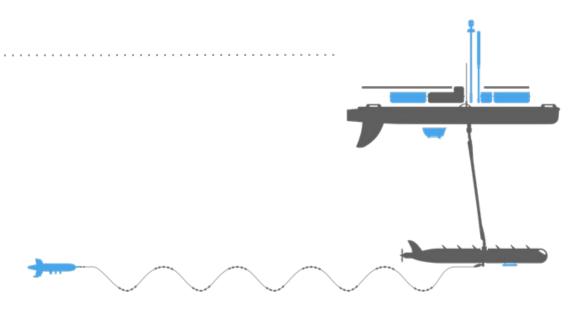


The Marine Technology Specialists

Wave Observations – Equipment, Applications and Methods

Terry Edwards Technical Director – RS Aqua Ltd t.edwards@rsaqua.co.uk



www.RSAQUA.co.uk



Why are we here?





Topics for today



- Sensors & Systems
- Applications
- Data distribution
- Data the hard way
- Data the easy way



Sensors, Systems, Data & Software



RSAQUA



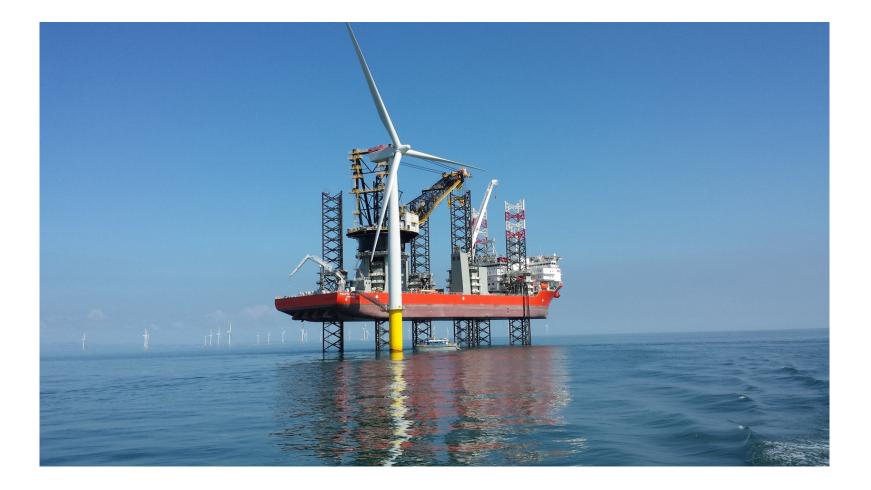


Application 1: Operations





Application 2: Advanced Operations





Application 3: Safety Monitoring





Application 3: Safety (& Comfort!) Monitoring





Application 4: Structural Monitoring



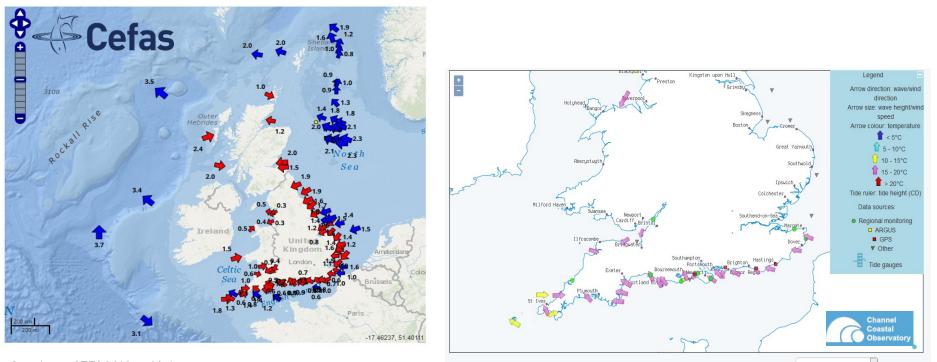


Application 5: Coastal Monitoring





Data Distribution



Courtesy, CEFAS WaveNet

