
IDS Workshop

Steigenberger Inselhotel, Lake Constance, Germany

Monday, October 27 2014 - Tuesday, October 28 2014

Event's program

List of event's sessions

- [IDS processing for ITRF2013](#)
(Monday, October 27 2014, 09:00 - 12:00)
- [Network and constellation: status and evolution](#)
(Monday, October 27 2014, 14:00 - 15:45)
- [New DORIS missions, applications, and products](#)
(Monday, October 27 2014, 16:15 - 17:30)
- [Precise orbit modeling and Precise Orbit Determination](#)
(Tuesday, October 28 2014, 14:00 - 15:45)
- [Governing Board Meeting](#)
(Tuesday, October 28 2014, 16:15 - 17:30)
- [Posters](#)
(Monday, October 27 2014 - Tuesday, October 28 2014)

Monday, October 27

08:00 - 09:00 Registration and Presentation upload

IDS processing for ITRF2013

Blue salon

Mon, Oct 27 2014, 09:00 - 12:00

Session Chairs: P. Willis, C. Tourain

- 09:30 - 09:45** [IDS ITRF2013 activities at the European Space Operation Centre](#)
Michiel Otten (ESA/ESOC), Werner Enderle (ESA/ESOC)
- 09:45 - 10:00** [DORIS data analyses at Geodetic Observatory Pecny](#)
Petr Stepanek (Geodetic Observatory Pecny, VUGTK),
- 10:00 - 10:15** [The development of the GSC DORIS contribution to ITRF2013](#)
Frank Lemoine (NASA GSFC), Douglas S. Chinn (SGT Inc.), Jennifer Beall (Emergent Space Technologies), Nikita P. Zelensky (SGT Inc.), Karine Le Bail (NVI Inc.)
- 10:15 - 10:30** [IGN analysis center report - Current status and future plans](#)
Pascal Willis (IGN/IPGP), Willy Bertiger (Jet Propulsion Laboratory), Shailen Desai (Jet Propulsion Laboratory)
- 10:30 - 11:00** **Coffee break**
- 11:00 - 11:15** [INA DORIS AC processing for ITRF2013](#)
Sergey Kuzin (Institute of Astronomy RAS, Russia), Souria Tatevian (Institute of Astronomy RAS)
- 11:15 - 11:30** [Reprocessing from CNES/CLS IDS Analysis Center for the contribution to the ITRF2013](#)
HUGUES CAPDEVILLE (CLS), laurent Soudarin (CLS), Jean-Michel Lemoine (CNES), Philippe Schaeffer (CLS)
- 11:30 - 11:50** [IDS contribution to ITRF2013](#)
Guilhem Moreaux (CLS), Frank Lemoine (NASA), Pascal Willis (IGN-IPGP), Hugues Capdeville (CLS), Michiel Otten (ESA), Petr Stepanek (Geodesy Observatory Pecny), Sergey Kuzin (affiliation), Pascale Ferrage (CNES)
- 11:50 - 12:10** [IDS contribution to the ITRF2013](#)
Zuheir ALTAMIMI (IGN), Laurent Metivier (IGN), Xavier Collilieux (IGN), Paul Rebischung (IGN)
- 12:10 - 12:30** [DTRF2013: Results of the analysis and impact of the contribution of the International DORIS Service](#)
Manuela Seitz (DGFI), Detlef Angermann (DGFI), Mathis Bloßfeld (DGFI)
- 12:30 - 14:00** **Lunch**

Network and constellation: status and evolution

Blue salon

Mon, Oct 27 2014, 14:00 - 15:45

Session Chairs: L. Soudarin, P. Stepanek

- 14:00 - 14:15** [DORIS system status and future missions](#)
Pascale FERRAGE (CNES), Cédric Tourain (CNES), Albert Auriol (CNES)
- 14:15 - 14:30** [DORIS Network 2014 Status Report](#)
Jérôme SAUNIER (IGN),
- 14:30 - 14:45** [DORIS future missions](#)
Cécile MANFREDI (CNES), Albert AURIOL (CNES)
- 14:45 - 15:00** [Doris STAREC ground antennas characterization and impact on localization.](#)
Cédric TOURAIN (CNES), Guilhem MOREAUX (CLS), Albert AURIOL (CNES)

- 15:00 - 15:15** [Ground Antenna Position: Initiating an Error Budget](#)
Jérôme SAUNIER (IGN), Cédric TOURAIN (CNES), Albert AURIOL (CNES)
- 15:15 - 15:30** [DORIS ground station network performance monitoring](#)
Cédric Tourain (CNES), Christian Jayles (CNES), Guilhem Moreaux (CLS), Jérôme Saunier (IGN), Philippe Yaya (CLS), François Didelot (CLS), François Boldo (IGN)
- 15:30 - 15:45** [Doris/Diode on-board Jason-3 and Sentinel-3 : real-time estimations for pole coordinates and USO frequencies](#)
Christian JAYLES (CNES), Jean-Pierre CHAUVEAU (Akka I&S), Cédric TOURAIN (CNES), Albert AURIOL (CNES)
- 15:45 - 16:15** **Coffee break**

