



online

September 25, 2025

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IDS GB meeting

AGENDA:

- Resume of the IDS summer events: presentations, publication, other
- News from the IDS: DORIS missions, ground network, data & products, IDS LinkedIn page
- Status of the organization of the 2025 DORIS Days
- Status of the actions raised during the first IDS retreat
- Next IDS and non-IDS meetings
- Miscellaneous
- Next IDS GB meeting

MAIN DECISIONS:

ATTENDEES:

Elected, appointed, ex-officio members:

Matthis Bloßfeld, Hugues Capdeville, Anna Kelley, Cécile Manfredi, Guilhem Moreaux, Ernst Schrama, Patrick Schreiner, Laurent Soudarin, Petr Štěpánek, Maria Tsakiri

Excused: Laura Sánchez, Jérôme Saunier, Ningbo Wang

Guests: Karine Le Bail, Frank Lemoine

Actions list	See appendix
Summer evens	<ul style="list-style-type: none"> • Presentations <p>Several DORIS/IDS presentations were given during the summer.</p> <ol style="list-style-type: none"> 1) The IDS was invited to present the contribution of DORIS to reference systems as part of the SIRGAS virtual school. The Central Bureau prepared pre-recorded presentations in Spanish and English. 2) Following a discussion with Laurent Soudarin at the GGOS 2025 conference, Esther Azcue Infañón (IGN Spain & GGOS IberAtlantic) asked IDS to give a DORIS presentation at 1st GGOS IberAtlantic Summer School. This presentation was prepared and given remotely by Karine Le Bail. 3) Laurent Soudarin presented the progress and projects of the IDS at the IAG Scientific Assembly, in Rimini. 4) Stelios Mertikas (Technical University of Crete) asked IDS to give a presentation on the Gavdos station as part of the Altimetry Calibration/Validation Workshop organized in Chania, Crete, Greece. This presentation was prepared by Philippe Yaya (CLS), Guilhem Moreaux and Jérôme Saunier and prerecorded by Jérôme Saunier. <p>List of the presentations:</p> <ul style="list-style-type: none"> - June 2025: <ul style="list-style-type: none"> Sirgas Virtual School “Terrestrial Reference Frame. Geodynamic and Atmospheric Monitoring 2025” « DORIS: Features, advantages, contributions in ICRF, ITRF and terrestrial orientation parameter estimation » (prerecorded presentation; Jérôme Saunier - Spanish version, Frank Lemoine - English version) - July 2025: <ul style="list-style-type: none"> 1st GGOS IberAtlantic Summer School, Yebes, Spain « Introduction to the Space-Geodetic Technique DORIS » (online oral presentation; Karine Le Bail) - September 2025: <ul style="list-style-type: none"> IAG Scientific Assembly, Rimini, Italy « Status and plans of the International DORIS Service" (poster; Laurent Soudarin) « DORIS Status and Outlook » (oral, Jerome Saunier) « Assessing the quality of DORIS tropospheric products: Insights from the IDS IGN-IPGP/JPL analysis center for ITRF2020-u2024 » (poster, Samuel Nahmani, Arnaud Pollet and Willy Bertiger) « Enhancing DORIS Orbit Determination: A Special Strategy for Geomagnetic Storm Days » (poster, Vikash Kumar, Petr Stepanek, Vratislav Filler, Nagarajan Balasubramanian and Onkar Dikshit) « DSO DORIS Processing Toolkit: Status and Preliminary Results » (poster, Xanthos Papanikolaou, Dimitrios Anastasiou, Vangelis Zacharis, Maria Tsakiri, Vasiliki Krey and George Serelis) « Strategies for Combining Mono-Satellite DORIS Solutions » (poster, Karine Le Bail, Frank Lemoine, Guilhem Moreaux and Doug Chinn)

« First assessment of SWOT DORIS data by the IDS IGN-IPGP/JPL Analysis Center » (poster, Arnaud Pollet, Samuel Nahmani and Willy Bertiger)

« Validation of DSO DORIS processing software using the JASON satellite series » (poster, Georgios Serelis, Dimitrios Anastasiou, Xanthos Papanikolaou, Vangelis Zacharis, Vassiliki Krey and Maria Tsakiri)

Altimetry Calibration/Validation Workshop, Chania, Crete, Greece

« Performance assessment of the Gavdos DORIS station in support of satellite altimetry precise orbit determination and absolute positioning » (prerecorded presentation; Jérôme Saunier)

- **Publications**

The IDS activity report 2024 (doi: 10.24400/312072/i02-2025.001) was published early July 2024. It is available online and a limited number of printed copies will be sent to contributors. The Central Bureau thanks them for their participation.

