

Toulouse

5 April 2013

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IDS GB meeting

AGENDA:

- News:
 - Analysis Centers news: GAU, GFZ, others?
 - o IERS Working Group on local surveys and co-locations
 - IDS member of World Data System
- DORIS system news
 - o REVEX IDS/DORIS feedback
 - Beacon 4th generation: feedbacks
- Communication/publications:
 - o IDS Activity report 2012
 - o 10th anniversary of IDS
 - o DORIS special issue
- WG on Tutorials for beginners to DORIS processing
- Next meetings relevant for IDS:
 - EGU in Vienna next week
 - o AOGS in Brisbane, June
 - IAG Scientific Assembly in Potsdam, September COSPAR 2014 (PSD sessions) IDS reports:
 - o IAG mid-term report 2011-2013 before July IERS report 2012: deadline May 12
- Action lists

MAIN DECISIONS:

ATTENDEES:

Jérôme Saunier Pascale Ferrage, Frank Lemoine, Guilhem Moreaux, Laurent Soudarin, Pascal Willis, Richard Biancale, Carey Noll

Excused

Carey Noll, John Ries, Michiel Otten, Brian Luzum

News

Analysis center:

- GAU: Ramesh Govind leaved Geoscience Australia in fall 2012. He should get a job in the University of Cape Town in South Africa in June and could start an IDS Analysis Center.
- GFZ: no news from Sergey Rudenko and the future GFZ Analysis Center.

IERS working group on local surveys and co-locations: May 21-22, IDS/RORIS representatives: C. Tourain (DORIS/CNES), J.M. Lemoine (LCA), and participation of G. Moreaux (CC IDS)
IERS working group on time series format: next meeting at EGU,



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(L. Soudarin)

See presentation on IDS announcements given during the AWG meeting: http://ids-

doris.org/images/documents/report/AWG201304/IDSAWG1304-IDSannouncements.pdf

WDS: the Network application form for IDS as Network member has been submitted. A Doris mail will be sent as soon as it is accepted.

DORIS system news

See presentations on the network and the missions given during the AWG meeting: http://ids-

doris.org/images/documents/report/AWG201304/IDSAWG1304-Saunier-DORISnetworkStatus.pdf

And

http://ids-

<u>doris.org/images/documents/report/AWG201304/IDSAWG1304-</u> <u>Ferrage-DORISmissionsUpdates.pdf</u>

REVEX IDS

REVEX IDS February 14, 2013: (CNES/IGN Revue of Operations for IDS)

Main conclusion:

IDS has a Good level maturity, ready for a contribution to ITRF2013 with potential improvements (new DGXX DORIS receiver, improved analysis and process since 2010).

This is the first contribution to ITRF since the service is being "operational".

New Beacon generation (4th generation)

DORIS response to the call of GGOS for the core network

Contribution based on the DORIS network activities: just sent to M. Pearlman (chairman of the GGOS network bureau)

Objective: Maintaining the network until 2030

3Gbeacon maintenance ensured until 2015

it's time to design & develop a new generation of beacon with new technologies, simplifications
 □ Cost Reduction
 Planning:

- 2013: Draft architecture + Cost estimate+ internal review and finalize specifications
- 2014: consultation ..., preliminary definition phase
- 2015: prototype, pre production,
- 2016: series, early deployment

IGN participated with CNES to the review and the elaboration of specifications. IGN suggested to CNES to taking advantage of this new beacon generation for studying a new generation of DORIS antenna.

The current antenna reference point is not suitable for a variety of reasons. Moreover, we know that the position of the 2GHz phase



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Pascal Willis

centre with respect to the antenna reference point is loosely defined.

IDS could support this request through a letter addressed to CNES

About meteo data: (IDS request)

This request seems not feasible with the required specifications and not compatible with the TM format (LSB). Having a meteo station to a good level of accuracy requires regular maintenance that cannot be planned. That is why DORIS meteo stations are removed gradually on current stations.

It seems that recovering the existing weather stations data (close to DORIS beacons) is not a suitable solution (not enough concerned sites, 5 or 6, and stations not close enough).

→ IDS require the ability to have weather stations at least on geodetic sites (with VLBI or SLR).

Communication / publications

IDS 2012 Report: 2 still expected contributions, the rest is ready: the 2012 report should be released in May / June

IAG mid-term report 2011-2013 before July IERS, report 2012: deadline May 12

10 years of IDS in July:

- ⇔ communication to the general IAG newsletter
 - + IDS paper at AOGS (P. Willis et al, Brisbane June 2013)
 - + and IAG Postdam IDS paper (P. Willis et GB, Sept. 2013)
 - + special point to AWG October.

DORIS Special Issue: expected for 2014 after work on ITRF2013 → research editor (P Willis)

IAG Postdam September 2013, December 2013 AGU: other DORIS communications are encouraged

Central Bureau

Tutorial IDS:

The first action is to collect things on the use of RINEX. and create a specific section on the IDS website

CB, P. Ferrage, L. Soudarin

New page "DORIS station management" on IDS website at: http://ids-doris.org/network/station-management.html

Gather on a page all about managing a DORIS station:

- Technical characteristics specifications,
- Overall maintenance of the network, how it is done
- Constraints and installation requirements,
- Concept of Permanent beacons and IDS beacons
- Selection criteria depending on the type of beacon
- Compatibility with other systems

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Next IDS meeting	Next meetings relevant for IDS:	L. Soudarin, F. Lemoine
Review of actions	See updated xls file "IDS actions_2012_04_05.xls"	