

Mission Name				20180307 GF-MR-0071 SOCIB-EXT-SMART3-					
wission warne				MAR2018_teresa_cnr-ismar					
Platform Model				Slocum 1000m G2					
	Platform ID / Name / WMO Code				a / unknown				
	Relati	ed Platforms	/ Missions	• Car	noli turtle				
			Start Date	2018-04-23 10:00:53 UTC					
			End Date	2018-05-31	14:10:56 UTC				
-	Total Days 38.2			Total distance (Km / Nm) 696.5 / 376.1					
	Bat	ttery Consur	nption (Ah)	162 (readin	g from 70 to 232)	<u> </u>			
		<u> </u>	attery Type		h-nominal capacity) (New)			
				,	, ,,,	,	forroncon Cool		
		S	urvey Area	sardegna –	Menorca channel [We	estern Medit	erranean Seaj		
Objective(s)	The Mediterranean Sea (MS) has been identified as hot sopto for climatic change, i.e., a region most impacted by ongoing warming trend and increase in extreme events. The MS provides a laboratory-type environment for documenting changes within it and for understanding the role of key processes involved making inferences on processes occurring also at the global scale.						y-type		
061									
SCI Profiles	Sensor Type:		CTD seabird	<u>'</u>	OPTODE Aanderaa	MicroRi	ider		
	Serial number:		9239		0360	1206		4	
Calibration date:		23/sep/2014		20/may/2014	13/aug/2				
	Casts: Half-Yos:		298		298	Unknow	'n	4	
			596		596	596		4	
	Samples:		471646		156743	Unknow		4	
	Sampled distance [km]:		184		184	Unknow		4	
	Intersample time [s]:		3.297		9.932	Unknow		_	
	Sampling Frequency [Hz] Depth range this configuration applies (m) Sampling during Diving Sampling during Overing		1/2 [-5, 2000] Y N		1/8	0 (as	s fast as possible)	4	
					[-5, 2000]		[-5, 2000]		
					Υ		N		
					N		N		
	Sampling during Climbing		N		N		Y		
	Sampling during Surface		N		N		N		
	(calibration sheets available upon request to glidertech@socib.es)								
Mission Preparation	Preparation	was done in C	NR in collabora	tion with SOCIL	3				
Mission Survey									
·	Navigation		It was very so waypoints.	atisfactory. The	glider responded well	to the comi	manded target		
		Underwater Two main configurations were applied during the deployment: deep flying mode during the operative part of the mission in other to reduce consumption; and adaptive flying mode in the rest of the mission in order to avoid collisions with seabed.							
	Engineering Sensor Digifin Iridium GPS		Sensor	Errors	Warmings		lities		
					27 1	778 205			
				0	11	5	5		
	Science_sup			2	2				
	Communication Were reliable Systems			and fluent					
	Systems								

	Contextual/Awareness Sensors	Pressure transducer, internal vacuum and internal temperature seemed to have worked correctly. Compass also reported coherent values. Altimeter detected the bottom correctly.								
	Hull/Hydrodynamics		No signs of problems							
	Mission Runs 2 mission run. Error on overdepth behaviour									
Glider Behavior	Date:	23/04/2018	25/04/2018	26/04/2018	27/04/2018	13/05/2018	16/05/2018	30/05/2018	31/05/2018	
	Underwater Top Inflection Depth (m):	10		12						1
	Underwater Bottom Inflection Depth (m)	950							230	
	Minimum Distance to Sea-floor to be kept (m)	40							30	
	Surface upon completion of this # of dives	00	4						2	
	Surface if this amount of hours without stable communications (hrs)	12								
	Surface at this particular UTC times	4,11,21	never					4,16,21		
	Surface if a waypoint is hit within that distance (km)	150								
	Altimeter	on			off	on	off			1
	The payalties and evigene	ion of this	migalan ras	vuired of ano	outroordin	on toom o	oordination	(with more	noonlo im	volvo.
HHRR	The novelties and exigencies of this mission required of an extraordinary team coordination (with more people involved and number of intra-communications). Nevertheless, coordination amongst multiple participants (glider-techs, field techs, scientists & outreachers) was fluent and efficient. There were no personal damages and the availability of each member, for all the tasks assigned at each moment, was correct (including on-alert shifts for field intervention and 24/glider monitoring during survey -which was more intense than usual-). Interaction with external partners was also very fruitful.									
Compass Error Check	Not performed									

www.socib.es 2

Principal Investigator (e-mail or contact phone/address)	 Prof. Borghini Mireno [-Accessing User-] mireno.borghini @sp.ismar.cnr.it (+39 0187 978313 320) Prof. Joaquim Tintoré [SOCIB – Accessed Infrastructure] jtintore @socib.es (+34 971439821) 				
Institute	SOCIB in collaboration with IMEDEA ISMAR Istituto di Scienze Marine Arsenale - Tesa 104, Castello 2737/F, 30122 Venezia, Italy				
Project Affiliation (web-site)	http://www.socib.eu http://www.ismar.cnr.it/				
Partnership / Participation	 PARTHENOPE (CNR-ISMAR) SOCIB (Accessed Infrastructure) IMEDEA (in-kind contribution) 				
Glider Software Version	Nav : Unknown Acomms, Payload: Unknown				
Data Retrieval (real-time [RT] / delaved-mode [DM])	 RT: sub-set via satellite link at each surface maneuver DM: full/direct memory card backup after glider disassembly during Conclusion mission-phase 				
Data Available From	http://thredds.socib.es/thredds/catalog/auv/glider/teresa- cnr_teresa/catalog.html				
Further Details	glidertech@socib.es				
Global Overview					
	40.5'N 40.5'N 39.5'N 4.5'E 5'E 5.5'E 6'E 6.5'E 7'E 7.5'E 8'E 8.5'E				
	Figure 1 - Map providing general overview of the Survey Area Online track:				
	http://apps.socib.es/dapp/?deployments=817-24-0- FFFF00&layers=none&units=scientific				