DOI and Creative Common license CC BY were assigned to all the IDS Activity Reports (see <https://ids-doris.org/resources/ids-publications/activity-reports.html>)

The Central Bureau wrote and delivered the IDS activity report for IAG travaux mid-2023 to mid-2025.

Jérôme Saunier and Guilhem Moreaux wrote the DORIS contribution to the white paper titled « Robustness of Space-Geodetic Network ». This contribution will be reviewed by Samuel Nahmani (IGN) as member of the UN-GGCE.

- **Website**

A new version of the website was launched in May 2025. The aim is to make the website clearer for users. A new template has been implemented, while retaining the site's signature graphic identity. The information provided by the site has been structured into six sections, compared with four in the previous version: IDS, Network & Station, Missions & System, Data & Products, User corner, Resources.

The description of the changes can be found in <https://ids-doris.org/documents/2025-IDSwebsiteV3.pdf>

Next step: Pages “DORIS Technology” to be updated and migrated from Aviso to the IDS website.

- **LinkedIn**

A LinkedIn account was created on June 20 to promote IDS/DORIS activities:

<https://www.linkedin.com/company/ids-doris>

It is managed by the Central Bureau. It has 128 followers, and three news items were posted on September 26.

The CB asks colleagues to use #idsdoris for their posts related to IDS or DORIS

<p>DORIS and IDS news</p>	<ul style="list-style-type: none"> • Missions Cecile Manfredi reported that all the DORIS instruments currently in orbit are in good working order. The DORIS team is preparing for the launch of Sentinel-6B, scheduled for November 17. The launch of Sentinel-3C is planned for 2026. The DORIS instrument for HY2-E was delivered to China at the beginning of the summer, and the one for HY2-F will be delivered in October. Launches are planned in 2026 but delays are possible. The Preliminary Design Review for the DORIS instrument on Genesis will be held early October. Moreaux Guilhem added that the Genesis project has a new project manager at CNES, Isabelle Hernandez and reminded that the USO is not part of the DORIS package. • Ground network Guilhem Moreaux provided a network status update on behalf of Jérôme Saunier. He reported that 85% of the DORIS ground network is operational. Some sites have been out of service for a long time: Betio (10/06/22), Syowa (07/02/23), Cachoeira Paulista (03/11/23), Amsterdam Island (16/01/25). A major renovation at Cachoeira-Paulista (antenna relocation + equipment upgrade) and a new site in Katherine (Australia) are planned in 2026. He shared positive developments regarding new stations in Kazakhstan and India (Kanpur), with the latter expected to be operational by the end of the year. The search for new sites in Micronesia (Pohnpei Island) and in South Korea (Sejong) is also part of his plans. Additionally, discussions are underway to link DORIS beacons with the GNSS REGINA network, enhancing monitoring capabilities. • Data and products Laurent Soudarin, who participates in GGOS committee on data and information systems, emphasized the integration of DORIS site logs into GeodesyML, highlighting the need for specific metadata. Guilhem Moreaux, who participates in the ISO TC 211 – 19 161-2 WG on the Universal Identification for Ground Geodetic Stations, explained the development of the XDOMS scheme for site identification, which seeks to replace the current French numbering system with a more international standard. The working group is finalizing details, with a goal to clarify the new scheme by the end of the September. Guilhem Moreaux reported that ESA had contacted IGN to download DORIS data and products. To date, no further details have been provided regarding the missions, the type of products, or their use (internal/external).
<p>DORIS days 2025</p>	<p>Maria Tsakiri provided an update on the organization of the DORIS days. The organizing committee is composed of Maria Tsakiri, Xanthos Papanikolaou, Karine Le Bail, Guilhem Moreaux, Laurent Soudarin. The established schedule is as follows:</p> <ul style="list-style-type: none"> - November 3rd (13h-16h UTC) <p>Online lectures: introduction to DORIS, IDS and precision applications Speakers: K. Le Bail (educational content manager), JM. Lemoine, C. Manfredi, G. Moreaux, L. Soudarin, P. Stepanek.</p> <ul style="list-style-type: none"> - November 5th (7h-10h, 11h-14h UTC)