Courtesy, Channel Coastal Observatory



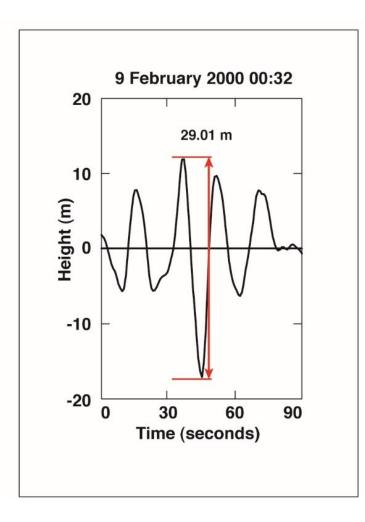
Data the hard way!

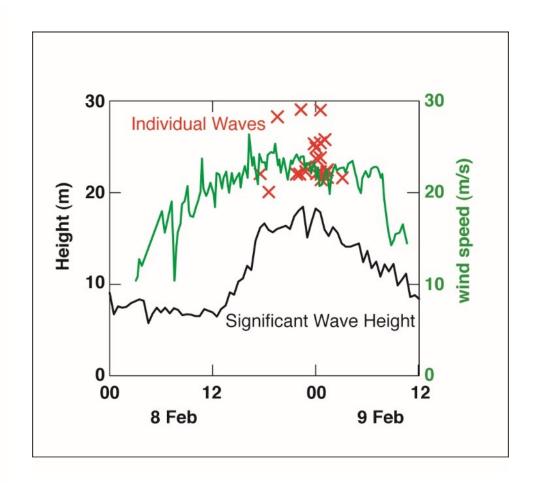




Courtesy Penny Holliday, NOCS









BODC	British Oceanographic	a state of the	Home	Contact us	Glossary	Site map	search BODC
	British Oceanographic Data Centre NATURAL ENVIRONMENT RESEARCH COUNCIL				and the second second	My account	Register
			About us	ata 🕨 Project	s Partner	s Produ	cts Help a

Where to find data

- Online delivery
- Published Data Library
- Information and inventories
 - **Biological data**
 - Chemical data
 - Cruise inventory
 - EDMED
 - GLOSS Station Handbook
 - NERC Data Catalogue Service
 - Summary of BODC
- Code and format definitions
- Submitting data to BODC
- Portals and links



