

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

Exp. 364	Site 77	Hole A	Core 277	Type R	Section 3
-------------	------------	-----------	-------------	-----------	--------------

Date 10.10.16	Time 11:35	Observers LF MP
------------------	---------------	--------------------

[cm]	Image	Unit #	Lithology	Veins and Alteration	Structures	Core Disturbance	CT	Description
0		1	Suevite			None	Suevite LG, high D low Z, clasts with variable Z & D	<p>Suevite, very polymict, with light grey matrix. Clasts from less than a few mm to larger than core ϕ, from angular to sub-rounded (melt fragments with highly irregular margins).</p> <p>Types of clasts include granite (highly deformed), clast-rich impact melt-rock, gneiss, mafic, etc. (+ddelite)</p> <p>[Not porous so porous compared to previous section; less altered?]</p> <hr/> <p>From 0-50cm several sub vertical anastomosing shear faults ~ 5mm thick, that truncate both matrix and clasts. Dextral shear, throw >10cm. Deformation has a ductile appearance.</p>
10								AX
20								LF
30								
40								LG
45								LF
50								
55								DK
60								LF
70								
80								
90								
100								
110								
120								
130								
140								
150								
160								

Tiny, less than 0.5mm Pyrite in porous zones

matrix + impact melt contact