

# The International DORIS Service: status report

**G. Tavernier (CNES)**

**H. Fagard (IGN)**

**F. Lemoine (NASA/GSFC)**

**C. Noll (NASA/GSFC)**

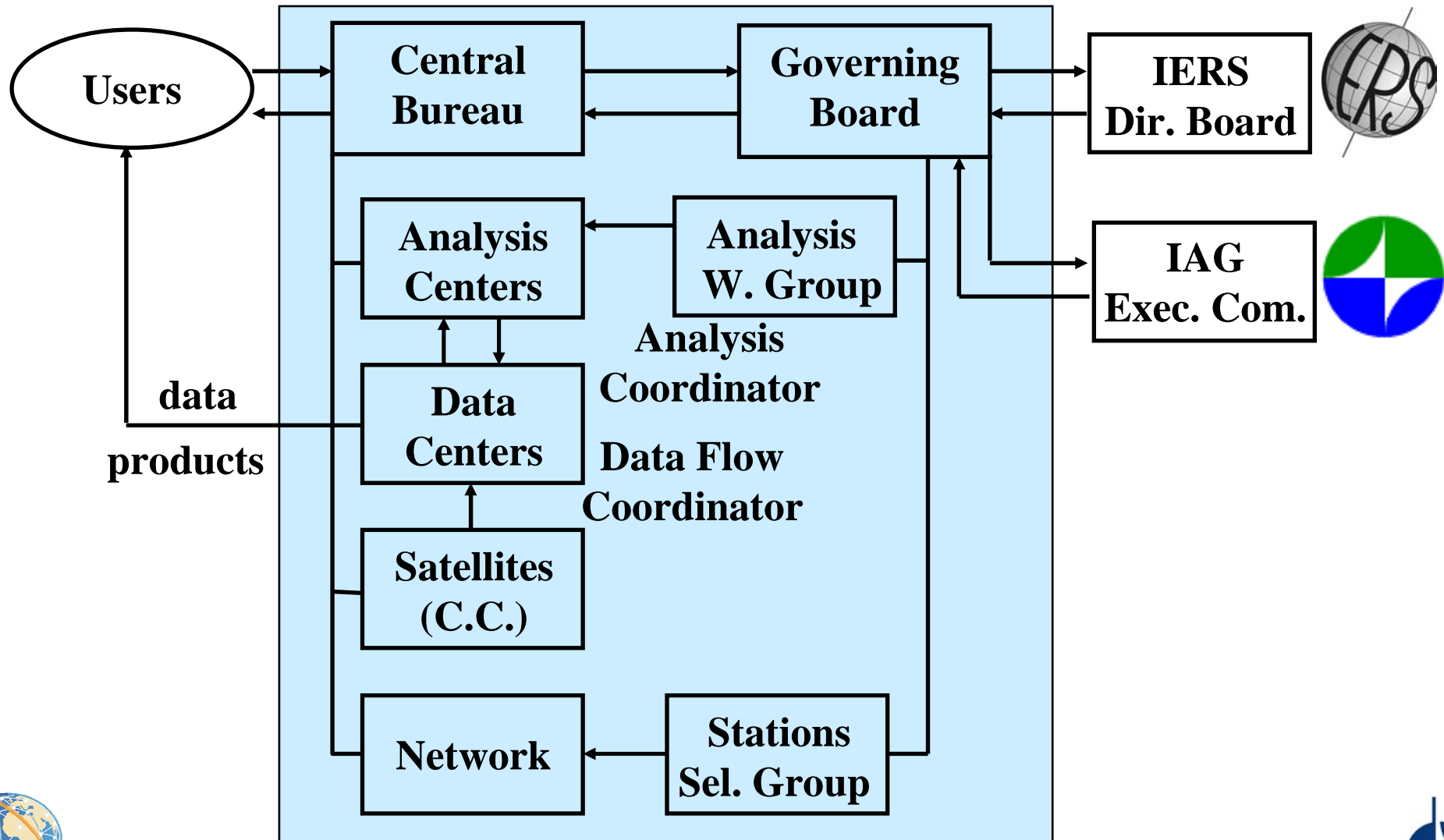
**R. Noomen (Delft University of Technology)**

