

Expedition Log for IODP Expedition 313 New Jersey Shallow Shelf

Week 4 - 24th May

Simon Barry from Montpellier explains the work of the petrophysicists on board the NJSS platform.

Loggers Delight

We are onboard the L/B *Kayd* to perform the wireline borehole geophysics (logging). Our work consists of sending a suite of probes down the cored borehole to measure the numerous physical properties of the continental shelf below our feet. The probes each measure a different property of the rock, for example electrical resistivity, acoustic properties, natural radioactivity, magnetic susceptibility and borehole geometry.

Thanks to all of these measurements, the information we gather will help in further characterising and understanding, each of the geological horizons encountered down the entire length of the borehole.

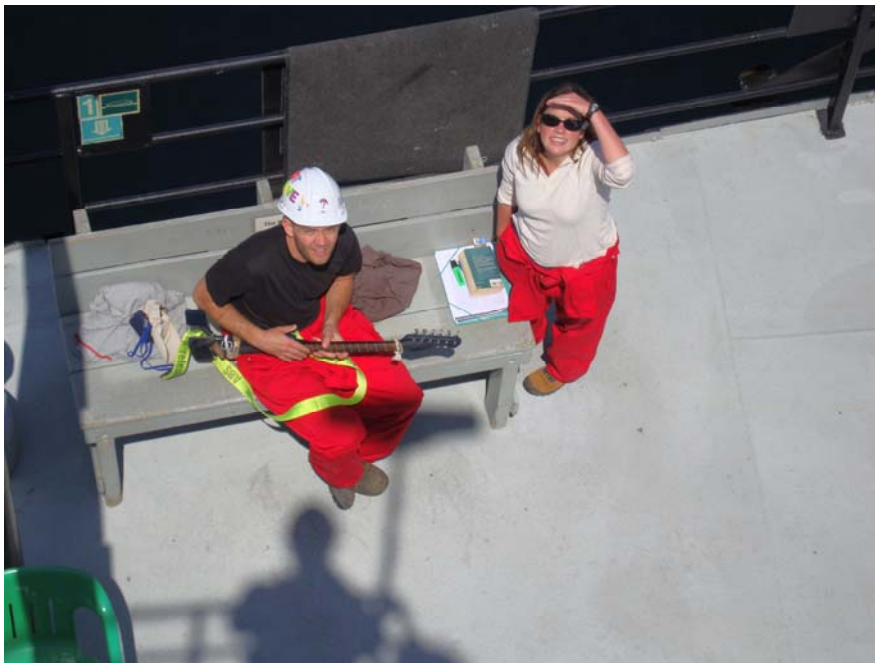


Photo 1. Simon Barry and Vanessa Hebert checking one of their 'tools' (Photo: Dave Smith@ECORD/IODP)



Photo 2. Wireline Logging underway, with Vanessa, Jenny and Simon. Our job is two fold. We carry out our observations with both a technical and scientific eye. Whilst operating the winch, not only do we have to make sure that all is functioning properly mechanically and electronically, but more importantly we have to verify and validate the quality of the data as the measurement is made. (Photo: Susanne Stadler©ECORD/IODP).

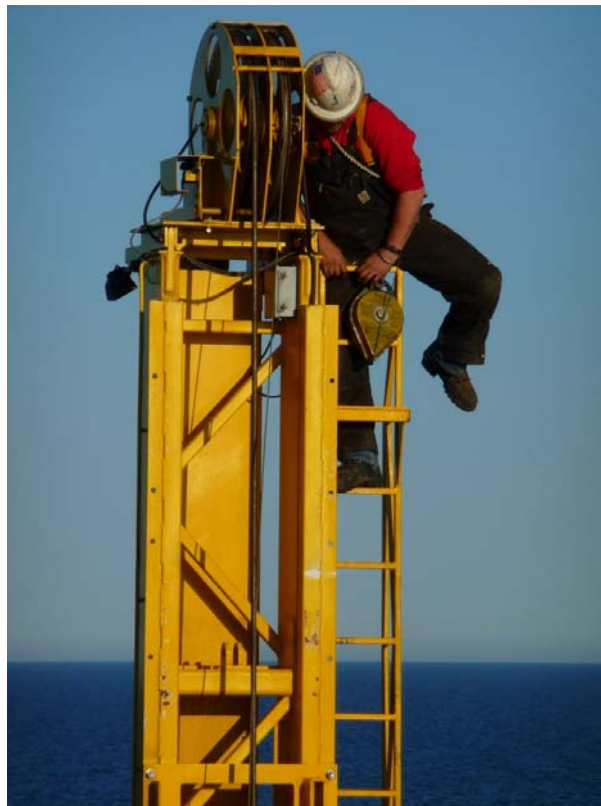


Photo 3. Chris Delahunty from DOSECC attaches a wireline counter to the top of the rig so we know at what depth the tools are (Photo: Carol Cotterill©ECORD/IODP).