

Glider Mission Summary Report

2012 - 2015 SOCIB (CSIC)

JERICO_TNA_Sardinia_FEB2013 (GF-MR-0013)



Balearic Islands Coastal Observing and Forecasting System







Mission Name			JERICO_TNA_Sardinia_FEB2013 (GF-MR-0013)	
Platform Model			Sea-Glider 1000m (iRobot version)	
Platform ID / Name / WMO Code			U541 / SDEEP03 / 68969	
Related Platforms / Missions			00+17 0DEE1 007 00303	
Start Date			2013-01-31	
			2013-03-16	
End Date		iiu Dale	Total distance (Km / Nm) 780 / 421	
Total Days 45		ov Aron	Menorca to Sardinia channel (Western Mediterranean sea)	
Survey Area (NODC or SDN region)			individual to Gardinia dilatino (Wodiom Modiomandan God)	
tive(s) masses between Baleares and S i) study the variability of the phys Algerian and the Provencal sub- ii) evaluate the transport of water the surface and intermediate wat iii) validate the operational hydro			sical properties of surface and intermediate water mass	ses between the annual variability of an
Scientific Sensors (name & model / serial_number / calibration date)			CT-Sail -SBE- / sn 0173 / 28-Mar-2011 (*) BBFL2VMT -WetLabs- / sn0777 / 13-Oct-2010 OPTODE -Aandera- / sn 0470 / 15-Dec-2010 (*) with Paine's pressure sensor sn264065 calibrated 01-Feb-2011	
N	umber of	Profiles	452 (CTD), 452 (FLNTU), 452 (OXY)	
Significant Events		t Events	First scientific mission using SOCIB's Sea-Glider U541. First mission in the frame of JERICO-TNA program. Initial deployment failed due to 24V. battery issues. Deployment departing from Maó (Menorca). Recovery in front of Porto-Colom (Mallorca).	
TNA mis Launchii field-teal property During th Mallorca Overall p satisfact Addition near-rea and mes over the of light of reasons, Mallorca Recover board St Upon co the bend		TNA miss: Launchin field-team property During th Mallorca Overall p satisfacto Additional near-real and mess over the lof light cureasons, Mallorca Recovery board SO Upon conthe benchbacked-u	sion stands for the 1st iteration of the Menorca-Sion, carried out by SOCIB's glider SDEEP03 (Using operation (in N39.8439 E4.407°) was executed a displaced to Maó (Menorca). Used vessel was of IMEDEA. The execution of this mission 2 Menorca-Sardinia a (travel for recovery) transects were completed soften to the complete of the com	nit 541). In the state of the

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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)	24,34Ahr (24V pack) & 41,72Ahr (10V pack)	
Data Available From	http://thredds.socib.es/thredds/dodsC/auv/glider/sdeep03- scb_sgdeep003/L1/2013/dep0002_sdeep03_scb- sgdeep003_L1_2013-01-31_data_dt.nc	
Full Mission Report From	glidertech@socib.es	
Technical Contact	glidertech@socib.es	

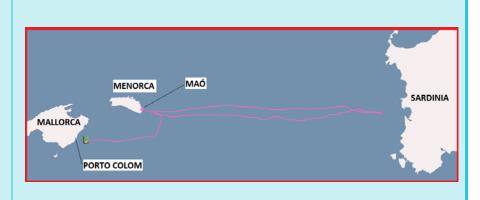
Figure 1

(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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