

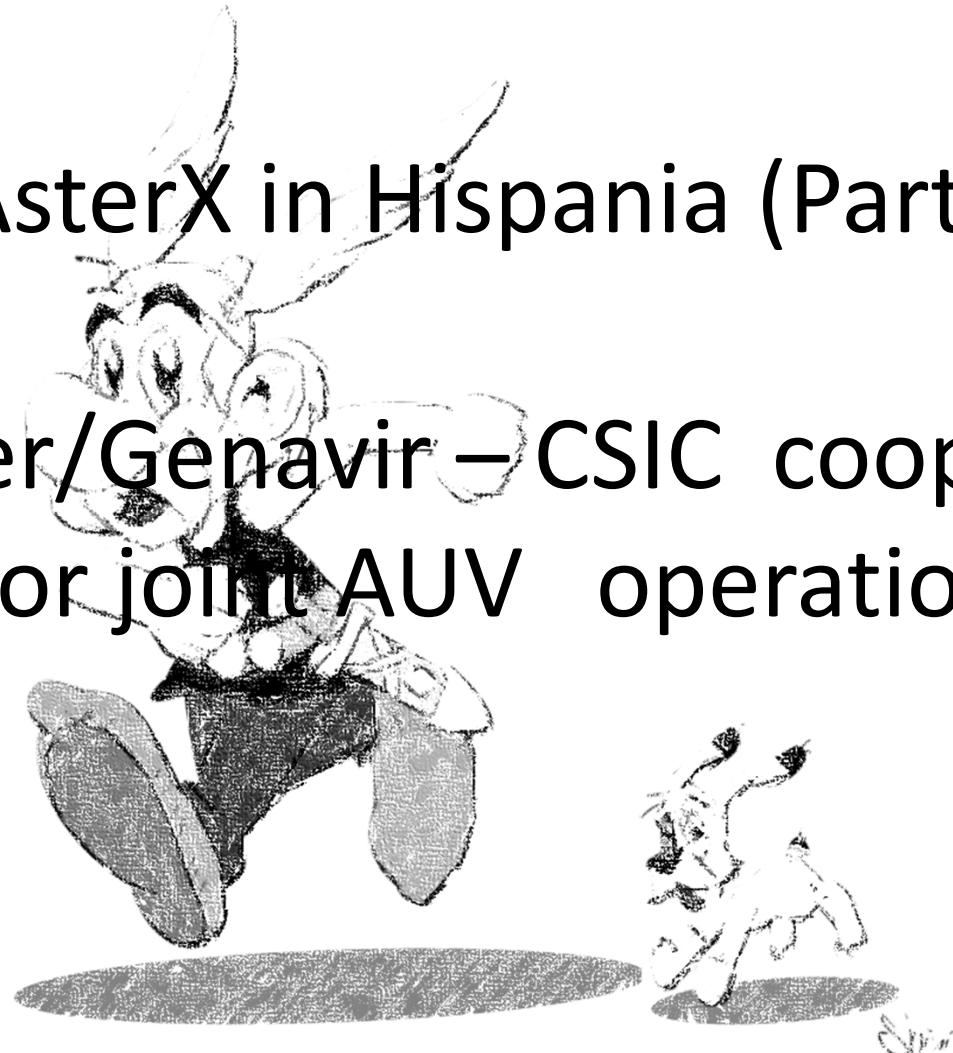


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AsterX in Hispania (Part II)

