

## Agenda for Spring 2012 ILRS AWG Meeting

**Saturday, April 21, TUW Wien, 9:00 – 17:00**

### News Items:

**LARES successfully launched on ESA's VEGA on February 13, 2012, 10:00 UTC from Kourou, French Guiana**

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### AC and CC Reports

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

### SLRF2008 updates

- New sites and improved coordinates for old sites

### ILRS Planning the switch from CSTG QL NP format to CRD NP on MAY 2, 2012

- The DCs flow of CRD data seems quite reliable over the past few weeks
- **The ILRS CB moved the switch to new CRD format to May 2 from April 2 (as originally announced a month ago)**
- The old data sets will NOT be converted to CRD and no CSTG-formatted data will be available after May 2, 2012

# May 2012

April 2012							May 2012							June 2012						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7	1	2	3	4	5						1	2		
8	9	10	11	12	13	14	6	7	8	9	10	11	12	3	4	5	6	7	8	9
15	16	17	18	19	20	21	13	14	15	16	17	18	19	10	11	12	13	14	15	16
22	23	24	25	26	27	28	20	21	22	23	24	25	26	17	18	19	20	21	22	23
29	30						27	28	29	30	31	24	25	26	27	28	29	30		

Personal

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
29	30	1	2 CRD switch	3 First DAILY product with CRD-formatted data	4	5
6	7	8 First WEEKLY product with CRD-formatted data	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	1	2

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

- Status of the new CoM model Pilot Project:
  - Are we satisfied with the new model implementation and ready to adopt it?
- Atmospheric gravity and loading modeling (UPDATE):
  - Pilot Project in view of the GGFC Call for test products for 2006-2011 period (by July 1, 2012)
    - *Loading effect (on sites)*
    - *Gravitational effect (on orbits)*
  - Test files from ECMWF, 6-hour products for GEODYN users (JCET)
  - Test files from ECMWF, 6-hour products for GRACE de-aliasing product users (GFZ)
  - IERS files from ECMWF, 6-hour products from GGFC site
  - *New test files from TUW service for users who use that format*
    - ACs to chose which of the above to use;
    - Are there ACs that can process more than one of the above?


- ASI :
- BKG :
- DGFI :
- ESA :
- GA :

- GFZ :
- GRGS/OCA :
- JCET :
- NSGF :

- Timeline for a 2-year test (2008-2009) through a Pilot Project – v40 :

- Orbital Product:

- PP release of SP3c files, we have 2-3 months of SLRF2008 & IERS 08 C04 submissions from 5-7 ACs:



Analysis Center	<u>Weekly pos+eop</u>	<u>Daily pos+eop</u>	<u>SP3c Orbit</u>
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	

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- When will the remaining ACs (ESA & NSGF) release their SP3c product?
  - When can we make the SP3c an operational product?
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- Scheduling changes to the operational product (UPDATE):
  - With the adoption of the new CoM model and once the SP3c product is operational, we must:
    - Switch the DAILY product to be the operational product
    - The WEEKLY product will become a Pilot Project product for testing:
      1. The Atm. Loading & Gravity implementation
      2. Low-degree SH of the gravity field (degree/order 2)
- Schedule for inclusion of the new models in the “Definitive” product:
  - Plan for a future re-analysis by **June/July 2012**, including (1) & (2) from above

#### **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
- DF&P WG procedure formalization for the decision process to quarantine sites (old, returning from upgrades, etc.)

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

- Station qualification, data validation web process, etc.

Other topics???, next meeting?

– **Next meeting:**

- **At the Technical ILRS Workshop in Frascati, Italy, 9-17 Saturday, November 3, 2012**

**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 (Zürich, 2012) action items:**

- 1) 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)
- 2) Setup of a test directory at the DCs for acceptance of low-degree SH test solutions (ECP)
- 3) ~~Devise a new bias letter code (HM)~~
- 4) JCET and ASI will work on the selection of a stable sub-network for the DAILY series (ECP/CL)
- 5) **Atmospheric modeling to be included in SATAN asap and AWG notified (GA)**
- 6) **Bernese s/w needs to have the estimation of low degree harmonics included (DT)**
- 7) ~~AWG to respond to CB/CB and DF&P WG on the proposed DC data archives organization (ECP).~~
- 8) **Implementation of the new IERS Conventions 2010 in the AC/CC s/w**
- 9) ~~Follow up the IGS discussion of ORBEX and report back to AWG (ECP **DONE**): No change, format not yet adopted.~~
- 10) ~~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**).~~
- 11) ~~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

**DRAFT**