

Radiogram No. 0149nu Form 24 for 09/04/2012 **Updated**
Refueling SM БГ (O)1 from ТКГ 416 СД Using Compressor 3.2

| GMT | CREW | ACTIVITY |
|-------------|-----------------------------|--|
| 06:00-06:10 | CDR | Morning Inspection: SM ПСС [Caution & Warning Panel] Test |
| 06:00-06:10 | FE-2, FE-4 | Morning Inspection |
| 06:00-06:05 | FE-5, FE-3, FE-6 | Reaction Self Test |
| 06:05-06:10 | FE-5, FE-3, FE-6 | Morning Inspection |
| 06:10-06:40 | CDR, FE-2, FE-6, FE-5, FE-3 | Post-sleep |
| 06:10-06:20 | FE-4 | IMMUNO. Saliva Sample (Session 1) |
| 06:20-06:30 | | IMMUNO. Blood Sample Draw, Process, and Stow |
| 06:30-07:00 | | |
| 06:40-07:10 | CDR, FE-2, FE-3, FE-6, FE-5 | BREAKFAST |
| | | BREAKFAST |
| 07:00-07:10 | FE-4 | Post-sleep |
| 07:10-07:25 | CDR, FE-2, FE-4 | Daily Planning Conference (<i>S-band</i>) |
| 07:25-08:30 | FE-4 | Post-sleep, Breakfast |
| 07:35-07:55 | CDR, FE-2, FE-3, FE-6, FE-5 | BREAKFAST |
| 07:55-08:15 | CDR, FE-2, FE-5 | Work Prep |
| 07:55-08:25 | FE-3 | USND2 Setup and Hardware Activation |
| 07:55-08:05 | FE-6 | Work Prep |
| 08:05-08:15 | FE-6 | MSPR/AQH Activation |
| 08:15-08:25 | FE-6 | EHS Air Quality Monitoring (AQM) Start |
| 08:15-10:45 | CDR | TYPOLOGIA Experiment. <i>Tagup with specialists (S-band)</i> |
| 08:15-08:25 | FE-2 | CASKAD. Manual Mixing in Bioreactor |
| 08:15-08:25 | FE-5 | ABRS Activation |
| 08:25-08:50 | FE-3 | Integrated Cardiovascular Echo Ultrasound Pre-Scan |
| 08:25-08:55 | FE-5 | EMU Changeout |
| 08:25-09:25 | FE-6 | J Panel Replacement |
| 08:30-08:45 | FE-4 | Pille Sensors Prep for USOS EVA |
| 08:45-09:00 | FE-4 | TYPOLOGIA Experiment Assistance |
| 08:50-09:50 | FE-3 | ICV ECHO Setup |
| 08:55-09:45 | FE-5 | ICV - Echo Scanning Assistance |
| 09:00-10:30 | FE-2 | Physical Exercise (TVIS), Day 2 |
| 09:00-09:15 | FE-4 | Start Pumping Water into ATV Tank |

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| 09:25-10:55 | FE-6 | Physical Exercise (ARED) |
| 09:35-09:50 | FE-4 | Terminate Pumping Water into ATV Tank |
| 09:45-09:50 | FE-5 | Oxygen Bypass Configuration |
| 09:50-11:25 | FE-5 | EMU – Scrubbing Cooling Loop |
| 09:50-10:00 | FE-3 | Ultrasound 2 - Data Downlink |
| 09:50-12:20 | FE-4 | Urine Transfer from EDV-U to WDS tank using compressor |
| 10:10-10:55 | FE-3 | VI ULTRASOUND 2 Scan |
| 10:45-11:15 | CDR | Departure Prep |
| 10:55-11:20 | FE-6 | On-orbit Hearing Assessment using EARQ |
| 10:55-12:25 | FE-3 | Physical Exercise (ARED) |
| 11:15-11:55 | CDR | Sampling condensate water [KAB] from CPB-K2M before ФГC Filter – Closeout |
| 11:20-11:30 | FE-6 | REBR – Viewing Video |
| 11:25-12:25 | FE-5 | Physical Exercise T2 |
| 11:30-11:40 | FE-6 | System Laptop Terminal (SLT) Reboot |
| 11:55-12:15 | CDR | Sampling condensate water [KAB] before CPB-K2M БКО (to a drink bag) – setup, bag installation |
| 12:15-13:15 | CDR | Physical Exercise (TVIS), Day 3 |
| 12:25-13:25 | FE-2 | Departure Prep |
| 12:25-13:25 | FE-4 | Physical Exercise (VELO), Day 3 |
| 12:25-12:40 | FE-3 | Ultrasound 2 - Deactivation and Stowage |
| 12:25-12:55 | FE-5 | EMU – Scrubbing Cooling Loop |
| 12:25-13:25 | FE-6 | WPA Sample Collection |
| 13:10-14:10 | FE-3 | LUNCH |
| 13:25-13:30 | FE-5 | Shutting down data transfer application |
| 13:25-13:35 | CDR | Sampling condensate water [KAB] upstream of CPB-K2M БКО – sampler replacement |
| 13:25-13:40 | FE-2 | ИП-1 Flow Sensor Position Verification |
| 13:25-14:25 | FE-4, FE-6 | LUNCH |
| 13:30-14:30 | FE-5 | LUNCH |
| 13:35-14:35 | CDR | LUNCH |
| 13:40-14:40 | FE-2 | LUNCH |
| 14:10-14:15 | FE-3 | ISS HAM Radio Setup in Service Module |
| 14:15-14:30 | FE-3 | ISS HAM Radio Session from SM |
| 14:25-14:30 | FE-6 | EHS - Air Quality Monitor (AQM) End |
| 14:30-14:45 | FE-5 | PLUTO – Crew Conference with OpsLAN |
| 14:30-15:15 | FE-6, FE-3 | HTV Undock OBT |
| 14:35-15:15 | CDR, FE-4 | Replacement of purification cartridges in СБМП - prep for activity. <i>Tagup with specialists (S-band)</i> |
| 14:40-15:20 | FE-2 | COЖ Maintenance |
| 14:45-14:50 | FE-5 | Display Power down |