**J. Ries (UTEX/CSR)**

**L. Soudarin (CLS)**

**P. Willis (IGN/JPL)**

# IDS structure



# IDS Governing Board

- ➔ **Gilles Tavernier**      **CNES**      **Chairperson**
- ➔ **Hervé Fagard**      **IGN**      **Network representative**
- ➔ **Frank Lemoine**      **NASA GSFC**      **Analysis coordinator**
- ➔ **Carey Noll**      **NASA GSFC**      **Data Flow coordinator**
- ➔ **Ron Noomen**      **Delft UT**      **Representative of the IERS**
- ➔ **John Ries**      **UTEX CSR**      **Member at large**
- ➔ **Laurent Soudarin**      **CLS**      **Director of the Central Bureau**
- ➔ **Pascal Willis**      **IGN / JPL**
- ➔ **TBD**      **Representative of the IAG**

# IDS Governing Board election

- ➔ **IDS Governing Board to be renewed**
  - <http://ids.cls.fr/html/organization/tor.html>
  - 2009-2012 term
  
- ➔ **3 Appointed members**
  - IAG & IERS representatives, CB director
  
- ➔ **2 members elected by the IDS associates**
  - Analysis Centers and Data Centers representatives
  - [http://ids.cls.fr/html/organization/associate\\_members.html](http://ids.cls.fr/html/organization/associate_members.html)
  - Submit changes proposals (adding a name, or deleting a name) to the Central Bureau
  - nominating committee: G. Tavernier, J. Ray, xxx
  
- ➔ **4 members elected by the current GB from a list submitted by the CB**
  - Network representative, Analysis Coordination
  - 2 members at large



# IDS Central Bureau

## ➔ CNES/IGN/CLS

- Pascale Ferrage, Gilles Tavernier
- Laurent Soudarin, Jean-Jacques Valette
- Hervé Fagard, Pascal Willis

## ➔ Website :

- <http://ids.cls.fr>

## ➔ IDS Mails

- DORIS Mails <http://listes.cls.fr/www/arc/dorismail>
- DORIS Reports <http://listes.cls.fr/www/arc/dorisreport>
- Analysis Forum <http://listes.cls.fr/www/arc/ids.analysis.forum>
- IDS Analysis Working Group



**INTERNATIONAL  
DORIS  
SERVICE**

# New Web site (February 2007)

International  
**DORIS**  
Service

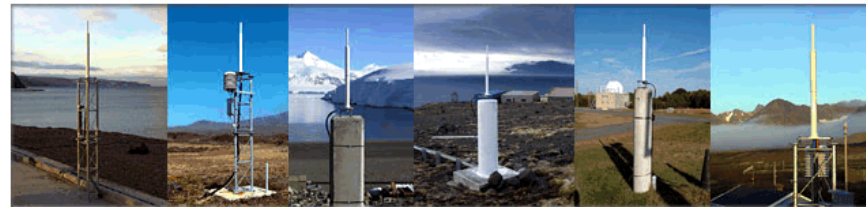
Search for...

| Site map | FAQ | Mails | Bibliography |  
| Sitelogs | System events | MOE statistics | POE statistics | Time series |

Printable version

| What's new on IDS | What's new on DORIS |

- | Home | Site map | FAQ |
- IDS
- ▣ Organization
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- ▣ DORIS system
- ▣ Official web site
- ▣ Network
- ▣ System monitoring
- ▣ Analysis coordination
- ▣ Presentation
- ▣ Documents
- ▣ DORIS related events
- ▣ Discussion
- ▣ Software



**Acknowledge IDS:**  
Whenever your use of IDS data or products results in a publication, please include a proper [citation](#).

[Jason-2 successfully launched!](#)

[IDS Workshop 2008](#) - First announcement & call for contributions

Presentations of the DORIS Analysis Working Group Meeting in Paris, [March 2008](#) and [June 2008](#)

[DORIS](#) is a Doppler satellite tracking system developed for precise orbit determination and precise ground location. It is onboard the Jason-1 and ENVISAT altimetric satellites and the remote sensing satellites SPOT-2, SPOT-4 and SPOT-5. It also flew with SPOT-3 and TOPEX/POSEIDON.

