



Paris

September 30, 2019

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## IDS GB meeting

### AGENDA:

Review of current list of actions  
IDS GB: IAG rep.  
Proposal of AAC  
Proposals of WGs  
List of IDS associates: proposals?  
IDS stations  
IDS retreat and strategic plan: current status  
Analysis Coordination: report  
Combination Center: report  
WG NRT data: report  
Central Bureau: report  
Activity reports 2018  
Next IDS Newsletter  
Report on participation to GGRF workshop  
Next events and IDS participations  
AOB

### MAIN DECISIONS:

### ATTENDEES:

<u>GB members</u>	Claudio Abbondanza, Hugues Capdeville & Petr Stepanek, Pascale Ferrage, Frank Lemoine, Guilhem Moreaux, Jérôme Saunier, Laurent Soudarin
<u>Excused</u>	Denise Dettmering, Brian Luzum, Patrick Michael
<u>Invited</u>	Ernst Schrama

<p><b>Proposal of AAC</b></p>	<p>The Central Bureau received on August 7 a letter of interest from Florian Seitz to establish a new Associate Analysis Center within the IDS at DGFI-TUM.</p> <p>DORIS analysis capacities successfully implemented in DOGS for IDS 2.2 format          -up to now, Jason-1 and -2 mission period processed: RMS 0.44 mm/s          -good quality of the reduced-dynamic orbits (comparisons to external solutions)          -quality of Jason-1/-2 derived station coordinates, ERP and gravity field parameters investigated</p> <p>DGFI-TUM's offer:          -orbit results und time series of the prior mentioned parameters.          -estimation of solar radiation, albedo, RTN empirical accelerations and frequency biases and drifts.</p> <p>Further plans:          -refined modelling of the tropospheric wet delay,          -estimation of tropospheric biases and gradients          -implementation of the DORIS RINEX format and new missions such as Sentinel-3A/B</p> <p>For IDS:          -opportunity for the IDS to cross-check its AC-specific and combined orbit and (geodetic) parameters          -benefit from the broad expertise of DGFI-TUM in SLR, VLBI, TRF combination, gravity field determination and satellite altimetry (currently used as external quality check for the DGFI-TUM orbits).</p> <p>Main points of contact for DORIS at DGFI-TUM: Dr. Mathis Bloßfeld and Dr. Sergei Rudenko.</p>
<p><b>Proposal of WGs</b></p>	<p>Geocenter (A. Couhert)</p> <p>SAA (JML)</p>
<p><b>List of IDS associates: proposals?</b></p>	<p>Proposed by Jérôme (05/04/2019)</p> <p>Institute of Geodesy and Geodynamics, Chinese Academy of Surveying &amp; Mapping, Beijing:</p> <p>Pr. Dang Yamin: dangym@casm.ac.cn          director of the institute, national delegate to the IAG</p> <p>Pr. Cheng Yingyan: yycheng@casm.ac.cn          n charge of reference systems at the IGG</p> <p>A/Pr. Xu Changhui: chxu@casm.ac.cn          works in the reference systems team; asked to be on the list too, he is probably the most motivated person to work on DORIS data</p>
<p><b>IDS stations</b></p>	<p>IDS stations are:          Wettzell, Germany,          Mangilao, USA (Mariana Islands)</p>

