Minutes of the Fall 2008 AWG meeting   October 12, 2008

Poznań, Poland, 9:00 – 17:00

Report from ACs and CCs

ASI AC - All time series submitted (v10 & v12). Check to be done on the 1983-1992 time series

ASI CC – **re-analysis**: GFZ scale different from other AC scales, GA LOD ten times worse than others, noisy GFZ LOD, some ACs analyzed data that were agreed to be edited by all.
daily solutions: "arc edge" effect evident for all the contributing solutions
combined orbits: first checks

BKG – contribution in the future

DGFI AC - problem with EOP values at the arc borders, related to the implemented interpolation scheme in DOGS; a new subroutine to be implemented to fix it. The daily solution submission and the re-analysis will start soon after. Future plans: orbit in the loose ref. frame.

DGFI CC - **status report**; the presented results indicated serious problems with the last ~10 weeks of submissions (up to 08/09/27), something that was not seen by ASI/CC (N.B. it was later discovered by R. Kelm and reported, that the cause behind these problems were in the s/w used for the combination and not in the submissions themselves).

GFZ – analysis problem with the data of 1990. Data will be checked with other ACs.

GRGS – almost ready for the daily solutions, a couple of weeks needed, re-analysis of 1983-1992 period to be submitted by the end of this year (at this time reanalysis done up to 1988). Pierre Exertier underlined the importance of Jason-2 data in the new CRD format for the T2L2 mission.

JCET – time series for entire reanalysis period by the end of the year (2008).

NSGF – regular products: weekly, daily, orbit, QC, long-arc and short arc analysis. New website. New reanalysis will be completed by the end of the year (2008).
Herstmonceux range bias: jump in 2007 doy 21 and 2008 doy 245. Test with the GPS and gravimeter. It's not a local effect, the problem is with the SLR data but not yet solved.

LLR group – McDonald: reduced LLR priority and data quality
Apollo: high quality but systematics w.r.t. LLR systems
OCA: new system by the end of the year
Wettzell: restart in 2009-2010
Matera: technology upgrade
Validation plan for new LLR stations: test phase for 1 year in close cooperation with the LLR ACs, showed criteria for routine operation

New AC candidates: AIUB, ESOC and NCL; AIUB and ESOC attended the meeting.

New/Returning station qualification

Mueller: New data from Golosiiv. DGFI will send an e-mail to ASI and GRGS, cc to CB, when a new station starts to submit data. GRGS agreed to participate in the validation process. (N.B. This issue is now taken up with the CB, trying to work out a procedure by which the new sites' data are sequestered by ALL OC/DCs until the AWG-designated ACs have validated the data, produced site coordinates of sufficient accuracy to allow the data to be used in the official ILRS products. Upon reaching an agreement on that, AWG send a message to the CB and the AC/AAC lists, that the data can be released to the public along with the adopted position and velocity to be used in their reduction.)

P. Exertier: The upgraded Grasse SLR/LLR station is almost ready to deliver data

Other products from Pilot Projects, Modeling issues, etc.:

Use of the new data format (CRD) & testing: Many ACs not ready for CRD use. GFZ did some test, JCET made test with a modified TDF & Geodyn, first results shown.

Target-signature modeling specific to site and mode of operation: Pavlis showed a CoM correction table for Lageos 1-2, to be adopted in the next re-analysis (online at the ILRS website:

Test files for ECMWF, 6- & 3-hour products – Gemini.gsfc.nasa.gov/aplo website of atmospheric loading based on NCEP grids. Files can be used in Geodyn. Test on 2001 and 2006 by JCET, using ECMWF-based data sets (NOT the NCEP grids which are of lower resolution).

Inclusion of atmospheric effects, (gravity, tides, loading) – Altamimi will explicity ask to avoid the application of the atmospheric loading for the time series of the next ITRF

ORBEX format: AWG agrees to follow the "Pink book" that is already accepted by international groups. Our position will be communicated to the IGS WG on ORBEX.

Revise NP formula and rules?

Gurtner questions: reduce the bin length? Limit the number of returns per NP? Change bin start/stop? A pilot project to be established (GRGS, DGFI, GFZ)

Other topics???

Discontinuity file: Mueller showed the AWG discontinuity and bias file, and he proposed to split file in two parts: the bias & edits part, and the discontinuities part.

Next ITRF: Altamimi asked to estimate the weekly coordinate at the mean data epoch instead of the mean arc and to use names instead of station id

Next meeting: 24 or 25 April 2009 (EGU '09) (**N.B. Fixed already for April 24, 2009**)

List of attendees

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