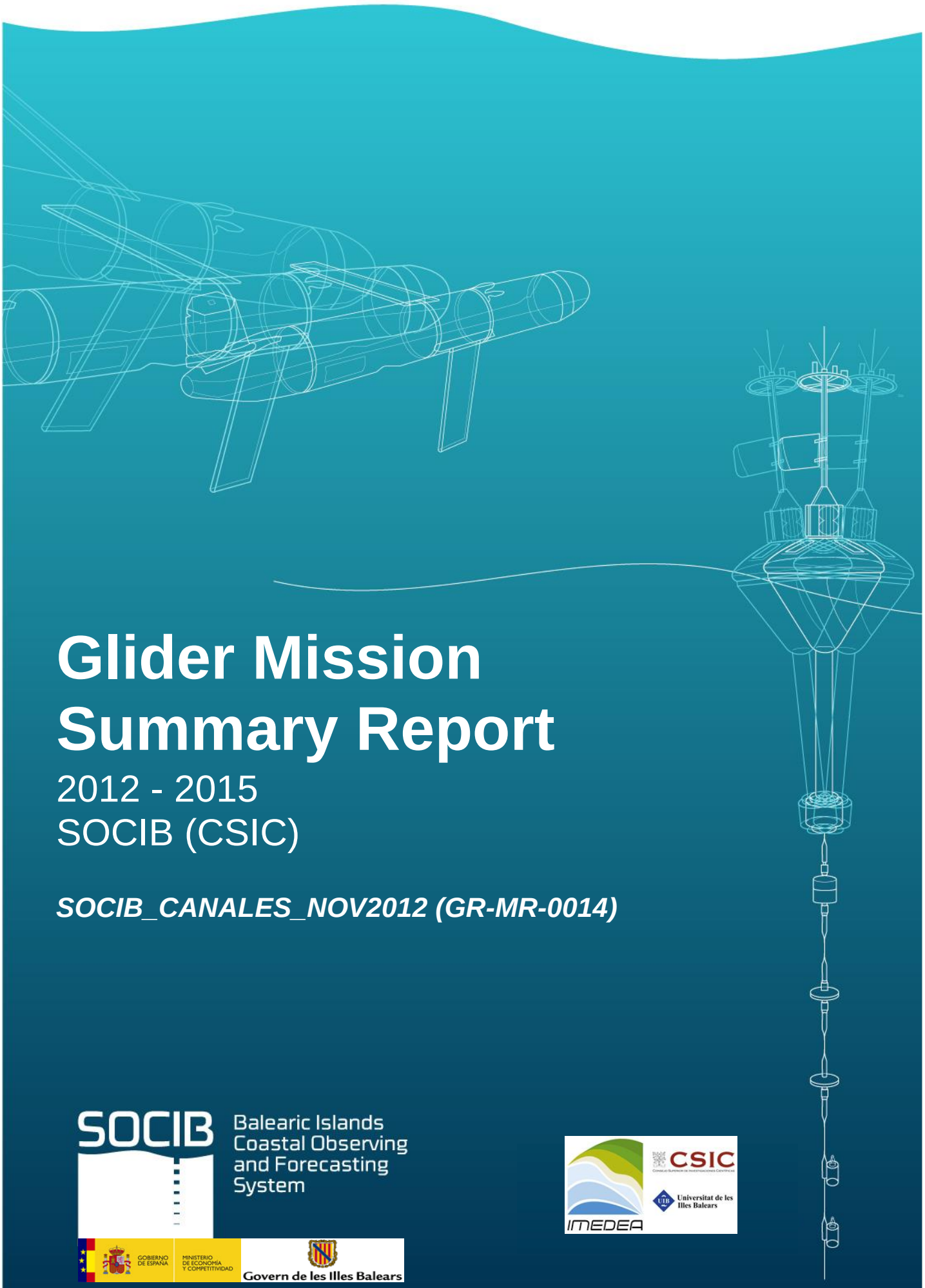

Glider Mission Summary Report

2012 - 2015

SOCIB (CSIC)

SOCIB_CANALES_NOV2012 (GR-MR-0014)

SOCIB Balearic Islands Coastal Observing and Forecasting System

GOBIERNO DE ESPAÑA · MINISTERIO DE ECONOMÍA Y COMPETITIVIDAD · Govern de les Illes Balears

