

Radiogram No. 6838u

Form 24 for 07/26/2011

EVA SUIT PREPARATION. RS ATTITUDE CONTROL THRUSTERS (ДО) INHIBIT

| GMT | CREW | ACTIVITY |
|-------------|------------------------------------|--|
| 06:00-06:10 | CDR | Morning Inspection SM ПСС [Caution & Warning Panel] Test |
| 06:00-06:10 | FE-1, FE-4, FE-5, FE-6 | Morning Inspection |
| 06:00-06:30 | FE-3 | SOLO Blood Sample Collection |
| 06:10-06:40 | CDR, FE-1, FE-4, FE-5, FE-6 | Post-sleep |
| 06:30-06:50 | FE-3 | SOLO Refrigerated Centrifuge (RC) Setup & Configure |
| 06:40-07:30 | CDR, FE-1, FE-4, FE-5, FE-6 | BREAKFAST |
| 06:50-07:00 | FE-3 | Morning Inspection |
| 07:00-07:20 | FE-3 | SOLO MELFI Blood Sample Insertion |
| 07:20-08:00 | FE-3 | Portable Clinical Blood Analyzer (PCBA) for SOLO Experiment |
| 07:30-07:45 | FE-6 | Work Prep |
| 07:30-07:40 | FE-4 | Verification of anti-virus scan results on Auxiliary Computer System (BKC) laptops |
| 07:30-07:50 | CDR, FE-1, FE-5 | Work Prep |
| 07:40-07:50 | FE-4 | Stop charging the first Orlan battery pack 825M3 and start charging the second pack #1262431132 (Orlan suit #6) |
| 07:45-07:50 | FE-6 | EKAM WORF Battery Swap |
| 07:50-08:00 | FE-4 | Work Prep |
| 07:50-07:55 | FE-5 | Battery D2XS Charge |
| 07:50-07:55 | FE-6 | Photography of ErthKAM Configuration |
| 08:00-08:25 | | Daily Planning Conference (<i>S-band</i>) |
| 08:25-09:00 | CDR | COЖ Maintenance |
| 08:25-08:50 | FE-6 | On-orbit Hearing Assessment using EARQ |
| 08:25-08:55 | FE-3 | Urine Collection for SOLO Experiment |
| 08:25-09:35 | FE-5 | JPM Internal Port Camera Removal and Replacement (R&R). Part 3 |
| 08:25-09:05 | FE-1, FE-4 | Activation and Inspection of Orlan suits #4, 6 |
| 08:50-09:00 | FE-6 | JPM Internal Port Camera Removal and Replacement (R&R) Part 3 |
| 08:55-09:25 | FE-3 | Post-sleep |
| 09:00-10:00 | FE-6 | Physical Exercise T 2 |
| 09:00-09:30 | CDR | Checking KURS-P-SM cable connections and taking pictures. <i>Tagup with specialists / r/g 6849</i> |
| 09:05-09:25 | FE-1 | DC1 БСС [Spacesuit Interface Unit] Checkout |
| 09:05-09:25 | FE-4 | ПхО БСС [Spacesuit Interface Unit] Checkout |
| 09:25-10:25 | FE-1 | Spacesuit 6 and БСС cooling loop gas/water separation in DC1 |
| 09:25-10:25 | FE-4 | Spacesuit 4 and БСС cooling loop gas/water separation in DC1 |
| 09:25-10:15 | FE-3 | BREAKFAST |
| 09:30-10:00 | CDR | Position T61p Laptop Power Supply on SM (provided by NASA) / r/g 6854 |
| 09:35-11:05 | FE-5 | Physical Exercise (ARED) |
| 10:00-10:15 | CDR | Verify ИП-1 sensor positions |