Ifremer/Genavir – CSIC cooperation
for joint AUV operations



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Summary

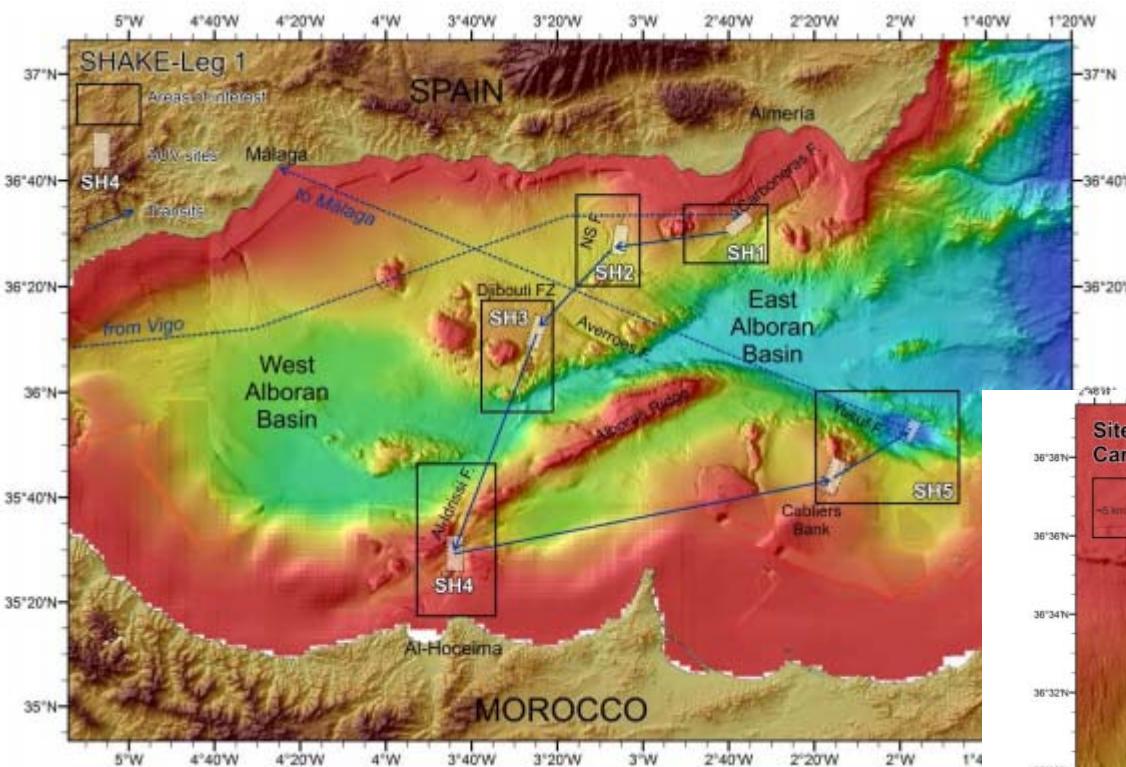
- Survey objectives / location
- System integration
- Problems. Lessons Learnt



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Survey objectives

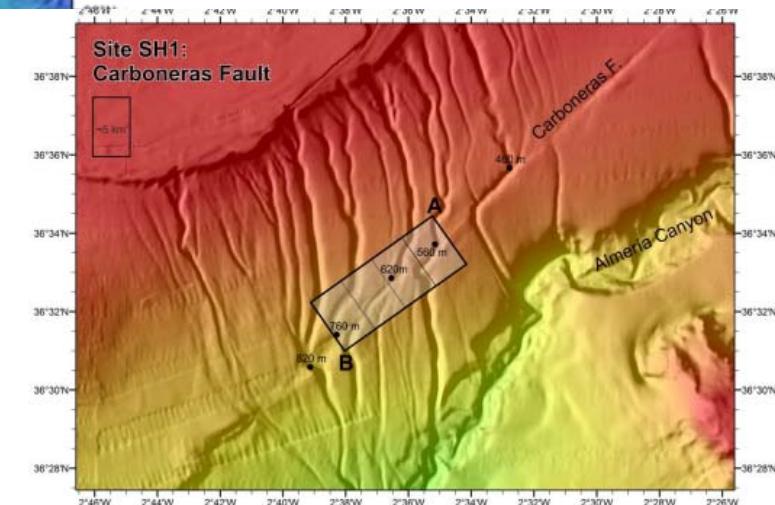
Survey objectives



5 sites .

2 to 4 working days / site

Depths: 300 - 2400 m.