	<p>Mangilao is now part of the permanent network.</p> <p>One station available for IDS</p> <p>Possible candidates: Crete (S. Martikas) but would be a 2nd IDS station in Europe (see GB's discussion in Munich) AGGO ? South Korea? Other received proposals?</p>
<p><b>IDS retreat and strategic plan: current status</b></p>	<p>June 13 &amp; 14, 2018: IDS retreat</p> <p>September 2018: GB Meeting in Paris debriefing of the Retreat, finalization of the minutes and discussions about the strategic plan.</p> <p>May – July 2019 : 2 meetings and 1 telecon to prepare the strategic plan 20 recommendations for 4 themes Grow the community (4) Lower barriers to entry (4) Technology Evolution (5) Infrastructure and data processing (7)</p> <p>Next steps:</p> <p>finalization of the plan: well-argued wording of recommendations, priorities... deadlines, person in charge)</p> <p>Oct. or Nov. 2019: consultation with the DORIS system stakeholders (meeting of CNES &amp; IGN DORIS steering committee)</p> <p>implementation of the plan (short, medium, long-term actions)</p>
<p><b>WG NRT data</b></p>	<p>Nothing to report from the NRT WG.</p> <p>Concerning the IAG/GGOS working groups: All working groups of the GGOS focus area on space weather are still not established. They plan four different groups (see last slide of the presentation attached to this email). In my opinion we should try to join JWG1 or JWG3 as soon as they become active. JWG 1: Electron density modelling: Chair Fabricio dos Santos Prol, Vice-Chair: Alberto Garcia-Rigo JWG 3: Improved understanding of space weather events and their monitoring by satellite missions In addition, there will be a couple of new IAG Commission 4.3 WGs, especially JWG 4.3.3 (Combination of Observation Techniques for Multi-dimensional Ionosphere Modelling). According to Michael Schmidt all working groups will be happy to accept members from IDS</p>
<p><b>Central Bureau</b></p>	<p>Development and implementation of a control tool of SSALTO deposit to IDS DCs (Q3 2019) Control done on CDDIS (<a href="ftp://cddis.gsfc.nasa.gov">ftp://cddis.gsfc.nasa.gov</a>) and Saint-Mandé IGN (<a href="ftp://doris.ign.fr">ftp://doris.ign.fr</a>) ftp sites The second ftp site of the Marne-la-Vallée IGN (<a href="ftp://doris.ensg.eu">ftp://doris.ensg.eu</a>) was not checked because there is a mirroring between the two IGN sites. The data/products controlled are those necessary for the operational processing of the IDS</p>

analysis centres, i.e. measurements in RINEX and DORIS1B format, quaternions, and orbits produced by the SOD (ssa).

Two steps

1. exhaustive check carried out on the entire past (semi-automatic; analysis required)

Re-deliveries of missing files (done)

Corrections of small anomalies (naming files, ...) by the DCs (in progress)

List of non-existent data files because of known events (done)

Update of data events (done)

Final check after re-deliveries and corrections (to be done)

2. automatic weekly check (active).

- based on the 3-month sliding archive of SSALTO

- check if corresponding files exist at the DCs

List of non-existent data files

IDS > Data & Products > Tables of Data & Products

<https://ids-doris.org/ids/data-products/tables-of-data-products.html#non-existent-files>

Data/products at IDS DCs

- Status of orbit deliveries to POE-F standard:  
Switch and re-delivery of history made for Sentinel-3A&B, Jason-3, Saral, CS2
- Jason-1 solar panel angles from June 13, 2012 to June 2, 2013  
Anomaly fixed (truncated files), re-generation performed

Other data center

- Switch of DORIS data archive in "SSALTO format" from anonymous ftp AVISO (SEF CNES) to authenticated ftp AVISO (CLS) since mid-September.

Next web evolutions (Q4 2019):

Revisions to website menus and renaming of some titles

Improve access to the documentation from all menus

Work on the event table (handling, sorting)

Plotool: addition of the VLBI and SLR co-location on the network viewer based on the IGN ties file

**IDS activity reports 2018**

The **IDS Activity report 2018** is ready.

3 contributions missing this year: AC ESOC; AAC TU Delft, AAC CNES/POD•

Thanks to all contributors for your effort!

