | Fluid Servicing System (FSS) Installation |
| 11:05-11:15 | FE-1 | SPICE Burner Replacement |
| 11:15-11:45 | CDR | JAXA 3D Prep for Equipment Relocation |
| 11:15-11:45 | FE-1 | SPICE Gas Bottle Exchange |

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| 11:25-12:55 | FE-5 | Physical Exercise (ARED) |
| 11:30-11:40 | FE-4 | TOCA Data Transfer |
| 11:30-12:30 | FE-3 | Physical Exercise (TVIS) Day 2 |
| 11:45-12:30 | FE-1 | SPICE Test Ops |
| 11:55-12:55 | CDR | Physical Exercise (VELO) Day 3 |
| 12:10-12:25 | FE-4 | Private Medical Conference (<i>Ku + S-band</i>) |
| 12:15-12:45 | FE-2 | Fill the Gas Trap for the ITCS |
| 12:30-12:55 | FE-3 | Post-Exercise Hygiene Procedure |
| 12:45-12:55 | FE-1 | PAO Hardware Setup |
| 12:55-13:55 | | LUNCH |
| 13:55-15:25 | CDR | Orlan suit #26, #27 Prep for Disposal |
| 13:55-14:00 | FE-5 | EPM Laptop Activation |
| 13:55-14:25 | FE-4 | IMV Fan Cleaning |
| 13:55-15:55 | FE-3 | Stowage and Audit of Hardware to be Disposed of on Progress |
| 14:00-14:10 | FE-1 | SPICE Videotape Exchange |
| 14:00-14:05 | FE-5 | Integrated Cardiovascular (ICV) Cardiopres Prep |
| 14:05-14:15 | | Connect Cardiopres to the Cardiolab Main Unit |
| 14:10-14:20 | FE-1 | SPICE Microdrive Exchange |
| 14:20-14:25 | | Glove Box (MSG) Powerdown |
| 14:25-14:35 | | Crew prep for PAO |
| 14:35-14:55 | | PAO Event (<i>Ku + S-band</i>) |
| 14:55-15:05 | FE-5 | PAO Hardware Deactivation |
| 14:55-15:55 | FE-2 | Columbus Fluid Servicing System (FSS) Refill |
| 15:15-15:35 | FE-5 | Copy Cardiopres Data to PCMCIA Card |
| 15:15-16:45 | FE-1 | Physical Exercise (ARED) |
| 15:15-16:15 | FE-4 | Physical Exercise (TVIS) |
| 15:25-15:55 | CDR | Stowage and Audit of Hardware to be Disposed of on Progress |
| 15:35-15:40 | FE-5 | Copy Cardiopres Data to HRF |
| 15:50-16:00 | | Stow Cardiopres Equipment |
| 15:55-16:25 | FE-2 | Relocate FSS from LAB to JPM |
| 15:55-16:15 | CDR | IMS Update |
| 15:55-16:10 | FE-3 | Private Medical Conference (<i>Ku + S-band</i>) |
| 16:00-16:05 | FE-5 | Deactivate and Stow EPM Laptop |
| 16:10-16:50 | FE-3 | COЖ Maintenance |
| 16:15-18:30 | FE-4 | USOS Hatch Seal Inspection |
| 16:15-16:30 | CDR | Private Medical Conference (<i>Ku + S-band</i>) |
| 16:25-17:25 | FE-2 | JPM ATCS Water Refill |
| 16:30-16:45 | CDR | Verify ИП-1 Flow Meter Configuration |
| 16:45-17:45 | CDR | Physical Exercise (TVIS) Day 3 |
| | FE-1 | Physical Exercise (CEVIS) |
| 17:10-17:40 | FE-5 | CCAA Swapover |
| 17:15-18:15 | FE-3 | Physical Exercise (ARED) Day 2 |

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| 17:25-17:40 | FE-2 | JPM Gas Trap Manual Valves Reconfiguration |
| 17:45-18:15 | FE-1 | Fluid System Servicer (FSS) Stowage Relocation |
| 17:45-18:15 | CDR | Post-Exercise Hygiene Procedure |
| 17:50-18:40 | FE-5 | Evening Work Prep |
| 18:00-18:45 | FE-2 | |
| 18:15-18:25 | CDR | BAR Kelvin-Video Charging (start) |
| 18:15-18:45 | FE-1, FE-3 | Evening Work Prep |
| 18:25-18:45 | CDR | |
| 18:30-18:45 | FE-4 | |
| 18:40-18:45 | FE-5 | Transfer TVIS, CEVIS, and HRM data to MEC |
| 18:45-19:10 | | Daily Planning Conference (<i>S-band</i>) |
| 19:10-21:10 | FE-5 | Pre-sleep |
| 19:10-19:25 | FE-2 | JPM Gas Trap Manual Valves Reconfiguration |
| 19:10-19:30 | CDR, FE-1, FE-3, FE-4 | Evening Work Prep |
| 19:25-19:30 | FE-2 | |
| 19:30-21:30 | CDR, FE-1, FE-2, FE-3, FE-4 | Pre-sleep |
| 21:10-21:30 | FE-5 | Acoustic Dosimeters Record Data and Stow Dosimeters |
| 21:30-06:00 | | SLEEP |
| Task List | CDR | Testing Biomed YCI BETA-08 on Gamma-1M Console |

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:** dinner, daily food prep, evening toilet
- End of Radiogram