

Radiogram No. 8199u Form 24 for 01/17/2012

THE BAR SCIENCE EXPERIMENT

| GMT | CREW | ACTIVITY |
|-------------|---|--|
| 06:00-06:10 | CDR, FE-1 , FE-4 , FE-5, FE-6 | Morning Inspection |
| 06:00-06:10 | FE-2 | Morning Inspection. SM ПСС [Caution & Warning Panel] Test |
| 06:10-06:40 | | Post-sleep |
| 06:40-07:30 | | BREAKFAST |
| 07:30-07:40 | FE-2 | Work Prep |
| 07:30-07:50 | CDR, FE-1 , FE-4 , FE-5 | Work Prep |
| 07:35-07:50 | FE-6 | SPHERES Session Review |
| 07:40-07:50 | FE-2 | Verification of anti-virus scan results on Auxiliary Computer System (BKC) laptops |
| 07:50-08:15 | | Daily Planning Conference (S-band) Report antivirus scanning results on Auxiliary Computer System (BKC) laptops |
| 08:15-08:35 | FE-6 | SPHERES Synchronized Position Hold, Engage, Reorient, Experimental Satellite |
| 08:15-10:15 | FE-1 | TYPOLOGIA. Experiment Ops. <i>Tagup with specialists (S-band + VHF)</i> |
| 08:15-08:25 | FE-5 | Work Prep |
| 08:15-08:25 | FE-2 | BAR. Terminate Pyren charging, start charging TTM-2 |
| 08:15-08:30 | CDR | JPM ATCS Gas Trap Reconfig (steps 1-4) |
| 08:25-08:45 | FE-4 | Pressurization of Elektron-[BM] Liquid Unit prior to activation |
| 08:30-10:00 | CDR | Physical Exercise (CEVIS) |
| 08:30-08:35 | FE-5 | Video Camera Assembly (VCA1) Adjustment |
| 08:35-09:10 | FE-5 | EPO Experiment 1 |
| 08:35-08:50 | FE-2 | TYPOLOGIA. Experiment Assistance. |
| 08:35-08:55 | FE-6 | SPHERES Crew Conference |
| 08:45-09:55 | FE-4 | Life On The Station Photo and Video |
| 08:55-09:50 | FE-6 | Physical Exercise T2 |
| 09:10-09:40 | FE-5 | Integrated Cardiovascular Reference Material Review |
| 09:40-10:05 | FE-5 | EPO Experiment 2 |
| 09:50-10:05 | FE-6 | SPHERES Relocate |
| 09:55-11:25 | FE-4 | Cleaning ГЖТ4 (Gas-Liquid Heat Exchanger) BT-7 Fan Screen |
| 10:00-11:30 | FE-2 | Physical Exercise (VELO), Day 4 |
| 10:00-11:00 | CDR | Physical Exercise T 2 |
| 10:05-11:35 | FE-6 | SPHERES Camera Setup |
| 10:05-10:20 | FE-5 | Private Medical Conference |
| 10:15-11:45 | FE-1 | Physical Exercise (TVIS), Day 4 |
| 10:20-10:25 | FE-5 | MPC Power Up |
| 10:25-11:25 | FE-5 | Soyuz 29S US Equipment Transfers |
| 11:00-11:15 | CDR | 3DA1 Camcorder Setup |
| 11:15-12:15 | CDR | 3DA1 Camera SPHERES Video |