[IDS](#) is an international service which provides a support, through DORIS data and products, to geodetic, geophysical, and other research and operational activities. New proposals for Analysis Centers and temporary or permanent DORIS stations are welcome. See the [call for participation](#).

This site is composed of three parts:

"IDS" describes the organization of the service and includes documents, access to the data and products, event announcements, contacts and links.

"DORIS" allows to access general description of the system, and gives information about the system events and the tracking network.

"Analysis Coordination" provides information and discussion areas about the analysis strategies and models used in the IDS products. It is maintained by the [Analysis Coordinator](#) with the support of the Central Bureau.

You may come back at any time to the Home Page by clicking on the IDS logo at the left upper top.



# New Web site (February 2007)



**International  
DORIS  
Service**

[Site map](#) | [FAQ](#) | [Mails](#) | [Bibliography](#) |  
[Sitelogs](#) | [System events](#) | [MOE statistics](#) | [POE statistics](#) | [Time series](#) |

[DORIS system](#) > [Network](#) > [Network on Google Earth](#)
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[What's new on IDS](#) | [What's new on DORIS](#) |

## Network on Google Earth

Make a virtual tour of the DORIS network with [Google Earth](#). 

**DORIS network on Google Earth:**  
 [Download the file](#) (June 2007).

Depending on the resolution of the image, we sometimes adjusted the position of the antenna of the station according to our knowledge of the site. Some positions could still be improved with your help. Comments, maps and pictures are welcome at any time to help us to improve the virtual tour and should be e-mailed to the [Central Bureau](#).





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# Web site update (January 2008)

**International  
DORIS  
Service**

| Site map | FAQ | Mails | Bibliography |
| Sitelogs | System events | MOE statistics | POE statistics | Time series |

DORIS system > System monitoring > CNES POD POE statistics
Printable version

[| What's new on IDS](#) | [What's new on DORIS](#) |

## DORIS statistics CNES/SOD POE orbits

The PDF files available in the following tables show plots of station statistics from the CNES POE routine processing:  
 -RMS residuals for DORIS in mm/s per arc (red dots),  
 -number of DORIS measurements per arc: total (light blue columns) and validated (superimposed dark blue columns).  
[See the description of POE processing](#) for the definition of the arcs.

Each file covers one year. Two types of plots are available.  
 Satellites table: plots of all the stations for each satellite.  
 Stations table: plots of all the satellites for each station.

Stations of the current network can also be selected via the map.

