

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

Exp. 364	Site 77	Hole A	Core 33	Type R	Section 1
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Date 26/09/15	Time 11:18	Observers MWEC
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[cm]	Image	Unit #	Lithology	Veins and Alteration	Structures	Burrows	Ichnofabrics	Fossils	Core Disturbance	Description									
0		1	Packstone	chert fract →	=	o	2-3			intrabedded packstone - grainstone + marly packstone, + marlstone									
10										pg - 2.5Y 6/1, 7/1, 8/1 gray 11 gray white depending on clay content.									
20										marly p + marlstone from greenish to brownish (6.5Y 14/10 Y + 2.5Y 4/1)									
30										cyclic package w 5 cycles that thicken upwards. cycles 0-21cm green									
35										21-39 cm, 39-47 cm, 47-55 cm brown brown brown base									
40										beds hor. zonal down to ~36 then wavy + inclined - due to differential compaction + or nodule formation									
45										pg II = 3-2									
50										marly p II - 1-3									
58.0										1st 2 cycles - sharp base, rest diffuse									
60										2	pack stone		=	o	5			packstone - 2.5Y 5/1 - gray laminated @ top + base, II = 2	
70																		homogenous in center II = 4-5	
77.0																		contacts sharp, top + base	
80										3	marly packstone			=	o	4			mostly whitish ^{marly} packstone with marlstone intervals
85																			77-82 cm brownish mottled marly packstone with burrows + II = 4
90																			82-107.5 - marly packstone in lower 7 cm and cleaner p. above
95	II = 2-3 - cross cutting horizontal + sub vertical burrows																		
100	base + top diffuse w/ burrows																		
105	107.5-137 - cycle similar to above																		
110	137-149 - another																		
115	149-151 - top of cycle from core below																		
120	slightly silicified below 132																		
125	patch of glauconite @ 87cm																		
130	CT Facies on back																		
140																			
150																			
160																			

PAL = 33-1/76-77

CT Facies

Unit 1 mostly mod. dark to light except for
brown marlston interval near bottom

mod. dark w/ high density + mod. atomic #

light w/ low - mod density + high atomic #

black - brown marl has low density + low at. # - admixed
ash.

Unit 2 - mod dark w/ mod. density + at. #

Unit 3 - mod lt \Rightarrow lt w/ high density + mod. atomic #
lighter bands w/ mod density + low at. #