

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

Exp.	Site	Hole	Core	Type	Section
364	77	A	42	R	2

Date	Time	Observers
27/09/16	10:19	MW, MP, LP

[cm]	Image	Unit #	Lithology	Veins and Alteration	Structures	Disturbance	Core	Description
0								Suevite - Lithoclastic packstone to rudstone similar to above
10								0-21cm - similar ↑ max clast size 5mm
20								21-35.5 - similar ↑ but more coarse grained at top + more matrix - so only ~30% clasts @ top 5cm max clast 1cm
24				LF 2cm Dark clast + melt (white)				35.5-52 - possibly several ↑ but subdivision difficult as coarser clasts scattered thru mid - upper part of interval grading not as well developed max clast = 5mm back to 40-50% clasts
26								52-76 - similar to other overlying ↑ max clast size 6mm
30								76-109 - ↑ similar lithologically but differs sedimentologically
40								76-86.5 - upper part w/ coarse clasts up to 1.5cm and more matrix - some subangular
50								86.5-94 - coarse to med. sand
60								94-109 - fine to med. sand - w/ vertical pipe
70								109-120 - series of 5 cm-scale ↑ range planar lamination, most grade from fine-med sand size, uppermost w/ max clast of 3mm, base w/ stylolitic laminae
75.5				LF 1.5cm Vesiculated carbonate clast melt				120-142.5 ↑ 120-126 - Lithoclast packstone fine-coarse sand size. 126-132 - Lithoclast packstone with a few clasts up to 4mm
77								132-142.5 - Lithoclast rudstone, max clast 2cm
80								Clast population in "fine-grained" section is the same as in previous sections, dominated by green altered glass, and in same proportions.
90								• 21-27 - Largest carbonate melt clast 15mm - Unshocked / Fault? clast 4mm Pyrite filling vesicles in clasts
100								119.5 LG (low) (Shy/uh? - Matrix rich band) Large black clast (3mm) (spherical in shape)
110								• 75.5-86: Large vesiculated carbonate melt clast (16mm) Large green altered glass clast with red inclusion filling vesicles (16mm) Pyrite filling ~15mm
120							• 131-143: Large (14mm) grey melt clast with flow top Large (20mm) green melt	
130			DK 2cm Sample veinlet				Veinlet 119-138 - filled with dark gray colored green	
134							CT: See CT section / Same as previous core sections	
136								
140								
150								
160								