

Copernicus POD Quality Working Group Meeting#7

Date: 12th and 13^h June 2018
Location: CNES, Toulouse, France
Room: 12th June: Building Poincaré, conference room
13th June: Building Auger, room 30/38

AGENDA

Tuesday 12th June (Sentinel-3)

- 09:00 1. Welcome and purpose of meeting (P. Féménias, J. Fernández, A. Couhert)
- 09:15 2. Sentinel mission's status (P. Féménias)
- 09:30 3. Status Sentinel-3 (B.Duesmann)
- Tandem phase
 - GPS L2C tracking tests
- 09:40 4. Status Copernicus POD Service (with focus on Sentinel-3) (J. Fernández)
- 10:10 5. Sentinel-3B GPS receiver performance (M.Wermuth)
- 10:20 6. Status S-3 processing at CNES (A. Couhert, F. Mercier)
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10:50 Coffee break

- 11:20 7. Phase ambiguity resolution for Sentinel-3
- DLR (O.Montenbruck, S.Hackel)
 - Half-cycle correction
 - Computation of ambiguity-fixed orbits
 - ESOC (M.Otten)
 - Network and GFZ/CNES method
 - AIUB (D.Arnold)
 - TUD (W.Simons)
 - Comparison of results
 - Discussion
- 12:40 8. GNSS receiver developments (F.Zangerl)
- GPS L2C
 - Sentinel-C and -D, GPS&Galileo

13:00 *Lunch break*

14:00 **9. Comparison and validation of updated offsets (CoG, ARP, PCO) from CNES and DLR**
QWG006-ALL-AI-002: ALL to compare and confirm the new S-3A phase center locations

- CNES
- DLR
- Validation

15:00 **10. Procedure on orbit validation (J. Fernández)**

15:30 *Coffee break*

16:00 **11. Status and plans of project on comparison of non-gravitational accelerations**
(D.Arnold)

16:30 **12. DORIS processing (optional)**

- ESOC (M.Otten)
- CPOD (H.Peter)
- CLS (H.Capdeville)

17:10 **Discussion**

17:30 **13. Summary of recommendations, next steps**

18:00 **End of day 1**

Wednesday 13th June (Sentinel-1 & -2)

Sentinel-1 & -2

09:00 14. Sentinel-1 - Status GPS ARP and CoG change (J.Fernández, H.Peter)

09:20 15. Sentinel -1 & -2: Improvements of box-wing modelling – shadowing effects, thermal re-radiation (H.Peter)

09:50 Discussion

10:30 *Coffee break*

11:00 16. Ambiguity resolution for Sentinel-2 (& Sentinel-1)

- ESOC (M.Otten)
- TUD (W.Simons)

11:30 Discussion

12:00 17. Summary of recommendations, next meeting, next steps

12:30 18. AOB

- ESA LP Symposium 2019

13:00 End of day 2