

Agenda for November 2013 ILRS AWG Meeting
Saturday, Nov. 9, Fujiyoshida, Japan, 9:00 – 17:00

News Items:

- **Next AWG meeting EGU 2014 ???**

AC and CC Reports (*please keep these VERY brief !!!*)

- ASI – AC & CC
- BKG
- DGFI
- ESA
- GFZ
- GRGS/OCA
- JCET – AC & CC
- LLR WG report
- NSGF

SLRF2008 updates: e.g. Koganei, Simosato, Concepcion, San Juan and new Russian sites

New Products, Modeling Issues, New IERS Conventions (2010), etc.:

- **AC need to follow a new procedure for an improved description of station operational modes (replaces SCH/SCI)**

Harmonization of the AWG analysis procedures and modeling standards:

- gravity fields: at present any model is allowed, similar to or better than GGM02C, EIGEN-GL04S etc. (to 30x30

minimum for LAGEOS). Need to decide model for LARES and for SH estimation PP.

- time variable gravity (TVG): JCET will provide the values taken from CSR GRACE models and for $\dot{C}_{2,1}$ and $\dot{S}_{2,1}$, derived from IERS EOP for the period before GRACE
- solid earth tides: IERS2010
- ocean tides: any model similar to GOT4.7, FES2004, etc. is allowed
- atmospheric tides: applied to gravity variations but NOT to station deformations. Bode- Biancale 2003 and Ray-Ponte are acceptable.
- Albedo: applied, any model (e.g Knocke)
- Thermal forces: none available for the current time period.
- Ocean tidal load: Pavlis to provide GOT4.7 values in the IERS format from Duncan Agnew's s/w SPOTL.
- Satellite CoM correction: site and time dependent correction according to Appleby's tables.
- ○ Revise current AWG rules on the regular estimation of systematic errors for other than the non- core sites
- ○ *Estimation of low-degree SH of the gravity field (decide a priori gravity & tides model)*
- ○ *Inclusion of LARES as a 5th satellite in the group of analyzed data*
- ○ The NT Atm. Loading & Gravity implementation will continue as an internal PP
- ○ The naming convention and the directory structure at the data centers should be revised
- ○ Orbital Product

PREPARATION FOR ITRF2013 RE-ANALYSIS:

- Discussion of model improvements implementation prior to the re-analysis
- AC schedule for delivery of products to CC for combination
- Participating AC and CC and data analysis periods:

Analysis / Combination Center	Time Span of Data Analysis
ASI AC & CC	
BKG	
DGFI	
ESA	
GFZ	
GRGS	
JCET AC & CC	1983 – 2013 (or early 2014)
NSGF	

Other topics, next meeting(s)...

– Next meeting(s) options:

- **EGU: 27 April – 02 May 2014.**

April							May							
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	
		1	2	3	4	5						1	2	3
6	7	8	9	10	11	12	4	5	6	7	8	9	10	
13	14	15	16	17	18	19	11	12	13	14	15	16	17	
20	21	22	23	24	25	26	18	19	20	21	22	23	24	
27	28	29	30	EGU Week			25	26	27	28	29	30	31	
7:☐	15:☐	22:☐	29:●				6:☐	14:☐	21:☐	28:●				

Last meeting (EGU 2013) action items:

✓ = DONE

1. UPDATE AWG pages on ILRS recently launched website (send comments/suggestions to ECP)
2. Daily EOP product comparison with IERS EOP C04 08 to be done (CS, ECP)
4. The orbit combination to be done by the next AWG (CS, ECP)
9. SLRF2008 should be updated (ECP, CL, HM)
12. JM to ensure that LLR QC service gives feedback to the stations
14. JCET, DGFI, HITU and SAO to discuss the procedure for quick coordinate updates for QC process
16. ACs must send their updated description files for their operational products to Carey
19. ESA & NSGF AC must implement the gravity coefficient parameter estimation **ASAP**.
21. We will start the SH (4x4) Pilot Project after the ITRF2013 product completion
- ~~22. CB should ask stations to increase ETALON time (ILRS CB/ECP)~~
- ~~23. HM will update the Data Handling file to include an entry for the current CoM model and a Yarragadee break in early 2010 (exact date TBD → ECP).~~

CL – Cinzia Luceri

CS – Cecilia Sciarretta

DT – Daniela Thaller

ECP – E. C. Pavlis

FD – Florent Deleflie

GA – Graham Appleby

HM – Horst Müller

RK – Rolf König

USch – Ulli Schreiber