

Hugues CAPDEVILLE

Project and R&D Engineer in Space Geodesy and in Precise Orbit Determination (POD)



• Work Experience

2019-
Present

- **Head of Positioning and Orbitography Team in Space Observation Division (CLS)**

2003-
Present

- **Project and R&D Engineer in Space Geodesy and in POD (CLS)**

2015-2022

- **IDS Analysis Coordinator**

Analysis Coordination conducted by 4-6 IDS Analysis Centers
Preparation and leading of Analysis Working Group and Workshop
Member of the International Earth Rotation Service Governing board

Since 2013

- **Technical Responsible of the CNES/CLS IDS AC**

Description and technical supervision of the IDS AC activities

2008-2019

- **Contribution to activities of Orbit Mission component of ground segment CNES SSALTO (ZOOM software)**

Daily POD satellites for altimetry (from DORIS and/or GNSS measurements)

2008-2014

- **Contribution to CNES/CLS International GNSS Service (IGS) AC activities by using GINS/DYNAMO software**

Weekly POD and clocks determination of GNSS (GPS, GALILEO, GLONASS) satellites

Positioning of one GNSS network

Contribution to the International Terrestrial Reference Frame (ITRF)

Since 2008

- **Contribution to CNES/CLS International Doris Service (IDS) Analysis Center (AC) activities (By using GINS/DYNAMO software)**

POD of DORIS satellites

Positioning of DORIS network

Contribution to the International Terrestrial Reference Frame (ITRF)

Development and improvement of the processing chain based on GINS/DYNAMO software

2003-2005

- **Studies**

"Modelling of tropospheric correction from meteorological grids"

"Development of a corrective model for Jason-1 DORIS Doppler data in relation to the South Atlantic Anomaly"

• Personal Information

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Technologique du Canal

31520 Ramonville Saint-Agne – France

• Education and Training

2002–2003

Master in Scientific Computing

Ecole Supérieure d'Ingénierie Léonard de Vinci, Paris (France)

1999–2001

Ph.D in Plasma and Gas-Discharge Physics

Université d'ORLEANS, conducted at Université Paul Sabatier, Toulouse (France)

• Job-related skills

- POD (GNSS, DORIS)

- Space Positioning Geodetic Techniques (GPS, GALILEO, GLONASS, DORIS)

- Project management (responses to the invitation to tender, workload management, ...)

- Management of Scientific Engineering Teams

- Languages: C, Fortran, shell