



DORIS Ground Network: Update

*International
DORIS
Service*



- 1. Survey and site reconnaissance at Riyadh completed March 2009.**
- 2. Site recon. Completed for Tamanrasset (Algeria).**
- 3. Still searching for new station site in Alaska; candidate site is Cold Bay (Fairbanks building housing DORIS slated for demolition in 2010).**
- 4. Total 57 beacons; 3 Russian unavailable to be finally replaced soon.**
- 5. Beacons version 3.2 to be available by 2010; 200 m cable length.**



Satellite Segment Update

*International
DORIS
Service*

Active Satellites:

SPOT2 (to be decommissioned 2009 after 19 yrs);

SPOT4, SPOT5 (to continue until 2012 and 2017)

ENVISAT (to continue until 2012)

JASON2 (Launched in 2008)

JASON1 (Data not used for ITRF due to radiation sensitivity of DORIS USO)

SENTINAL 3A (ESA Altimetry mission, Follow-on to ENVISAT, 2012-3)

Future Satellites

CRYOSAT-2 (Launch set for late 2009)

SARAL/ALTIKA (ISRO/CNES; Launch set for 2010)

HY-2A (CSA/CNES)

JASON-3 (Launch 2013?); SWOT (2016)

**MINIMUM 4-5 SATELLITES ASSURED THROUGH MIDDLE OF
NEXT DECADE**



Satellite Segment Update

*International
DORIS
Service*

Active Satellites:

SPOT2 (to be decommissioned 2009 after 19 yrs);

SPOT4, SPOT5 (to continue until 2012 and 2017)

ENVISAT (to continue until 2012)

JASON2 (Launched in 2008)

JASON1 (Data not used for ITRF due to radiation sensitivity of DORIS USO)

SENTINAL 3A (ESA Altimetry mission, Followon to ENVISAT, 2012-3)

Future Satellites

CRYOSAT-2 (Launch set for late 2009)

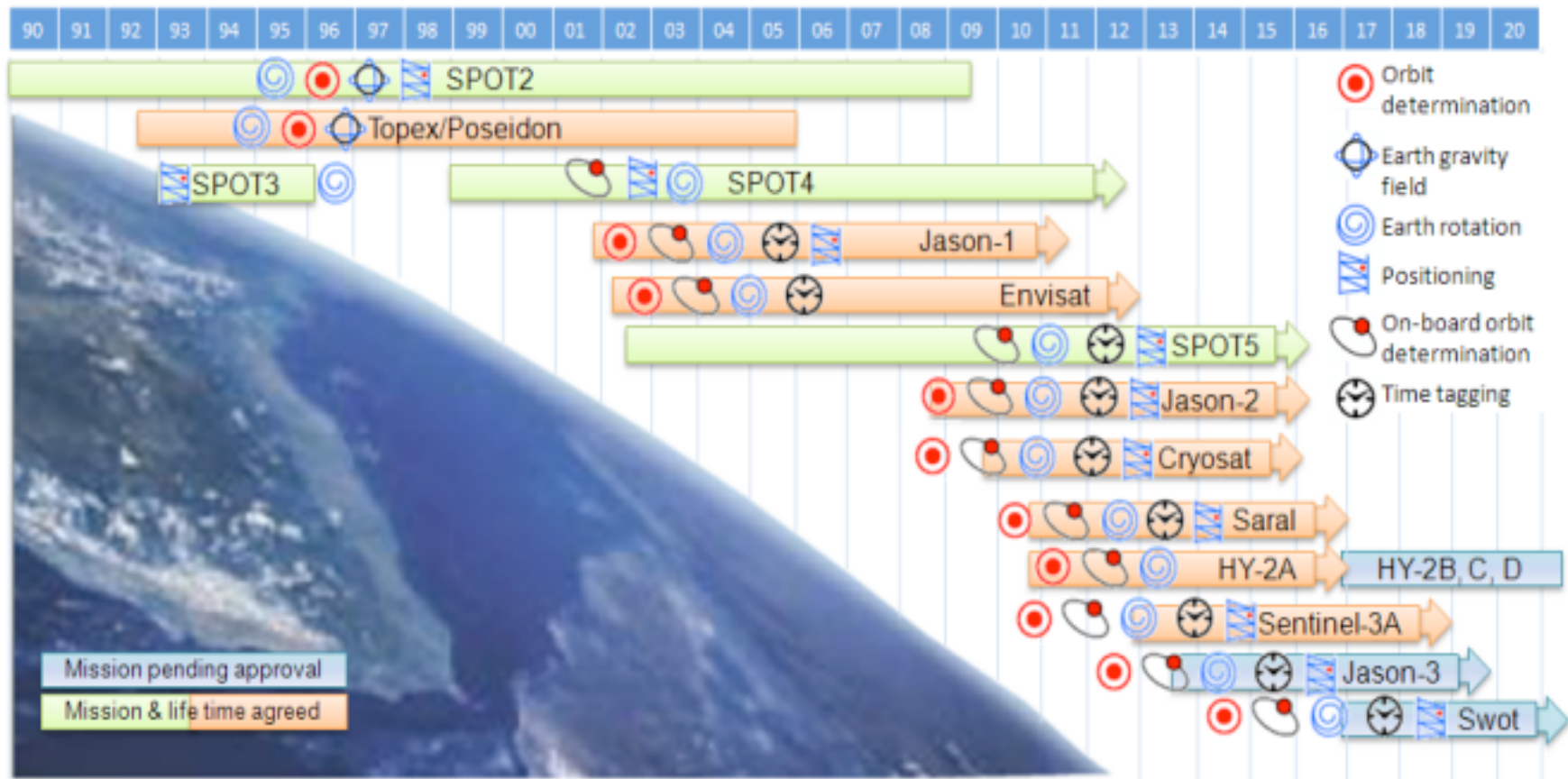
SARAL/ALTIKA (ISRO/CNES; Launch set for 2010)

