INTRODUCTION

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DORIS PILOT EXPERIMENT STATUS

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C. Noll (GSFC/CDDIS)
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DORIS Pilot Experiment: history

» 4 techniques contributing to the IERS

» International Services
  • I.G.S.
  • I.L.R.S.
  • I.V.S.

» IUGG, July 1999, Birmingham
  • CSTG Executive Committee and IERS Directing Board
  • DORIS Pilot Experiment

» Call for Participation: 09/99
DORIS Pilot Experiment: objectives

➤ Assess the need and feasibility of an International DORIS Service

- at least 2 global Data Centers (2 countries)
- products to be initially considered
- operational nature of the Central Bureau
- opportunities: new stations and additional receivers
THE STRUCTURE

Users

Central Bureau

Directing Board

IERS Dir. Board

CSTG Exec. Com.

Data Centers

Analysis Centers

Analysis W. Group

Analysis W. Group

Formats W. Groups

Data Flow Coordinator

Stations Sel. Group

Network

Satellites (C.C.)

Analysis Coordinator

Data products
DORIS Pilot Experiment

➡️ Steering Committee
➡️ Central Bureau
➡️ Data Centers
  ● June 13: Session 1
➡️ Analysis Centers
  ● June 13: Session 4
  ● June 13: Poster Session
  ● June 14: Analysis Workshop
➡️ Stations
  ● June 13: Session 1
➡️ Satellites
Steering Committee

- Gilles Tavernier  CNES  Gilles.Tavernier@cnes.fr  Chairperson
- Martine Feissel  Paris Observatory and IGN  feissel@ensg.ign.fr  Analysis coordinator
- Frank Lemoine  NASA GSFC  flemoine@ishtar.gsfc.nasa.gov  Stations Selection Group Chairperson
- Carey Noll  NASA GSFC  noll@cddis.gsfc.nasa.gov  Data Flow coordinator
- John Ries  University of Texas CSR  ries@csr.utexas.edu  DORIS representative to IERS
- Laurent Soudarin  CLS  Laurent.Soudarin@cls.fr  Central Bureau Web server
- Pascal Willis  IGN LAREG  pascal.willis@ensg.ign.fr  DORIS representative to IERS
Central Bureau

➤ CNES/IGN/CLS
- Jean-Pierre Granier, Gilles Tavernier
- Laurent Soudarin, Jean-Jacques Valette
- Hervé Fagard, Pascal Willis

➤ Website: http://ids.cls.fr
Data flow coordination
Data Centers

➤ Carey Noll
NASA GSFC USA

➤ Data Centers:

- NASA GSFC CDDIS - USA
  ➤ http://cddisa.gsfc.nasa.gov/cddis_welcome.html
- IGN (under construction)
  ➤ http://lareg.ensg.ign.fr/DORIS

Carey Noll
Edouard Gaulué
Analysis coordination

➤ Martine Feissel  
Paris Observatory and IGN  
France

➤ 2002 Analysis campaign

- June 13: Session 4
- June 13: Poster Session
- June 14: Analysis Workshop

➤ http://lareg.ensg.ign.fr/IDS/
Stations Selection Group

- Frank Lemoine  GSFC  USA
  Chairperson
- Eric Calais  CNRS  France
- Chuck DeMets  University of Wisconsin  USA
- Hervé Fagard  IGN  France
- Ramesh Govind  AUSLIG  Australia
- Bruce Haines  JPL  USA
- Kristine Larson  University of Colorado  USA
- Simon Williams  Proudman Ocean. Lab.  UK
Satellites

90 91 92 93 94 95 96 97 98 99 2000 01 02 03 04 05 06 07

SPOT2  
TOPEX-POSEIDON  
SPOT3  

DORIS applications

- Orbit determination
- Gravity field
- Earth rotation
- Localization
- On-board orbit
- Dating

JASON1  
ENVISAT1  
SPOT5  

CRYOSAT  
JASON2  
NPOESS, PLEIADES...
IDS Workshop Program - June 13

➤ 09h00 - 10h30  SESSION 1: DORIS Pilot Experiment - IDS
➤ 10h30 - 11h00  Coffee break
➤ 11h00 - 12h30  SESSION 2: Orbits and related products
➤ 12h30 - 14h00  Lunch  (La Rotonde)
➤ 14h00 - 15h40  SESSION 3: DORIS analysis results
➤ 15h40 - 16h10  Coffee break
➤ 16h10 - 16h30  SESSION 4: IDS analysis campaign
➤ 16h30 - 18h00  POSTER SESSION
IDS Workshop Program - June 14

09h00 - 12h00 Analysis workshop
- DORIS data analysis: technical discussions

14h00 - 16h00 Network workshop
- Président / Chair: H. FAGARD, IGN
From the Pilot Experiment to the International DORIS Service

Needs, expectations & priorities
- what are the questions that the Pilot Experiment should answer?
- what are the issues for which an IDS is needed?
- data: raw/preprocessed, format, delivery...
- products: format, data processing…
- network, stations
- satellites

2003 IUGG General Assembly
- Sapporo, Japan, June 30, July 11 2003
- CSTG Executive Board, IERS Directing Board
- International Service candidate?