Cruise inventory

RRS Discovery D245

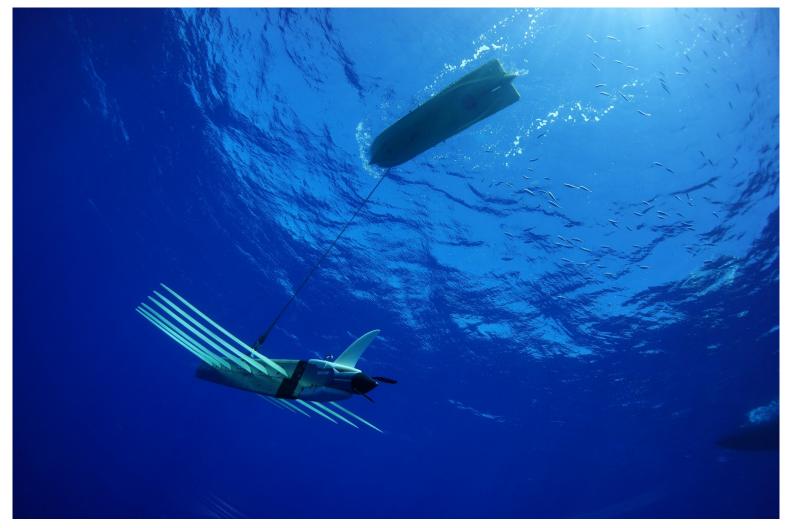
Cruise summary report

Cruise invent

Cruise Info.			
Ship name (ship code)	RRS Discovery (<u>74E3</u>)		
Cruise identifier	D245		
Cruise period	2000-01-27 — 2000-02-20		
Status	Completed		
Port of departure	Southampton, United Kingdom		
Port of return	Southampton, United Kingdom		
Purpose	Research		
Objectives	 1) Occupy the Ellett Line (Sound of Mull to Rockall) and the SOC extension to Iceland. Due to atrocious weather conditions we didn't even make it to Rockall, 23 nm short. 2) Recover 5 current meter moorings deployed on Challenger 143 - Y, F, M, 2 in Muck Hole. All recovered except F which was subsequently recovered on an RVS trial trip in April 2000 on Charles Darwin. 3) Sample for nutrients for the entire cruise. 4) Take cores from the Muck Deep. 		
Chief scientist	Colin R Griffiths (Scottish Association for Marine Science), N Penny Holliday (Southampton Oceanography Centre)		
Cruise report	(2.09 MB)		
Ocean/sea areas			



Data the easy way!



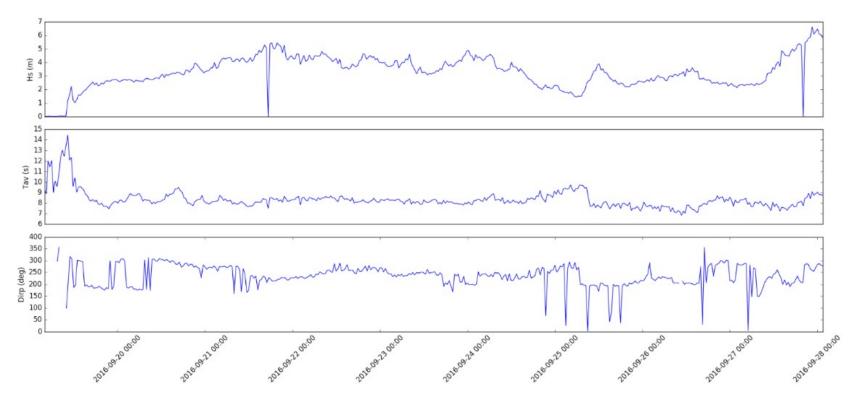
Courtesy LIQUID ROBOTICS



Liquid Robotics Wave Glider[®] unmanned surface vehicle

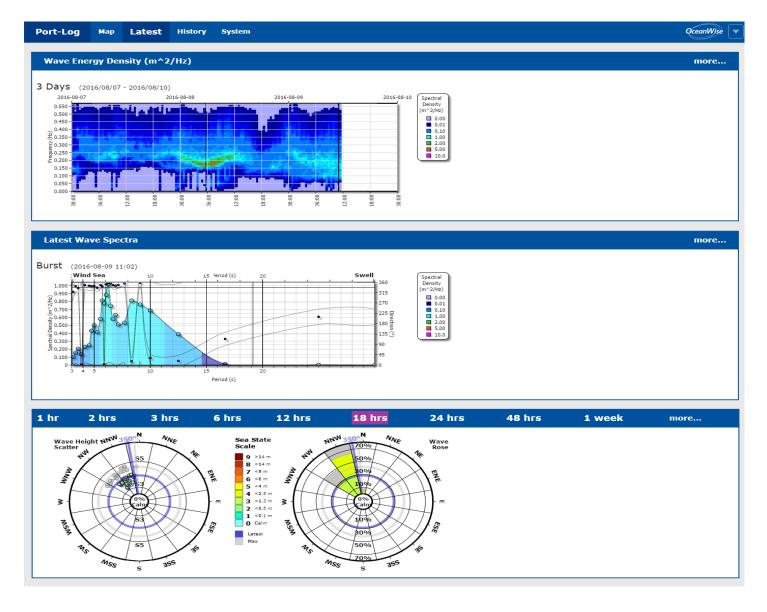


Wave Parameters: SV3-127





Data Presentation / Distribution / Archiving





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Thank you for listening!

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