DORIS CURRENT MISSIONS

Today 7 satellites / 14 missions have contributed to IDS since 1990

- **SENTINEL 3B (GMES)**: 814km, 98.6°  
  April 25th 2018 ➔ 2026 (DGXXS+LRA+GPS)
- **SENTINEL 3A (GMES)**: 814km, 98.6°  
  Feb. 16th 2016 ➔ 2024 (DGXXS+LRA+GPS)
- **JASON3** (Eumetsat/NOAA/NASA/CNES): 1336 km, 66°  
  January 17th 2016 ➔ 2022(DGXXS+LRA+GPS)
- **SARAL (CNES/ISRO)**: 800km, 98.5°  
  February 2013 ➔ end 2021 (DGXX+LRA)
- **HY2-A (CNSA, NSOAS)**: 960km, 99°  
  August 2011 ➔ 2019+ (DGXX+LRA+GPS)
- **CRYOSAT-2 (ESA)**: 717 km, 92°  
  April 2010 ➔ end 2020 (DGXX + LRA)
- **JASON2** (Eumetsat/NOAA/NASA/CNES): 1336 km, 66°  
  June 2008 ➔ 2019 (DGXX+LRA+GPS)
Future missions (...up to 2032)

- **HY2-C (NSOAS)**: 958km  
  DORIS DGXX-S with USO NG\(^{(1)}\)  
  December 2019

- **HY2-D**  
  DORIS DGXX-S with mini USO NG\(^{(2)}\)  
  October 2020

- **HY2E-F-G-H**: (DORIS not confirmed)

- **Sentinel 3C, 3D (ESA/Eumetsat/CNES)**: 814km  
  DORIS DGXX-S with mini USO\(^{(2)}\)  
  Dec 2024, 2025 (7 years)

- **JASON-CSA&B/ SENTINEL 6A, 6B**: 1336km  
  (ESA/Eumetsat/EU/Cnes/Noaa/Nasa)  
  DORIS DGXX-S with mini USO\(^{(2)}\)  
  Oct. 2020, 2025 (7 years)

- **SWOT (Cnes/Nasa/CSA/UKSA)**: 970km, 78°  
  DORIS DGXX-S with USO NG\(^{(1)}\)  
  2021 (3 years)

\(^{(1)}\): DGXX-S with USO NG: same USO as Ja2/3, Cs2, Srl, HY2A, S3a/b

\(^{(2)}\): DGXX-S with mini USO: new USO: same specs, smaller, new components.
DORIS missions contributing to IDS

Past missions
Current missions
Future missions agreed/nominal lifetime
Future missions pending approval

On board instruments:
D1, D2, DX, DXs: DORIS/versions, S:SLR, G:GNSS
Beacon B4G deployment / STAREC D antenna

- **B4G deployment:**
  - April 2019: start of beacons B4G deliveries
  - 2019: 20 B4G will be delivered,
  - 2020: 25 or 24 beacons
  - 2021: 24 or 25 beacons

- 3 B4G already installed:
  - pre-series B4G in Grasse, after some qualification tests, station operational since August.
  - St Johns (mid-June)
  - Ponta Delgada (end of July)

- next: by the end of 2019:
  - St Helene
  - Crozet,
  - Greenbelt

- **STAREC D:** st johns since mid-June: phase law and documentation on line
Service International DORIS
http://ids-doris.org
www.cnies.fr