

AT37-08: PMaG Expedition- Jan 15th to Feb 21st 2017

Pito Deep – Fast Spread Lower Crust, the 3rd Dimension of Magnetic Stripes & New Found Hydrothermal vents

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*Jason II
&
Medea*

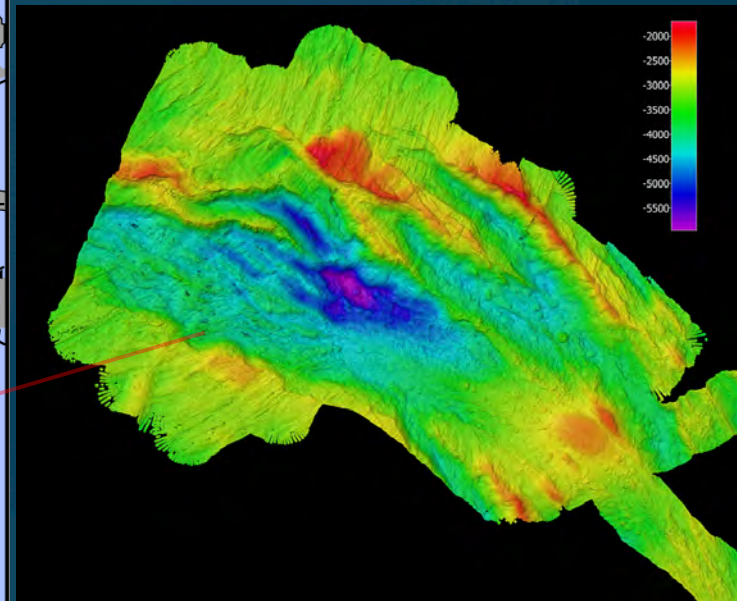
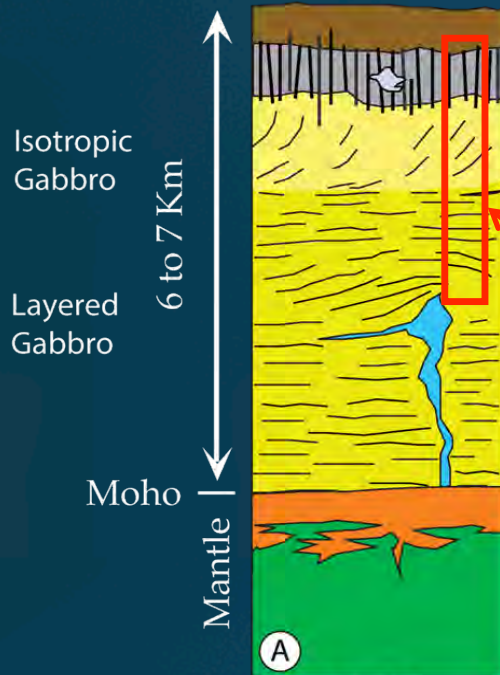


