

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

Exp. 364	Site 77	Hole A	Core 6	Type R	Section 2
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Date 23.09.16	Time 14:15	Observers C.R.
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[cm]	Image	Unit #	Lithology	Veins and Alteration	Structures	Burrows	Ichnofabrics	Fossils	Core Disturbance	Description
0		1	marlstone				1	Forams		+ Laminated Marlstone + Colors: 2.5Y 3/1 very dark grey, 2.5Y 3/2 very dark greyish brown, 2.5Y 2.5/1 black -> vary bet/ layers. + At cm 7.5, 9, 12.5 + 3 lighter layer/lenses, color: 2.5Y 6/2 light brownish grey + Nodules 7.5, 10, 12.5 cm -> NO react. on HCL, color: 2.5Y 3/1 very dark grey + Forams throughout section CT: 1st 5 cm black: atomic # ↓ density ↑ & ↓ 2nd 10 cm dark grey atomic # ↑, density ↓ 3rd 12.5 cm both moderate (#1)
10		2	claystone				1			Color 2.5Y 4/1 dark grey, no lamina/no struct. sharp contact betw. unit 1 & 3. #2
20		3	Marlstone				1	Forams		+ laminated marlstone (colors as U. 1) + throughout unit - lighter layers, thickness varies bet/ 3-1 mm, color 2.5Y 6/2 light brownish grey. - only few appear a little bit coarser than the rest of the unit + Nodules, color 2.5Y 3/1 very dark grey, at 61, 62, 73 cm - NO react. on HCL + Forams throughout unit
30		4	marlstone				2			*1 wavy lamination betw. 2.5Y 3/1 very dark grey & 2.5Y 4/1 dark grey layers. Burrows filled w/ clay
40		5	claystone				1-2		L	color 2.5Y 4/1 dark grey, potentially slight lamination but disturbance. #4
50		6	Marlstone				1	Forams		+ Laminated Marlstone - same colors as in unit 1 & 3. + Only few light layer (same colors as 1 & 3) + Nodule at 110 cm - 2.5Y 3/1 very dark grey - NO react. HCL + Forams throughout unit
60										CT: Overall mix of light & dark grey intervals. Dark grey density ↑ atomic # ↓ light grey density ↓ atomic # ↑.
70										*1 4th 4.5 cm dark grey density ↓ atom. # ↑ 5th 50 cm thick layers inter dark grey & black overall density ↓ atomic # ↑ - grey layer atomic # moderate / density moderate
80										
90										
100										
110										
120										
130										
140										
150										
160										

\*2 CT: ~ 5 cm black: both low

atomic # moderate / density moderate

\*3 CT similar to lamination varies betw/ white & light grey - density / at mix # very variable  
-> from extreme high spots (dark red) in density to very low atomic # (dark blue). very  
chaotic

\*4 CT black - low/mod. density // (very) low atomic #