



# IDS news

## ■ Data/products/documents

- New missions HY-2C and Sentinel-6A
- NRT data for Jason-3
- New documents available

## ■ IDS life

- Governing Board
- DOI
- Next events
- Forum

# Data

## ■ Data and auxiliary data available at IDS for the new missions:

### **HY2-C:** from September 2020

- RINEX, CNES orbits (Data Centers)
- Maneuvers and mass files (CB ftp)

### **Sentinel 6A:** from December 2020

- RINEX, CNES orbits (Data Centers)
- Maneuvers and mass files (CB ftp)
- Quaternions: still under validation at CNES

## ■ NRT (< 3h) RINEX and DIODE orbit products for Jason-3 available at IGN since February.

Evaluation in progress by WG NRT data before the availability of NRT products is extended to other missions and to both IDS DC.

## ■ Envisat and Jason2 orbits in POE-F standard at IDS DCs

(NB: POE-F standards for the CS2, SRL, JA3, S3A, S3B, H2C, S6A)

# Documents

## ■ Space segment:

- New version of the document [DORIS satellites models implemented in POE processing](#) (+H2C&S6A)
- [HY-2C input data for Precise Orbit Determination](#)
- [Sentinel-6A POD context](#)
- [Mass and gravity center initial values](#) recommended by IDS

+ link to S6A reflector information from ILRS

[https://ilrs.gsfc.nasa.gov/missions/satellite\\_missions/current\\_missions/sn6a\\_general.html](https://ilrs.gsfc.nasa.gov/missions/satellite_missions/current_missions/sn6a_general.html)

## ■ Ground segment

New version of the document describing the [radio-frequency characteristics of the DORIS beacon](#)

Updated version of the document [Modelling of the ground beacons and ground antennas](#)

- Updated version of the document [IDS data structure and formats](#)
- VTS video in preparation for HY-2C and Sentinel-6A

# Governing Board



In accordance with the Terms of Reference of the IDS, three positions in the IDS Governing Board had to be renewed for the period 2021-2024.

The members elected by the IDS Associates are the following:

- Analysis Centers' Representative: **Frank Lemoine** (NASA – Goddard Space Flight Center, USA)
- Data Centers' Representative: **Patrick Michael** (NASA – Goddard Space Flight Center, USA)
- Member-at-large: **Karine Le Bail** (Chalmers University of Technology, Sweden)

We also welcome **Tonie van Dam** (IERS Directing Board Chair) as the new IERS Representative to the IDS GB.

**Denise Dettmering** remains an ex officio member of the IDS GB, in the role of Chair of the IDS Working Group on Near Real Time Data.

The members of the new Governing Board elected **Frank Lemoine chairman for 2021-2024.**

# DOI

In the context of ITRF2020 and the DORIS special issue, we believe it is essential that IDS key products be properly identified by DOIs.

## Reminder: **elements needed to assign a DOI to an object**

- **metadata** describing the object (mandatory: title, creators, publisher, publication year, resource type)
- the URL of a **landing page** related to the object (with description and access)
- a persistent identifier **DOI** provided by a DataCite' member (ex: CNES, NASA, ESA, GFZ, ...)

An **IDS committee** was set up in January with Guilhem (Combination center), Pat (CDDIS DC), Jérôme (IGN DC), Frank (Analysis Centers' rep.) and led by Laurent (Central Bureau)

Objectives: Identify the needs (papers for DORIS special issue, justification to the institutions, ...)

Define the objects: Type (data, product, documentation, report, presentation...), Granularity ( collection of objects (ex: orbits), producer (ex: ssa), mission (ex: ja3), ...)

Prioritize according the needs: Ex: IDS2020, contributing AC sinex series, models used, ...

→ **ACs will be contacted to determine their ability to assign DOIs to their products and identify their needs.**

→ **Products derived from the analysis for ITRF2020: availability (SINEX series, sp3 orbits, ...)?**

# Next events



## IDS

- **IDS Workshop, Venice, Italy, 18-20 October 2021**
  - In-person meeting in conjunction with OSTST meeting (18-22 oct.) + Forum
  - Keydates, registration: <https://ostst-altimetry-2021.com/>
  
- **DORIS Day: still to be defined (2<sup>nd</sup> semester or 2022)**

## Others:

- **EGU 19–30 April 2021** <https://egu21.eu/> (virtual conference)
  
- **IAG Scientific Assembly** virtual meeting (Beijing on June 28–July 2, 2021)  
<http://www.iag2021.com> (abstract submission deadline: April 30)
  
- **UAW 5-8 October 2021, in Munich; hybrid meeting** (in-person and online)

IDS representatives will attend the meeting

...

