



# DORIS CONSTELLATION

*IDS AWG meeting, Paris, France*

*May 23, 2011*



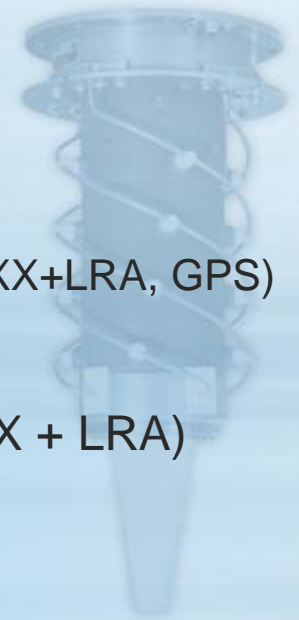
# DORIS constellation status – current missions

- **CRYOSAT-2 (ESA):** 717 km, 92°      April 8, 2010 → end 2013, (DGXX + LRA)
- **JASON-2 (CNES/NASA):** 1336 km, 66°      June 2008 → end 2013, (DGXX+LRA+GPS)
- **ENVISAT (ESA):** 800 km, 98.5°      March 2002 → 2013, (D2GM + LRA)
- **SPOT5 (CNES):** 830 km, 98°      May 2002 → 2015 (D2GM only)
- **JASON-1 (CNES/NASA)** 1336 km, 66°      Dec 2001 → 2012 ( D2G+LRA+GPS)  
may be extended until December 2013
- **SPOT4 (CNES):** 830 km, 98°      March 98 → 2012



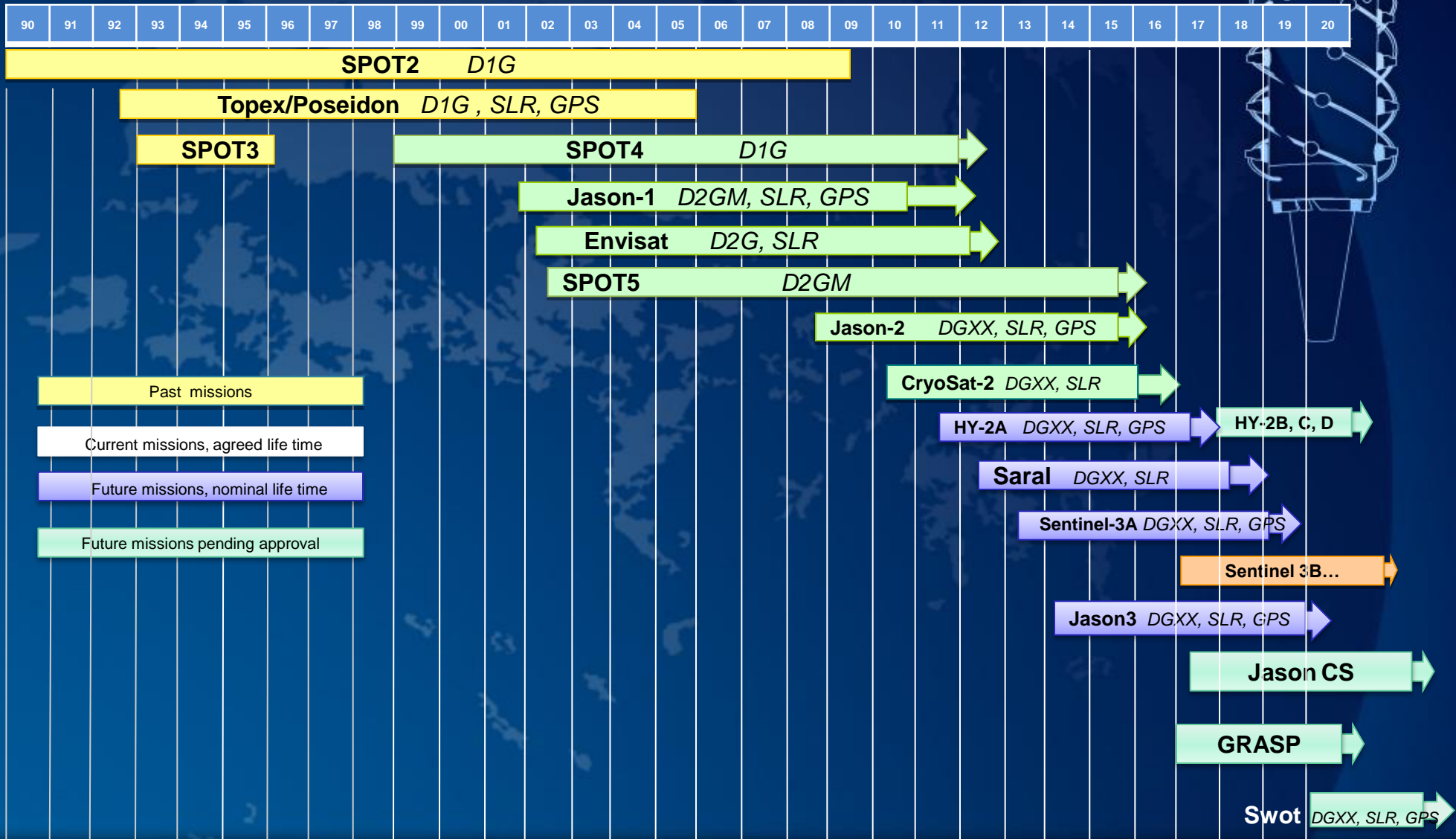
# DORIS Constellation Status - Future Missions

