

Unit 1 grainstone with very diverse clasts - mostly fine to med sand size. White, brown, gray w/ clasts. One brownish clast ~ 5 mm 505 - looks like a possible bioclast + ?
2 discontinuous grainy beds at base (burrows?) w/ black shale laminae 2-3 mm thick in between, one black laminae midway thru grainstone, ~ 5-10 mm diameter burrows @ base.

Unit 2 - laminated black shale to dark gray shale in lower part laminae w/ rhythmic pattern of lighter → darker going up
~ 7 cycles from ~ 5 mm to 3 cm thick
Lowermost 2 cm is a coarse-tail graded bed w/ black, brown, white clasts & forams, draped over an irregular surface atop underlying limestone - relief of ~ 1 cm (could it be core disturbance?)

Unit 3 - foram, lithoclast grainstone w/ up to coarse sand size grains appears to be burrowed & has ^{wispy} stylolitic laminae - lithoclasts - black (lithology) + gray-white carbonate grains - some bioclasts some unidentifiable

Unit 4 Top - wispy grayish marl-marly packstone down to 48.5 cm below down to 59 cm - bioclast lithoclast packstone to floatstone with clasts, similar to above. 59-66.2 cm - lithoclast floatstone with burrows. Clasts @ least up to 2 cm (silicified). II = 3-4
base is an undulatory surface - w/ up to 1.5 cm relief on underlying claystone

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

Exp. 364	Site 77	Hole A	Core 37	Type R	Section 1
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Date	Time	Observers
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[cm]	Image	Unit #	Lithology	Veins and Alteration	Structures	Burrows	Ichnofabrics	Fossils	Core Disturbance	Description	
0		*	Nanno								
10		*	Nanno								
15		*	PAL+TSF 1								
20		*	Nanno								
25		*	PAL+TSF								
30		o	Inch								
35		o	Inch	PAL							
40				1cm 1/4							
50		o	Inch	PAL+TSF							
60											
70				1/2 cm 1/4 round							
75		o	Inch	PAL							
80											
90				1/2 cm 1/4							
100		o	Inch	PAL							
110											
120			1/2 cm 1/4								
125	o	Inch	PAL								
130											
140			1/2 cm 1/4								
150			Every 25 cm.								

→ crossing Lithologic change
→ soft bit for forams