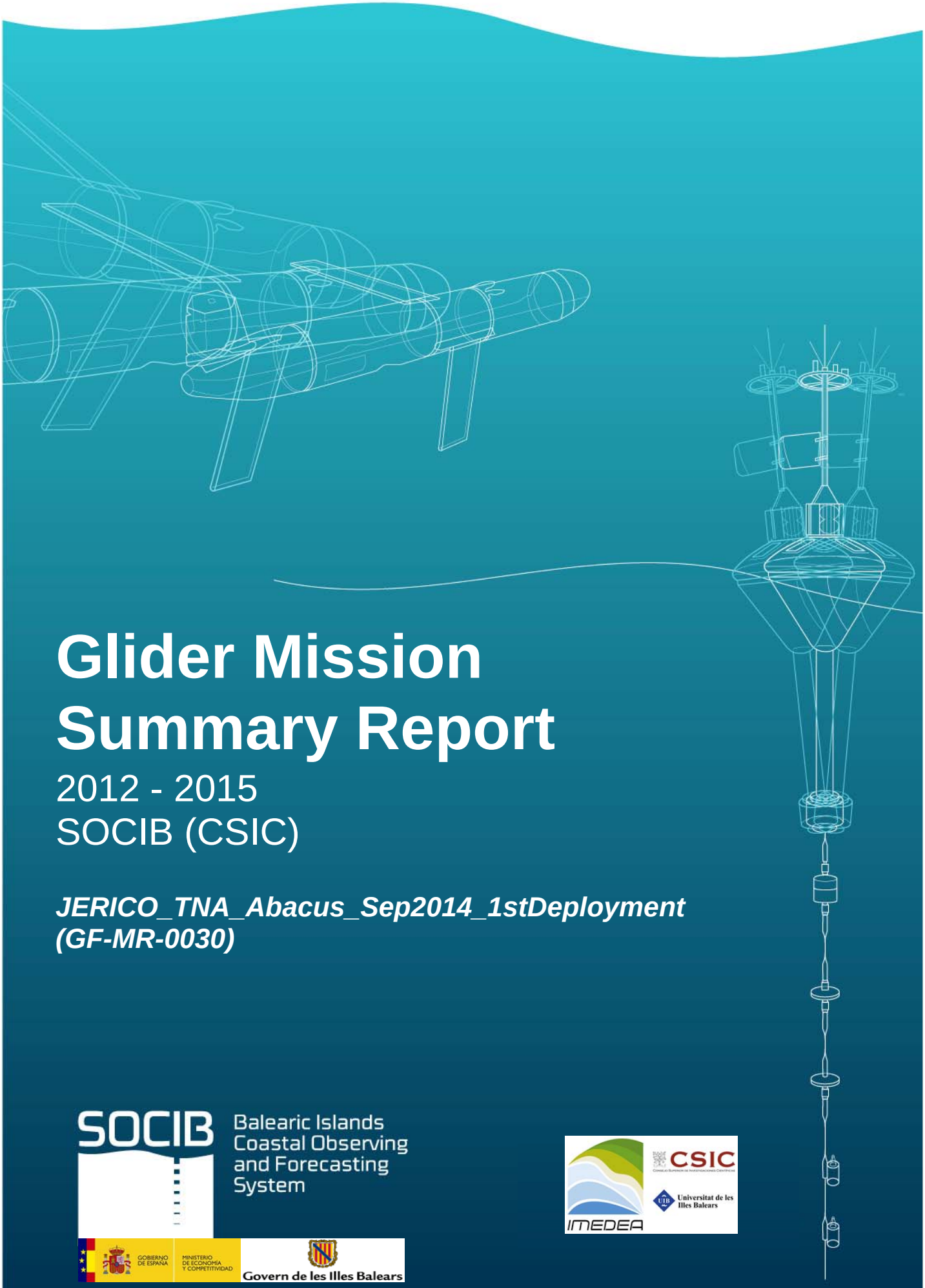

Glider Mission Summary Report

2012 - 2015
SOCIB (CSIC)

JERICO_TNA_Abacus_Sep2014_1stDeployment (GF-MR-0030)

