

**Acropak-200 Cast Sheet**

**DEMI STATION**

Station # Station 33  
 Deep, Mid, Shallow shallow  
 Cast # Cast 1  
 Event # 4427  
 Date 12/13/13  
 ODF Salinity Box A  
 ODF Nutrients Rack green

**GEOTRACES 10083 GEOTRACES 10085 GEOTRACES 10087**

Acropak: <u>Coffee!</u>	Acropak: <u>Coffee!</u>	Acropak: <u>Coffee!</u>
Sampler: <u>CZ</u>	Sampler: <u>CZ</u>	Sampler: <u>CZ</u>
Depth: <u>1000</u>	Depth: <u>800</u>	Depth: <u>600</u>
Caro Pos: <u>1</u>	Caro Pos: <u>3</u>	Caro Pos: <u>5</u>
Btl #: <u>7</u>	Btl #: <u>11</u>	Btl #: <u>13</u>
Notes:	Notes:	Notes:

**Sampling Order**

*Pressurize GoFlo*  
 ODF Salinity 250 mL  
 ODF Nutrients 30 mL  
 Casciotti - NO<sub>3</sub><sup>-</sup> - freeze 3x100 mL  
 Casciotti - to Brian P ASAP 100 mL  
 Resing - Al 100 mL  
 Resing - Mn 100 mL  
 Saito - Co no headspace 2 x 60mL  
 Shiller - Ga 125 mL  
 Moffet - Fe(II) 60mL  
 Bruland - metals 500 mL  
 Flegal - Pb sometimes 1000 mL  
 Boyle - Pb sometimes 500 mL

**GEOTRACES 10089 GEOTRACES 10091 GEOTRACES 10093**

Acropak: <u>Coffee!</u>	Acropak: <u>Coffee!</u>	Acropak: <u>Coffee!</u>
Sampler: <u>CZ</u>	Sampler: <u>CZ</u>	Sampler: <u>CZ</u>
Depth: <u>450</u>	Depth: <u>350</u>	Depth: <u>300</u>
Caro Pos: <u>7</u>	Caro Pos: <u>9</u>	Caro Pos: <u>11</u>
Btl #: <u>19</u>	Btl #: <u>21</u>	Btl #: <u>29</u>
Notes:	Notes:	Notes:

**GEOTRACES 10095 GEOTRACES 10097 GEOTRACES 10099**

Acropak: <u>Chocolate!</u>	Acropak: <u>Chocolate!</u>	Acropak: <u>Chocolate!</u>
Sampler: <u>CP</u>	Sampler: <u>CP</u>	Sampler: <u>CP</u>
Depth: <u>250</u>	Depth: <u>200</u>	Depth: <u>140</u>
Caro Pos: <u>13</u>	Caro Pos: <u>15</u>	Caro Pos: <u>17</u>
Btl #: <u>31</u>	Btl #: <u>33</u>	Btl #: <u>37</u>
Notes:	Notes:	Notes:

**GEOTRACES 10101 GEOTRACES 10103 GEOTRACES 10105**

Acropak: <u>Chocolate!</u>	Acropak: <u>Chocolate!</u>	Acropak: <u>Chocolate!</u>
Sampler: <u>CP</u>	Sampler: <u>CP</u>	Sampler: <u>CP</u>
Depth: <u>90</u>	Depth: <u>50</u>	Depth: <u>30</u>
Caro Pos: <u>19</u>	Caro Pos: <u>21</u>	Caro Pos: <u>23</u>
Btl #: <u>1</u>	Btl #: <u>283</u>	Btl #: <u>5</u>
Notes:	Notes:	Notes:

# Geotraces R/V Thompson Membrane Sample Log

Sample Date: 12/13/13  
 UTC Start: 1140  
 UTC End: 1242

Station/Cast: Station 33 Cast 1	GT Event #: 4427					Sample Date: 12/13/13		UTC Start: 1140		UTC End: 1242		
Shallow/Mid/Deep Demi (circle one)	Nuts Rack: green		Salt Rack: A		Samplers: LR1RS1SR		Notes: DCM=90m					
Geotraces #:	10084	10086	10088	10090	10092	10094	10096	10098	10100	10102	10104	10106
GoFlo Number:	2	4	6	8	10	16	18	24	26	28	30	36
Depth (m):	1000	800	600	450	350	300	250	200	140	90	50	30
Filter Holder #:	40	39	38	37	36	35	34	33	32	31	30	29
Filter diameter:	25mm											
Position #:	2	4	6	8	10	12	14	16	18	20	22	24

## Filtered Volume (L)

Waste:	8.40	7.90	8.12	8.48	8.21	8.16	8.21	8.57	8.24	8.87	3.46	3.45
Drawn:	<del>2.375</del>	2.375	2.375	2.375	2.375	2.375	2.375	2.375	2.375	2.375	2.375	2.375
Total:	10.775	10.275	10.495	10.855	10.585	10.535	10.585	10.945	10.715	6.245	5.835	5.825
Start Time:	1323	1322	1321	1320	1321	1320	1318	1317	1316	1315	1314	1313
End Time:	1503	1459	<del>1503</del> 1503	<del>1506</del> 1516	1459	1506	1506	1512	1512	1516	1516	1514

## • Supor Membrane 0.45 µm

- Sampling Order:
- Redox:
  - Pressurize
  - Cutter (S) — 2 x 60mL (Syr.)
  - Cutter (I) — 2 x 60mL (Syr.)
  - Moffett(Fe) — 2 x 60mL (Syr.)
  - Unfiltered:
  - ODF Nuts 1 x 30mL
  - ODF Salts 1 x 250mL
  - Shake
  - Twining-Surface 1 x <sup>256</sup>2000mL
  - Twining-DCM 1 x 250mL
  - Part. Membrane:
  - Hammerschmidt (Hg) 1 x 2000mL
  - Lamborg (T. Hg) 1 x 250mL
  - Cutter (Nnuts) — 1 x 125mL
  - Cutter (As/Sb) — 1 x 250mL
  - Cutter (Se) — 1 x 1190mL

Notes: \*\*All filtered volume is 3.815L

~~2.25L~~  
~~2.375~~  
~~2.375~~  
 2.375

10084 - red jelly ball lounce  
 10086 - jelly like lounce  
 10106 - 2 jelly like lounce

→ 10106  
 10102

→ Are sampling nuts