


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

Exp. 364	Site 77	Hole A	Core 198	Type R	Section 1
-------------	------------	-----------	-------------	-----------	--------------

Date 5.10.16	Time 7:30	Observers NP, AR, LF, NT
-----------------	--------------	-----------------------------

[cm]	Image	Unit #	Lithology	Veins and Alteration	Structures	Disturbance	Core	CT	Description		
0			granite		u			Granite	54-58cm S 25/50 L 15/45 - (2)		
10					u				Granite and dolerite facies	6-11cm - Shear fault with white and grey fill (<2mm)	
20				1						18-38cm - pervasive fracture network, spacing ~1cm. Truncated dolerite dykes not visible on core surface. Contact surface is highly irregular.	
30											
40											
48				48							43-61cm - pervasive fracture zone that grades into dolerite contact. The fracture zone incorporates irregular brittle fragments of dolerite. (1mm in size)
50				61							
60					dolerite (aphanitic)		gn				48-61cm Irregular granite-dolerite contact
70				2							66-73cm - granite clast with multiple steep fracture sets that do not continue into the dolerite. Lower contact partially dispersed. (from 6 to > core Ø).
80											70-94cm - mm sized black veins and cm sized red-brown alteration.
89											
90											
100											
110									① Deformed coarse-grained granite with k-feld (<2.5cm), plag (<2.5cm) quartz (<2cm), biotite (<0.5cm) homogeneously distributed.		
120									② wavy to planar contact (sharp). ~Aphanitic dolerite, plag (<2mm), pyr (<2mm) with network of veins, black (<2mm), and red/brown veins/zones (up to 1cm).		
130											
140											
150											
160											

Boel 48-50

R16a 50-60

LF 60-70

OK 70-80

89

Temil 90