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	*JERICO_TNA_Abacus_Sep2014_1stDeployment (GF-MR-0030)*
Platform Model	*Slocum 1000m G2*
Platform ID / Name / WMO Code	*U244 / SDEEP01 / 68967*
Related Platforms / Missions	*R/V-Tethys-II & Eudoxus(dt-insu glider) / SOMBA & MUSICS*
Start Date	*2014-09-01*
End Date	*2014-09-03*
Total Days *3*	**Total distance (Km / Nm)** *32,0 / 17,3*
Survey Area (NODC or SDN region)	*Algerian BASIN (Western Med.)*
Objective(s)	*1.To identify the physical and biological properties of the surface and intermediate water masses between Balearic islands and Algerian coasts;* *2.To understand sub-basins dynamics and the complex interactions due to eddies;* *3.To assess the ocean description capabilities of several satellite products when approaching coastal areas, also comparing them to glider and ship collected in situ data.*
Scientific Sensors (name & model / serial_number / calibration date)	*GPCTD -S.B.E.- / sn 0107 / 04-Jan-2012* *FLNTUSLK -WetLabs- / sn2279 / 15-Jul-2015* *OPTODE_5013 -Aandera- / sn 1410 / 10-Feb-2011*
Number of Profiles	*103 (CTD), 103 (FLNTU), 103 (OXY)*
Significant Events	*- altimeter exhibiting false bottom hits (glider ending dives prematurely)* *- aborts due to hydraulic-pump failure (oil_flux_oddities)* *- deployment cancelled and glider recovered*
Mission Summary	*First deployment attempt within ABACUS mission (in the frame of the JERICO-TNA program).* *Deployment location: North-West of 'Cabrera' island (N 39° 15.324' E 2° 34.273').* *After only two days of navigation (with some issues related to the altimeter detector), SDEEP01 had to be recovered due to its impossibility to execute the mission with the minimum success warranties.* *Finally, the glider was recovered in the vicinity of the launching waypoint. Precisely, it was extracted from the water in location 39º11.723' N 2º35.300' E.* *Next step was to put the platform on the working bench and proceeded with a degassing of the oil circuit of the pump as the presence of dissolved air seemed to be the cause of the pump's malfunctioning*

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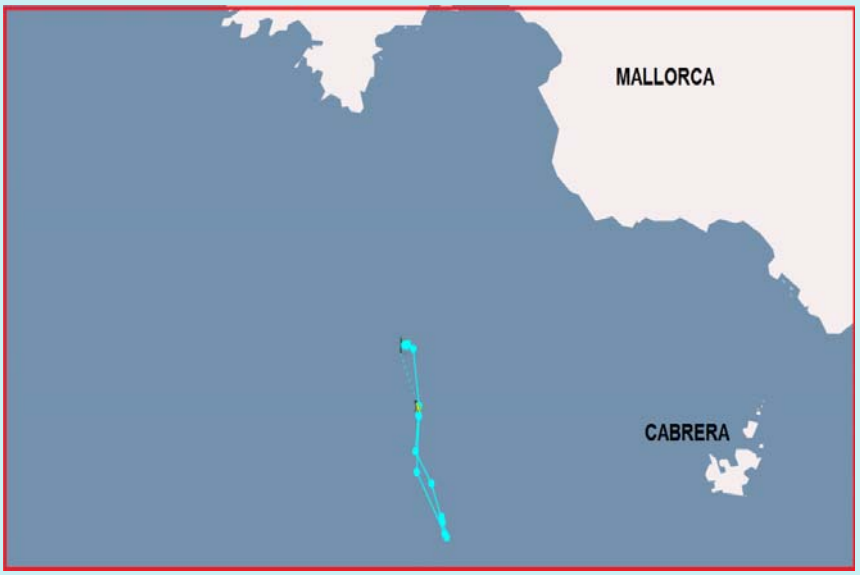
Principal Investigator (e-mail or contact phone/address)	*Prof. Giorgio Budillon* *giorgio.budillon@uniparthenope.it*
Institute	*PARTHENOPE (Univ. of Napoli, Italy)*
Project Affiliation (web-site)	*http://www.jerico-fp7.eu/tna*
Partnership / Participation	*PARTHENOPE (JERICO-TNA call solicitor&granted institution)* *CSIC-IMEDEA (accessed infrastructure and service provider)* *SOCIB (in-kind contribution of material and infrastructures)*
Glider Software Version	*v7.13 (Navigation), v3.17 (Science)*
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)	*Heading error measurement. Coefficient re-calibration not needed*
Battery Type	*Manufacturer's original Lithium batt.pack (720Ah-nominal cap.)*
Battery Consumption (Ah)	*16,582Ah (1,785Ah up to 18,367Ah of battery consumption)*
Data Available From	*http://thredds.socib.es/thredds/catalog/auv/glider/sdeep01-scb_sldeep001/L2/2014/catalog.html*
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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