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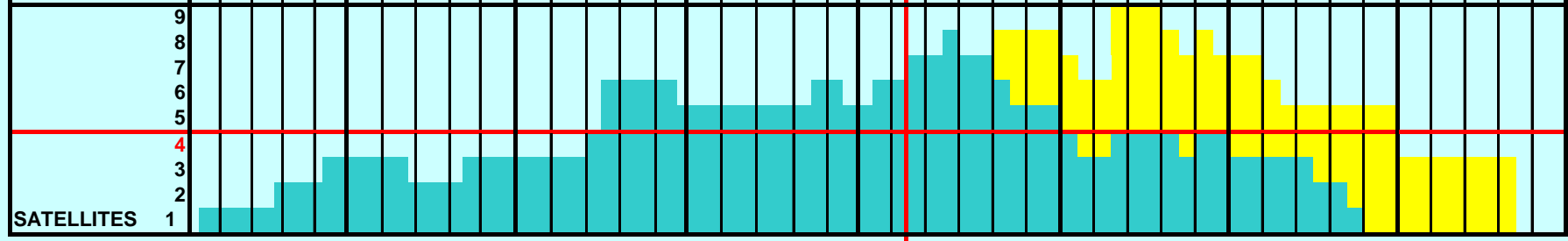
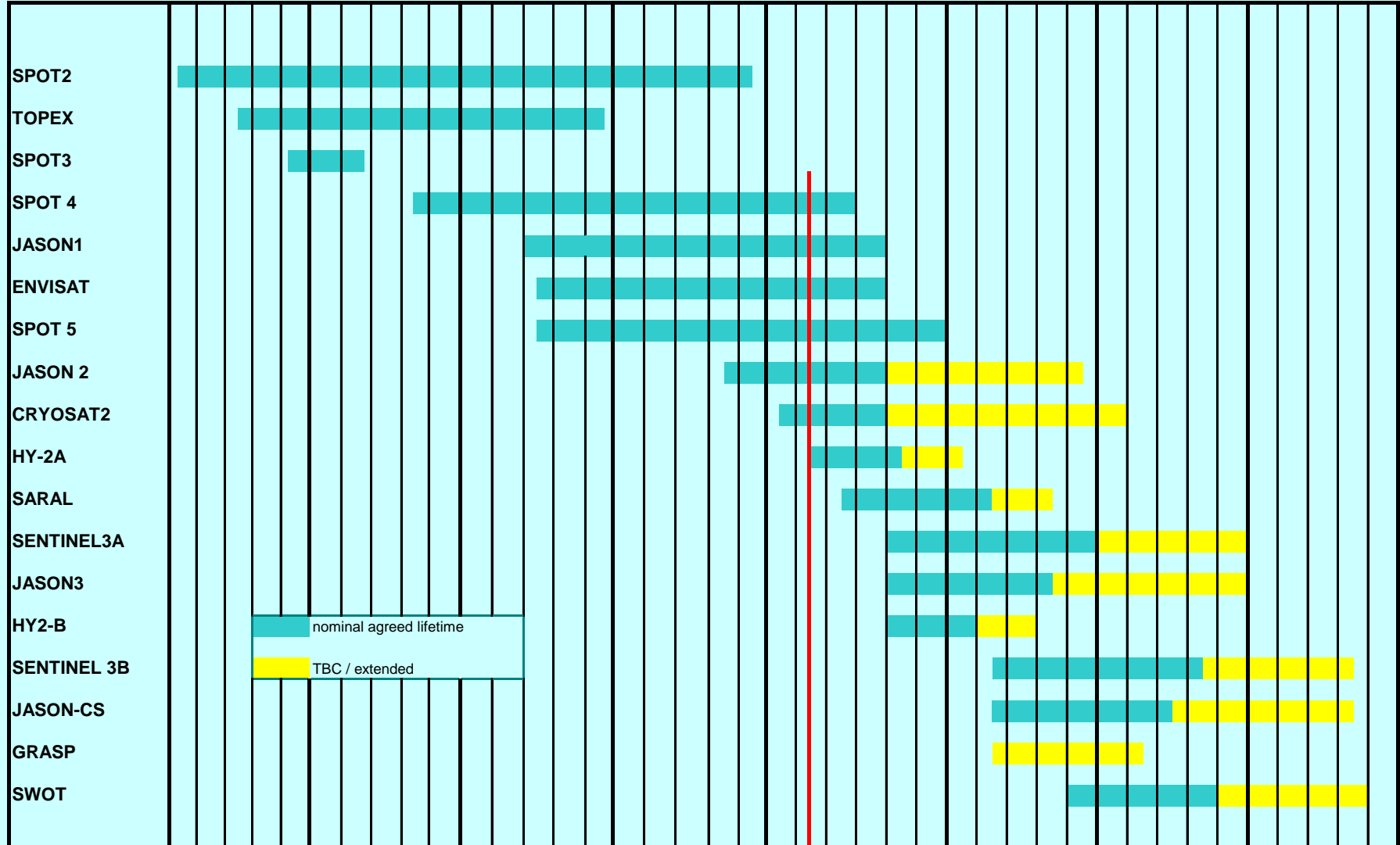


- **HY2A (CNSA)** : 963km, 99.3° July, 25 2011, (3 years), (DGXX+LRA, GPS)  
... then HY2B, 2C, 2D...
  
- **SARAL/ALTI-KA (ISRO)** : 800km, 98.5° mid 2012, ( 5 years), (DGXX + LRA)
  - Launcher: PSLV (India), two launches after Megatropic
  
- **SENTINEL3A (GMES)** : 814km, 98.6° Nov. 2013, (7 years),(DGXX+LRA+GPS),  
2017(TBC)
  - Sentinel 3B:
  
- **JASON-3 (Eumetsat/NOAA/CNES)** : 1336 km, 66° 2014 (DGXX+LRA+GPS),
  
- **GRASP (JPL) TBC:** 1300 - 2000 km, 102 -105° 2016-2017 (DGXX, LRA, GPS, VLBI)
  
- **JASON-CS\* (Eumetsat/ESA/CNES)** : 1336 km, 66° 2017
  
- **SWOT\* (NASA/CNES)** : 970km, 78° 2020 (DGXX+LRA+GPS),

# DORIS constellation summary



1990 1995 2000 2005 2010 2015 2020 2025 2030



june 2011