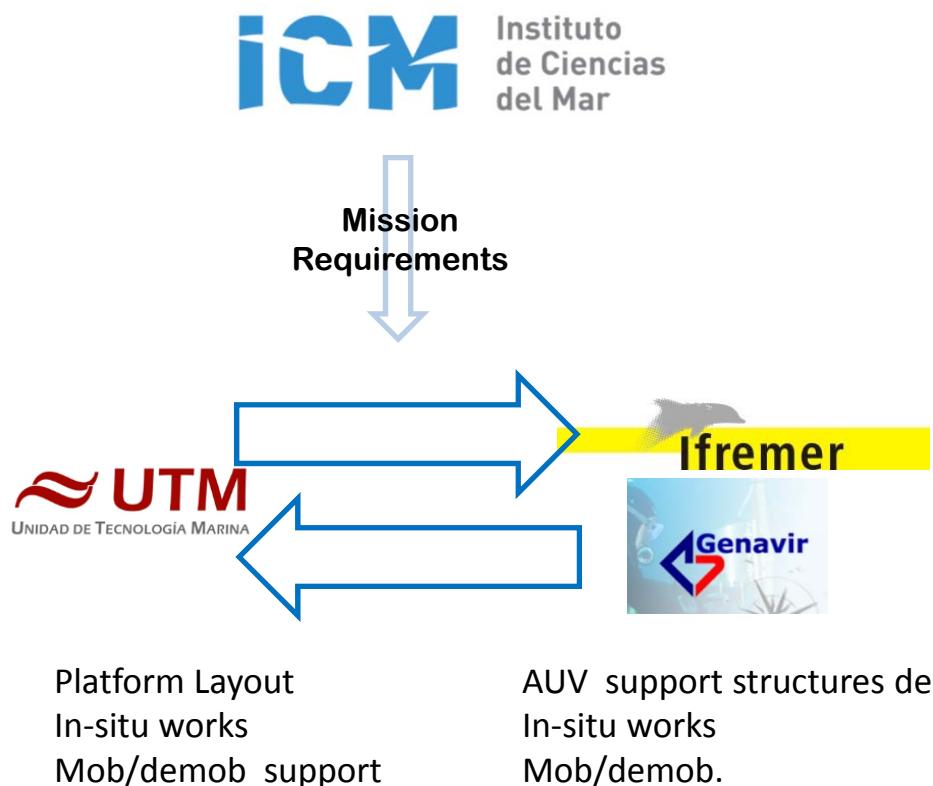


Survey active seismogenic faults at E. alboran Sea.

Use of AUV to locate ruptures and Seafloor deformations (on-fault)

