

Glider Mission Summary Report

2012 - 2015 SOCIB (CSIC)

JERICO_TNA_Sardinia_OCT2013 (GF-MR-0020)



Balearic Islands Coastal Observing and Forecasting System







				IEDICO TNA Cardinia OCT2042 (CE MD 0020)		
Mission Name				JERICO_TNA_Sardinia_OCT2013 (GF-MR-0020)		
Platform Model				Sea-Glider 1000m (iRobot version)		
Platform ID / Name / WMO Code				U538 / SDEEP02 / 68965		
Related Platforms / Missions				00404045		
Start Date				2013-10-15		
End Date			nd Date	2013-11-29		
Total Days 46			Total distance (Km / Nm) 909 / 491			
Survey Area (NODC or SDN region)				Menorca to Sardinia channel (Western Mediterranean sea)		
tive(s)	masses between Baleares and Sa i) study the variability of the physic Algerian and the Provencal sub-ba ii) evaluate the transport of water,			sical properties of surface and intermediate water masses between the basins; r, salt and heat through the area and verify if the interannual variability		
	the surface and intermediate water masses is due to climatic changes; iii) validate the operational hydrodynamic numerical model of the western Mediterranean (http://www.seaforecast.cnr.it/en/fl/wmed.php) through the use of in-situ and satellite data					
Scientific Sensors (name & model / serial_number / calibration date)				CT-Sail -SBE- / sn 0168 / 04-Jun-2013 (*) BBFL2VMT -WetLabs- / sn0778 / 26-Jul-2013 OPTODE -Aandera- / sn 0464 / 03-Jun-2013		
				(*) with Paine's pressure sensor sn264060 calibrated 04-Jun-2013		
Number of Profiles			Profiles	675 (CTD), 364 (FLNTU), 364 (OXY)		
Significant Events			Events	First mission after U538's factory refurbishment. Second iteration of the JERICO-TNA mission Menorca- Sardinia granted with reference CALL 1_8. Deployment and Recovery in front of Porto-Colom (Mallorca, First Sea-Glider mission after departure of Sea-Glider expendimental.)		
JU 5. La (N S D M O Sa A n n au o o St E C C C C C C C C C C C C C C C C C C		JERICO-538). Launchin (Mallorca SOCIB-I During th Mallorca Overall p satisfactor Additional near-real and mession over the suffered to For logistic coast of I Recovery board SC Upon corthe bence backed-u	is mission stands for the 2nd iteration of the Menorca-Sardinia (CICO-TNA mission, carried out by SOCIB's glider SDEEP02 (Unit 1). Inching operation was performed in front of the coast of Porto-Colom (Ilorca, in N39.3316° E3.4228°) by a 2-member field-team on board (CIB-I Professional RIB. Ing the execution of this mission 2 Menorca-Sardinia and 2 Menorcalorca (travel for recovery) transects were completed successfully. In all performance of mechanical and sampling devices was effectory. There were not relevant issues with any particular devices. Ititionally, Communications were stable and fluent allowing proper reseal-time data sending. External ARGOS tag behaved as expected messages were received by the CLS servers. Navigation was correct the Men-Sar channel and Mall-Men track although SDEEP02 ered the influence of light currents especially in the Men-Sar channel. Ilogistical reasons, upon return to Menorca, SDEEP02 was sent to the set of Mallorca over the 500m isobath. In overy took place in N39.3422° E3.3861° by a 2-member field-team or and SOCIB-I 9m Professional RIB. In completion, SDEEP02 was received at IMEDEA's glider-lab, put on bench, revised and properly stored. Gathered dataset was fully ked-up and uploaded to SOCIB's FTP for subsequent processing and usion via SOCIB's public repository.			

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Institute	CNR-GOO, Oristano (Italy)
Project Affiliation (web-site)	http://www.jerico-fp7.eu/tna
Partnership / Participation	CNR-GOO-Oristano (JERICO-TNA call solicitor&granted institution) CSIC-IMEDEA (accessed infrastructure and service provider) SOCIB (in-kind contribution of material and infrastructures)
Glider Software Version	V66.06
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)	Error measurement revealed no necessity to perform a compass calibration
Battery Type	Electrochem's Lithium Prim. 24V (mechanics) & 10V (electronics)
Battery Consumption (Ah)	48.698Ahr (24V pack) & 39.892Ahr (10V pack)
Data Available From	http://thredds.socib.es/thredds/dodsC/auv/glider/sdeep02- scb_sgdeep002/L1/2013/dep0003_sdeep02_scb- sgdeep002_L1_2013-10-15_data_dt.nc
Full Mission Report From	glidertech@socib.es
Technical Contact	glidertech@socib.es

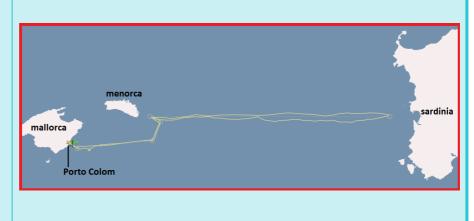
Figure 1

(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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