HY-2A (CSA/CNES)

JASON-3 (Launch 2013?); SWOT (2016)

**MINIMUM 4-5 SATELLITES ASSURED THROUGH MIDDLE OF
NEXT DECADE**

IDS Tomorrow: Satellite Status



IDS Analysis Centers

Contributed to ITRF2005 & ITRF2008

IGN: **Pascal Willis**, (Gipsy, 1993-2008)

LCA: **Laurent Soudarin**, (GINS, 1993-2008)

INA: **Sergei Kuzin**, (Gipsy, 1993-2008)

Contributed to ITRF2008 (New Analysis Centers)

GOP: Geodetic Observatory Pecny, **Petr Stepanek**, (Bernese, 1993-2008)

ESA: ESOC, **Michiel Otten**, (NAPEOS, 1993-2008)

GAU: Geoscience Australia, **Ramesh Govind**, (GEODYN, 2002-2008)

GSC: NASA GSFC, **Karine Le Bail & Frank Lemoine**, (GEODYN, 1992-2008)

Candidate Analysis Centers

NCL: University of Newcastle, **Phil. Moore**

New DORIS Special Issue

- **Advances in Space Research.**
- **Guest editor Pascal Willis (email: willis@ipgp.jussieu.fr).**
- **Submissions open March-June 2009.**
- **Submissions through Elsevier website**
<http://ees.elsevier.com/asr/default.asp>
- **Topics: DORIS Analysis issues, AC submissions to ITRF2008, comparisons and analysis with other techniques; Jason-2/Jason-1 Tandem mission analyses & calibrations;**
- **Contact the editor for any questions.**
- **See DORISMAIL 0587 (March 1, 2009) for more information.**

NEW IDS Governing Board

DORISMAIL 0590 (March 16, 2009)

Chairperson: Pascal Willis (IGN/IPGP)

Data Centers Representative: Carey Noll (NASA/GSFC)

Analysis Coordinator: Frank Lemoine (NASA/GSFC)

Network Representative: Herve Fagard (IGN)

Member at Large: John Ries (UT/CSR)

Member at Large: Pascale Ferrage (CNES)

Director of the Central Bureau: Laurent Soudarin (CLS)

IAG Representative: Michiel Otten (ESA)

IERS Representative: TBD

Thank you for your attention!



GGOS Networks Working Group Meeting, Vienna, Austria, April 22, 2009