Direct Inspection / sampling using ROV

System integration





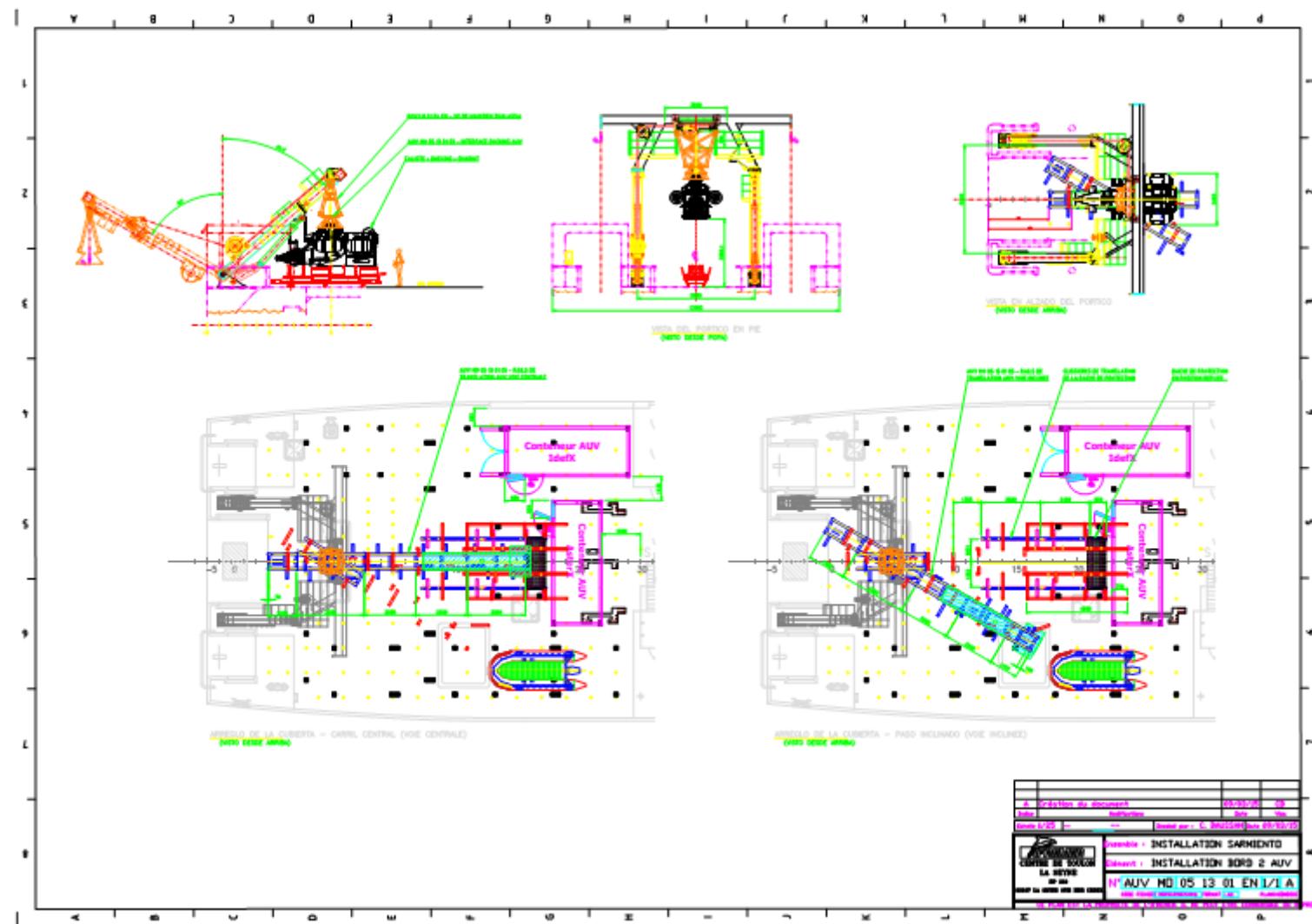
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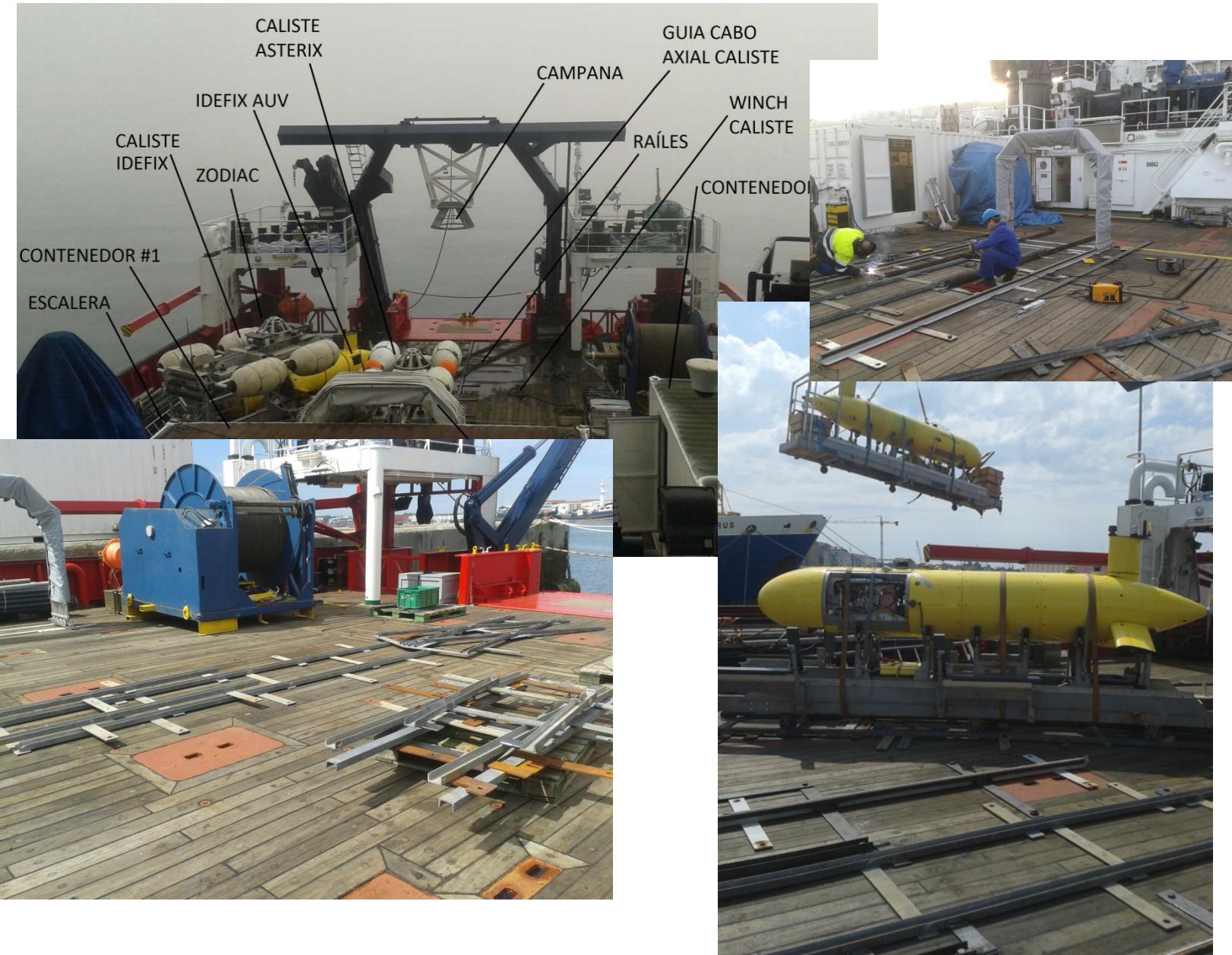


