

## Agenda for Fall 2012 ILRS AWG Meeting

**Saturday, November 3, LNF, Frascati, Italy, 9:00 – 17:00**

### News Items:



On August 6, 2012, our colleague Steve Klosko passed away surrounded by family and loved ones. We will greatly miss his immense contributions to the field of satellite laser ranging, space geodesy, and other scientific research areas.

We dedicate this meeting to his memory, in recognition of his lifelong dedication to the SLR technique and Geodesy in general

**ILRS has launched a new website – AWG needs to update the pertinent content and maintain it in the future**

### AC and CC Reports

- ASI – AC & CC
- BKG
- DGFI
- ESA
- GA
- GFZ
- GRGS/OCA
- JCET – AC & CC
- NSGF

## SLRF2008 updates

- New sites (e.g. new Russian) and improved coordinates for old sites

## New Products, modeling issues, New IERS Conventions (2010), etc.:

- Status of the new CoM model Pilot Project (UPDATE):
  - Do we have an updated version with an improved description of station operational modes?
- Atmospheric gravity and loading modeling (UPDATE):
  - Pilot Project of the GGFC for test products for 2006-2011 period
- Orbital Product:
  - PP release of SP3c files, we have 2-3 months of SLRF2008 & IERS 08 C04 submissions from 5-7 ACs:

Analysis Center	Weekly pos+eop	Daily pos+eop	SP3c Orbit
ilrsa	X	X	
ilrsb	X	X	
asi	X	X	X
bkg	X	X	X
dgfi	X	X	X
esa	X	X	
ga	X	X	X
gfz	X	X	X
grgs	X	X	X
jcet	X	X	X
nsgf	X	X	

- Status for current contributors
- When will the remaining ACs (ESA & NSGF) release their SP3c product?
- When can we make the SP3c an operational product?

- Scheduling changes to the operational product (UPDATE):
  - Once we decide on the new CoM model, we must discuss:
    1. The Atm. Loading & Gravity implementation (pending input from ITRS and GGFC PP)
    2. The estimation of low-degree SH of the gravity field (degree/order ??)
- Schedule for inclusion of the new models in the “Definitive” product:
  - Plan for a future re-analysis in early **2013**, (depends on input from ITRS and GGFC PP)

#### **Systematic Errors /Corrections/Edits & Discontinuities Files**

- Data Handling & Discontinuities files (UPDATE?)

#### **New/Returning station qualification process:**

- Status and recent experiences, interaction of the AWG with stations/network/OCs

#### **LLR update on recent initiatives:**

- Update on LLR community (science, technology, network, etc.)

#### **Other topics ???, next meeting?**

- **Next meeting:**
  - **At next EGU in Vienna, Austria, Sunday, April 7, 2013**

**ILRS Project & Products Status** - maintained on the ILRS web site, link:

Projects' status: [http://ilrs.gsfc.nasa.gov/working\\_groups/awg/awg\\_project\\_status.html](http://ilrs.gsfc.nasa.gov/working_groups/awg/awg_project_status.html)

### **Action items from past AWG meetings**

✓ = DONE

Pavlis check IERS procedure for station documentation after earthquakes and other transient events

### **Last meeting (EGU 2012) action items:**

- Testing of atmospheric loading and gravitational variations to be done using the data over years 2008-2009. ECMWF files to be delivered for use in the test (ECP)
- Setup of a test directory at the DCs for acceptance of low-degree SH test solutions (ECP)
- ~~Devise a new bias letter code (HM)~~
- **JCET and ASI will work on the selection of a stable sub-network for the DAILY series (ECP/CL)**
- Atmospheric modeling to be included in SATAN asap and AWG notified (GA)
- ~~Bernese s/w needs to have the estimation of low degree harmonics included (DT)~~
- ~~AWG to respond to CB/GB and DF&P WG on the proposed DC data archives organization (ECP).~~
- **Implementation of the new IERS Conventions 2010 in the AC/CC s/w**
- ~~Follow up the IGS discussion of ORBEX and report back to AWG (ECP **DONE**): No change, format not yet adopted.~~
- ~~Generation of time-sensitive CoG tables by station in preparation, based on the current tables and the spreadsheet of the distilled sitelogs for the entire network (GA **DONE**).~~
- ~~The proposed TOC for the JoG Special Issue to be sent to AWG for acceptance of participation in the writing teams of the solicited papers. Once those are received, the TOC will be sent for approval to the JoG Editor (ECP **DONE**).~~

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