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

Exp.	Site	Hole	Core	Type	Section
364	77	A	266	R	1

Date	Time	Observers
8.10.16	10:00	AR, MP, LF, NT

[cm] | Image | Unit # | Lithology | Veins and Alteration | Structures | Core Disturbance | CT | Description

Tomio

LF

Unit #	Lithology	Structures	CT
1 (43)	Clast-rich impact melt rock	U	Melt-rich zones - low D, low CT # Banded Dark zones
2 (68)	DGM	U	Similar to melt Rock but with less Dark material
3 (69)	Granite	GN, GN	Granite facies - with less Adaf.'s and fractures.

Description

① Clast-rich melt rock with clasts of granites (no other lithology seen) from mm to larger than core Ø; from rounded to sub-angular; partially digested.
Melt, light-grey to black with vesicles up to 2 mm; flow texture horizontally oriented.
Granite clast has 3cm band of pervasive shear foliation next to intact 3cm K-Fsp grain, @34cm striations within melt and granite S 165/55 L 180/50 – (4)

② Granite with melt zones larger than core Ø, K-feld up to 2 cm, Qtz (< 1cm). Original texture of granite very poorly preserved. Melt from grey-greenish to dark brown – (schlieren)

③ Coarse-grained granite, locally deformed, greenish in color, K-feld (up to 3cm), plag (1,5 cm), Qtz (1,5 cm), and biotite heterogeneously distributed. Reddish qtz.

68 - 122cm – Sub-parallel Shear fractures mostly single fractures with green-fill sub-mm, some anastomosing, up to 2cm thickness, and two with local porosity. Truncated by secondary shear fractures.