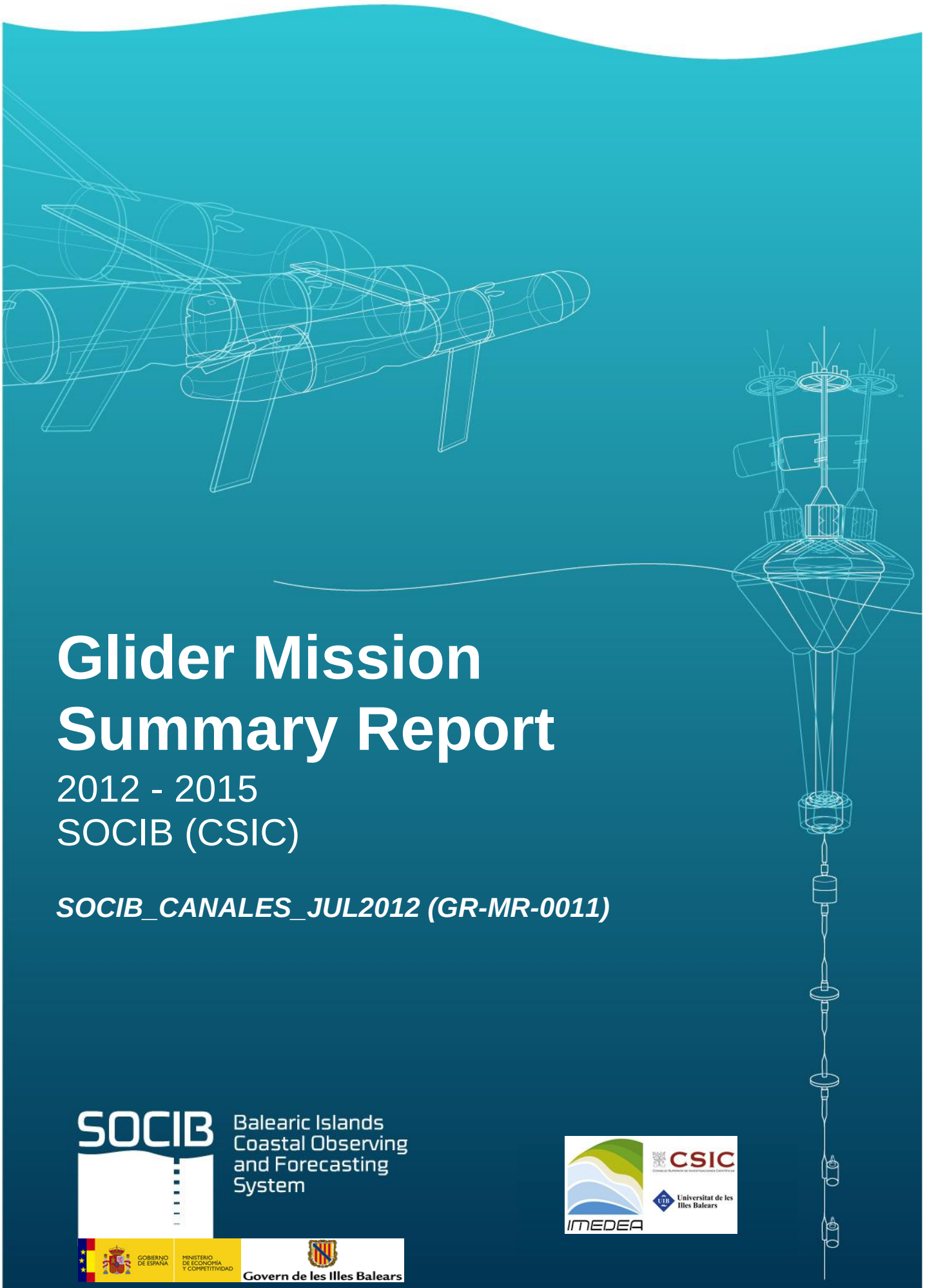

Glider Mission Summary Report

2012 - 2015
SOCIB (CSIC)

SOCIB_CANALES_JUL2012 (GR-MR-0011)

