

Daily Report Cruise 5

October 8, 2010

This is the fifth cruise of the MC252 Deep water sediment sampling program, R/V Gyre. Four stations were sampled (D015S, ALT-FF012, LBNL-11, FF-011) one cast per station. A slight sheen was observed in the overlaying water at site LBNL-11. Weather was favorable, 1-2 foot swells and a light breeze.

Station 1

1. Station ID: D015S
2. Average Lat: 28.293817
Average Lon: -88.043539
3. Depth: 1738.23
4. Time Corer Deployed: 8:40
Time Corer Recovered: 9:17
Time Corer on Deck: 10:00
5. Sample nomenclature:

Sample Type(sediment or overlaying water) – Date – Ship – Site ID – Analysis Type – Unique Identifier

6. LBNL Sampling Team: Julian Fortney
7. Location Notes: 1 cast attempted. Overlaying water was clear and easy to filter.
8. LBNL samples:

Core number: GT0060

Sample ID	Sample Type	Volume	Storage
SE-20101008-GY-D015S-BC-178	Intact Core	NA	-80C
SU-20101008-GY-D015S-BC-179	AODC	20ml	4C
SU-20101008-GY-D015S-BC-180	DNA Filter	640ml	-80C
SU-20101008-GY-D015S-BC-181	DNA Filter	600ml	-80C

Station 2

1. Station ID: ALT-FF-012
2. Average Lat: 28.297258

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- Average Lon: -88.636311
- 3. Depth: 1575.51
- 4. Time Corer Deployed: 3:28
Time Corer Recovered: 13:28
Time Corer on Deck: 14:55
- 5. Sample nomenclature:

Sample Type(sediment or overlaying water) – Date – Ship – Site ID – Analysis Type – Unique Identifier

- 6. LBNL Sampling Team: Julian Fortney
- 7. Location Notes: 1 cast attempted. Overlaying water was murky filters clogged quickly.
- 8. LBNL samples:

Core number: GT0059

Sample ID	Sample Type	Volume	Storage
SE-20101008-GY-ALTF012-BC-182	Intact Core	NA	-80C
SU-20101008-GY-ALTF012-BC-183	AODC	20ml	4C
SU-20101008-GY-ALTF012-BC-184	DNA Filter	600ml	-80C
SU-20101008-GY-ALTF012-BC-185	DNA Filter	600ml	-80C

Station 3

- 1. Station ID: LBNL-11
- 2. Average Lat: 28.345175
Average Lon: -88.778517
- 3. Depth: 1437.72
- 4. Time Corer Deployed: 16:37
Time Corer Recovered: 17:07
Time Corer on Deck: 17:42
- 5. Sample nomenclature:

Sample Type(sediment or overlaying water) – Date – Ship – Site ID – Analysis Type – Unique Identifier

- 6. LBNL Sampling Team: Julian Fortney

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7. Location Notes: 1 cast attempted. Overlaying water was clear and easy to filter. Soft sediment interface, likely drilling mud. A slight sheen was observed on top of water after pumping.

8. LBNL samples:

Core number 1: GT0050

Sample ID	Sample Type	Volume	Storage
SE-20101008-GY-LBNL11-BC-186	Intact Core	NA	-80C
SU-20101008-GY-LBNL11-BC-197	AODC	20ml	4C
SU-20101008-GY-LBNL11-BC-198	DNA Filter	600ml	-80C
SU-20101008-GY-LBNL11-BC-199	DNA Filter	515ml	-80C

Core number 2: GT0064

Sample ID	Sample Type	Volume	Storage
SE-20101008-GY-LBNL11-BC-187	Intact Core	NA	-80C
SU-20101008-GY-LBNL11-BC-200	AODC	20ml	4C
SU-20101008-GY-LBNL11-BC-201	Culture	10ml	4C
SU-20101008-GY-LBNL11-BC-202	RNA Filter	680ml	-80C with 10ml RNA later
SU-20101008-GY-LBNL11-BC-203	RNA Filter	600ml	-80C with 10ml RNA later
SU-20101008-GY-LBNL11-BC-204	Single cell genomics	1.5ml	-80C with 0.5ml 60% glycerol
SU-20101008-GY-LBNL11-BC-192	Single cell genomics	1.5ml	-80C with 0.5ml 60% glycerol
SU-20101008-GY-LBNL11-BC-193	Single cell genomics	1.5ml	-80C with 0.5ml 60% glycerol

Core number 3: GT0062

Sample ID	Sample Type	Volume	Storage
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SE-20101008-GY-LBNL11-BC-188	Single cell genomics	1ml (sediment)	-80C with 0.5ml 60% glycerol
SE-20101008-GY-LBNL11-BC-189	AODC	1ml (sediment)	4C with 0.1ml of formaldehyde
SE-20101008-GY-LBNL11-BC-190	Culture	1ml (sediment)	4C
SE-20101008-GY-LBNL11-BC-191	RNA	1.5ml (sediment)	-80C with 10ml RNA later
SU-20101008-GY-LBNL11-BC-194	SIP	125ml	4C
SU-20101008-GY-LBNL11-BC-195	Nutrients	100ml	-80C
SU-20101008-GY-LBNL11-BC-196	VOA	40ml	4C with 0.05ml HCL

Station 4

1. Station ID: FF-011
2. Average Lat: 28.511000
Average Lon: 88.529942
3. Depth: 1638.95
4. Time Corer Deployed: 20:29
Time Corer Recovered: 21:02
Time Corer on Deck: 21:41
5. Sample nomenclature:

Sample Type(sediment or overlaying water) – Date – Ship – Site ID – Analysis Type – Unique Identifier

6. LBNL Sampling Team: Julian Fortney
7. Location Notes: 1 cast attempted. Overlaying water was murky filters clogged quickly.
8. LBNL samples:

Core number: GT0058

Sample ID	Sample Type	Volume	Storage
SE-20101008-GY-FF011-BC-205	Intact Core	NA	-80C
SU-20101008-GY-FF011-BC-206	AODC	20ml	4C
SU-20101008-GY-FF011-BC-207	DNA Filter	600ml	-80C
SU-20101008-GY-FF011-BC-208	DNA Filter	600ml	-80C

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