### Statistics per satellite

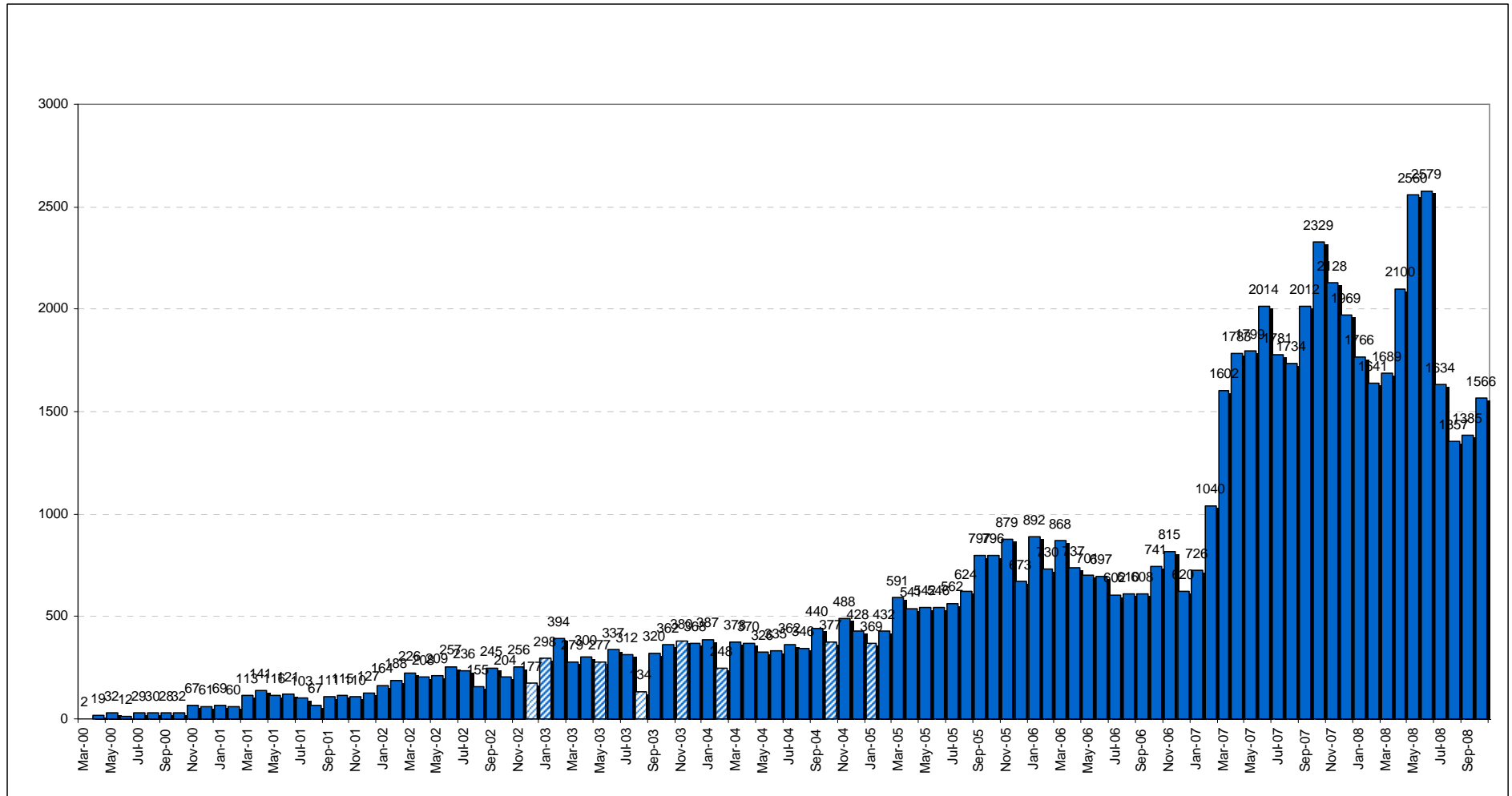
SPOT2	<a href="#">2008</a>	<a href="#">2007</a>	<a href="#">2006</a>	<a href="#">2005</a>	<a href="#">2004</a>	<a href="#">2003</a>	<a href="#">2002</a>	<a href="#">2001</a>	<a href="#">2000</a>	<a href="#">1999</a>	<a href="#">1998</a>	<a href="#">1997</a>	<a href="#">1996</a>	SPOT2
TOPEX					<a href="#">2004</a>	<a href="#">2003</a>	<a href="#">2002</a>	<a href="#">2001</a>	<a href="#">2000</a>	<a href="#">1999</a>	<a href="#">1998</a>	<a href="#">1997</a>	<a href="#">1996</a>	TOPEX
SPOT4	<a href="#">2008</a>	<a href="#">2007</a>	<a href="#">2006</a>	<a href="#">2005</a>	<a href="#">2004</a>	<a href="#">2003</a>	<a href="#">2002</a>	<a href="#">2001</a>	<a href="#">2000</a>	<a href="#">1999</a>	<a href="#">1998</a>			SPOT4
JASON	<a href="#">2008</a>	<a href="#">2007</a>	<a href="#">2006</a>	<a href="#">2005</a>	<a href="#">2004</a>	<a href="#">2003</a>	<a href="#">2002</a>	<a href="#">2001</a>						JASON
ENVISAT	<a href="#">2008</a>	<a href="#">2007</a>	<a href="#">2006</a>	<a href="#">2005</a>	<a href="#">2004</a>	<a href="#">2003</a>	<a href="#">2002</a>							ENVISAT
SPOT5	<a href="#">2008</a>	<a href="#">2007</a>	<a href="#">2006</a>	<a href="#">2005</a>	<a href="#">2004</a>	<a href="#">2003</a>	<a href="#">2002</a>							SPOT5