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_JUL2012 (GR-MR-0011)*
Platform Model	*Slocum 1000 G1*
Platform ID / Name / WMO Code	*U184 / IDEEP00 / 68452*
Related Platforms / Missions	
Start Date	*2012-07-09*
End Date	*2012-08-01*
Total Days *24*	**Total distance (Km / Nm)** *585,9 / 316,7*
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)	*CTD-SBE / sn 0195 / (n/a)* *FLNTUSLK -WetLabs- / sn2128 / 01-Feb-2011* *OPTODE -Aandera- / sn 0841 / 14-Sep-2010*
Number of Profiles	*777 (CTD), 326 (FLNTU), 327 (OXY)*
Significant Events	*2 on-mission aborts: same_depth_for & overtime* *Mission was re-run 3 times during the water survey* *Multiple oddities from devices: IRIDIUM, OCEAN_PRESSURE, PITCH_MOTOR & DIGIFIN*
Mission Summary	*This mission stands for the 3rd iteration of the Canales Campaign 2012 carried out by IMEDEA's glider IDEEP00 (Unit 184).* *Launching was performed by a 2-member field-team on board SOCIB-I professional RIB at location N39.5221° E02.1676°* *During the time the glider remained deployed 2 Mallorca-Eïvissa and 4 Eïvissa-Valencia channels were surveyed.* *Overall performance of mechanical and sampling devices was reasonably good. Only some devices exhibited a quite high number of oddities, which did not implied adverse situations. Communications were fluid during the whole mission and the glider did not have much trouble transmitting near-real-time files to dockserver.* *Recovery was performed by the same team and vessel in the middle of the Mallorca-Eïvissa channel (N39.5094° E02.1847°)* *Upon completion, IDEEP00 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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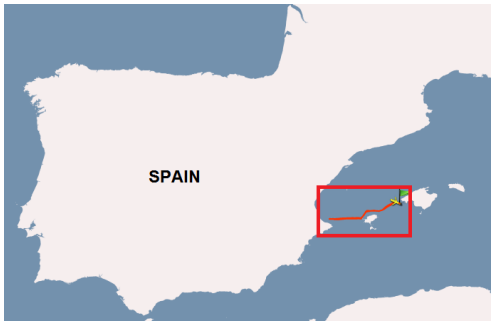
Principal Investigator (e-mail or contact phone/address)	*Prof. Joaquim Tintoré* *jtintore@socib.es (+34 971439821)*
Institute	*SOCIB in collaboration with IMEDEA*
Project Affiliation (web-site)	*http://www.socib.eu*
Partnership / Participation	*SOCIB (internal long-term project of sustained monitoring line)* *IMEDEA (in-kind contribution of material and infrastructures)*
Glider Software Version	*v7.3 Ice House*
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)	*120Ah (reading from 0Ah to 120,335Ah)*
Data Available From	*http://thredds.socib.es/thredds/dodsC/auv/glider/ideep00-ime_sldeep000/L1/2012/dep0008_ideep00_ime-sldeep000_L1_2012-07-09_data_dt.nc*
Full Mission Report From	*glidertech@socib.es*
Technical Contact	*glidertech@socib.es*

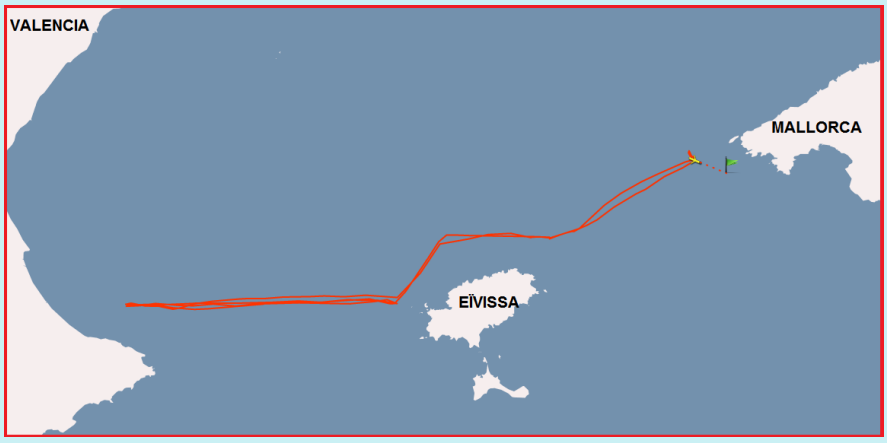
Figure 1

(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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