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| 14:55-15:40 | FE-5 | EMU - Scrubbing Cooling Loop |
| 15:15-15:30 | FE-6, FE-3 | HTV Undock OBT Conference |
| 15:15-16:15 | CDR | Pre-pack cargo items for return or disposal on TK 705 |
| 15:15-16:45 | FE-4 | Connect KСПЭ Patch Cable to TVS in MRM1, MRM2, and DC1 |
| 15:20-15:50 | FE-2 | БПМ-M water sampling to drink bags |
| 15:30-16:55 | FE-6 | HTV Cargo Transfer |
| 15:40-15:50 | FE-3 | PAO Hardware Setup |
| 15:40-15:45 | FE-5 | O2 System Nominal Config |
| 15:50-16:10 | FE-2 | CBO-3B water sampling to Russian drink bags |
| 15:50-16:00 | FE-3, FE-5 | Crew Prep for PAO |
| 16:00-16:20 | FE-3, FE-5 | PAO Event |
| 16:10-16:40 | FE-2 | ASEPTIC Transfer and Installation of thermal containers in DC1 |
| 16:15-16:45 | CDR | Departure Prep |
| 16:20-17:05 | FE-3 | BCATC1 – SFU sample prep 1 |
| 16:25-16:45 | FE-5 | NANORAC 'Big Picture' overview |
| 16:45-16:55 | FE-5 | NANORACK-MOD9-OBT |
| 16:55-17:05 | FE-6 | HTV3 Cargo Transfers Conference |
| 17:05-17:15 | FE-3 | RGN – Gather Equipment for Changeout of Recycle Tank |
| 17:05-18:05 | FE-6 | Physical Exercise (CEVIS) |
| 17:05-17:20 | FE-5 | Journal Entry |
| 17:05-17:25 | FE-2 | IMS Update |
| 17:15-17:55 | FE-3 | RGN - Changeout of Recycle Tank |
| 17:20-17:40 | CDR | Sampling condensate water [KAB] upstream of CPBK-2M БКО – remove sampler, disassemble config |
| 17:20-17:30 | FE-4 | IMMUNO. Saliva Sample (Session 2) |
| 17:20-17:35 | FE-5 | Evening Work Prep |
| 17:25-17:35 | FE-2 | CASKAD. Manual Mixing in Bioreactor |
| 17:35-19:05 | FE-5 | Physical Exercise (ARED) |
| 17:40-18:05 | CDR, FE-2, FE-4 | Daily Planning Conference (<i>S-band</i>) |
| 17:55-18:05 | FE-3 | RGN – Stow Equipment after Changeout of Recycle Tank |
| 18:05-19:05 | CDR | Physical Exercise (TVIS), Day 3 |
| 18:05-19:05 | FE-2 | Physical Exercise (ARED) |
| 18:05-19:05 | FE-3 | Physical Exercise (CEVIS) |
| 18:05-19:30 | FE-4 | Physical Exercise (VELO), Day 3 |
| 18:05-18:15 | FE-6 | MSPR/AQH - Deactivation |
| 18:15-18:40 | FE-6 | Evening Work Prep |
| 18:40-19:05 | FE-6 | Pre-sleep |
| 19:05-19:30 | CDR, FE-2 | Evening Work Prep |
| 19:30-21:15 | FE-5 | Pre-sleep |

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| 19:30-21:30 | CDR, FE-2, FE-4 | Pre-sleep |
| 19:30-19:35 | FE-3 | P/TV Playback Start |
| 19:30-21:05 | FE-6 | Pre-sleep |
| 19:35-21:20 | FE-3 | Pre-sleep |
| 21:05-21:15 | FE-6 | REACTION Camcorder Setup |
| 21:15-21:20 | FE-5 | REACTION Historical Documentation Photography |
| 21:15-21:20 | FE-6 | Reaction Self Test |
| 21:20-21:30 | FE-6 | REACTION Historical Documentation Photography |
| 21:20-21:25 | FE-3 | Reaction Self Test |
| 21:20-21:25 | FE-5 | Pre-sleep |
| 21:25-21:30 | FE-3 | P/TV Playback Stop |
| 21:25-21:30 | FE-5 | Reaction Self Test |
| 21:30-06:00 | | SLEEP |
| Task List | CDR, FE-2, FE-4 | Preparation of reports for Roskosmos site |
| | CDR, FE-4 | ECON Observations and Photography |
| | | Disaster Area Photo |

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: Dinner, Daily food prep, pre-sleep)
- End of Radiogram