New DORIS missions, applications, and products

Blue salon

Mon, Oct 27 2014, 16:15 - 17:30

Session Chairs: F. Lemoine, G. Moreaux

- 16:15 - 16:35** [Using DORIS for modeling the Vertical Total Electron Content of the Earth's Ionosphere](#)
Denise Dettmering (Deutsches Geodätisches Forschungsinstitut (DGFI)), Marco Limberger (DGFI), Michael Schmidt (DGFI)
- 16:35 - 16:55** [A high-quality, homogenized, global, long-term \(1993-2008\) DORIS precipitable water dataset for climate monitoring and model verification](#)
Olivier BOCK (IGN), Pascal WILLIS (IPGP - IGN), Junhong WANG (State University of New York, Albany), Carl MEARS (RSE)
- 16:55 - 17:10** [Revisiting the Geodetic Reference Antenna in Space \(GRASP\) Mission Concept](#)
Yoaz Bar-Sever (JPL/Caltech), Bruce Haines (JPL/Caltech), Steve Nerem (University of Colorado, Boulder), Richard Biancale (CNES)
- 17:10 - 17:30** [RF Compatibility tests of DORIS Simulator with VLBI Broadband Antenna at GGAO](#)
Lawrence Hilliard (NASA), Cedric Tourain (CNES), Brian Corey (Haystack Observatory), Christopher Beaudoin (Haystack Observatory), Jerome Saunier (IGN), William Petrachenko (National Research Council)

Tuesday, October 28

08:00 - 09:00 Registration and Presentation upload

Precise orbit modeling and Precise Orbit Determination

Blue salon

Tue, Oct 28 2014, 14:00 - 15:45

Session Chairs. N. Zelensky, M. Otten

- 14:00 - 14:15** [EIGEN-GRGS.RL03.MEAN-FIELD: new mean gravity field model for altimetric satellite orbit computation](#)
Jean-Michel Lemoine (CNES/GRGS), Stéphane Borgogne (Géode&Cie), Richard Biancale (CNES/GRGS), Sean Bruinsma (CNES/GRGS)
- 14:15 - 14:30** [The semi-empirical thermosphere model DTM2013](#)
Sean Bruinsma (CNES/GRGS),
- 14:30 - 14:45** [Calibrated Semi-Empirical Solar Radiation Pressure Models for Altimeter Satellites](#)
Flavien Mercier (CNES), Eva Jalabert (CNES), Alexandre Couhert (CNES)
- 14:45 - 15:00** [Improvement of a radiation model for Cryosat-2](#)
Ernst Schrama (TU Delft), Marc Naeije (TU Delft, Faculty of Aerospace)
- 15:00 - 15:15** [Possible improvement of the SAA JASON-1 corrective model by the use of the maps of energetic particles obtained by the dosimeter CARMEN onboard of JASON-2](#)
HUGUES CAPDEVILLE (CLS), Jean-Michel Lemoine (CNES)
- 15:15 - 15:30** [New DORIS Doppler Parameterization Inferred from Phase Measurement Analyses](#)
Alexandre Couhert (CNES), Flavien Mercier (CNES)
- 15:30 - 15:45** [Use of DORIS RINEX Doppler measurement with the GINS software](#)
Laurent Soudarin (CLS), Hugues Capdeville (CLS), Jean-Michel Lemoine (CNES), Philippe Schaeffer (CLS)
- 15:45 - 16:15 Coffee break**

Governing Board Meeting

Blue salon

Tue, Oct 28 2014, 16:15 - 17:30

Posters

Blue salon

From Monday, 27 to Tuesday, 28

IDS processing for ITRF2013

- 1 [DORIS positioning: performance assessment from the data processing for ITRF2013 at CNES/CLS Analysis Center](#)
Laurent Soudarin (CLS), Hugues Capdeville (CLS), Jean-Michel Lemoine (CNES), Philippe Schaeffer (CLS)

Network and constellation: status and evolution

- 2 [Overview of the network monumentation](#)
Jérôme SAUNIER (IGN),

New DORIS missions, applications, and products

- 3 [Combining DORIS with VLBI, SLR and GPS in the GEOSAT software](#)
Geir Arne Hjelle (Norwegian Mapping Authority), Per Helge Andersen (Norwegian Mapping Authority)

Precise orbit modeling and Precise Orbit Determination

- 4 [Status of SARAL POD processing at GSC and contribution to ITRF solutions](#)
Nikita Zelensky (SGT Inc), Frank Lemoine (NASA GSFC), Douglas Chinn (SGT Inc), Jennifer Beall (Emergent Space Technologies), Stavros Melachroinos (SGT Inc), Brian Beckley (SGT Inc.)