

Subject: PANDORA Fort William - 2014/10/09 - Day 4

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Date: 09/10/14 22:31

To: oceans@list-serve.hw.ac.uk

Weather conditions

- mostly cloudy
- Day Temperature: ~ 6C

Incidents and near misses

- 0 - Incidents
- 0 - Accidents
- 0 - Near misses

Personnel in place

Valerio De Carolis, Mariela De Lucas, Francesco Maurelli, Len McLean

Goals of the Day

- run high-tide data gathering, with MB mounted vertically
- run energy/fault tests

Report (GMT)

07:00 start of the day
08:15 set-up at Pier
09:20 Nessie in water, from boat
09:40 data acquisition from boat (MB mounted vertically, pan at 45 DEG anticlockwise, tilting)
10:40 stop data acquisition, securing Nessie, charging equipment
11:30 Nessie recovery and removing pan/tilt
12:30 lunch
13:30 low-tide – GPS recording of pillar positions
14:00 preparing Nessie and plans for fault tests
14:30 Nessie tests with different thruster fault level (100%, 80%, 60%, 40%, 20%, 0%)
17:30 Nessie recovery
18:15 dinner
20:30 copying data, charging equipment, analysing video and bag
22:00 call the day finished

General comments

- gap of 5 minutes in the bag recording from the boat (~50 minutes total), because disk full
- we didn't use the Nexus phone on the boat any more for GPS ground truth, as it was not really providing any good data
- currents too strong for the vehicle to correct at complete thruster fault and at 20% power.

Weather forecast for tomorrow

cloudy
Temperature about 5 DEG

Objectives for tomorrow

- run high-tide data gathering, with MB mounted vertically
- run high-tide data gathering, with MB mounted horizontally

Boat use for both runs. Each run expected to be between 1 hour and 1 hour and a half.