Lucas Kavanagh

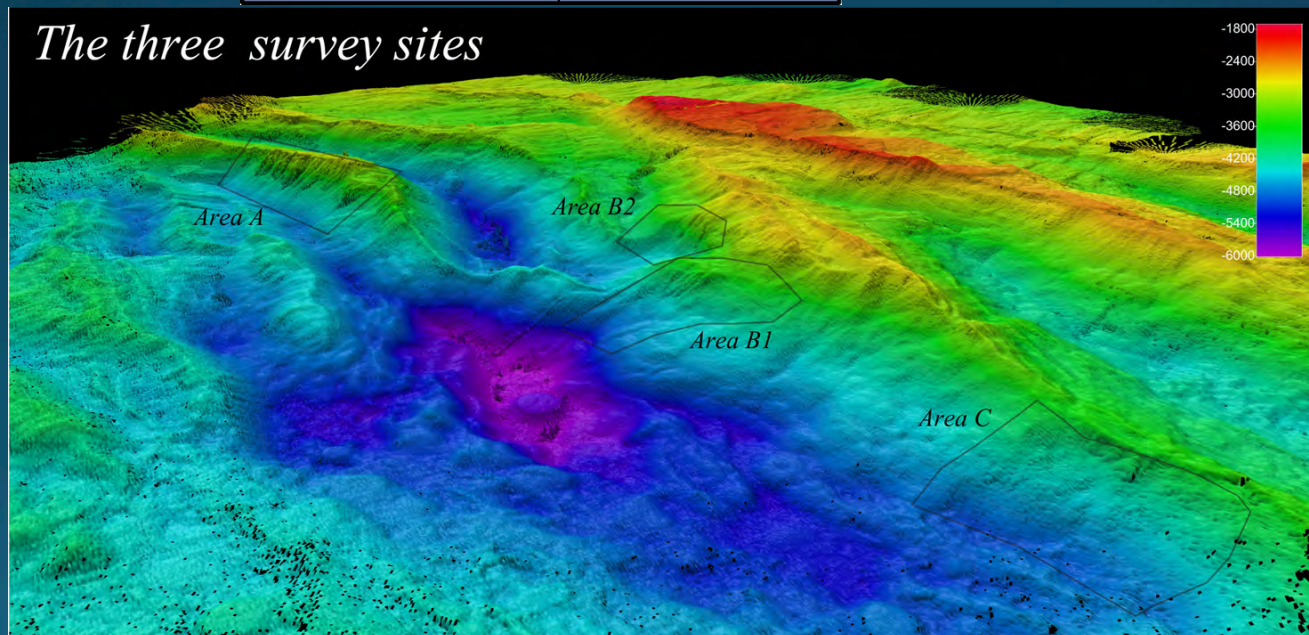


Jeff
Gee:
Orientation
tool

Where? - Pito Deep- EPR



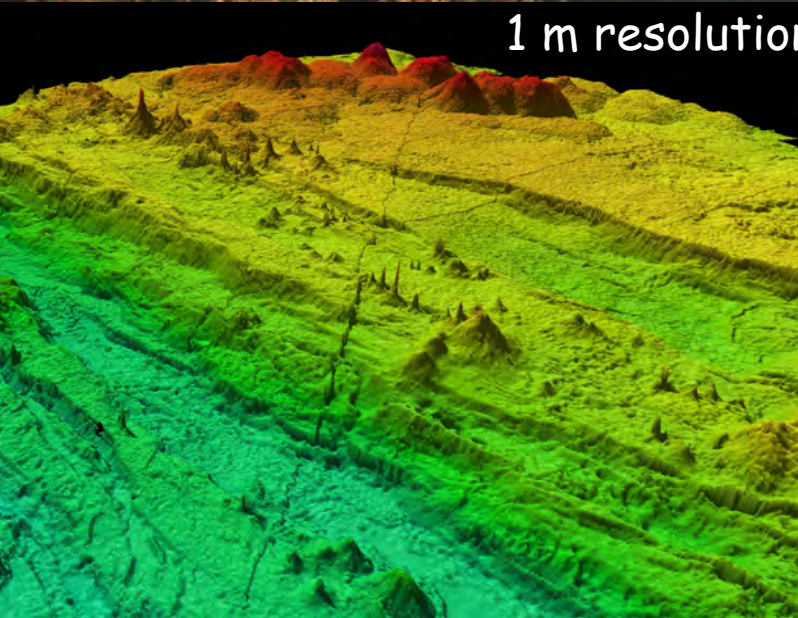
The three survey sites



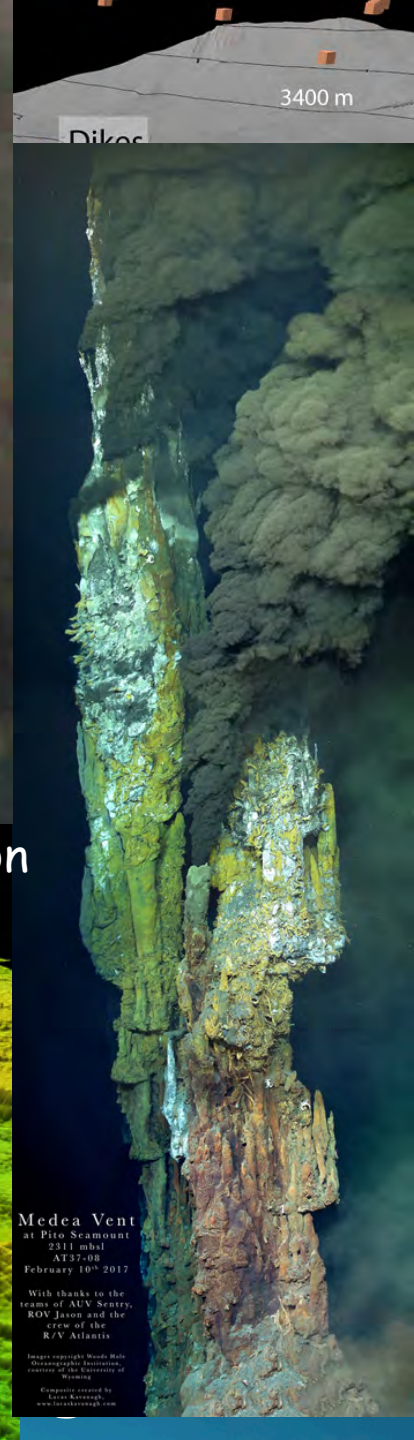
~ 35km long section

Results:

- i) Most detailed 'mapping' of *in-situ* lower crust to date
- ii) Constrained the 3rd dimension of the magnetic stripes
- iii) Discovered new hydrothermal vent field & 5 new active black smokers



1 m resolution



Medea Vent
at Pito Seamount
2311 mbsl
AT37-08
February 10th 2017

With thanks to the
teams of AUV Sentry,
ROV Jason and the
crew of the
R/V Atlantis

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