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| 11:30-13:00 | FE-5 | Physical Exercise (CEVIS) |
| 11:25-12:55 | FE-4 | Physical Fitness Evaluation (on treadmill) |
| 11:35-12:35 | FE-6 | SPHERES Zero Robotics Setup |
| 12:00-12:20 | FE-1 | IMS Update |
| 12:15-12:25 | CDR | 3DA1 Camcorder Deactivation |
| 12:20-13:00 | FE-1 | COЖ Maintenance |
| 12:25-13:00 | CDR | JPM ATCS Gas Trap Reconfig (step 5) |
| 12:35-12:55 | FE-6 | SPHERES Closeout Ops |
| 12:55-13:00 | FE-6 | Shutting down T2 software to transfer data |
| 13:00-14:00 | | LUNCH |
| 14:00-14:05 | FE-6 | Powering down T2 display |
| 14:00-15:30 | CDR | Inspection of PEPs for Portable Breathing Apparatus and Portable Fire Extinguishers (PFE) |
| 14:00-16:30 | FE-1, FE-2 | BAR Experiment. <i>Tagup with specialists (S-band)</i> |
| 14:05-14:10 | FE-5 | MPC Power Down |
| 14:05-15:05 | FE-4 | Progress 413 Stowage and IMS Operations |
| 14:10-14:55 | FE-5 | ICV Monitoring Start |
| 14:15-14:25 | FE-6 | SPHERES Crew Conference |
| 14:25-14:35 | FE-6 | ICV Start Operator Assistance |
| 14:40-14:45 | FE-6 | MPC Power Up |
| 14:55-15:10 | FE-6 | Journal Entry |
| 15:05-15:20 | FE-4 | Private Medical Conference (<i>Ku + S-band</i>) |
| 15:05-15:15 | FE-5 | ICV - 10-Minute Resting Event |
| 15:15-15:25 | FE-5 | Camcorder Setup |
| 15:25-15:50 | FE-5 | Crew records announcement for upcoming EPO |
| 15:25-15:55 | FE-4 | SEINER Ocean Observations |
| 15:30-16:10 | FE-6 | MSG Test Part 1 |
| 15:30-18:10 | CDR | Removing MUX from ICS Rack and protecting for return |
| 15:50-16:50 | FE-5 | Physical Exercise T2 |
| 15:55-16:55 | FE-4 | Physical Exercise (VELO), Day 4 |
| 16:15-16:25 | FE-6 | PLT2 Activation |
| 16:25-17:55 | FE-6 | Physical Exercise (CEVIS) |
| 16:30-16:55 | FE-1 | SM Air Sampling Using AK-1M Sampler |
| 16:30-16:45 | FE-2 | Private Medical Conference (<i>Ku + S-band</i>) |
| 16:45-17:45 | FE-2 | Physical Exercise (TVIS), Day 4 |
| 16:50-18:15 | FE-5 | Unpack 29S US Cargo |
| 16:55-17:05 | FE-1 | ИПД air sampling for CO in SM |
| 16:55-17:55 | FE-4 | Progress 413 Stowage and IMS Operations |
| 17:05-17:20 | FE-1 | Private Medical Conference (<i>Ku + S-band</i>) |
| 17:20-17:45 | FE-1 | Evening Work Prep |
| 17:45-18:45 | FE-1 | Physical Exercise (VELO), Day 4 |
| 17:55-18:30 | FE-6 | MSG Test Part 2 |

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| 17:55-18:25 | FE-4 | Video to characterize lighting conditions in the SM work volume using HVR-Z7E camera and CF memory card, downlink via OCA |
| 18:15-18:20 | FE-5 | Video Camera Assembly (VCA1) Adjustment |
| 18:20-18:25 | FE-5 | Video Camera Assembly (VCA2) Adjustment |
| 18:20-18:30 | CDR | CIR Alignment Guide Installation |
| 18:25-18:45 | FE-2, FE-4, FE-5 | Evening Work Prep |
| 18:30-18:45 | CDR | Evening Work Prep |
| 18:30-18:35 | FE-6 | MPC Power Down |
| 18:35-18:45 | FE-6 | Evening Work Prep |
| 18:45-19:10 | | Daily Planning Conference (<i>S-band</i>) |
| 19:10-19:30 | | Evening Work Prep |
| 19:30-19:35 | CDR | P/TV Playback Start |
| 19:30-21:30 | FE-2, FE-4, FE-5, FE-6 | Pre-sleep |
| 19:30-21:20 | FE-1 | Pre-sleep |
| 19:35-21:25 | CDR | Pre-sleep |
| 21:20-21:30 | FE-1 | BAR. Terminate Pyren charging, start charging TTM-2 |
| 21:25-21:30 | CDR | P/TV Playback End |
| 21:30-06:00 | . | SLEEP |
| Task List | FE-1, FE-2, FE-4 | Preparation of reports for Roskosmos site |
| | | URAGAN. Observations and Photography |
| | | ECON. Observations and Photography |

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