

Radiogram No. 1214u

Form 24 for 01/10/2013

Routine Ops with SM Audio Subsystem [CTTC]. Plazmenniy Kristall Experiment

| TIME | CREW | ACTIVITY |
|-------------|-------------------------------------|--|
| 06:00-06:10 | CDR, FE-5, FE-6 | Morning Inspection |
| 06:00-06:10 | FE-1 | Morning Inspection. Reboot Laptop RS2(1) |
| 06:00-06:10 | FE-2 | Morning Inspection. RSS1, RSS2 Reboot, БПИ Temperature Check |
| 06:00-06:05 | FE-4 | PLAZMENNIY KRISTALL. Pressure Check |
| 06:05-06:10 | FE-4 | Morning Inspection. SM ПСС [Caution & Warning Panel] Test |
| 06:10-06:40 | | Post-sleep |
| 06:40-07:30 | | BREAKFAST |
| 07:30-07:40 | CDR, FE-1, FE-2, FE-4 , FE-6 | Work Prep |
| 07:30-07:40 | FE-5 | MSG - Visual Inspection of Equipment |
| 07:40-08:05 | | Daily Planning Conference (<i>S-band</i>) |
| 08:05-08:15 | CDR, FE-5 | Work Prep |
| 08:05-09:35 | FE-1 | Repairs of SM Interior (Panel 327) to Install Overlay Plates- Day 2. <i>Tagup with specialists (S-band)</i> |
| 08:05-08:10 | FE-4 | MRM2 Comm Config before Plazmenniy Kristall-3 Experiment |
| 08:05-08:35 | FE-6 | Acoustic dosimeters: hardware setup for static measurements (operation 4 of 5) |
| 08:10-08:20 | FE-2 | NASA MPEG2 Viewer Activation on SSC ЦП, Monitoring MPEG2 multicast |
| 08:10-08:30 | FE-4 | PLAZMENNIY KRISTALL. Hardware Activation and Experiment Start. <i>Tagup with specialists (S-band)</i> |
| 08:15-08:30 | CDR | Biolab Glovebox BLB - Pre-configuration for ozone sensor check |
| 08:15-09:10 | FE-5 | INSP3 - Start experiment ops |
| 08:20-08:30 | FE-2 | Work Prep |
| 08:30-09:20 | CDR | CIR Equipment Stow |
| 08:30-10:40 | FE-4 | PLAZMENNIY KRISTALL. Start and Monitor the Experiment. ISS-MCC TV. <i>Tagup with specialists (S-band)</i> |
| 08:35-08:40 | FE-6 | Set up video equipment to record ARED exercise |
| 08:40-08:45 | FE-2 | PLAZMENNIY KRISTALL. Checking TV Signal on Video Control Monitor [BKY] <i>Tagup with specialists (S-band)</i> |
| 08:40-10:05 | FE-6 | Physical Exercise (ARED) |
| 08:45-10:30 | FE-2 | Replacement of FGB EPS 800A (A76) АБ6 Module. <i>Install unit 800A ИКШЖ.563534.007 #2393951401 (00039184R, ФГБ1ПГО_1_113)</i> |
| 09:10-09:40 | FE-5 | MSL. Procedure Review |
| 09:20-10:20 | CDR | Physical Exercise T2 |
| 09:40-10:40 | FE-5 | Physical Exercise (CEVIS) |
| 09:55-10:35 | FE-1 | URAGAN. Observations and Photography |