To be done soon: Distribution by postal mail to Host Agencies and stakeholders

Available on IDS web site:

IDS > Reports & Mails > Governing Board #Activity Reports

[https://ids-doris.org/documents/report/IDS\\_Report\\_2018.pdf](https://ids-doris.org/documents/report/IDS_Report_2018.pdf)

Other reports:

**IERS activity report 2018**

The CB wrote the report from the contributions to the IDS AR and summaries provided by CC and Acoord (submitted July 9)

	<p>■ on IDS website (10 pages)  <a href="https://ids-doris.org/documents/report/IDS_Report_2018_for_IERS_idsweb.pdf">https://ids-doris.org/documents/report/IDS_Report_2018_for_IERS_idsweb.pdf</a></p> <p><b>IAG Reports July 2015-June 2019</b>  The CB wrote the report from the report 2015-2017 (submitted June 18)  The IAG Reports (Travaux de l'AIG) of the past quadrennial (July 2015 June 2019) has been presented at the IUGG/IAG General Assembly.</p> <p>■ on IDS website (20 pages)  <a href="https://ids-doris.org/documents/report/IDS_Report_mid2015_mid2019_for_IAG.pdf">https://ids-doris.org/documents/report/IDS_Report_mid2015_mid2019_for_IAG.pdf</a></p> <p>■ on IAG website  <a href="https://iag.dgfi.tum.de/fileadmin/IAG_docs/Travaux2019/23_IDS_2015_2019.pdf">https://iag.dgfi.tum.de/fileadmin/IAG_docs/Travaux2019/23_IDS_2015_2019.pdf</a></p> <p>■ IAG reports  <a href="https://iag.dgfi.tum.de/en/iag_publications_position_papers/iag_reports_2019_online/">https://iag.dgfi.tum.de/en/iag_publications_position_papers/iag_reports_2019_online/</a></p>
<b>Next IDS Newsletter</b>	<p>#6 issue in February 2019</p> <p>#7 to be prepared  - Focus on Latin America: San Juan (Argentina), GGRF Workshop Buenos Aires  - poster IUGG, preparation for ITRF2020, ...</p>
<b>IDS representatives</b>	<p><b>GGOS consortium: FL + LS</b>  The GGOS Consortium is the voice and essentially the large steering committee of GGOS. It reviews the GGOS progress, activities, and nominates and votes for the candidates for the elected positions on the GGOS Coordinating Board.</p> <p><b>GGOS coordinating board</b>  As defined in the GGOS Terms of Reference, the GGOS Coordinating Board is the central oversight and decision-making body, and represents the IAG Services, Commissions, Inter-Commission Committees, and other entities.  <b><i>DORIS not represented</i></b>  Service representatives: Riccardo Barzaghi, Ruth Neilan, Christoph Förste, Urs Marti</p> <p><b>GGOS Bureau of Network and Observations: JS, PF</b></p> <p><b>GGOS Bureau of Products and Standards: FL, JML, HC, John Ries</b></p> <p><b>GGOS Committee on EGVs: LS + JML</b></p> <p><b>GGOS WG on DOIs: LS</b></p> <p><b>IERS GB: (network) Jérôme, (analysis coordination) Hugues + Petr</b></p>
<b>Recent events and IDS participations</b>	<p><b>IUGG General Meeting July 8-18 (Montreal)</b>  GGOS Bureau of Products and Standards Meeting (Jul. 15) <input type="checkbox"/> Frank ?  GGOS Bureau of Networks and Observations Meeting (Jul. 15) <input type="checkbox"/> Jérôme ?  GGOS Coordinating Board Meeting (Jul. 16) <input type="checkbox"/> no IDS rep.</p> <p><b>GGRF Workshop September 20-24 (Buenos Aires)</b>  The main objective of the Workshop is the development of capacities oriented to the implementation of the GGRF in Latin America, following the scientific definition released by IAG (and driven by the Geocentric Reference System for the Americas -SIRGAS-) and the</p>

