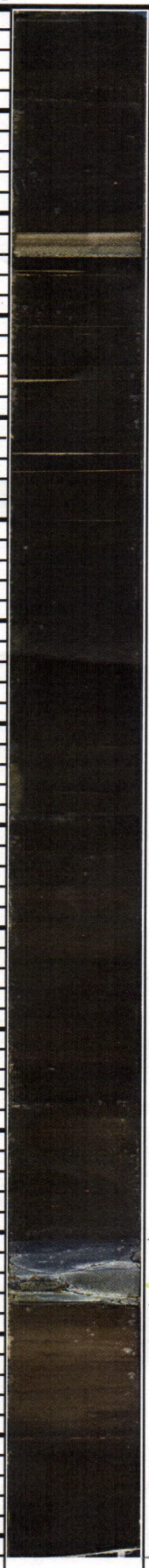
IODP-MSP (Exp. 364) VISUAL SECTION UNIT DESCRIPTION

Exp.	Site	Hole	Core	Type	Section
364	77	A	6	R	1

Date	Time	Observers
23/09/16		EC/MW

QUOTATION

COTE



[cm]	Unit #	Lithology	Veins and Alteration	Structures	Burrows	Ichnofabrics	Fossils	Core Disturbance	Description
0–20	1	marlstone	11 and 21 cm veins (calcite)						Laminated marlstone 2.5Y 3/2 very dark grayish brown. - Few nodules → don't react to HCl (~2mm) - Between 22.5 and 25 cm, lighter interval 2.5Y 3/3 dark olive brown. CT facies: 0 to 10 cm = light grey; 10 to 22 cm = dark grey ⊕ a black line between 21-22 cm
20–22.5	2	limestone (22.5 m)							coarsening up limestone (turbidite?) 2.5Y 5/2 grayish brown
22.5–25									at the base, subangular clast (shell? other...) ~~[illegible]~~ pyritised. ⊕ planar dark (organic?) 25 to 24 cm; same observations 24 to 22,5. CT facies: white to light gray (high density, high atomic n°)
25–122,5	3	marlstone (25 cm)				1			Laminated marlstone with forams 2.5Y 3/2 ↳ several continuous and lenticular lighter beds 2.5Y 6/2 (thickness 1 to 3 mm) (light brownish gray) at 44,5 m, coarsening up (3mm thick). ↳ reaction to HCl. down up 51 cm. ↳ from 51 to 122,5 m, laminated marlstone 2.5Y 3/2 with few burrow between (ichno 1) 66 cm et 77 cm → very dark grayish brown. ⊕ few nodules (~1 mm to 2 mm) ↳ don't reacted to HCl. CT facies: - white = 0 to 25 cm; - light grey = 25 cm to 55 cm; - dark grey to black = 55 cm to 70 cm; - light grey = 70 cm to 120 cm
122,5–129	4	claystone							GLEY 2 4/1 sharp limitations at the base and the top → CT facies black; lighter interval 126/129 cm with pyrite (1cm) → CT facies white. GLEY 2 5/6BG
129–150	5	marlstone (129)							Marlstone laminated 2.5Y 3/2 very dark grayish brown with lighter interval 142 cm (1cm thick) containing foram and clast (mm). 2.5Y 6/4 light yellowish brown.