	<p>Hybrid practical sessions (online and at NTUA): lectures and laboratories on data analysis Each subsession will include: theoretical lecture (20 min), practical working on Jupyter Lab (50 min), Q&A (10 min). Speakers: X. Papanikolaou and D. Anastasiou (Jupyter notebook developments), E. Schrama, S. Nahmani, J.M. Lemoine, A. Pollet.</p> <p>The event was advertised through the following channels: DORISmail, IGSmial, SLRmail, IVSmial, IAG Office, GGOS coordinating Office, IDS website, Linkedin, Instagram of IAG...</p> <p>A registration form is available online. 53 people had registered as of September 22, from diverse locations such as India, Germany, and South America. Most registrants will attend online, with only a few expressing interest in attending in person.</p>
<p>IDS AWG</p>	<p>The meeting will be held on November 6 and 7 in Athens, Greece. The agenda is currently being prepared. It will include a visit to the Dionysos Observatory.</p>
<p>Next meetings</p>	<p>November 2025:</p> <ul style="list-style-type: none"> - 3 (online only) and 5 (online and in Athens, Greece): DORIS Days - 6 and 7: IDS AWG, Athens, Greece. <p>December 2025:</p> <ul style="list-style-type: none"> - 15 - 19: AGU 2025 Fall Meeting, New Orleans, USA. (2025/11/06: Early bird registration deadline) <p>March 2026:</p> <ul style="list-style-type: none"> - 2 - 6: IAG Symposium Reference Frames for Applications in Geosciences (REFAG) + GGOS/IERS Unified Analysis Workshop (UAW), Munich, Germany. <p>May 2026:</p> <ul style="list-style-type: none"> - 3 - 8: EGU General Assembly 2026, Vienna, Austria. (2026/01/15: Deadline for receipt of abstracts) <p>August 2026:</p> <ul style="list-style-type: none"> - 1 - 9: COSPAR 2026 Scientific Assembly, Florence, Italy. (2026/02/13: Deadline for receipt of abstracts) <p>October 2026:</p> <ul style="list-style-type: none"> - 5 - 7: GGOS Days 2026, Gävle, Sweden.
<p>Miscellaneous</p>	<ul style="list-style-type: none"> • What about an IDS WG on tropospheric products? Samuel Nahmani (IGN-IPGP) is interested in taking the lead. Petr Stepanek and Hugues Capdeville will discuss it with the ACs and AACs during the AWG meeting. • DORIS representatives in local GGOS It is reported that GGOS Japan has a DORIS « representative », Y. Aoyama (NIPR – host agency of DORIS @ Syowa). The GB questions his role and his connection with the IDS.



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	<p>Mathis Blossfeld mentioned that GGOS D-A-CH does not have such technics representatives as its focus is to create a special research unit and not infrastructure development. Furthermore, the GB questions the relevance of having a GGOS representative on the Governing Board. The discussion will need to be continued.</p>
Next GB meeting	The next meeting will be in Athens or after the DORIS days. To be defined.

Appendix: action list

New / Changes (since previous review)

N°	Origin	Title	Action	answer	Resp.	Opening date	Deadline	status
GB_25_01	GB	GGOS Core Sites	respond to José Rodríguez Pérez's document on behalf of IDS and stay updated on the developments.	2025/07/07: Jérôme sent answers to José.	Guilhem, Jérôme	06/03/2025	25/09/2025	closed
GB_24_05	GB	WG "NRT ionospheric application".	review ToR, goals and member list sent by Ningbo	2025/02/05: elements reviewed and published on the website	Frank Lemoine, GB	05/09/2024	15/12/2024	closed
GB_24_04	GB	WG "NRT ionospheric application".	CB organizes regular meetings with Ningbo about activity progress of the WG NRT iono applications	2025/02/05: quarterly meetings with CB and Ningbo set up. First meeting on Dec. 2025	Laurent Soudarin	05/09/2024	15/12/2024	closed
GB_24_03	GB	WG "Integrated clock corrections for DORIS"	CB organizes regular meetings with Patrick about activity progress of the WG clocks	2025/02/05: quarterly meetings with CB and Patrick set up. First meeting on Jan. 2025	Laurent Soudarin	05/09/2024	15/12/2024	closed
GB_24_02	GB	GB appointed members	CB asks CNES and IGN to appoint for their representative for the next term 2025-2027	2025/02/05: Cécile Manfredi and Jérôme Saunier are appointed by CNES and IGN respectively for 2025-2028	Laurent Soudarin	05/09/2024	15/12/2024	closed

