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DE INVESTIGACIONES
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SOCIB
Balearic Islands
Coastal Observing
and Forecasting
System

GLIDER PREPARATION CHECKLIST

Reference: *20130131-GPC-541*

Platform:	*GLIDER SEAGLIDER*
Platform ID:	*sdeep03 (Unit541)*
Mission:	*JERICO TNA SARDINIA JAN12*
Dates:	*January, the 31st, 2012* **to** *March, the 16th , 2012*

Issue:	Glider Preparation Checklist
Description:	This document contains information on Pre-Mission and Post-Mission checklists performed to the glider for the mission *JERICO TNA SARDINIA JAN12*
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Pre-Mission Checklists

Argos Tag

Argos Tag Serial Number	**11S1081**	
Configuration according to iRobot	**Yes**	☑
Total Transmissions	**9931**	☑
Maximum transmissions expected	**45x250=11250**	☑
Transmissions end of mission < maximum	**21181<60000**	☑
Test transmission voltage > low limit	**3,38 V > 2,9 V**	☑
Test sensors voltage > low limit	**3,63 V > 3,0 V**	☑
Temperature has a reasonable value	**22,6ºC**	☑
Conductivity in air > low limit	**255 > 200**	☑
Tef-Gel on bolts	**Yes**	☑
Top bracket 1 inch from antenna's refractory band	**Yes**	☑
When antenna fixed to the glider, tag is aligned with CT sail.	**Yes**	☑

Ballasting and Sealing

Weights and foams according to updated Pinwheel diagram	**Yes**	☑
Weights and foams secured	**Yes**	☑
O-Ring present in antenna cable connector	**Yes**	☑
All connectors tightened	**Yes**	☑
Oil bladder visually inspected. Pictures taken.	**Yes**	☑
Tef-Gel on all bolts	**Yes**	☑

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Deck Tests

Access to primary and secondary basestations	**Only one BS**	☑
Argos message received	**Yes**	☑
Self-Test directory listing does not show tar files or remainder files	**Yes**	☑
Self-Test devices' limits and timeouts according to Trim Sheet	**Yes**	☑
Self-Test .log file errors	**None**	☑
Battery voltages 10V/24V	**10,8V/24,8V**	☑
Self-Test .eng file has reasonable values	**Yes**	☑
Emails received from the basestation (.pagers)	**Yes**	☑
Free space in 2 GB CF Card	**99,59%**	☑
5 simulated dives average number of connections <= high limit. Primary and Secondary numbers.	**1,4<=2	N/A**	☑
Movedata.sh to a /decktests folder	**Yes**	☑

Mission Launch

Mission started and instrument with correct sensors and parts on socib.es/Instrumentation	**Yes**	☑
Cmdfile with necessary parameters to start the mission and $QUIT	**Yes**	☑
Targets file	**Yes**	☑
Science file	**Yes**	☑
Pdoscmds.bat with first target name	**Yes**	☑
Argos message received	**Yes**	☑
Port Self-Test accepts new $PRESSURE_YINT value	**Yes**	☑
Tef-Gel on all bolts	**Yes**	☑
All sensor covers removed	**Yes**	☑
Waterline below the rudder	**Yes**	☑
Glider replies to acoustic transponder	**Not checked**	
30 meter dive shows good behaviour and no errors	**Yes**	☑

GLIDER PREPARATION CHECKLIST

Post-Mission Checklists

Recovery and Storage

Glider visual inspection	**Yes**	☑
Glider and sensors rinsed and cleaned	**Yes**	☑
Mission stopped on socib.es/Instrumentation	**Yes**	☑
Glider stored ready or for refurbishment	**Stored**	☑

Argos Tag

Total transmissions	**12047**	☑
Mission transmissions/Transmissions per day	**2116/47**	☑
Test transmission voltage > low limit	**3,30 V > 2,9 V**	☑
G Test sensors voltage > low limit	**3,64 V > 3,0 V**	☑
Tag in freezer or refurbishment	**Freezer**	☑

Data

Data on portal.socib.es/deployments to be processed	**sg541/20130131**	☑