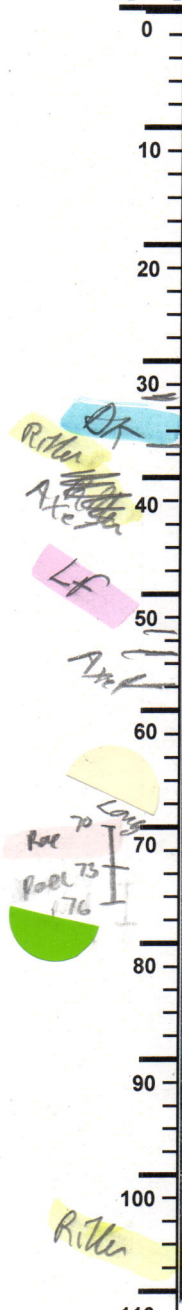
IODP-MSP (Exp. 364) VISUAL SECTION UNIT DESCRIPTION

Exp.	Site	Hole	Core	Type	Section
364	77	A	202	R	2

Date	Time	Observers
5/10/16	9:~~30~~	AK, MP, LF, MA



Unit #: 1 Granite; 2 Polymict melt-bearing breccia; 3 Granite

Lithology: 33, 50, 71, 75

Veins and Alteration

Structures: M, M, u, u, u

Core Disturbance

CT: Granite facies ten darker grey suevite. (low D and high Z), dolerite facies in clasts at upper and at bottom.

Description

12-14cm –
S 195/70 L 130/45 – (3)

0-48cm – Shear fracture network cm-spacing, white-fill, Possible conjugate sets.

33-50cm – Granite – suevite contact smooth and curvi-planar (sharp).

68-74cm – Diffuse margin between suevite and granite, with granite schlieren in suevite.

70-106cm – Pervasive shear fabric in Granite with incorporation of dolerite

104-108cm – smooth but non-planar contact.

① Coarse-grained granite, K-feld (2,5), plag (2cm), Qtz (2,5cm), and biotite (<0,5cm) (with network of fractures).

② Polymict melt-bearing breccia (suevite), with clast up to 1,5cm, mainly granite and dolerite, from sub-angular to subrounded; some partially digested, other vesicular and with diffuse margin. Matrix grays to darker grey-greenish

③ Highly deformed granite "intermixed" with dolerite.

@ 105-110cm – Aphanitic dolerite