

Mission Name				20170406_GF-MR-0056_CNRismar-EXT- SMART_APR2017_teresa					
Platform Model				Slocum 100	0m G2				
	Platform ID / Name / WMO Code				a / unknown				
	Relate	ed Platforms	/ Missions	• Nor	e				
			Start Date	2017-04-06 13:55:56 UTC					
			End Date	2017-04-26	10:38:21UTC				
-	Total Days 19.9			Total distance (Km / Nm) 435 / 234					
	Bat	tery Consun	nption (Ah)	103 (reading	from 44 to 148)				
		Ba	attery Type	Eltec (310 A	h-nominal capacity) (N	lew)			
			urvey Area	,	Menorca channel [We	*	erranean Seal		
			artoy Area	Garacyria –		otor ir ivicuit	orranicari Geaj		
	Set-up of a long-term repeated transect Menorca-Sardinia to monitor medium-to-long-term variability of surface and intermediate water masses. Investigation of turbulence structures in the WEST MED be means of a microstructure profiler (MicroRider) mounted on the glider. The glider will also be able to reach the transitional layer between intermediate and deep water, which is subject to the effects of the WMT and where thermohaline staircase are likely to form, These features are of special interest when observed with a microstructure profiler.						D by ole to of the		
			1						
SCI Profiles	Sensor Typ	e:	CTD seabird		OPTODE Aanderaa	MicroRi	ider		
	Calibration date:  Casts:  Half-Yos:		9239		0360	1206			
			23/sep/2014		20/may/2014	13/aug/2	2012		
			356		356	Unknow	n		
			356		356	356		4	
	Samples:		na		na	Unknown		4	
	Sampled distance [km]:		241		241	Unknown		4	
	Intersample		3.331		9.93	Unknow		4	
		requency [Hz]	1/2		1/8	0 (as	s fast as possible)	-	
	Depth range configuration	e this on applies (m)	[-5, 2000]  Unknown		[-5, 2000]	[-5, 2000]			
	Sampling d	uring Diving			Unknown	Unknow	n		
	Sampling during Overing  Sampling during Climbing		Unknown		Unknown	Unknown			
			Unknown		Unknown	Unknown			
	Sampling during Surface Unknown		Unknown		Unknown		Unknown		
	(calibration sheets available upon request to glidertech@socib.es)								
Mission Preparation	Preparation was undertaken by CNR-ISMAR technicians, at their facilities in La Spezia, in collaboration with SOCIB's Glider Facility members who provided remote (on-line meetings and emails) support.  Contact Mr. Mireno Borginin (mireno.borghini@sp.ismar.cnr.it) for details.						OID 8		
Missian Summer	Contact IVIF.	wiii erio borginii	r (mireno.borg	ıııııwsp.isiiiaf.(	an.it) for details.				
Mission Survey	Navigation	on It was very satisfactory. The glider responded well to the commanded target waypoints.							
				figurations were applied during the deployment: deep flying mode erative part of the mission in other to reduce consumption; and					

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	Engineering  Communication Systems Contextual/Awareness Sensors  Hull/Hydrodynamics Mission Runs	Sensor Digifin Iridium GPS Science attitude ocean_p Were relia Pressure worked co	_super rev bressure able and flu transducer prrectly. Co	Errors 0 1 0 0 1 0 0 ent internal vimpass also	acuum ano	Warmings 11 0 7 1 1 0	41	ddities  2  2  22 	n have	
Glider Behavior	Date:	06/04/2017	09/04/2017	12/04/2017	19/04/2017	21/04/2017				1
Gilder Berlavior	Underwater Top Inflection Depth (m):	-15	и	и	u	и				-
	Underwater Bottom Inflection Depth	-950	и	и	"	и				-
	(m)  Minimum Distance to Sea-floor to be	40	и	и	и					-
	kept (m)		_	_	а					-
	Surface upon completion of this # of dives	1	"	2		∞				
	Surface if this amount of hours without stable communications (hrs)	12	и	и	"	и				
	Surface at this particular UTC times	disabled	и	и	и	5,11,17,21				
	Surface if a waypoint is hit within that distance (km)	1	"	и	и	"				
	Altimeter	off	и	а	On	н				]
	Buoyancy Drive (cc-dive, cc-climb)	-220, 233	и	-240,233	и	н				
	Pitch Control (dive, climb)	-26°, 26°	1.04",0.159"	-22°,0.159"	"	0.7856", 0.159"				
Administration / Notification	these have not been reported because are considered out of the scope of this report. Same applies for multimedia and public-diffusion (special and more intense actions taken in that aspect. Contact gliderteh@socib.es and outreach@socib.es for specific information); and also for accounting.									
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 24/7 glider monitoring during survey -which was more intense than usual-). Interaction with external partners was also very fruitful.									
Compass Error Check	Not performed									

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Principal Investigator  (e-mail or contact phone/address)	Dr Jacopo Chiggiato [CNR-ISMAR – Accessing User] jacopo.chiggiato@ismar.cnr.it (+39 041.2407.945)			
Institute	SOCIB in collaboration with IMEDEA      CNR-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	CNR-ISMAR (Jerico-Next-TNA User)     SOCIB (Accessed Infrastructure)			
Glider Software Version	Nav : 7.16 SBMB2, Payload: 7.16			
Data Retrieval (real-time [ RT ] / delaved-mode [ DM ] )	<ul> <li>RT: sub-set via satellite link at each surface maneuver</li> <li>DM: full/direct memory card backup after glider disassembly during Conclusion mission-phase</li> </ul>			
Data Available From	http://thredds.socib.es/thredds/catalog/auv/glider/teresa- cnr_teresa/catalog.html			
Further Details	mireno.borghini@sp.ismar.cnr.it glidertech@socib.es			
Global Overview	41'N			
	40.5°N  40°N  39.5°N  38.5°N  3°E  3.5°E  4°E  4.5°E  5°E  5.5°E  6°E  6.5°E  7°E  7.5°E  Figure 1 - Map providing general overview of the Survey Area			
	Online track:			
	http://apps.socib.es/dapp/?deployments=489-3-0-000033,707-21-0-990033&layers=none&units=scientific			

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