	<p>political frame outlined by the Subcommittee on Geodesy (SCoG) of the United Nations Committee of Experts on Global Geospatial Information Management (UN-GGIM).</p>
<p><b>Report on participation to GGRF workshop</b></p>	<p>DORIS/IDS presentations</p> <ul style="list-style-type: none"> <li>• LS presentation of DORIS and IDS</li> <li>• FL The science contributions of DORIS and synergy with other space geodetic techniques</li> </ul> <p>Contacts</p> <ul style="list-style-type: none"> <li>-Raul Cardenas, directeur de l'IAPP, OH d'Arequipa, Pérou</li> <li>-Ricardo Podesta and Hernan Alvis Rojas OH de San Juan, Argentine</li> <li>-Ricardo Coyago un responsable de l'IGM, en Equateur (</li> <li>-José Mosquera et ses collègues de l'Université de Santiago du Chili, département d'ingénierie géographique</li> <li>-Virginia Mackern vice présidente du SIRGAS</li> </ul> <p>Visit of the AGGO (CONICET BKG) VLBI,SLR,GNSS, Gravimeters atomic clocks Hmaser cesium rubidium), meteo and hydro sensors seismometers</p>
<p><b>Next events and IDS participations</b></p>	<p><b>GGOS/IERS UAW Oct 2 4 (Paris)</b> Large IDS/DORIS participation Session DORIS systematic errors and biases DORIS ground network in Session Global Space Geodesy infrastructure Standards, Conventions and Formats DOIs for Geodetic Data Sets Reference Systems and Frames Site survey and co location</p> <p><b>GGOS Days in conjunction with SIRGAS Workshop Nov 11 14 (Rio de Janeiro)</b> GGOS Days is the annual meeting of GGOS during which the different components of GGOS meet and report on their activities during the past year and their plans for the coming year. Everyone is encouraged to attend! IDS reps ?</p>
<p><b>New actions</b></p>	<p>See Appendix</p>

## Appendix: action list

### New actions

#	Origin	Title	Action	Answer	Resp.	Opening date	Deadline	status
GB_19_13	GB	new GGOS Joint Study Group	provide the GB with charts, Terms of Reference, member list when they are available		Denise Dettmering	30/09/2019	01/04/2020	open
GB_19_14	GB	DOI for reports	ask Daniela Thaller if DOI are assigned to IERS report and how	2019/09/30: IDS would like to assign DOI for IDS Reports.	Laurent Soudarin	30/09/2019	01/04/2020	open
GB_19_15	GB	Chip-scale atomic clock	send summary of discussion with USNO on new technology to the GB	2019/09/30: follow-up GB_18_27	Frank Lemoine	30/09/2019	01/04/2020	open
GB_19_16	GB	DGFI application for AAC	send letter of acceptance to Florian Seitz		Frank Lemoine + Laurent Soudarin	30/09/2019	01/04/2020	open
GB_19_17	GB	IDS stations	meet Stavros Mertikas at OSTST and encourage participation to IDS and data analysis	2019/09/30: Crete (Mertikas's proposal) is serious option to replace Dionysos.	Frank Lemoine	30/09/2019	31/10/2019	open
GB_19_18	GB	IDS stations	draft a call for proposal, with documented criteria for installation		Guilhem Moreaux	30/09/2019	01/04/2020	open
GB_19_19	GB	Strategic plan	push people to get the paragraphs		Frank Lemoine + Laurent Soudarin	30/09/2019	01/04/2020	open
GB_19_20	GB	IDS Workshop 2020	identify specific topics and people IDS wishes for invited presentations		Frank Lemoine + Laurent Soudarin	30/09/2019	01/04/2020	open
GB_19_21	GB	DORIS special issue	ask AWG's members for expression of interest in submitting articles for an DORIS/ITRF2020 special issue		Frank Lemoine + Laurent Soudarin	30/09/2019	01/04/2020	open
GB_19_22	GB	CC products	clarify naming conventions and propose a solution		Guilhem Moreaux + Laurent Soudarin	30/09/2019	01/04/2020	open



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