

**NITROGEN TRANSFER. PLASMA CRYSTAL EXPERIMENT**

| GMT         | CREW       | ACTIVITY                                                                                                            |
|-------------|------------|---------------------------------------------------------------------------------------------------------------------|
| 06:00-06:10 | FE-1, FE-2 | Morning inspection                                                                                                  |
| 06:00-06:05 | CDR        | PLASMA CRYSTAL-3. Turbo-pump activation                                                                             |
| 06:05-06:10 |            | Morning inspection                                                                                                  |
| 06:10-06:40 | CDR, FE-2  | Post-sleep                                                                                                          |
| 06:10-06:30 | FE-1       |                                                                                                                     |
| 06:30-06:40 |            |                                                                                                                     |
| 06:40-07:30 | CDR, FE-1  | BREAKFAST                                                                                                           |
| 06:40-07:20 | FE-2       |                                                                                                                     |
| 07:20-07:25 |            | Connecting Low Temperature Loop jumper hose                                                                         |
| 07:25-07:35 |            | Post-sleep                                                                                                          |
| 07:30-07:45 | CDR, FE-1  | Work prep                                                                                                           |
| 07:35-07:45 | FE-2       |                                                                                                                     |
| 07:45-08:00 | .          | Daily Planning Conference ( <i>S-band</i> )                                                                         |
| 08:00-08:05 | FE-1, FE-2 | Work prep                                                                                                           |
| 08:00-08:15 | CDR        |                                                                                                                     |
| 08:05-08:25 | FE-2       | CWC 1057 condensate processing using Condensate Feed Unit (БПК) – start (mode 4) <i>Tagup as necessary (S-band)</i> |
| 08:05-08:35 | FE-1       | Doug software startup to support SSRMS ops                                                                          |
| 08:25-10:25 | CDR        | SSC3 cable installation in the port crew cabin. <i>Tagup (S-band)</i>                                               |
| 08:25-08:30 | FE-2       | NODE Hatch Opening                                                                                                  |
| 08:30-08:35 |            | METOX relocation                                                                                                    |
| 08:35-09:35 | FE-1       | SSRMS PDGF3 grapple                                                                                                 |
| 08:40-09:10 | FE-2       | USOS trash collection                                                                                               |
| 09:40-10:40 |            | Hardware Prepack for Return on Shuttle Flight                                                                       |
| 09:35-10:35 | FE-1       | Physical Exercise (RED)                                                                                             |
| 10:25-10:55 | CDR        | Removal of mounting screws from DC-1 light guards. <i>Tagup (S-band)</i>                                            |
| 10:35-11:25 | FE-1       | SSRMS Lab PDGF ungrapple                                                                                            |
| 10:40-11:10 | FE-2       | EMU cooling loop filtration to eliminate biomass and particulate matter                                             |
| 10:55-12:25 | CDR        | Physical Exercise (TVIS) day 3                                                                                      |
| 11:10-12:40 | FE-2       | Physical Exercise (CEVIS)                                                                                           |
| 11:25-11:40 | FE-1       | Cupola Robotic Workstation Powerup, 12A Database Load and Powerdown                                                 |
| 11:40-12:10 |            | Perform Cupola Robotic Workstation AVU checkout using VTR2.                                                         |
| 12:10-12:15 |            | Cupola Robotic Workstation Powerdown                                                                                |
| 12:15-12:35 |            | Robotic Workstation Powerup, 12A Database Load and Powerdown                                                        |
| 12:25-13:05 | CDR        | <b>TV (ISS-MCC) PLASMA CRYSTAL.</b> Experiment ops (start). <i>Tagup (VHF + S-band)</i>                             |
| 12:40-13:00 | FE-2       | EMU Cooling Loop config                                                                                             |
| 12:45-13:05 | FE-1       | Cupola and Lab Robotic Workstation checkout                                                                         |
| 13:05-14:05 | .          | LUNCH                                                                                                               |

