Minutes of the Grasse AWG meeting   September 24, 2007

AC and CC Reports:

o **ASI – AC & CC**

Luceri reported on the status of the weekly combinations: nominal situation except for the EOP comparison. The USNO file is now aligned with ITRF2005 while ILRSA solution continue to use ITRF2000 for EOP referencing and jumps are clearly visible in the residual time series.

o **BKG**

Mereyen underlines the necessity of a two-day meeting on the mathematical aspects of the SLR analysis

o **DGFI – AC & CC**

Kelm presents the variance factors for 2007 and the helmert parameters that show a jump in the Y component not seen in the ILRSA combination. As regards the orbit combination, the preliminary comparison between DGFI and JCET shows a discrepancy of 10 km, obviously due to the reference frame. Next comparisons will take into account the difference in the reference frame and the ASI orbits available at CDDIS

o **GA**

Geodyn updated with the 0511 version, many satellites to be reprocessed

o **GFZ**

Ready to reprocess from 1993 to 2007 by the end of october, same deadline for the SP3c files

o **JCET**

Working on reprocessing from 1993 to 2007 by the end of 2007, looking into the SP3c files issue

o **NSGF**

Analysis of Herstmonceux data with Stanford corrections applied: water table effect in 2007?

Recent data analysis issues – 1993 – present:

o Stanford corrections for Herstmonceux, Potsdam, and Borowiecz, ??? – **GA**

Stanford corrections confirmed for Herst: -2.5 mm (from 1994 to 1 feb 2002) and 5.5 mm (from 1 feb 2002 to10 feb 2007). Suggestions are given for Potsdam (both 7836 and 7841) and Borowiec (7811). Those corrections are smaller to the biases in the data and are included in the bias correction foreseen for the entire network

o Station bias adjustment, revision of Eastbourne "list", implementation – **CL**

Reports on the site range bias of the SLR network estimated with a global solution covering the years 1983- 2007 and collected from the information available at CDDIS. All the sites have been considered and mean bias computed over specific period. A table has been prepared with the list of bad data to be deleted (really bad data over limited time span), the sites requiring a bias estimation and the sites requiring a bias application. The bias list will be compared with the biases estimated by GRGS and the final table will be delivered by **october 5, 2007 (Luceri action item)**

o New, ITRF2005-consistent *a priori* TRF (1976 – present), **SLRF2005 – CL**

The new SLRF2005 has been presented together with the comparison with ITRF2000 and ITRF2005. The new frame will be officially available by **october 5, 2007 (Luceri action item)**

o Core site re-classification – **CL**

The list of core sites for EOP referencing has been prepared for the 1983-2007 period. It will be distributed together with the new SLRF2005 **(Luceri action item)**.

Historical data analysis – 1983 – 1993: Status, AC contributions, CC combinations

o Core-site selection for the historical network – **CL**

see previous point

o 1983 – present product:

Combination results? – **CS & RK**

Re-analysis

New analysis will be made with SLRF2005 and the application of the distributed bias list. Solution from 1993 to 2007 will be delivered first. ACs will send the solutions as they are available and starting from 1993. The series 1993-2007 will be available by mid-october **(ACs action item)**, the historical time series (1983-1992) will be completed by the end of october **(ACs action item)**. The full series 1983-2007 will be ready by the end of november. **(CCs action item).** The version number will be 10, the first digit is incremented with major analysis guideline update, the second digit is incremented for subsequent agency submission. **Final results by December, Unified Analysis Workshop (UAW)!**

Other products for UAW presentation:

o SP3c Orbit files – **CL, HM, ECP**

test orbit files available from ASI, DGFI and JCET. Other AC are invited to submit. The files will be named as **agency.orb.yymmdd.satname.vn.sp3,** the satname is the official name on CDDIS. The AC delivery will start on **october 16, 2007**.

o Daily "weekly" analysis & pos+eop report for station feedback – **ECP**

The products will be delivered, each AC using its account, to CDDIS in the directory …/products/daily that should be created by each ACs and to EDC in …./products/agency/daily (???). The files will be available in the directories …./products/test/daily/yyyy/mm at CDDIS and EDC **(Pavlis action item)**

o Product improvements (inclusion of atmospheric effects) – **ECP**

- Test files for ECMWF, 6- & 3-hour products (JPB)
- Target-signature modeling specific to site and mode of operation – **GA, ECP**

UAW Presentations – discussion, planning and assignments
???,
next meeting? (after the UAW, EGU?)
EGU
Project Status - a "living document" matrix (*to be maintained under the ILRS pages*)**:**

PLEASE, check the table on the next page and mark appropriately where you have contributed (already) and return to me ASAP (only the table).

- **Project Status - a "living document" matrix** (*to be maintained under the ILRS pages*)**:**

AC/CC	Weekly POS+EOP	Daily pos+eop	Orbit Product SP3c	Reanalysis 1983 – 1993 Version 10	Reanalysis 1993 – 2007 Version 10	Reanalysis 1983 – 2007 (SET, biases, data editing)
ASI - AC	✓	✓	✓	✓	✓	✓
ASI - CC	✓					
BKG	✓			NA		
DGFI - AC	✓		✓			
DGFI - CC	✓					
GA	✓					
GFZ	✓				✓	
GRGS	✓					
JCET	✓	✓				
NSGF	✓	✓				