N°	Origin	Title	Action	answer	Resp.	Opening date	Deadline	status
GB_24_01	GB	GB appointed members	CB asks IERS to appoint a representative for the next term 2025-2027	2025/02/05: Matthis Blossfeld is the IERS rep. for 2025-2028	Laurent Soudarin	05/09/2024	15/12/2024	closed
GB_23_24	GB	Status of the strategic plan	the Central Bureau prepares and organizes an online GB meeting in February to present the status of the actions of the strategic plan	2024/09/05: status of actions done. To be reviewed by the Central Bureau 2025/09/25: IDS retreat report sent to GB; to be discussed at GB meeting in Nov. 2025	Laurent Soudarin	29/11/2023	15/12/2025	open
GB_23_19	GB	CDDIS updates	Taylor and Laurent prepare information for users about this update. Laurent will put them online on the website.	2025/09/25: a link to CDDIS's page "CDDIS Archive Access" is added on IDS's page "Information and data center organization"	Taylor Yates and Laurent Soudarin	29/11/2023	15/12/2024	closed
GB_23_17	GB	DORIS days 2023	organize online committee meetings every two weeks	2025/09/25: 2nd edition of the DORIS days organized in Nov. 2025	Laurent Soudairn	14/02/2023	15/12/2024	closed
BC_23_05	BC	IDS article	propose a plan of the article		Frank Lemoine	31/01/2023	15/12/2025	open
BC_23_02	BC	DOI	determine needs of DOI for IDS products, documentation, ...	2025/10/07: several DOI assigned: -activity reports: all -workshop abstracts: IDS Workshop 2024 -products: IDS 16 - Contribution to ITRF2020, GSC std2400 orbits -technical notes: DORIS satellites models, DORIS system ground segment models	Central Bureau	07/02/2023	15/12/2024	closed

N°	Origin	Title	Action	answer	Resp.	Opening date	Deadline	status
GB_22_08	GB	New groups	Contact each group individually, propose dedicated meetings: india, Greece, Bonn, Chili, Argentina		Laurent Soudarin	02/11/2022	15/12/2025	open
GB_20_11	GB	IDS and social networks	evaluate the creation of a LinkedIn account for the IDS and its regular supply of information	2023/02/07: need of a communications and outreach manager? 2025/09/25: LinkedIn account created	Central Bureau	24/11/2020	15/12/2024	closed
GB_20_10	GB	User survey	solicit the GB members to prepare the user survey 2021	2023/02/07: submit survey to GB before the meeting Feb 13. 2023/02/13: item not added to the agenda of the GB meeting, already full. See if Committee "DORIS days 2023" can suggest updates.	Central Bureau	24/11/2020	15/12/2025	open
GB_19_22	GB	CC products	clarify naming conventions and propose a solution	2020/11/24: not only CC products but also AC products; to be done before ITRF2020 publication 2023/02/06: to be discussed with Guilhem 2023/02/14: status?	Guilhem Moreaux + Laurent Soudarin	30/09/2019	15/12/2025	open
GB_19_19	GB	Strategic plan	push people to get the paragraphs	2023/02/07: distribute Marek's slides to GB and organize a working session to decide further actions 2025/09/25: see GB_23_24	Frank Lemoine + Laurent Soudarin	30/09/2019	15/12/2025	open
GB_19_08	GB	WG Geocenter	ask Alexandre Couhert to write 1 or 2 paragraphs describing the goals of the WG, and forward GB's approval to chair the IERS WG	2019/09/30: The WG is created. Participation of GOP, GSFC, GRGS. 2023/02/13: We need to try to rejuvenate this WG. There are some activities. Guilhem will ask Alexander to give the status of the WG. Frank pointed out the charter for this WG has not been approved by the GB.	Hugues Capdeville	05/04/2019	15/12/2025	open
GB_19_07	GB	IDS Newsletter	send the distribution list to the GB for	2019/09/30: make the subscription easier; add a link on the front page. 2023/02/07: added link on the next website version to be deployed	Laurent Soudarin	05/04/2019	15/12/2024	closed