# Forum for the IDS Workshop



A forum will be set up for the IDS Workshop in addition to the live sessions

Ex: Frank's presentation in POD session of OSTST2020

The format is different:

- Sub-forums = sessions
- Topics = presentations
- Abstract and presentation online
- Q&A to the author

Already used for:

- OSTST meeting 2020
- CFOSAT ST meeting 2021

In preparation for:

- OSTST meeting 2021
- IDS Workshop 2021

HOME FORUM OSTST FORUMS

**FORUMS**

Std2006: An improved orbit time series for the TOPEX and Jason missions from 1992-2020 - Frank Lemoine

OSTST 2020 / Precision Orbit Determination / Std2006: An improved orbit time series f...

Abstract Presentation

Frank, is the new GSFC 5x5 model (tvg0075) available somewhere?  
And how does it compare to GRACE tvg?

Sean Bruinsma - CNES

21. 10. 2020, 08:42 [Quote](#) [Report](#) [Edit](#) [Delete](#)

Dear Frank,

Thank you for the huge reprocessing efforts (especially for the 18-satellite TVG solution!) made to further homogenize NASA/GSFC precise orbits from T/P to Jason-3. The improvements you show are more than rewarding.

On your slide 2, you refer to a tuning of the "SA+, X-" surfaces of the satellites. Does it concern all the altimeter satellites or some of them in particular? Did you notice inconsistencies with respect to the SRP models available here: [/ftp.ids-doris.org/pub/ids/satellites/DORISSatelliteModels.pdf](ftp.ids-doris.org/pub/ids/satellites/DORISSatelliteModels.pdf) rel="nofollow">ftp/ftp.ids-doris.org/pub/ids/satellites/DORISSatelliteModels.pdf ?

Best regards,  
Alexandre

Alexandre Couhert - CNES

22. 10. 2020, 15:24 [Quote](#) [Report](#) [Edit](#) [Delete](#)

Dear Frank,  
Thank you for the presentation.

On slide 2 you mention "old" and "new" TSI for the two different solutions. Are you using constant or daily changing TSI values in your processing?

Thanks,  
Heike

Heike Peter - PosiTim

23. 10. 2020, 06:50 [Quote](#) [Report](#) [Edit](#) [Delete](#)

[Back](#) [Ask a Question](#) [Notification](#)

**YOU ARE LOGGED**

Email address : lsoudarwin@groupclcs.com

Logout

# Forum for the AWG



A space for discussion and sharing of results and information is being prepared: <https://idsawg.avisos.altimetry.fr/>

- a dedicated forum on the Meeting web service of Aviso
- authenticated access; WG members only (+ invited persons if any)

➤ organize the subforums by theme

➤ store and track exchanges

➤ upload documents

➤ notifications

The screenshot displays the forum interface for SWOT ST. At the top, there is a header with the AVISO+ logo and navigation links: HOME, HOW TO ACCESS THE FORUM, and HOW TO USE THE FORUM. Below this, the main content area is titled 'SWOT ST' and includes a sub-menu: HOME, SWOT-ST FORUM, and FORUMS. A 'YOU ARE LOGGED' notification shows the email address 'lsoudarin@groupclis.com' and a 'Logout' button. To the right, a 'SIGN IN' form is visible with fields for 'Email address' and 'Password', a 'Sign In' button, and a 'Forgot your password?' link. Below the navigation, a 'FORUMS' section is shown, including a 'SWOT Forum' link and a 'Subforums' table.

Subforums	Sessions	Presentations	Posts	Last post
SWOT Science Team Meetings	17	17	18.02.2021 09:47 by Vinca Rosmorduc	
SWOT general information	2	4	08.02.2021 19:01 by Vinca Rosmorduc	
SWOT Hydrology: River Science	1	0		
SWOT Hydrology: Discharge Algorithms	1	1	09.02.2021 15:31 by Michael Durand	
SWOT Hydrology: Lakes/Wetlands	1	1	25.02.2021 00:44 by Jida	

Forum of SWOST ST WGs



The presentations of the AWG meeting will be available on IDS web:  
**IDS > Documentation > Meeting presentations > IDS AWG 04-2021**

**Web: [ids-doris.org](http://ids-doris.org)**

**Contact: [ids.central.bureau@ids-doris.org](mailto:ids.central.bureau@ids-doris.org)**



# IDS activity report 2019-2021



- The report is not ready
- Many contributions are missing