



online

January 23, 2026

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IDS GB meeting

AGENDA:

- News from the IDS (DORIS missions, DORIS ground network, DORIS data & products)
- Publications
- IDS GB positions to be renewed by late 2026
- Next IDS Workshop
- New IDS reference paper
- IDS WG on tropospheric products
- IDS Capacity Building
- Miscellaneous
- Next IDS GB meeting

MAIN DECISIONS:

Creation of a working group to develop tropospheric products
Creation of a task force on capacity building

ATTENDEES:

Elected, appointed, ex-officio members:

Hugues Capdeville, Anna Kelley, Cécile Manfredi, Guilhem Moreaux, Laura Sánchez, Jérôme Saunier, Ernst Schrama, Patrick Schreiner, Laurent Soudarin, Petr Štěpánek, Maria Tsakiri, Ningbo Wang

Excused: Matthis Bloßfeld

Guests: Karine Le Bail, Frank Lemoine

DORIS news

- **Missions**

Cecile Manfredi reported

- Sentinel-6B: the satellite has been on its final orbit since December 16, at 1336 km, 30 seconds behind Sentinel-6A. The tandem phase is planned for 10 months with the objectives to allow precise cross calibrations and ensure a seamless continuation of the 30-year climate-quality sea-level record. Sentinel-6B will then become the new reference altimetry mission.
- Sentinel-3C: system tests are in progress. Upcoming launch in October to be confirmed.
- HY-2E and HY-2F: no news from NSOAS about future launches

- **Ground network**

Jérôme Saunier gave a quick update of the network status.

- Network Operational Status

The network is currently composed of 61 stations of which 6 beacons are out of order (Cachoiera, Syowa for over a year; Kauai, Futuna, Managua, Greenbelt) and 2 decommissioned (Badary, Betio).

- Stations equipment

46 stations are equipped with the 4th generation beacon.

31 stations are equipped with Starec-C antenna

The stock shortage of ground antennas is resolved, a new manufacturer is currently being investigated at CNES

Five connections to atomic clocks are planned: Greenbelt, Kauai, St-John's, Thule, Yarragadee. Eight stations are already connected: Grasse, Hartebeesthoek, Kourou, Ny-Alesund II, Papeete, Terre Adélie, Wettzell, Yellowknife

- Recent events

Since December, the station in Amsterdam Island has been back to operation after a one-year outage, and the Starec-B antenna of the station in Tristan da Cunha has been replaced with a Starec-C.

- Alternative sites to cover Russia

To compensate for the shutdown of stations on Russian territory, the DORIS project has studied alternatives:

-Mongolia: the DORIS station in Ulaanbaatar was commissioned on September 5, 2024

-Kazakhstan: the project is well underway after reconnaissance last summer; two options: Kokshetau and Karaganda; the application for frequencies clearance is in progress

-South Korea: a reconnaissance was carried out last November; two options: Sejong and Gamak; reluctance of the VLBI team at Sejong.

-Japan: the project plans to submit a new application for frequency clearance, 15 years after the failure of an initial application. At that time, reconnaissance had been carried out on the sites of Chichijima and Hokkaido.

- Upcoming network changes

- February: Kanpur, India: station installation + site survey (co-location with IGS station IITK)
- March: Cachoeira, Brazil: major renovation (antenna move + equipment upgrade)
- April: Sal, Cape Verde: major renovation (antenna move + equipment upgrade)
- May: Katherine, Australia: station installation + site survey (co-location with GNSS and VLBI)
- September: Kazakhstan: station installation + site survey (co-location with GNSS)
- December: Syowa, Antarctic: major renovation (antenna move + equipment upgrade)

Data and products

IGN Data Center

Jérôme Saunier reported the latest developments and changes at IGN Data Center:

- October: separation of servers' infrastructure between GNSS data and DORIS data leading to full independence and better service to users
- November: DPOD2020 5.0 available
- January: provision of Sentinel-6B data from day 325 of 2025 (DORIS Rinex, CNES POE orbit, NRT dataset)

Jérôme provided statistics for the past quarter. About 700 visits were recorded with about 90 Go of data downloaded per month. The visitors are mainly from Central Europe (France, Germany, Austria, Spain, Slovakia) and India.

