U1387A-36X-1A

Expedition 339: Mediterranean Outflow

U1387A 36X 1A

(491)

	Drilling disturb.	Color	Grain-size Avg.	Grain-size Max.	Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by:	Date:
									N N	11/Dec/2011
-- 0 --	Biscuits	GLEY1 10Y 4/1	Clay	Very fine sand (foram)	Massive? (Mottled)	BI: 2 ?		Type 1: Mud		
-- 10 --										
-- 20 --								19 – 24 Foram patches		
-- 30 --								31 – 39		
-- 40 --										
44										
-- 50 --										
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

U1387A 36X 2A 1492

Expedition 339: Mediterranean Outflow

	Drilling disturb.	Color	Grain-size Avg.	Grain-size Max.	Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: N N	Date: 11/Dec/2011
-- 0 --								Type 1: Mud continued from (A)		
								5 Foram porch		
-- 10 --										
-- 20 --										
-- 30 --										
-- 40 --								46 Shell fractions		
-- 50 --								54 Foram porch		
-- 60 --										
-- 70 --										
-- 80 --	Biscuits						81 SS	81 cm: Nanno silty mud 81 Foram porch		
-- 90 --								91 Foram porches rich. (to the bottom of this section)		
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow U1387A36X 3A

(1493)

Drilling disturb.	Color	Grain-size Avg.	Grain-size Max.	Sed. struct. / contact	Bioturb.	Samples	Comments
Biscuits	GLEY1 10Y 4/1						Type 1: Mud (continued from 2A)
	GLEY1 10Y 4/1	Silt	Fine sand (foram)	Bioturbated contact? Massive? (Mottled)	BI:2		Type 2: Silty mud; 41 Foram patches; 57, 62 Foram patches; 64 Shell fraction
	GLEY1 10Y 4/1	Clay	Fine sand (foram)	Bioturbated contact? Massive? (Mottled)	BI:2		93 Foram patch; 108 Foram patch; Type 1: Mud; 117, 124, 128, 132, 133, 144 Pyrite burrow, Foram patches; 147 Shell fragments

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow U1387 A 36X 4A (1494)

	Drilling disturb.	Color	Grain-size Avg.	Grain-size Max.	Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: NN	Date: 11/Dec/2011
-- 0 --								Type 1: Mud (continued from 3/4)		
-- 10 --								10 Foram patches		
-- 20 --								21		
-- 30 --										
-- 40 --										
-- 50 --								49 shell fragments		
-- 60 --										
-- 70 --								63 Py burrow 69		
-- 80 --	Biscuits									
-- 90 --								88 Shell fragment		
-- 100 --										
-- 110 --								111 Gastropod (well preservation)		
-- 120 --								117.5 Foram patch 126		
-- 130 --								135		
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow U1387A 36X 5A (1495)

	Drilling disturb.	Color	Grain-size Avg.	Grain-size Max.	Sed. struct. / contact	Bioturb.	Samples	Comments
0–2					Gradational contact			Type 1: mud (continued from 4A)
2–73		GLEY1 10Y4/1	Silt	Very fine sand (foram)	Massive ? (Mottled)	BI:2		Type 2: Silty mud; 30 shell fraction; 36 Shell fraction; 68 Foram patching
73–122	Biscuits	GLEY1 10Y4/1	Very fine sand	fine sand	Gradational contact? Massive? (Mottled)	BI:2	90SS	Type 3: Silty sand; 83 Foram patch; 90 cm: Silty sand with biogenic carbonate; fining upward; "Bigradational grading"
122–150		GLEY1 10Y4/1	Silt	very fine sand (foram)	Bioturbated contact? Massive? (Mottled)	BI:2		Type 2: Silty mud; 123 burrow filled with silty sand; 139–144 shell fragments; coarsening upward

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

U1397A 36X 6A

1496

Expedition 339: Mediterranean Outflow

Drilling disturb.	Color	Grain-size Avg.	Grain-size Max.	Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: N N	Date: 11 Dec 2011

Comments:

Type 2: Silty mud continued from 5X

5.5 Foram patches

18 ↓ Foram patches 20

Shell fragments

52 ↓ Shell fractions 59

64 Foram patch

Biscuits

65 Void 71

80.5 Foram patch

97 ↓ Foram patches 102

109 Foram patch

Type 1: Mud

138 Foram patches 140 145

140-141 $CaCO_3$ 28.6%

141

Depth (cm)	Drilling disturb.	Color	Grain-size Avg.	Grain-size Max.	Sed. struct. / contact	Bioturb.	Samples
0–65	Biscuits						
65–71	Void						
71–109		GLEY1 10Y4/1	Clay	Fine sand (foram)	Gradational contact; Massive? (mottled)	BI:2	
109–141							140-141
141–150							

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow U1387 A 36X 7A (1497)

	Drilling disturb.	Color	Grain-size Avg.	Grain-size Max.	Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: N N	Date: 11/Dec/2011
-- 0 --								Type 1: Mud (continued from 6A)		
								7: Py burrow; 2: Foram patch		
-- 10 --										
-- 20 --										
-- 30 --										
-- 40 --								43		
								Foram patches		
-- 50 --								51		
-- 60 --										
								66		
								68.5 Foram patches		
								69		
-- 70 --								71		
								74 Shell fractions		
-- 80 --								77 Foram patch		
-- 90 --										
-- 100 --								98 Foram patch		
101										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

Expedition 339: Mediterranean Outflow U1387 36X 8A 1498

	Drilling disturb.	Color	Grain-size Avg.	Grain-size Max.	Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: N N	Date: 1/Dec/2011
-- 0 --								Type 1: Mud continued from 7A		
								Foram porcelanous rich		
-- 10 --										
-- 20 --										
-- 30 --	Biscuits									
-- 40 --										
49 -- 50 --										
-- 60 --										
-- 70 --										
-- 80 --										
-- 90 --										
-- 100 --										
-- 110 --										
-- 120 --										
-- 130 --										
-- 140 --										
-- 150 --										

MAJOR LITHOLOGY:

MINOR LITHOLOGY:

1387 36X CCA

1999

Expedition 339: Mediterranean Outflow

Drilling disturb.	Color	Grain-size Avg.	Grain-size Max.	Sed. struct. / contact	Bioturb.	Samples	Comments	Logged by: N N	Date: 11/Dec/2011

Type 1: Mud continued from 8A

Biscuits

19, 20] Foram patches

28 ↓ Foram patches 31

Relatively densed (compacted)

43

Paleo – sample

48

-- 0 -- -- 10 -- -- 20 -- -- 30 -- -- 40 -- -- 50 -- -- 60 -- -- 70 -- -- 80 -- -- 90 -- -- 100 -- -- 110 -- -- 120 -- -- 130 -- -- 140 -- -- 150 --

MAJOR LITHOLOGY:

MINOR LITHOLOGY: