

KiwiSpace Meetup

- Company description
- Job description
- Prospects for Space engineers getting a job in Europe
- Q&A

- Company
 - Systems Engineering
 - Human Spaceflight Ops
 - Mission Critical Software
 - Simulators and Emulators
 - Satellite Operations
 - Secure Data Networks
 - 3D Visualisation



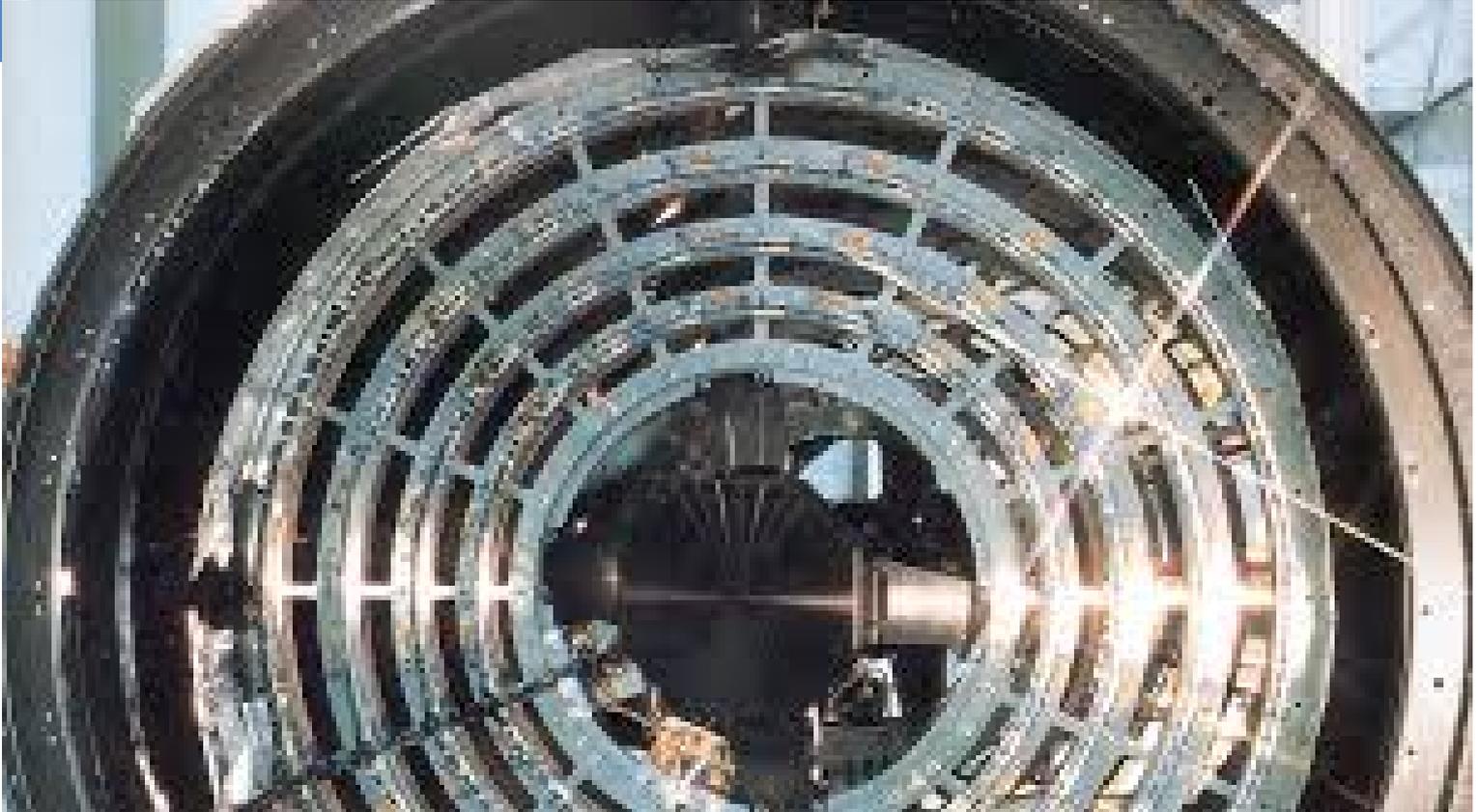




- Satellite Controller
- German Space Operations Centre Oberpfaffenhofen, Germany,
 - CHAMP LEO spacecraft, measuring the Electro-magnetic and gravitational fields, Telemetry and Command Database design, development and testing
 - ABRIXAS Senior Command Operations Engineer LEO scientific X-Ray telescope
 - EQUATOR-S Senior Command Operations Engineer. LEO spacecraft, measuring the Electro-magnetic fields
 - EUTELSAT Commercial telecommunication GEO satellite Commanding and Telemetry monitoring during LEOP plus Ranging manoeuvres
 - MOMS -2P Team Leader. Modular Optic-electronic Multi-Spectral Stereo Scanner mounted on MIR
 - ROSAT Satellite Controller/ Operations Manager LEO satellite, X-ray telescope.



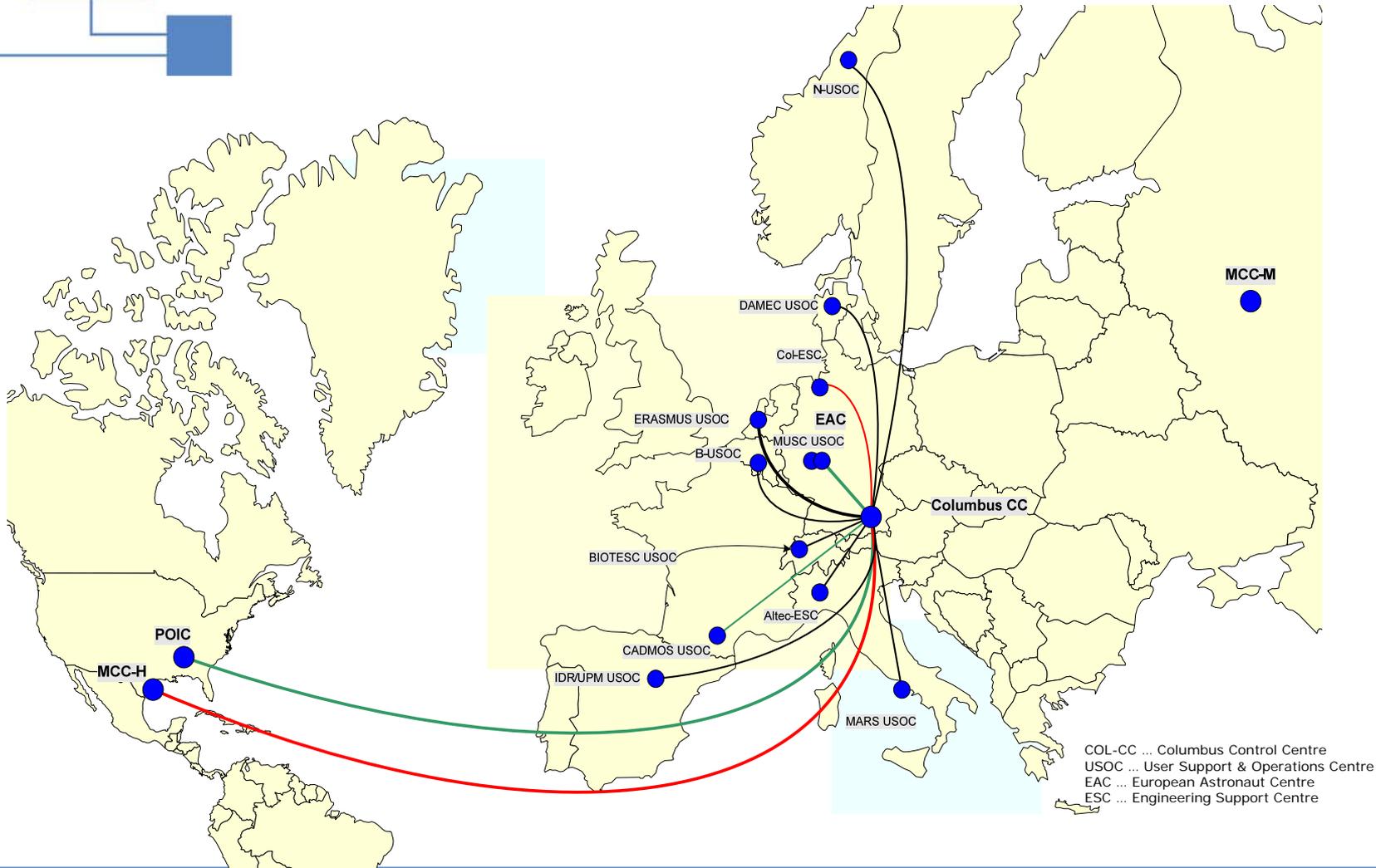
ROSAT Telescope Lens





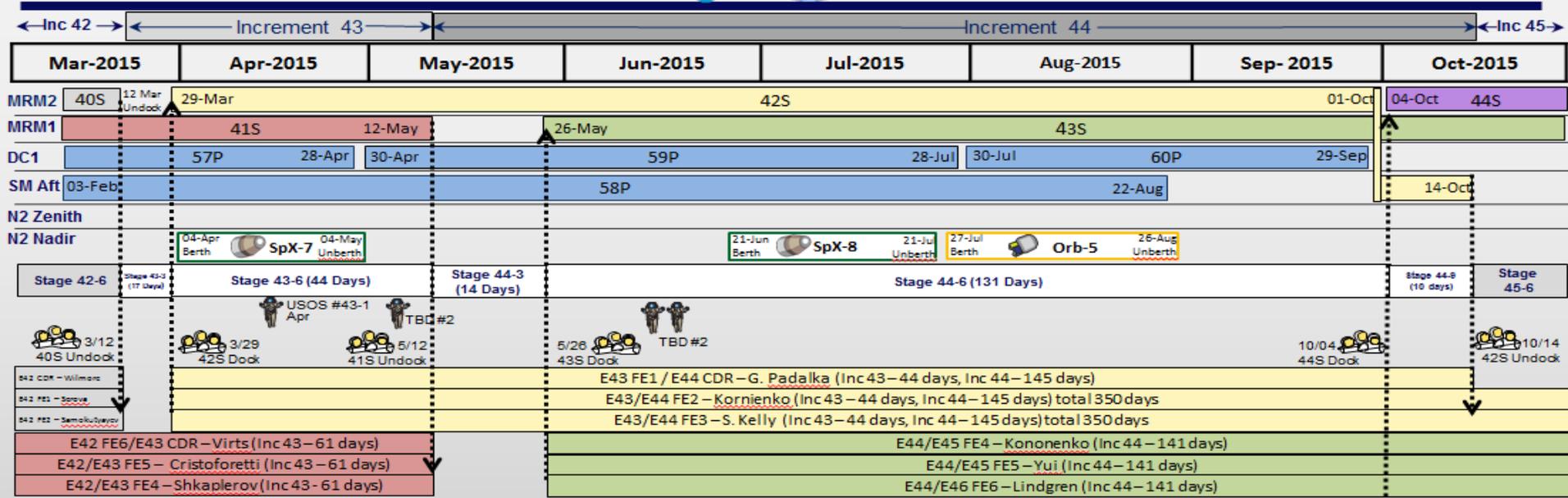


- Columbus Control Center in Oberpfaffenhofen, Germany,
- Mission Control Center responsible for all operations involving the European Columbus Laboratory.
- This is Command and Control of the Columbus systems and coordination's of operations with European payloads onboard ISS as well as the European ground communications network.
- STRATOS: oversees 24/7 operations of all systems within the COLUMBUS module. i.e. Thermal, Environmental, power, communications, data management systems.





INCREMENTS 43 & 44



| | Stage 43-3 | Stage 43-6 | Stage 44-3 | Stage 44-6 |
|---|------------|---|--|--|
| EVA, Robotics, Systems, Software | | <ul style="list-style-type: none"> Begin 1 Year Mission USOS EVA #43.1: IDA1 install EVA for C2V2 antenna installation and ETCG R&R (TBD #2) | | <ul style="list-style-type: none"> PMM relocate from N1N to N3F (SSRMS) (TBD #1) Configure N1N for VV. (TBD #1) EVA to disconnect PMA3 (TBD#2) PMA3 relocate from N3P to N2Z (SSRMS) (TBD #1) EVA to reconnect PMA3 (TBD#2) |
| Utilization | | <ul style="list-style-type: none"> Research Plan under review. Planning to an average of 35 hrs/week with challenge of 100 hours of additional utilization. | <ul style="list-style-type: none"> BEAM install and inflate | |

TBD #1: ISS Reconfiguration plan is still under review.
TBD #2: EVA plan is still under review.

Pre-decisional, Internal Use Only

41 Soyuz Crew





Shkaplerov Cristoforetti Virts

42 Soyuz Crew





Padalka Korvienko Kelly

43 Soyuz Crew





Lindgren Yui Kononenko

44 Soyuz Crew





Brightman Mogensen Volkov

https://iss-www.jsc.nasa.gov/nwo/mio/rit/inc_43/web/



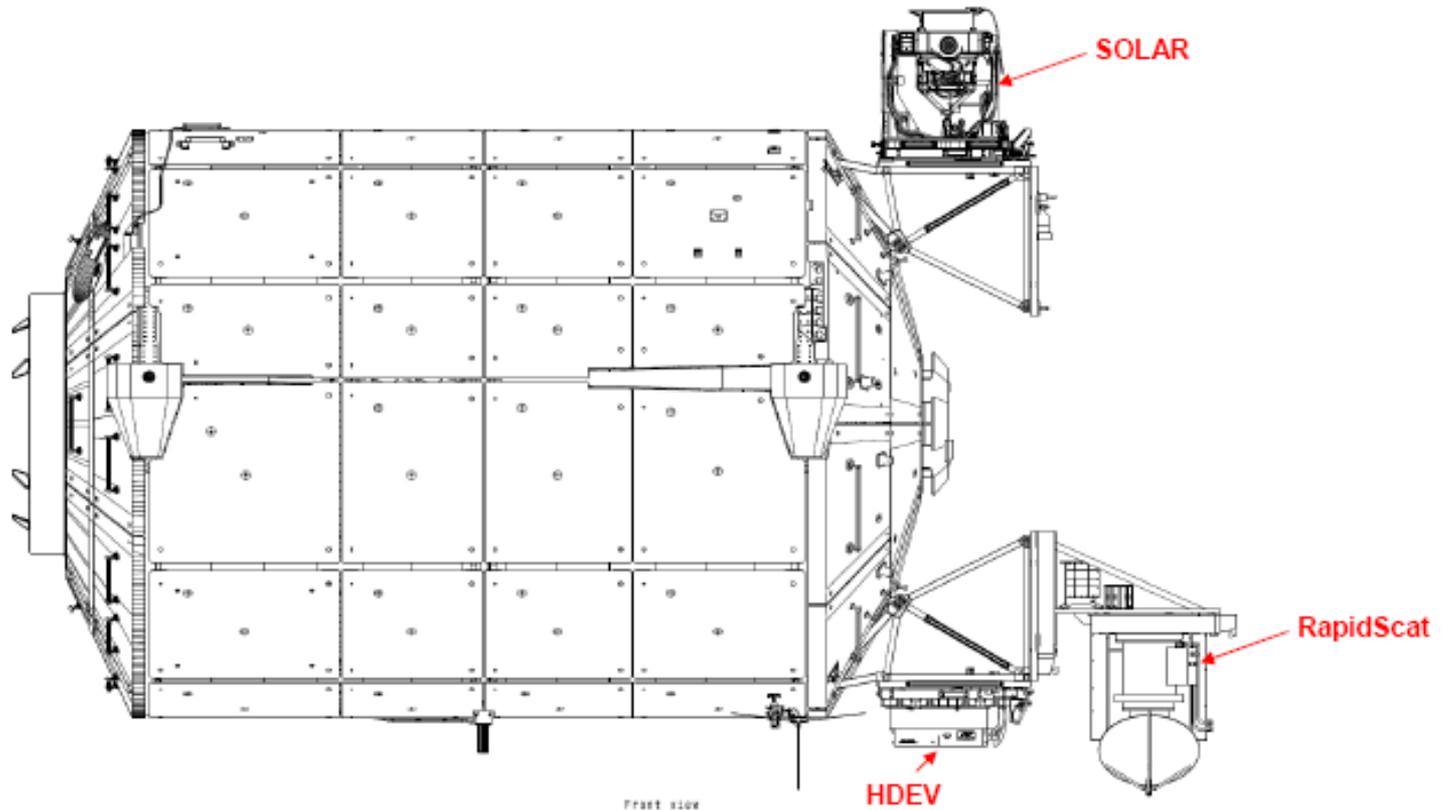


Figure 4.2-2: External Payloads installed on Columbus: SOLAR on EPF SOZ, HDEV on EPF SDN, RapidScat on EPF SDX and AIS/ARISS Antennas



Columbus Module

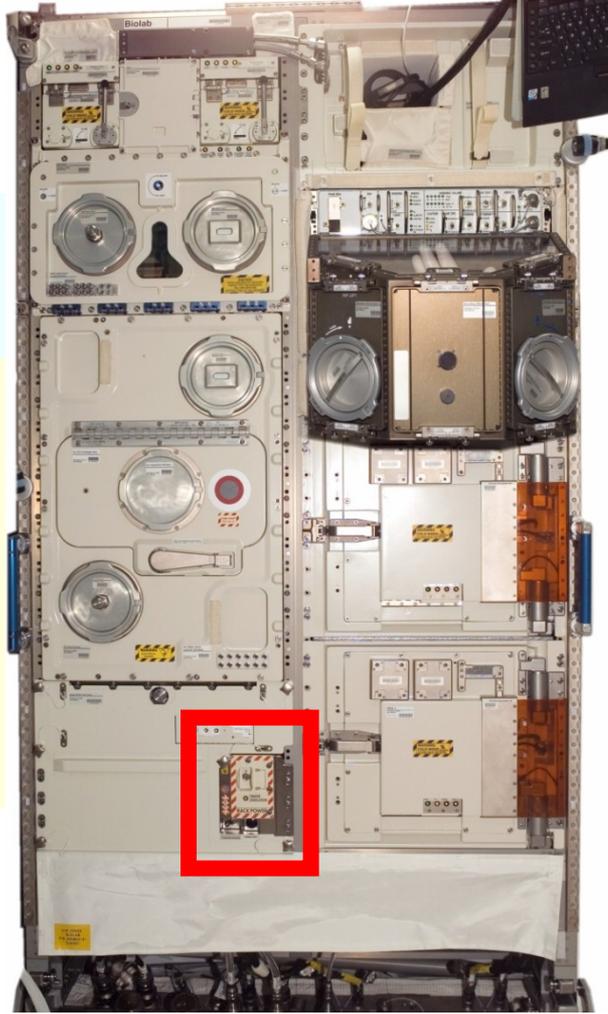


INVEN

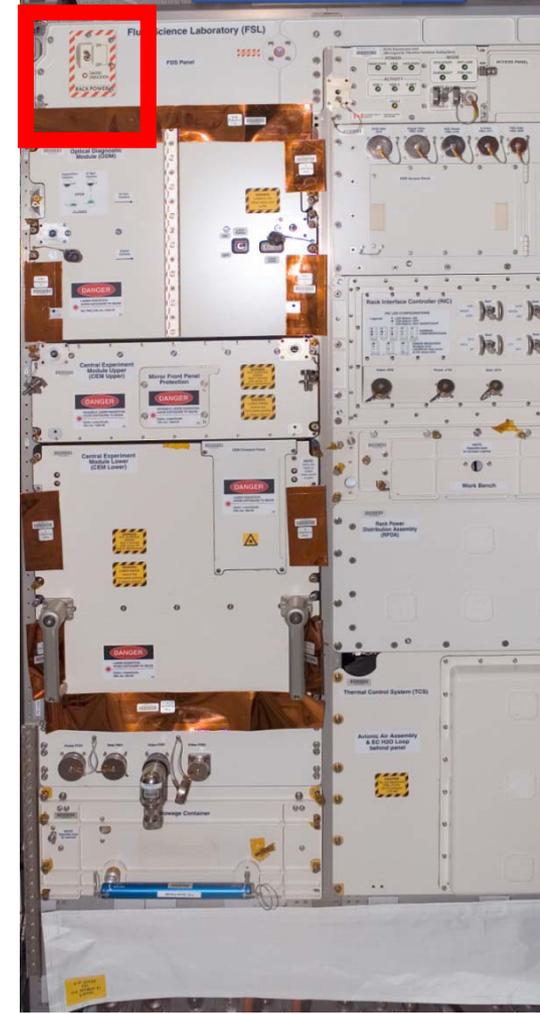
EDR COL1F1

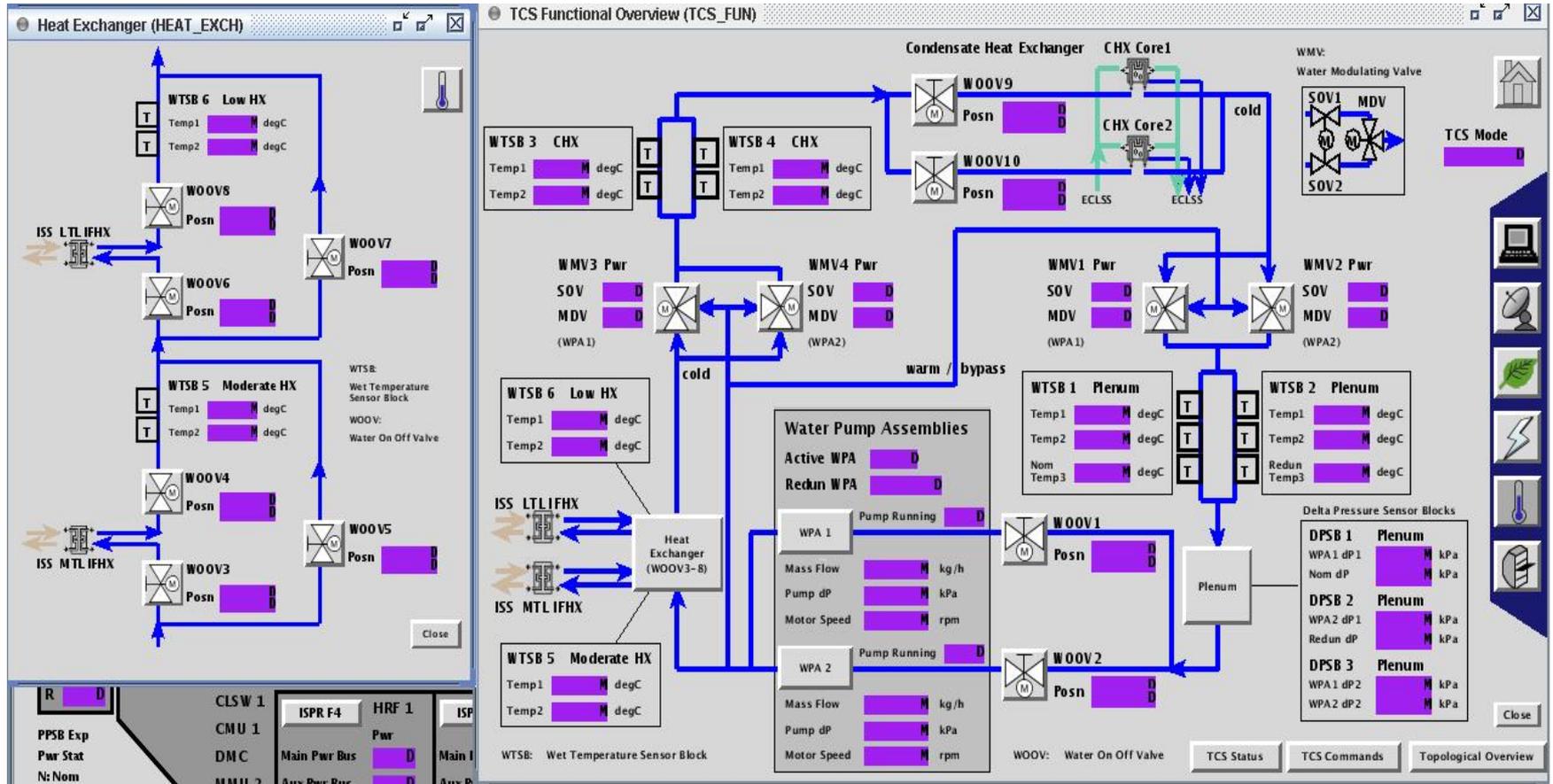


BIOLAB COL1A2



WWW FSL COL1O1







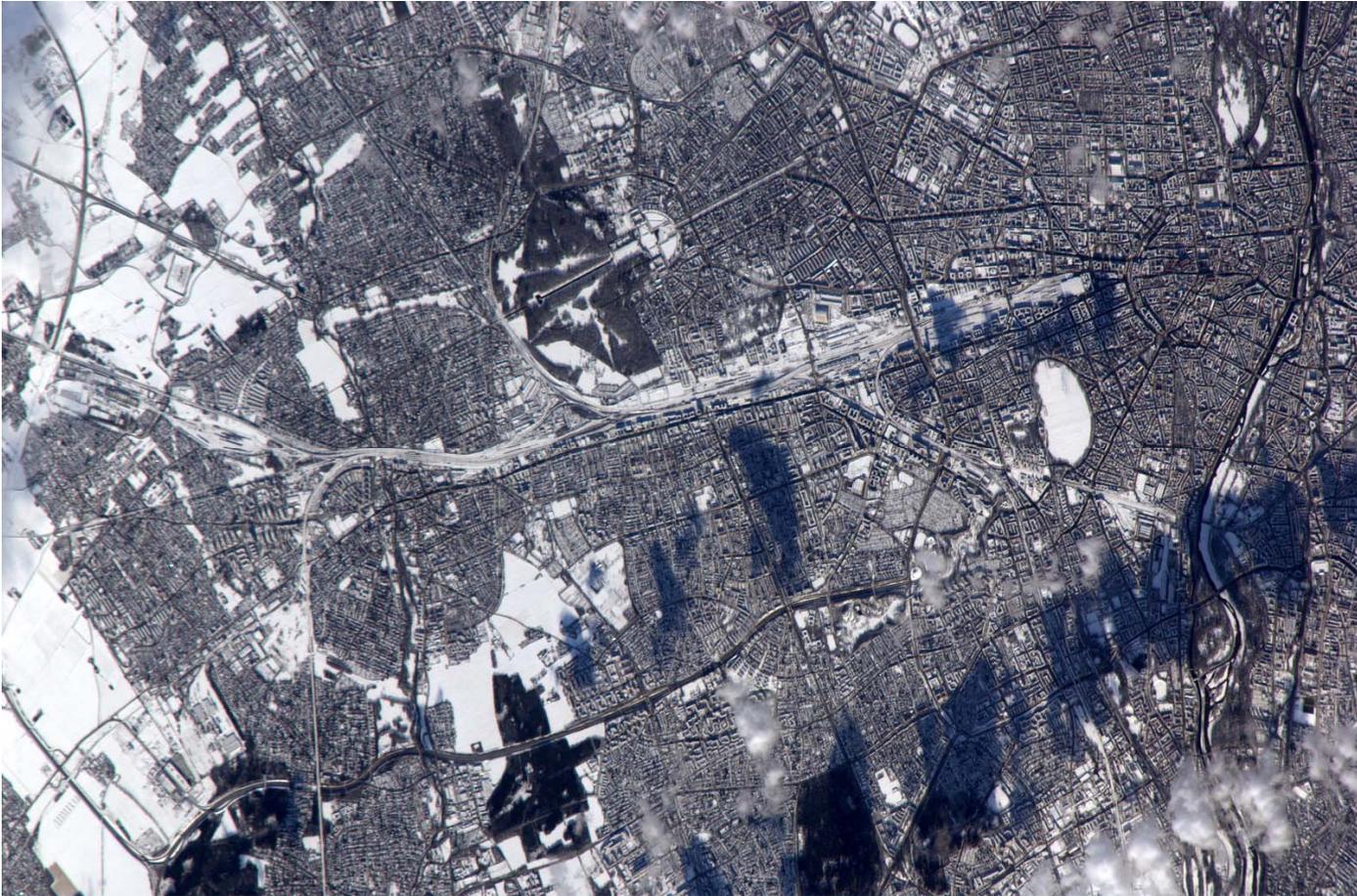
Contaminated WOOV MkI (WOOV8)



New WOOV MkII (WOOV8)