N°	Origin	Title	Action	answer	Resp.	Opening date	Deadline	status
			proposal of new recipients	in February; take steps to comply with EU GDPR regulation 2024/07/05: next website version not yet finalized 2025/05/21: new website version deployed with subscription on the home page ; GB members can propose new recipients at any time				
GB_19_02	GB	Softwares	check availability of all the softwares (contact Tim Springer for Napeos); CB will prepare a table on the website with links to softwares' webpages, information about licences if any.	2019/09/30: request for information (software availability, point of contact, license) to be sent quickly to ACs, AACs and other groups (Norway). 2020/11/24: Geodyn freely available online https://sgp.gsfc.nasa.gov/techniques/tools/GEODYN/GEODYN.html 2023/02/13: Laurent will start this action, in preparation for the DORIS days 2023. 2023/11/20: work in progress	Analysis Coordination + Central Bureau	05/04/2019	15/12/2025	open
GB_18_32	GB	Working Group on SAA	To propose charter for Working Group, work plan, and ideas for members, and submit to GB for consideration	2019/04/05: HC asks JML if still interested in 2019/09/30: Pierre Exertier (GRGS) proposed to participate and lead the WG. Hugues will check with Jean-Michel Lemoine and get confirmation from Pierre 2020/11/24: Hugues will contact Pierre again 2023/02/13: Postpone the continuation of this action after the next AWG meeting (Apr 18, 2023) where the subject will be discussed	Pierre Exertier, Hugues Capdeville	26/09/2018	15/12/2025	open
GB_18_31	GB	Mitigation of SAA effect	To write a document with the list of strategies for mitigation of SAA effect on DORIS satellites (Jason-1, Jason-2, Jason-3, SPOT-5)	2019/09/30: 1 or 2 pages with inputs of the presentations on SAA at AWG meeting Paris October 2019. 2020/11/24: write the document with updates based on the processing for ITRF2020 2023/02/13: Petr proposes: 1. Write the summary of the strategies so far applied by the ACs with the help of Hugues and Guilhem 2. Submit the documents to ACs for suggestions 3. Provide the document to the CB for putting it on the website	Analysis Coordination	26/09/2018	15/12/2025	open

N°	Origin	Title	Action	answer	Resp.	Opening date	Deadline	status
GB_18_30	GB	Observable in RINEX	To create a document that better defines observable in the RINEX	2020/11/24: Hugues will send a message to Jean-Michel 2023/02/13: action to link with GB_18_29	JML, FL, with help from CJ, with solicited comments from Mathis Blossfeld, and John Ries	26/09/2018	15/12/2025	open
GB_18_29	GB	Cookbook for RINEX processing	Create a cookbook for RINEX processing	2019/04/05: Matthis Blossfeld, Sergey Kuzin, Pascal Willis could review the document 2020/11/24: Hugues will send a message to Jean-Michel 2023/02/13: Petr will contact the ACs, the AACs and the group at Dionysos to know if they documents are needed or the papers are enough. If demanded, Petr will start the writing.	JML, HC with expected support of Alexandre Couhert and Flavien Mercier	26/09/2018	15/12/2025	open

N°	Origin	Title	Action	answer	Resp.	Opening date	Deadline	status
GB_16_12	GB	ToR	propose a correction of the Terms of Reference about the duration of the Chairperson's period	<p>2017/05/24: take into account the correction chosen by the GB (maintain the Chair as ex-officio) and update the ToR</p> <p>2018/06/15: Frank will quickly check the proposition sent by Laurent</p> <p>2018/09/26: Frank would like to include some other modifications proposed at the Retreat:</p> <p>(a) clarify term of chairman.</p> <p>(b) In line with recommendation from IDS Retreat, think of more expansive language about IDS Mission, talking about IDS Mission in terms of more fundamental services to science and society.</p> <p>(c) the term "chairman" is sexist. Should we have another designation for this office?</p> <p>2019/03/31 B. Luzum: "the term "chair" is gender neutral and might be considered"</p> <p>2019/09/30: To be done before next election (Fall 2020)</p> <p>2023/02/03: To be done before IAG EC meeting in Berlin July 2023</p> <p>2023/02/13: A committee is set up: Frank, Pat and Laurent. GB members will read the ToR (https://ids-doris.org/ids/organization/terms-of-reference.html) and send proposals of updates within two weeks to the committee. The committee will include the modifications proposed at the retreat (see above) and the minor changes proposed by the GB. Major changes will be the subject of another discussion for a later revision. A vote of the GB will be organized to validate the updated ToR before sending them to IAG EC for approval.</p>	Central Bureau + F. Lemoine	01/11/2016	15/12/2025	open