|             |            |                                                                                                                                   |
|-------------|------------|-----------------------------------------------------------------------------------------------------------------------------------|
| 14:05-16:05 | FE-1, FE-2 | EMCS - installation, Part 3                                                                                                       |
| 14:15-14:35 | CDR        | Tagup with rehabilitation specialists ( <i>VHF</i> ) /                                                                            |
| 14:35-14:45 |            | PLASMA CRYSTAL. Experiment termination. <i>Tagup (S-band)</i>                                                                     |
| 14:45-15:20 |            | PLASMA CRYSTAL. Copy and downlink data from the hard drive. <i>Tagup (S-band)</i>                                                 |
| 15:20-15:40 |            | PLASMA CRYSTAL. Hardware deactivation.                                                                                            |
| 15:40-15:55 |            | Motorola phone charging setup, start charge. Tagup as necessary (S-band)                                                          |
| 15:55-16:15 |            | IMS update                                                                                                                        |
| 16:05-17:35 | FE-1       | Physical Exercise (TVIS)                                                                                                          |
| 16:15-16:20 | CDR        | Motorola phone charging - status check                                                                                            |
| 16:15-16:45 | FE-2       | EMU cooling loop filtration to eliminate biomass and particulate matter                                                           |
| 16:20-16:35 | CDR        | Network cable photo in FGB                                                                                                        |
| 16:35-16:40 |            | Motorola phone charging - status check                                                                                            |
| 16:45-16:55 | FE-2       | Removal of earlier installed Formaldehyde Monitoring Kit (FMK)                                                                    |
| 16:55-17:00 | FE-2       | Health Check of Condensate Pump [CO <sub>2</sub> ]                                                                                |
| 17:00-17:10 | CDR        | Motorola phone charging - status check                                                                                            |
|             |            | Motorola phone charging - terminate, cleanup                                                                                      |
| 17:00-17:10 | FE-2       | METOX Test                                                                                                                        |
| 17:10-17:20 | CDR        | IMMUNO. Setting up Saliva-Immuno Kit for experiment ops                                                                           |
| 17:15-18:05 | FE-2       | Evening work prep                                                                                                                 |
| 17:20-18:20 | CDR        | Physical Exercise (VELO +Load Trainer 1), day 3                                                                                   |
| 17:35-17:40 | FE-1       | EXPRESS rack 5 – power up                                                                                                         |
| 17:45-18:15 |            | Configuring SSRMS to support viewing of Shuttle docking                                                                           |
| 18:05-19:05 | FE-2       | Physical Exercise (TVIS)                                                                                                          |
| 18:15-19:15 | FE-1       | Evening work prep                                                                                                                 |
| 18:20-18:50 | CDR        | CO <sub>2</sub> maintenance                                                                                                       |
| 18:50-19:15 |            | Evening work prep. БСПН Synchronization                                                                                           |
| 19:05-19:10 | FE-2       | TVIS Weekly Maintenance                                                                                                           |
| 19:10-19:15 |            | Transferring TVIS, RED, and HRM data to MEC                                                                                       |
| 19:15-19:30 |            | Daily Planning Conference ( <i>S-band</i> )                                                                                       |
| 19:30-20:00 |            | DINNER                                                                                                                            |
| 20:00-20:30 |            | Daily Food Prep                                                                                                                   |
| 20:30-21:30 | FE-2       | Pre-sleep                                                                                                                         |
| 20:30-20:45 | FE-1       |                                                                                                                                   |
| 20:30-21:25 | CDR        |                                                                                                                                   |
| 20:45-21:00 | FE-1       | Crew Discretionary Conference ( <i>S + Ku-band</i> )                                                                              |
| 21:00-21:30 |            | Pre-sleep                                                                                                                         |
| 21:25-21:30 | CDR        | PLASMA CRYSTAL. Turbo pump deactivation                                                                                           |
| 21:30-06:00 |            | SLEEP                                                                                                                             |
| Task List   | CDR        | PLANTS-2. Data downlink                                                                                                           |
|             |            | PLANTS-2. Recharging water tank                                                                                                   |
|             |            | Equipment setup                                                                                                                   |
|             |            | Kit ВПФ 17КС 53Ю 1350А-0 (b/c 00037178R, ФГБ1ПГО_4_427_1)<br>Vibration Isolator 17КС 53Ю 1040А-0 (b/c 00037102R, ФГБ1ПГО_4_406_1) |

**Note:** See OSTP for references to US activities.

**CAUTION: 06.00:-07.10 No S-band commanding or voice comm. capability**

End of Radiogram