


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

Exp. 364	Site 77	Hole A	Core 267	Type R	Section 3
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Date 8.10.16	Time 11:30	Observers JP, AR, LF, M
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[cm]	Image	Unit #	Lithology	Veins and Alteration	Structures	Core Disturbance	CT	Description
0		31 33 53 64	Granite.				Granite Facies	① Coarse-grained granite, locally deformed, with k-feld (up to 2,5cm), plag (2cm), Qtz (1cm), and biotite (<0,5cm), homogeneously distributed. Network of fractures
10								② 0-31cm - Pervasive shear fractures on cm-cm scale, white fill. Sub-mm thickness
20								② 26-31cm - Pervasive shear fabric with Breccia inclusions in the shear fabric.
30								② Contact to Impact Melt is gradational through a 3-5cm band of Breccia material with large and small melt clasts.
40								② Impact melt, light-grey to black, clast poor. Flow texture/shlieren larger than core Ø. Clasts up to ca 1,5cm, rounded to sub-angular, partially digested. Melt rock clasts and granitoid almost entirely digested. + rare dolomite.
50								③ Suerite, dominated by black melt rock clasts (containing undigested clasts), up to 2,5cm in size and other basement rocks clasts from angular to sub-rounded.
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								
160								

Riza

DK
+ Clay
KA

Axel

① Granite Facies
 ② homogeneous, light, contact to granite is darker
 ③ clasts of lg, B in matrix