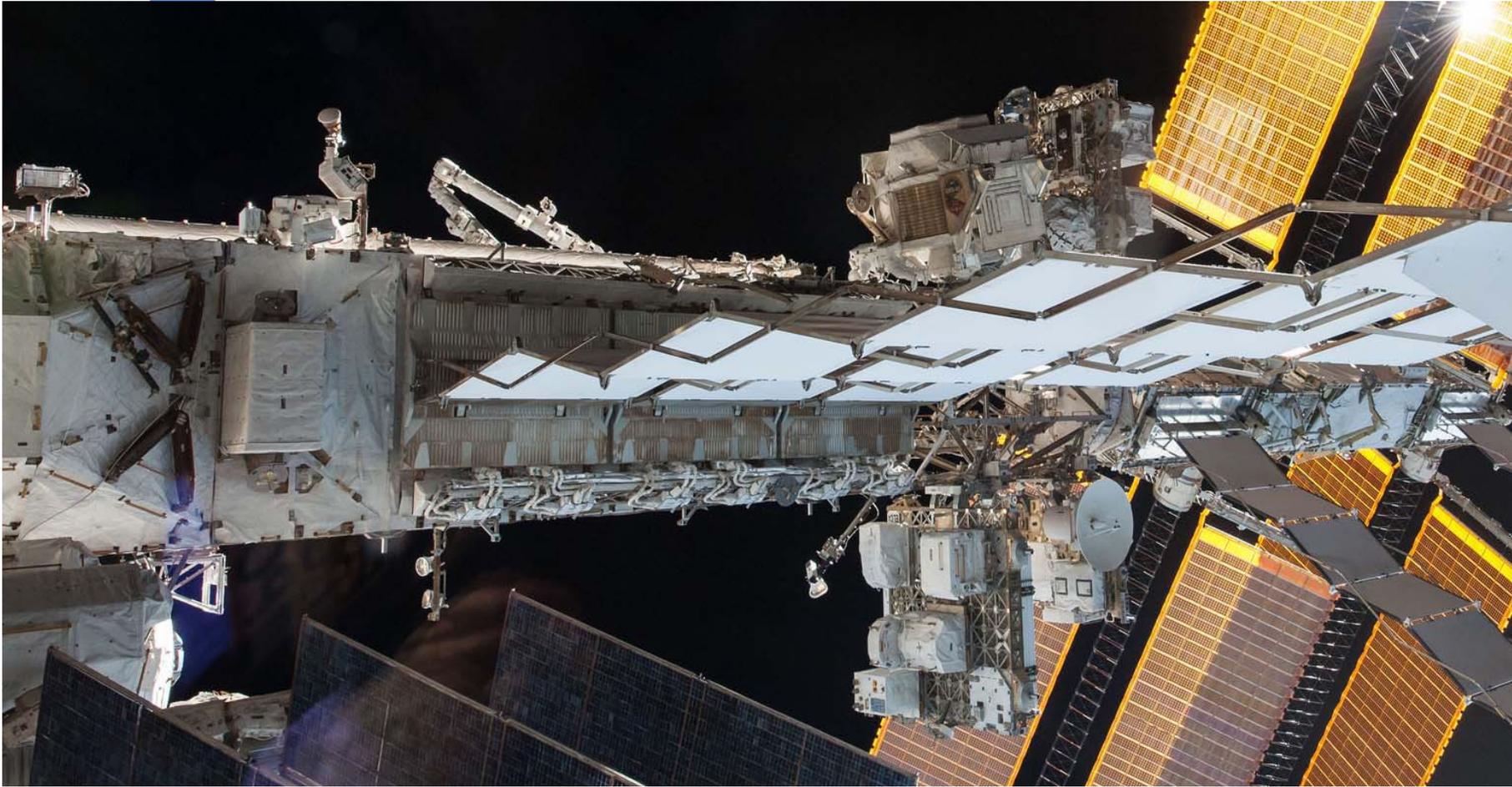
Contaminated WOOV MkI (WOOV7)







André Kuipers with
NightPod in Cupola







- WWW.INSYEN.COM
- WWW.LINKEDIN.COM
- WWW.HEAVENS-ABOVE.COM

Manned missions to moon and Mars?