### Statistics per station





# New Web site



# Data flow coordination

## Data Centers

➔ **Data flow coordination : Carey Noll**      **NASA GSFC**

➔ **Data Centers :**

- ◆ preprocessed DORIS measurements from 8 satellites (6 still active)
- ◆ ancillary data
- ◆ Analysis Centers products

● **NASA GSFC CDDIS - USA**

- ◆ [http://cddis.gsfc.nasa.gov/doris\\_summary.html](http://cddis.gsfc.nasa.gov/doris_summary.html)
- ◆ <ftp://cddis.gsfc.nasa.gov/pub/doris/>

Carey Noll



● **IGN LAREG - France**

- ◆ <ftp://lareg.ensg.ign.fr/pub/doris/>

Bruno Garayt



# DORIS ARCHIVE CONTENT

Satellite	Time Span
TOPEX/Poseidon	25-Sep-1992 through 01-Nov-2004
SPOT-2	31-Mar through 04-Jul-1990 04-Nov-1992 through present
SPOT-3	01-Feb-1994 through 09-Nov-1996
SPOT-4	01-May-1998 through present
SPOT-5	11-Jun-2002 through present
Jason-1	15-Jan-2002 through present
ENVISAT	13-Jun-2002 through present
Jason-2	12-Jul-2008 through present

# IDS Meetings

- ➔ **IDS Workshop, Venice, March 13-15, 2006**
  - <http://ids.cls.fr/html/events/IDS2006>
  
- ➔ **DORIS Analysis Working Group Meeting, Paris, 13-14 March 2008**
  - <http://ids.cls.fr/html/report/meetings/AWG200803.html>
  
- ➔ **DORIS Analysis Working Group Meeting, Paris, 5-6 June 2008**
  - <http://ids.cls.fr/html/report/meetings/AWG200806.html>
  
- ➔ **IDS Workshop, Nice, November 12-14, 2006**

# IDS Workshop

## ➔ Scientific committee

- F. Lemoine (chair)
- H. Fagard
- C. Noll
- J. Ries
- L. Soudarin
- G. Tavernier
- J.-J. Valette
- P. Willis
- R. Noomen

# DORIS Special Issue

- ➔ **DORIS Special Issue, P. Willis (Ed.), Journal of Geodesy 2006**
  - 17 papers
  
- ➔ **DORIS Special Issue, Advances in Space Research 2009**
  - DORISMail 554 (October 2nd 2008)
  - Guest Editor: Pascal Willis (willis@ipgp.jussieu.fr)
  - Call for Participation in Space Research Today (December issue)
  - Official call for manuscript submission: February 2009
  - Manuscripts should be submitted between March and May 2009
  - Submission of manuscripts using the current JASR Web site <http://ees.elsevier.com/asr/>
  - Review process: June - October 2009
  - Publication of the full Special Issue by Elsevier: Dec. 2009 – Febr. 2010

# IDS Analysis coordination

- ➔ **Analysis coordination : Frank Lemoine    NASA/GSFC**
  - Analysis coordination page:  
[http://ids.cls.fr/html/analysis\\_coord/presentation.html](http://ids.cls.fr/html/analysis_coord/presentation.html)
  
- ➔ **DPOD2005 (P. Willis & al.)**
  - <http://www.ipgp.jussieu.fr/~willis/DPOD2005.htm>
  
- ➔ **On the way to ITRF2008**
  - 2 DORIS Analysis Working Group Meetings in Paris (March and June)
  - From 2 (ITRF2005) ... to up to 8 (ITRF2008) Analysis Centers
  - IDS combination (CATREF)

➔ **Presentation:**

## **DORIS Inter-Center Analyses and comparisons for ITRF2008**

Observing and Forecasting the Ocean

IDS Analysis Workshop  
Nice – 12-14 November 2008    15