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| 10:10-12:25 | FE-6 | SGANT Cable Routing |
| 10:15-10:35 | FE-3 | Work Prep |
| 10:25-11:55 | FE-1 | Physical Exercise (TVIS), Day 2 |
| 10:30-10:40 | CDR | BAR TTM-2 Charging Start |
| 10:30-11:00 | FE-4 | Adjust Spacesuit 4 БPTA-2 Radio Telemetry Unit to Spacesuit 1 frequency |
| 10:35-10:40 | FE-3 | CGBA-5 Status Check |
| 10:40-10:50 | CDR | MOLNIYA-GAMMA БСПН (Payload Server) Science and Service Data Dump using RSS1 (start) |
| 10:40-11:10 | FE-3 | Psychological Evaluation Program (WinSCAT) |
| 10:50-11:00 | CDR | Private Medical Conference with Physical Exercise Specialist (<i>S-band</i>) |
| 11:05-11:25 | FE-5 | JEM 3D Camcorder Setup |
| 11:10-12:40 | CDR | Physical Exercise (ARED) |
| 11:10-11:20 | FE-3 | Unstow Water Recovery System (WRS) Recycle Filter Tank Assembly (RFTA) |
| 11:20-12:05 | FE-3 | WRS RFTA Remove and Replace |
| 11:25-11:30 | FE-5 | JEM 3D Camcorder Checkout |
| 11:30-11:40 | FE-4 | Private Medical Conference with Physical Exercise Specialist (<i>S-band</i>) |
| 11:30-11:35 | FE-5 | JEM 3D Camcorder Deactivation and Stow |
| 11:35-11:40 | FE-5 | Battery D2XS Charge |
| 11:40-12:05 | FE-5 | On-orbit Hearing Assessment using EARQ |
| 11:40-13:10 | FE-4 | Physical Exercise (TVIS), Day 3 |
| 11:55-12:05 | FE-1 | Private Medical Conference with Physical Exercise Specialist (<i>S-band</i>) |
| 12:05-12:35 | FE-1 | Crew Medical Officer (CMO) Proficiency Training |
| 12:05-12:15 | FE-3 | WRS Stow Used RFTA |
| 12:05-13:10 | FE-5 | PMM Cleanup |
| 12:25-12:35 | FE-6 | Glove Box (MSG) Activation |
| 12:35-12:40 | FE-6 | EKAM WORF Battery Swap |
| 12:35-13:35 | FE-3 | LUNCH |
| 12:40-13:00 | CDR | Set up configuration to pump water from Progress 411 Rodnik Tank БB1 to Progress 410 Rodnik Tank БB2 |
| 12:40-13:40 | FE-6 | LUNCH |
| 12:55-13:10 | FE-1 | Private Medical Conference (<i>S-band</i>) |
| 13:00-13:30 | CDR | LUNCH |
| 13:10-14:10 | FE-1, FE-4, FE-5 | |
| 13:30-13:35 | CDR | Water transfer from Progress 411 Rodnik Water Tank БB1 to Progress 410 Rodnik Tank БB2 - compressor restart |
| 13:35-14:05 | CDR | LUNCH |
| 13:35-14:35 | FE-3 | Waste and Hygiene Compartment ЕДБ Build and R&R |
| 13:40-13:55 | FE-6 | Space to Ground Antenna (SGANT) Cable Reconfig |
| 13:55-14:15 | FE-6 | SHERE. Experiment Start |
| 14:05-14:10 | CDR | Water transfer from Progress 411 Rodnik Water Tank БB1 to Progress 410 Rodnik Tank БB2 - compressor restart / r/g 6850 |
| 14:10-15:30 | FE-1, FE-4 | Orlan Replaceable Elements Ops |
| 14:10-15:00 | FE-5 | JPM Internal Port Camera Removal and Replacement Closeout |
| 14:20-14:30 | FE-6 | JPM Internal Port Camera Removal and Replacement Closeout Support |