Jérôme informed that the provision of extrapolated orbits and the renaming of DORIS/RINEX NRT files with an IDS-like name are the next updates. The future planned developments are the mirroring between CDDIS and IGN DC, and the file integrity verification.

CDDIS Data Center

Anna Kelley reported the 2025 progress for CDDIS Data Center. The new files archived by CDDIS are quaternions of Jason-3 and sp3 orbits for Sentinel-6A, Sentinel-3A, Sentinel-3B and Jason-3. The RINEX file versioning error has been corrected and the scripts to mirror the files on Central Bureau server have been updated. Development of modernized ingestion software is continuing.

Anna provided statistics for the past year. Nearly two terabytes were downloaded from the CDDIS archives. Storage of DORIS products, data and ancillary data is approximately 175 GB, of which 10 GB was stored last year. These figures still need to be consolidated. They will be included in the IDS Activity Report 2025.

Plans for 2026 include updating the I&A software for immediate ingest after upload and making the files accessible within a couple of minutes. This will replace the scheduling ingest.

Data dissemination

Laurent Soudarin presented the latest information concerning the data distribution from SSALTO to IDS Data Centers.

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| | <p>Sentinel-6B data is now accessible from IGN and CDDIS. This includes RINEX/DORIS files (from November 21, 2025) and CNES/SOD POE orbits (the first file covers the arc from November 23 to 27, 2025). In addition, NRT RINEX and orbits are delivered to IGN. Maneuver and mass history files are available on IDS Central Bureau servers (ftp and https). The macromodel will be added to the document “DORIS satellites models implemented in POE processing” after the end of the calibration phase scheduled for Nov. 17, 2026.</p> <p>The Central Bureau has made available on its FTP server HY-2C and HY-2D quaternions files generated by the CNES/CLS Analysis Centre for the year 2024. The CB has assigned a DOI and created a landing page on IDS website for GSFC std2400 orbits delivered by Frank Lemoine to IDS DCs in November.</p> <p>The actions in progress are:</p> <ul style="list-style-type: none"> -distributing SWOT quaternions and solar panel angles to CDDIS -distributing extrapolated MOE orbits for all missions to DCs (instead of NRT orbits for some missions) -distributing NRT RINEX to CDDIS -naming by DCs of NRT RINEX with an IDS-like naming convention |
| <p>Publications</p> | <p>IDS newsletter #12 was published in December.</p> <p>The call for contribution to the IDS activity report 2025 was sent out early January. The deadline is March 27, 2026. The objective is to publish the report for the workshop in June.</p> <p>The Central Bureau has assigned DOIs to several technical documents (DORIS data format, POE standards, ...)</p> |
| <p>IDS GB positions to be renewed by late 2026</p> | <p>The terms will end on Dec. 31, 2026:</p> <ul style="list-style-type: none"> - Analysis coordinator: Petr Štěpánek - Member at large: Laura Sánchez <p>Due to the critical nature of the Analysis Coordinator position, the CB proposes to begin the search for candidates as soon as possible by sharing the information at upcoming events (UAW, EGU, Workshop).</p> <p>It is reminded that a tandem application is possible. This form of partnership has worked well: Hugues Capdeville and Jean-Michel Lemoine (2015-2018), Hugues Capdeville and Petr Štěpánek (2019-2022). It will be included in the call for candidates.</p> |
| <p>Next IDS Workshop</p> | <p>The IDS workshop 2026 will be held in Wiesbaden, Germany, from 23 to 25 June 2026, in conjunction with the Ocean Surface Topography Science Team meeting. The event is organized by Eumetsat, Copernicus and CNES.</p> <p>Cécile Manfredi participates in the meeting of the organizing committee for IDS. Four half-days have been scheduled for the workshop: Tuesday 23 afternoon, Wednesday 24 morning and afternoon, Thursday 25 morning.</p> |

OSTST POD session will be on Tuesday 23 morning and the conference dinner on Wednesday 24 evening.

The workshop room is equipped to allow remote presentations.

