

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

Exp. 364	Site 77	Hole A	Core 7	Type R	Section 2
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Date 23.03.16	Time 16:14	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: 2.5Y3/1 (very dark grey) & 2.5Y3/2 very dark greyish brown. Very few, very thin (<1mm light grey layers (2.5Y6/2 light brownish grey))
10		1	Claystone				1			Color: 2.5Y4/1 (dark grey) no lam. / struct. sharp contact to u. 1 & 3. #2
20		1	Marlstone				1	Forams		+ Laminated Marlst. + Color: 2.5Y3/1 (very dark grey), 2.5Y3/2 very dark greyish brown + betw. 47-53 cm very fine crack - filled w/ carb. - reacts on HCl Top of crack 47 cm - pyrite + Overall same grain size throughout unit + Lense at 31 cm (light brown) - length ~ 1 cm. + Several lighter layers (2.5Y6/2, light brownish grey) + Forams in unit <u>CT</u> : Mix of light grey & dark grey intervals - light grey dens. ↑ at # ↑, dark grey dens. ↓ at # ↓ crack: white, both ↑ see U2 CT: black dens. ↓, a # ↓
30		1	Marlstone				1			
40		1	Marlstone				1			
50		1	Marlstone				1			
60		1	Marlstone				1			
70		1	Claystone Marlstone				1	Forams		see U2 CT: black dens. ↓, a # ↓ see unit 1 & 3 + dark brown sharp contact at #5 bottom (3mm thick)
80		1	Claystone				1			Color 2.5Y4/1 dark grey CT: black a # ↓ d ↓
90		1	Marlstone				1	Forams		+ Laminated Marlst. colors as unit 1 + 91.5-92.5 hummocky cross strata color 2.5Y3/3 dark olive brown Nodule (black) - no HCl in light layer below + Two thicker (3mm) light layers - 2.5Y6/2 brownish grey + overall sharp cont. / same g.s. see U2 + CT U2
100		1	Claystone				1			
105		1	Marlstone				1	Forams		+ Laminated Marlstone - Color as U1 + Forams seen fewer + Nodules (no HCl react), dark grey, red surrounded see U2 + CT U2
110		1	Claystone				1			
115		5	Marlstone				1			+ Laminated Marlst. color unit 1 but lighter layers at bottom - 2.5Y5/1 (grey) + at top dark brown layer 2mm + dark brown nodule at 112/113cm - no HCl react
120										*1 at bottom 0.5 cm (sharp contact) layer (10YR 2/1, black). + at 6 cm one small lense - 3mm length - lense - 10YR 2/1, black <u>CT</u> : overall Top 3 cm dark grey, dens. ↑ at # ↓ Rest light grey, dens. ↓ at # ↓
130										*4 one filled crack (carb.) betw. 92-96 cm. <u>CT</u> : dark grey + light grey intervals light grey dens. ↑ at # ↑ dark grey dens. ↓ at # ↓
140										*2 CT: black, dens. / a # both low
150										
160										

hummocky x-strata - wavy geo. struct.

\*5 CI dark grey on top dens. ↑ a# ↓  
light " on bottom dens. ↓ a# ↑

\*6 CT Top dark grey dens ↑ a# ↓  
Middle black dens ↓ a# ↑  
Bottom light grey dens. mod. ↓ a# ↑

Overall → all contacts sharp betw. indiv. units 4