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| 10:10-13:10 | FE-6 | Pistol Grip Tool (PGT) Torque Analyzer Kit (TAK) Data Gather |
| 10:20-11:50 | CDR | Physical Exercise (ARED) |
| 10:30-10:50 | FE-2 | MATRYOSHKAR. Monitoring Lulin-5 readings |
| 10:35-10:45 | FE-1 | MATRYOSHKAR Photos |
| 10:40-11:00 | FE-4 | PLAZMENNIIY KRISTALL. Experiment End. <i>Tagup with specialists (S-band)</i> |
| 10:50-11:40 | FE-2, FE-1-assists | Study of Cardiovascular System Under Graded Physical Load on VELO. <i>Tagup with specialists (S-band)</i> |
| 11:00-11:05 | FE-4 | Comm reconfig for nominal ops |
| 11:00-11:25 | FE-5 | INSP3- Closeout Ops |
| 11:05-11:35 | FE-4 | PLAZMENNIIY KRISTALL. Copy data from the hard drive |
| 11:25-11:35 | FE-5 | MSG - Power Down |
| 11:40-12:20 | FE-4 | TKF 417 Stowage and IMS Ops |
| 11:40-12:55 | FE-1 | Physical Exercise (TVIS), Day 2 |
| 11:40-12:40 | FE-2 | Physical Exercise (VELO), Day 1 |
| 11:45-11:50 | FE-5 | Photo/TV Camcorder Setup Verification |
| 11:50-12:05 | CDR | JRNL - Journal entry |
| 11:50-13:15 | FE-5 | Physical Exercise (ARED) |
| 12:05-12:15 | CDR | JEM CO2 Supply Stop |
| 12:15-13:00 | CDR | LAB Window Inspection |
| 12:40-13:00 | FE-2, FE-4-Handover | Elektron-VM Liquid Unit Pressurization before Activation |
| 13:00-14:00 | FE-1, FE-2, FE-4 | LUNCH |
| 13:05-14:05 | CDR | LUNCH |
| 13:10-13:20 | FE-6 | CWC Audit |
| 13:15-13:20 | FE-5 | Stow Video Equipment Used for ARED Exercise Video |
| 13:20-14:20 | FE-6 | LUNCH |
| 13:25-14:25 | FE-5 | LUNCH |
| 14:00-17:00 | FE-1, FE-2 | Comm Subsystem [CTTC] Routine Maintenance (LF path, Comm Panels, and VHF Receiver Test). Headset and Cable Audit. <i>Tagup with specialists as necessary (S-band)</i> |
| 14:00-14:40 | FE-4 | Filling (separation) of EDV [KOB] for Elektron / <i>Inspect EDB-KOB lid 823 for bubbles, perform separation as necessary</i> |
| 14:05-14:20 | CDR | Biolab Glovebox (BLB) post-configuration for ozone sensor check |
| 14:20-14:35 | CDR, FE-6 | SPHERES. Synchronized Position Hold, Engage, Reorient, Experimental Satellites Crew Conference |
| 14:25-15:25 | FE-5 | ITCS - Sample Collection |
| 14:35-14:50 | CDR, FE-6 | SPHERES Crew Conference |
| 14:40-15:20 | FE-4 | COX Maintenance |
| 14:50-15:00 | CDR | Closing USOS Window Shutters |
| 14:50-15:05 | FE-6 | JRNL - Journal entry |

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| 15:00-15:10 | CDR | RWS - Hardware Setup |
| 15:10-15:30 | CDR | DOUG Software Review |
| 15:15-15:30 | FE-6 | MERLIN3 Harness Installation Review |
| 15:20-16:50 | FE-4 | Physical Exercise (TVIS), Day 1 |
| 15:30-16:00 | CDR, FE-5, FE-6 | DOUG Software Review |
| 16:00-16:45 | CDR, FE-5 | SSRMS Walkoff to PDGF 4 |
| 16:00-16:30 | FE-6 | MERLIN3 Harness Installation |
| 16:30-17:30 | FE-6 | Physical Exercise (CEVIS) |
| 16:45-16:55 | FE-5 | PAO Hardware Setup |
| 16:50-17:50 | FE-4 | Physical Exercise (VELO), Day 1 |
| 16:55-17:25 | CDR | MELFI Nitrogen Pressure Check |
| 17:00-17:50 | FE-1 | Evening Work Prep |
| 17:00-18:30 | FE-2 | Physical Exercise (TVIS), Day 1 |
| 17:05-17:15 | FE-5 | Crew Prep for PAO |
| 17:15-17:35 | FE-5 | PAO Event |
| 17:35-18:20 | CDR, FE-6 | SSRMS Walkoff to PDGF 1 |
| 17:35-19:05 | FE-5 | MSL - SCA Installation |
| 17:50-18:50 | FE-1 | Physical Exercise (VELO), Day 2 |
| 17:50-18:10 | FE-4 | IMS Update |
| 18:15-19:05 | FE-4 | Evening Work Prep |
| 18:20-18:35 | CDR | RWS Power Off |
| 18:20-19:05 | FE-6 | Evening Work Prep |
| 18:30-19:05 | FE-2 | Evening Work Prep |
| 18:40-18:55 | CDR | IMS and Stowage Conference |
| 18:55-19:05 | CDR | Evening Work Prep |
| 19:05-19:30 | | Daily Planning Conference (<i>S-band</i>) |
| 19:30-21:25 | FE-4 | Pre-sleep |
| 19:30-19:35 | CDR | P/TV Playback Start |
| 19:30-21:30 | FE-1, FE-2 FE-5, FE-6 | Pre-sleep |
| 19:35-21:25 | CDR | Pre-sleep |
| 21:25-21:30 | CDR | P/TV Playback Stop |
| 21:25-21:30 | FE-4 | PLAZMENNIY KRISTALL. Pressure Check |
| 21:30-06:00 | | SLEEP |
| Task List | FE-1, FE-2, FE-4 | ECON-M. Observations and Photography Report Preparation for Roskosmos site URAGAN Observations and Photography |

Notes:

1. SM Window #9 shutter opening is at crew discretion w/ **Report to**
2. See OSTP for references to US activities.
3. Pre-sleep ops: daily food prep, dinner, pre-sleep

4. Russian crew uses US exercise equipment strictly per F24 or OSTPV
End of Radiogram