

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

Exp. 364	Site 77	Hole A	Core 280	Type R	Section 1
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Date 10.10.16	Time 15:50	Observers LF, NP, NT
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[cm]	Image	Unit #	Lithology	Veins and Alteration	Structures	Disturbance	Core	CT	Description		
0		①	Suevite						<p>① Suevite with gray matrix and clasts, rounded to angular, up to 5cm in size.</p> <p>clasts = black melt, dark grey melt with "mylonitic fabric", dolerite, gneissoid, mafic, etc.</p> <p>Black melt at 15.5 - 18.5cm with flow texture and non-digested clasts. (> Ø cae).</p>		
10										Suevite & Granite facies	
20											
30											
40											
50											
60											
70			②	Granite						<p>② Medium- to coarse-grained granite, brownish in color, locally highly deformed; K-feld (1cm), ^(calcic albite) plagi (1cm), qtz (1cm), and biotite (<0.5cm). Locally greenish-reddish (alteration). + sphene.</p> <p>@ 94-101 - Aplitic zone.</p>	
80											
90											
100											
110											
120											
130											
140											
150											
160											

103 cm: 150/80 Li 100/65
 114 cm: 160/65 Li 125/55 + 3
 30-40 cm: cataclastic zone < 2cm which, locally cross cut by shear fractures, in other parts cataclastic cross cuts shear fractures
 40-85 cm subparallel sets of shear fractures, green fill < mm, cross cut by cataclastic zone at 76 cm, which itself is cross cut by shear fractures
 multiple senses of displacement