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| 14:20-14:40 | CDR | BTK2 Fan Replacement |
| 14:30-14:40 | FE-6 | End METOX regeneration |
| 14:35-15:05 | FE-3 | WRS RFTA: EDV-U Ops |
| 14:40-14:45 | CDR | Water transfer from Progress 411 Rodnik Water Tank 5B1 to Progress 410 Rodnik Tank 5B2 - compressor restart |
| 14:40-14:55 | FE-6 | Shear History Extension Rheology Experiment (SHERE) CGBA Access before a SHERE run |
| 14:45-15:05 | CDR | BTK2 Fan Replacement |
| 14:55-16:25 | FE-6 | SHERE Hardware Dry Run |
| 15:00-15:10 | FE-5 | JAXA Commercial Mission Review |
| 15:05-15:20 | FE-3 | BCAT5 Setup without SSC |
| 15:15-16:20 | FE-5 | PMM Cleanup |
| 15:15-15:20 | CDR | Water Transfer Monitoring |
| 15:20-16:10 | CDR | Progress 411 Rodnik Water Tank 1 [5B1] Bladder Compression |
| 15:20-15:40 | FE-3 | BCAT5 sample 9 crystal photography |
| 15:30-16:30 | FE-4 | Physical Exercise (VELO), Day 3 |
| 15:30-16:30 | FE-1 | BCC cooling loop separation in PiO using Degassing Pump Unit (BOC) |
| 15:40-15:50 | FE-3 | BCAT5 Camera Check Without SSC |
| 15:50-17:20 | FE-3 | Physical Exercise (ARED) |
| 16:15-17:15 | CDR | Physical Exercise (TVIS), Day 2 |
| 16:20-17:20 | FE-5 | Nikon camera reconfig for EVA29 OBT |
| 16:25-16:40 | FE-6 | SHERE CGBA Access after a SHERE run |
| 16:30-16:45 | FE-4 | Private Medical Conference (<i>S-band</i>) |
| 16:30-17:30 | FE-1 | Physical Exercise (VELO), Day 2 |
| 16:40-16:45 | FE-6 | SHERE. Data Transfer |
| 16:45-17:15 | FE-4 | INTERACTION Experiment Ops |
| 16:45-17:05 | FE-6 | Evening Work Prep |
| 17:15-17:35 | CDR | IMS Update |
| 17:20-17:25 | FE-4, FE-5 | Transfer Nikon photo camera to RS for EVA-29 OBT |
| 17:20-18:20 | FE-3 | Physical Exercise (CEVIS) |
| 17:20-18:50 | FE-6 | Physical Exercise (ARED) |
| 17:25-18:25 | FE-5 | Physical Exercise T 2 |
| 17:30-17:50 | FE-1, FE-4 | Equipment Setup |
| 17:35-18:30 | CDR | URAGAN. Observations and Photography |
| 17:50-18:50 | FE-1, FE-4 | Spacesuit Height Adjustment |
| 18:20-18:50 | FE-3 | Evening Work Prep |
| 18:25-18:50 | FE-5 | |
| 18:30-18:40 | CDR | MOLNIYA-GAMMA. БСПН (Payload Server) Science and Service Data Dump using RSS1 (terminate) |
| 18:40-18:50 | CDR | BAR TTM-2 Charge Terminate |
| 18:50-19:15 | | Daily Planning Conference (<i>S-band</i>) |
| 19:15-19:30 | FE-1, FE-4 | Evening Work Prep |
| 19:15-19:25 | FE-5 | Evening Work Prep |
| 19:15-19:20 | FE-3 | Evening Work Prep |

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| 19:15-19:30 | CDR | Private Medical Conference |
| 19:15-19:20 | FE-6 | SHERE Experiment Power Down (<i>S-band</i>) |
| 19:20-19:25 | FE-3 | Daily Diet Monitoring |
| 19:25-19:30 | FE-3 | MPC Power Up |
| 19:25-19:30 | FE-5 | EKAM WOLF Battery Swap |
| 19:30-20:00 | | STS-135/ULF 7 Plaque Hanging |
| 20:00-21:25 | CDR, FE-3 | Pre-sleep |
| 20:00-21:30 | FE-4, FE-5 | Pre-sleep |
| 20:00-20:35 | FE-1 | Pre-sleep |
| 20:00-20:30 | FE-6 | Pre-sleep |
| 20:30-20:35 | FE-6 | Glove Box (MSG) Powerdown |
| 20:35-20:50 | FE-6 | Private Family Conference |
| 20:35-20:45 | FE-1 | Testing КВД (Pressure Equalization Vlv) from ПхО ПОВ (ПхО EVA Support Panel) |
| 20:45-21:30 | FE-1 | Pre-sleep |
| 20:50-21:30 | FE-6 | |
| 21:25-21:30 | FE-3 | MPC Power Down |
| 21:25-21:30 | CDR | Transfer water from Progress 411 Rodnik Water Tank ББ1 to Progress 410 Rodnik Water Tank ББ2 - Closeout Ops |
| 21:30-06:00 | | SLEEP |
| Task List | CDR, FE-1, FE-4 | Preparation of reports for Roskosmos site |

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
4. **Tagups with specialists during all EVA prep activities (*S-band, VHF*)**
End of Radiogram