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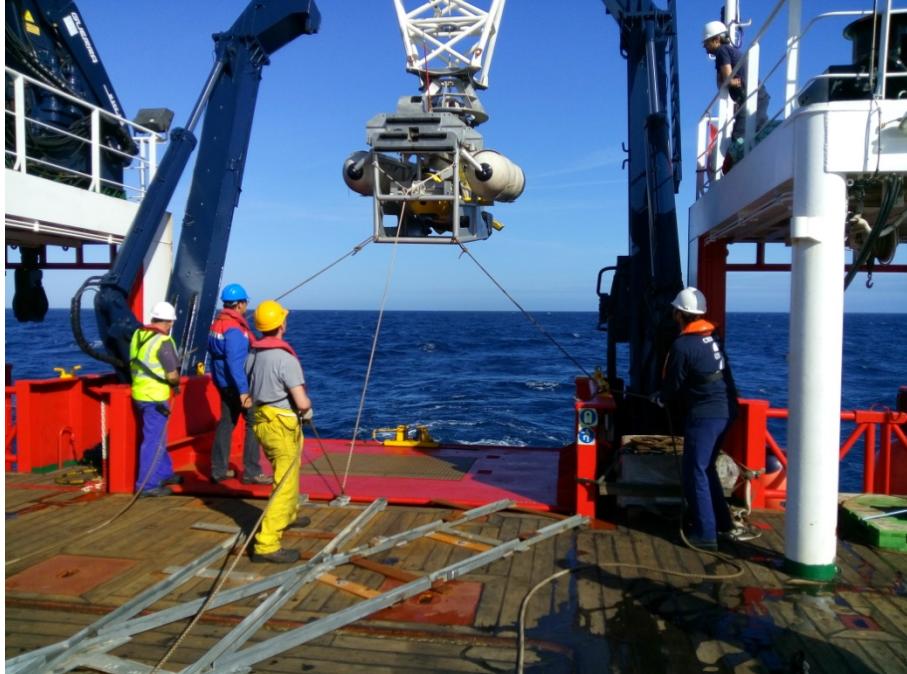




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Non-stop operations

2 x 12hrs (Idex / Aster)





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Operations

Stats

IdefX

# Dives	14
Avg. duration	12:8:0
Total duration	169:52:0
Avg time at seafloor	10:57:21
Total time at seafloor	153:23:0
Avg depth	855 m
Max depth	1835 m
Avg. distance	827.7 km
Objectives	100.0 %

AsterX

# Dives	12
Avg. duration	4:24:40
Total duration	52:56:0
Avg time at seafloor	3:27:20
Total time at seafloor	41:23:0
Avg depth	123 m
Max depth	1857 m
Avg. distance	208.9 km
Objectives	72.7 %

LE GAULOIS
REBELLE



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Incidences

- Small technical problems:
Nav, WiFi, flooding
- 3 Emergency recoveries (RIB)
- Recovery rope broke during one deployment, worn with the block
- SVP issues at processing





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Summary

**Succesful operation
Good setup for future operations**

- Clear objectives
- Good comunicación: Scientific-UTM-Ifremer
- Preparation meetings:
 - Toulon
 - Vigo
- Good flow of (technical) information