IODP-MSP (Exp. 364) VISUAL SECTION UNIT DESCRIPTION

Exp. 364  Site 77  Hole A  Core 40  Type R  Section 2

Core Disturbance

Date 26 Sept 21:30  Observers KG, DK, PC

[cm] Image

Unit # Lithology Veins and Alteration Structures Burrows Lithofacies Fossils

0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

Description

Fine sandstone in the matrix.
Outsize clasts are minor (~2mm)
Matrix is mainly laminated.
Fines and in matrix.
Matrix supported
Outsize clasts are relatively abundant (~5mm in size).
Matrix: 2-55% (95%)
No clear boundaries such as erosional features.
Lamination part is not clear and continuous.
(Dissolution features or pressure solution?)
Matrix-supported.
Micro-breccia
Grains are well rounded.
Many calcareous clasts.
Maximum 1.5cm but mostly (~5mm)
Greenish grains (~5mm)
Are also abundant.
Potentially altered slightly.

UNIT CLASS: SED
TYPE: Impactite
Components: Melt-bearing
Breccia (melt-poor < 25%)

≤ 115, 117 cm: Pyrite (locally in size)
CT: Luminated part: Light gray
High reflectivity, high grain number
Gray rich part: Dark gray

~15 cm outsize clasts
Light gray to white in color

Unidentified black clasts
Large number of vesicles (partially filled)
Microcrystalline matrix.