



Glider Mission Summary Report

CANALES CAMPAIGN 2018

SOCIB GLIDING SEP2018 (GF-MR-0080)



Balearic Islands
Coastal Observing
and Forecasting
System



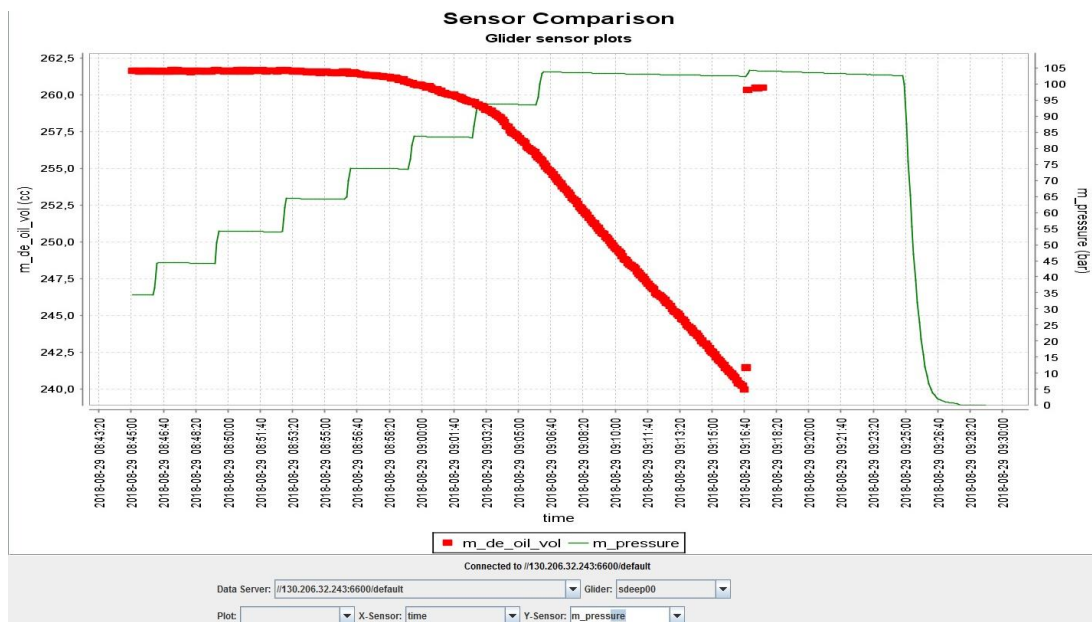
Mission Name		20180813_GF-MR-0080_SOCIB-ENL-CANALES-SET2018_sdeep00
Platform Model		Slocum 1000m G2
Platform ID / Name / WMO Code		U243 / SDEEP00 / 68457
Related Platforms / Missions		<ul style="list-style-type: none"> None
Start Date (UTC)		NA
End Date (UTC)		NA
Total Days		NA
Total distance (Km / Nm)		NA
Battery Consumption (Ah)		NA
Survey Area		Mallorca and Eivissa Channels (Western Mediterranean Sea)
Objective(s)	Establishing the variability of the N/S exchange of water masses that occur through the Ibiza Channel(IC). Sampling standard transects across the Ibiza Channel several times using physical and biogeochemical sensors. No greater than 1 month gap in between consecutive iterations. The Mallorca Channel is also sampled when operationally practical.	
Significant events	<ul style="list-style-type: none"> Oil system leak on pressure test 	

Mission Preparation

Preparation was a typical preparation

Step	Status	Comments
Hardware check	ok	Wiggling problems in SCI, DE_PUMP
Comms check	ok	SMS service out of order
Batteries check	ok	Eltec. Out of death band in DE_PUMP
Ballasting check	ok	Target density: 1025.158 g/L Tank density: 1025.705 g/L
Final sealing check	ok	New burn weight installed. DE_PUMP oddities. Leak oil system. Decided to abort this mission. See note
Fileset check	ok	
Harbor check	ok	
Compass Error Measurement	NA	Not performed.

Note: it was the first time this behavior has been reported due to it was the first time DE_PUMP was turned on during the pressure test. It is fair to comment, there always are a little leak (loose of pressure) in all performed pressure tests. This and a variation in the environmental temperature could be the cause.



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Institute	SOCIB in collaboration with IMEDEA
Project Affiliation (web-site)	http://www.socib.eu
Partnership / Participation	<ul style="list-style-type: none"> SOCIB (Accessed Infrastructure) IMEDEA (in-kind contribution)
Glider Software Version	Nav : 7.21 Acomms, Payload: 3.17
Data Retrieval (real-time [RT] / delayed-mode [DM])	<ul style="list-style-type: none"> RT: sub-set via satellite link at each surface maneuver DM: full/direct memory card backup after glider disassembly during Conclusion mission-phase
Further Details	glidertech@socib.es