The posters will be displayed in the workshop room (up to 10).

The forum is not proposed for the workshop (TBC)

The abstract submission website is <https://idsworkshop.aviso.altimetry.fr/>

There is no submission fee.

The registrations website is <https://www.eventsforce.net/ostst2026>

The registration fees are given on this website. They are applicable for on-site participation only. There are no reduced participation fees for the workshop alone.

The dates announced by the event organization are:

- Abstract submission opens: January 19
- Registration opens: February 16
- Abstract submission closes: April 03
- Preliminary program published: April 13
- Deadline early bird registration: May 15

Note that OSTST call for abstract was sent only on January 23.

The IDS is slightly behind the organization's schedule. The Central Bureau drafted a scientific committee and contacted Petr Štěpánek to chair it. Petr accepted and approved the CB's proposal, who then contacted each member and obtained their agreement.

Scientific committee (SC)

- Petr Stepanek, IDS analysis coordinator, chair
- Patrick Schreiner, chair of WG "clocks"
- Ningbo Wang, chair of WG "nrt iono applications"
- Samuel Nahmani, expected chair of the future WG "troposphere"
- Hugues Capdeville, IDS AC representative
- Maria Tsakiri, head of a new DORIS group
- Jean-Michel Lemoine, for his long experience in DORIS processing.

It has been decided that the SC members are not required to attend in person in Wiesbaden.

Laura suggested proposing a list of topics in the call for abstracts and afterwards defining the sessions. Her proposition is accepted.

Upcoming actions:

(January)

- Write the call for abstract (Scientific Committee)
- Send the call (CB on behalf SC): mail (dorismail, DORIS days participants, other contacts), LinkedIn, GGOS/IAG

(February, March)

- Send reminder(s) (CB)
- Contact potential presenters (SC, chairs)

(April)

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| | <ul style="list-style-type: none"> • Review the abstracts (SC) • Define the sessions (SC) • Find session chairpersons (SC) • Finalise the program (SC) • Send decisions to presenters (CB on behalf SC) |
| <p>New IDS reference paper</p> | <p>Frank Lemoine pointed out that the purpose of such a paper is to provide a general description of the service and its products, the last citation paper was published in 2010. He presented the drafted outline of the citation paper, with suggestions for names to write specific sections.</p> <p>Targeted journal could be ASR, where the previous citation paper was published, EGU or AGU journals, Earth planets and space, The goal is to submit in June this year.</p> <p>The paper will be concise with 12 to 20 pages, providing only recent updates and new developments.</p> <p>Ernst Schrama and Laura Sanchez pointed out that the paper should emphasize the relevance of DORIS and IDS and remind the importance of geodesy for the society.</p> <p>Ningbo Wang proposed to contribute on NRT DORIS ionosphere part.</p> <p>Frank will distribute e-mail out the outline to the Governing Board for any comments or suggestions for contributions.</p> <p>The outline should be finalized by early February.</p> |
| <p>IDS WG on tropospheric products</p> | <p>Following discussions in Athens, Guilhem Moreaux proposed establishing a working group to develop the creation of tropospheric products derived from DORIS observations. Samuel Nahmani is volunteer to set up and chair the WG.</p> <p>Hugues Capdeville said that CNES/CLS AC will contribute to the WG.</p> <p>By majority vote, the GB decided to establish the Working Group.</p> |
| <p>Capacity building</p> | <p>To ensure the continued regular organization of DORIS days and develop capacity building and outreach activities, the Central Bureau proposes to set up a standing “committee” dedicated to this activity.</p> <p>By majority vote, the GB decided to proceed to establish a task force on capacity building.</p> |
| <p>Miscellaneous</p> | <p>The list of IDS representatives for the Unified Analysis Workshop (UAW2026, 5&6 March 2026, Munich, Germany) is: Petr Stepanek, Alexandre Couhert, Arnaud Pollet, Sergei Rudenko, Michiel Otten, Guilhem Moreaux. Frank lemoine has not yet confirmed his participation.</p> |
| <p>Next GB meeting</p> | <p>The next meeting is proposed to be held on March 20, 2026, 15h-16h30 CET.</p> |