IMEDEA · CSIC · Universitat de les Illes Balears

Mission Name	*SOCIB_CANALES_NOV2012 (GR-MR-0014)*		
Platform Model	*Slocum 1000 G2*		
Platform ID / Name / WMO Code	*U243 / SDEEP00 / 68457*		
Related Platforms / Missions			
Start Date	*2012-11-27*		
End Date	*2012-12-13*		
Total Days	*18*	**Total distance (Km / Nm)**	*442,5 / 239,2*
Survey Area (NODC or SDN region)	*Mallorca and Eïvissa Channels (Western Mediterranean sea)*		
Objective(s)	*Establishing the variability of the N/S exchange of water masses that occur through the Ibiza Channel.* *Sampling a standard transect across the Ibiza Channel several times using physical and biogeochemical sensors.* *No greater than 1 month gap in between consecutive iterations.* *The Mallorca Channel is also sampled when operationally practical.*		
Scientific Sensors (name & model / serial_number / calibration date)	*GPCTD -SBE- / sn 0107 / 04-Jan-2012* *FLNTU -WetLabs- / sn2279 / 15-Jul-2011* *OPTODE -Aandera- / sn 1409 / 15-Feb-2011*		
Number of Profiles	*874 (CTD), 437 (FLNTU), 435 (OXY)*		
Significant Events	*First operational mission performed by SDEEP00 (Slocum G2)* *Deployment/Recovery closer to home-port to allow the glider to navigate for 24hrs., for testing, before the beginning of the standard Canales transect* *Shorter commanded track with respect to standard Canales due to the proximity of the Christmas festivity and the GPCTD being replaced due to aggressive corrosion of the unit initially delivered*		
Mission Summary	*This mission stands for the 6th iteration of the Canales Campaign 2012, carried out by SOCIB's glider SDEEP00 (Unit 243). Unit 132 failed due to water-leak for second time (gf-mr-0012) forcing the usage of SDEEP00. This mission was the first Canales, and the first operational mission, executed by SDEEP00.* *Launching was performed by a 2-member field-team on board SOCIB-I professional RIB at location N39.3983° E02.3227°. Having not been deployed nearby the standard initial Canales waypoint, SDEEP00 navigated North to meet that point while executing a test transect.* *During the time the glider remained deployed 2 Mallorca-Eïvissa and 2 Eïvissa-Valencia channels were surveyed.* *Overall performance of mechanical and sampling devices was excellent. Comms were stable and the navigation of the glider was adjusted to the commanded path.* *Once the return Eïvissa-Mallorca transect was concluded, thus ending the mission, SDEEP00 was commanded to navigate to the launching waypoint while waiting for recovery on the next day.* *Recovery took place near N39.4518° E02.2874° waypoint.* *Upon completion, SDEEP00 was received at IMEDEA's glider-lab, put on the bench, revised and properly stored. The gathered dataset was fully backed-up and uploaded to SOCIB's FTP for subsequent processing and diffusion via SOCIB's public repository.*		

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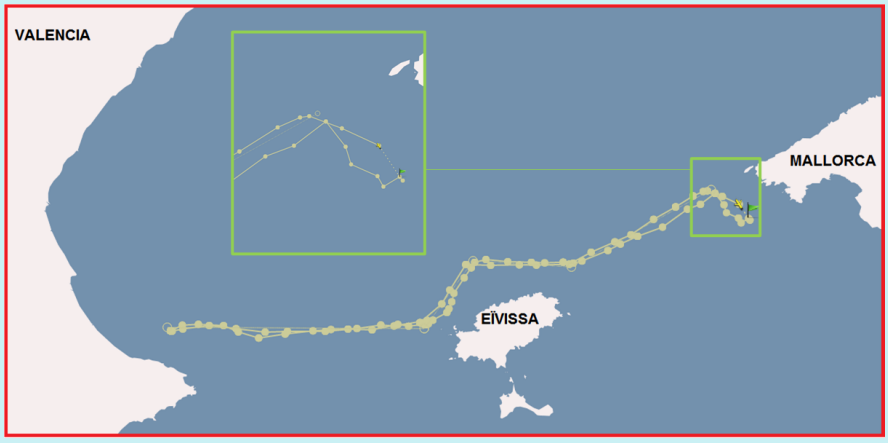
Principal Investigator (e-mail or contact phone/address)	*Prof. Joaquim Tintoré* *jtintore@socib.es (+34 971439821)*
Institute	*SOCIB in collaboration with IMEDEA*
Project Affiliation (web-site)	*http://www.socib.eu*
Partnership / Participation	*SOCIB (internal long-term project of sustained monitoring line)* *IMEDEA (in-kind contribution of material and infrastructures)*
Glider Software Version	*v7.7 GAMMA_RAD5*
Data Retrieval (real-time [RT] / delayed-mode [DM])	*Real-time sub-set via satellite link every 6 hours every day* *Delayed-mode direct download of full gathered data sets*
Compass Calibration (specify procedure)	*(n/a)*
Battery Type	*Manufacturer's original Alkaline batt.pack (143Ah-nominal cap.)*
Battery Consumption (Ah)	*102,613Ah (reading from 1,081Ah to 103,694Ah)*
Data Available From	*http://thredds.socib.es/thredds/dodsC/auv/glider/sdeep00-scb_sldeep000/L1/2012/dep0002_sdeep00_scb-sldeep000_L1_2012-11-27_data_dt.nc*
Full Mission Report From	*glidertech@socib.es*
Technical Contact	*glidertech@socib.es*

Figure 1

(Map providing general overview of Survey Area)

Mission Summary

(Map providing detailed overview of Survey Area and traced Flight Path with surface points if possible)



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