

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

Exp. 364	Site 77	Hole A	Core 5	Type R	Section 2
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Date 23/09/16	Time 13:00	Observers C.R.
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[cm]	Image	Unit #	Lithology	Veins and Alteration	Structures	Burrows	Ichnofabrics	Fossils	Core Disturbance	Description														
0	Image	1	marlstone				1	Paras		+ Laminated marlstone. Col 5Y4/4 (olive brown) 2.5Y3/2 (dark olive grey) Few lighter laminae (5Y7/1; light grey) - very thin (~1mm). Some light (light brownish) grey; 2.5Y6/2 w/ a thickness of ~2mm & a length of ~1-2.5cm + one "nodule" at 23.5cm - <u>No react.</u> to HCL, length 4mm, round & one at ~8cm, <u>No react.</u> on HCL, length 1mm Color of both 2.5Y4/4 - dark grey + Paras throughout unit   <u>CT</u> : #1 1st 12.24cm dark grey → low dens. / high atom. # 2nd 12.36cm light grey → " " " " 3rd 12.09cm dark grey → " " " "														
10																								
20																								
30																								
40																								
50																								
60										2	claystone	3			1	Paras		No structures/lamination. Becomes lighter towards bottom. <u>CT</u> : Black - medium density & medium atomic # (color 4/1 dark grey) → sharp contact betw/ 1 & 3 + laminated marlstone. Coloration varies betw/ 3/2 (very dark greyish brown), 2.5Y (black) & 5/1 (grey). + dark (black, 5Y/2.5/1) layer at 94-95cm - chert + thin clay layer at 84.8-95.1cm, color 4/1 dark grey. No lamination structure. → Chert <u>BYR</u> + light brownish grey lenses (6/2) at 63.5cm & layer at 71.5cm, 80cm, 82, 84cm (1-2mm) → No change in grain size + lowest 2cm (115.5-117.5cm) - finer layer <u>10YR</u> 2/2, very dark brown + 102-107cm (67-70cm) - lighter lamination + Paras throughout unit. *2 ⇒ all individual intervals have sharp contacts						
70																								
80																								
90																								
100																								
110										3	marlstone							3			1	Paras		*1 4th 17.42cm - interbedded dark grey (low dens.) high atomic # / 2 light grey (high dens. / low atomic #). last 1.5cm light grey - high density high atomic # *2 Nodules at 68.5cm, 74cm, 84cm, 86cm, 95cm - all don't react on HCL - size varies from 1mm-7mm <u>CT</u> 1st 20cm - mostly dark grey, two light grey layer → dark grey med. atomic # Medium density light grey density ↓ atomic # ↑
120																								
130																								
140																								
150																								
160																								

2nd 36cm light grey medium density & atomic #  
 dark layers (clay + chert) = black = density ↑ atomic # ↓