IERS SINEX Working Group Meeting Minutes

Monday, April 23, 2012
15:30 h – 17:00 h
EGU General Assembly 2012, Vienna, Austria
Room SM6

Participants:

Zuheir Altamimi [ZA], Jake Griffiths [JG], Tom Herring [TH], Jim Ray [JR], Paul Rebischung [PR], Pierguido Sarti [PS], Laurent Soudarin [LS], Daniela Thaller [DT]

Excused: Sabine Bachmann [SB], Axel Nothnagel [AN], Erricos Pavlis [EP], Gérard Petit [GP], Cecilia Sciaretta [CS], Manuela Seitz [MS]

Organizational topics

Jim Ray handed over the IGS Analysis Center Coordination to Jake Griffiths (JG). JG will be the new IGS-AC representative in the SINEX WG, and JR will continue his participation in the WG. The WG members agreed on this suggestion.

Phase center issues, antenna offsets, SATELLITE/ID block

- Standardized names should be used for the satellites in SATELLITE/ID block in order to make it applicable for non-GNSS solutions and satellites. It was agreed that a dedicated remark should be added to the format description.
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- The satellite-specific weights (proposed by LS at the WG meeting 2011) should be separated from the SATELLITE/ID block.

Appendix II

- MS provided a final version of the mathematical description (= Appendix II).
- The document was sent to the WG members before EGU for approval. The WG members asked for more time for studying the document.

WEIGHTING issues

- DT sent a summary of possible definitions for the weighting issues to the WG members before EGU.

Parameterization of EOPs

- Request by AN via email before the WG meeting to provide clarification for different parameterizations of parameters (IVS needs the continuous piece-wise linear polygon for EOPs and station positions).
- This was requested by the GGOS Unified Analysis Workshop (UAW) as well.
- Discussion about EOP parameterization was skipped as no time was left during the meeting.

Summary of Action Items

Action Item	Who	Remarks
Definition of the satellite numbers in the SATELLITE/ID block to be added to the format description	DT, (LS, EP, JG/JR)	
New block SOLUTION/DISCONTINUITIES to be added to the format description	ZA, PR	Further investigations needed
Add remark concerning specification of the antenna phase center model (GNSS, DORIS) and the SLR reflector offsets	DT, JG/JR, PR, LS, EP	
Agree on description of the mathematical background (APPENDIX II)	All	Document SINEX_AppII_latex_version5.pdf sent to WG members on April 19, 2012
WEIGHTING	All	Document satellite_block_weighting_20110908.pdf sent to WG members on April 19, 2012