

16th April 2016 – 22nd April 2016

1. Hole summary

Hole	M0077A
Latitude	21°26.996' N
Longitude	89°56.968'W
First core	N/A
Last core	N/A
Cores recovered	N/A
Drilled length (Coring)	N/A
Drilled Length (Open Hole)	503 m
Recovered length	N/A
Depth in hole	503 m
Hole recovery	N/A

2. Science

On April 22nd, some material was recovered during clearing the borehole. While most of the material was cement, some mud from the formation was recovered from the base of the hole near 503 mbsf. Upon examination of the nanofossils and foraminifera within the recovered sample, the biostratigraphers concurred the material was of Eocene age. Specifically, the nannofossil zone is identified to be upper part NP12, approximately 51.5 to 53Ma. This finding lends confidence to the drilling plan to start coring at 500m in order to core through the PETM on route to the K-Pg.

3. HSE Activity

N/A

4. Outreach Activity

Scientists and ESO staff have been updating the expedition blog at;
esoexpedition364chicxulubimpactcrater.wordpress

5. Figures

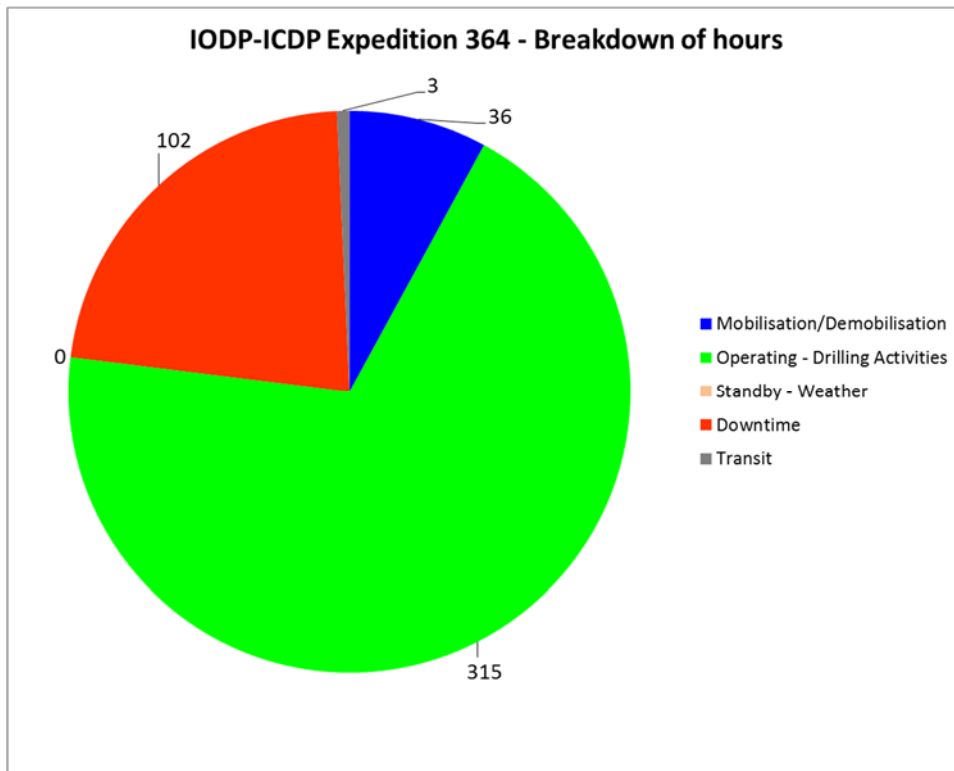
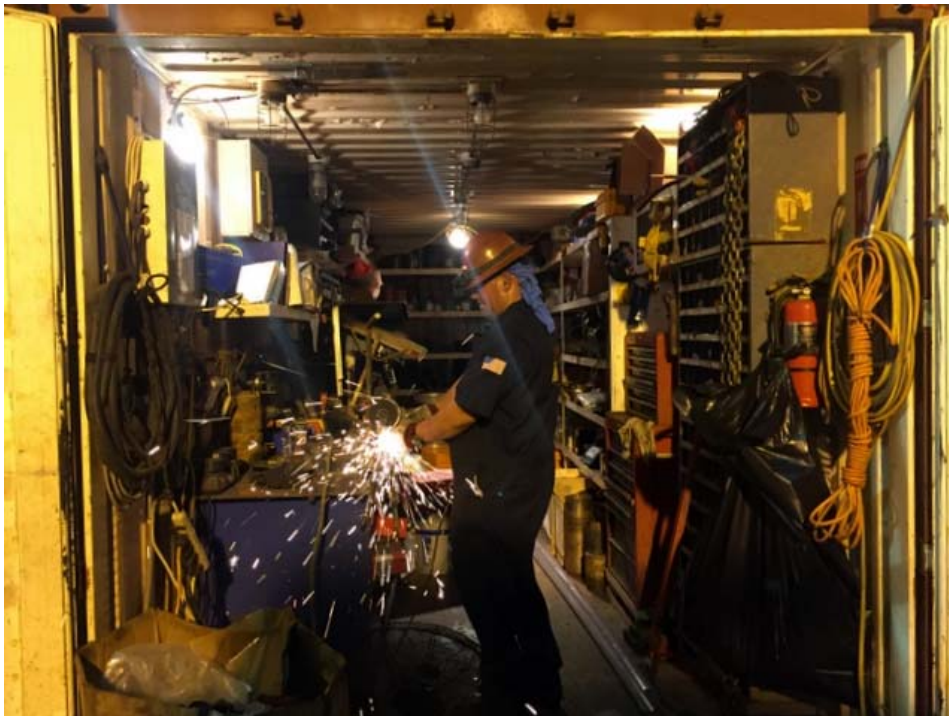


Figure1: Breakdown of hours from 00:00 April 16th to 24:00 April 22nd.

6. Photographs



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GTulloch © ECORD_IODP