

Acropak-200 Cast Sheet**DEMI STATION**

Station # Station 31
 Deep, Mid, Shallow shallow
 Cast # Cast 1
 Event # 4401
 Date 12/10/13
 ODF Salinity Box E
 ODF Nutrients Rack purple

Sampling Order*Pressurize GoFlo*

ODF Salinity 250 mL
 ODF Nutrients 30 mL
 Casciotti - NO₃⁻ - 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 9881

Acropak: Seychelles
 Sampler: CZ
 Depth: 1000
 Caro Pos: 1
 Btl #: 36
 Notes:

Geotraces 9883

Acropak: Seychelles
 Sampler: CZ
 Depth: 820
 Caro Pos: 3
 Btl #: 2
 Notes:

Geotraces 9885

Acropak: Seychelles
 Sampler: CZ
 Depth: 660
 Caro Pos: 5
 Btl #: 4
 Notes:

Geotraces 9887

Acropak: Seychelles
 Sampler: CZ
 Depth: 440
 Caro Pos: 7
 Btl #: 6
 Notes:

Geotraces 9889

Acropak: Seychelles
 Sampler: CZ
 Depth: 330
 Caro Pos: 9
 Btl #: 8
 Notes:

Geotraces 9891

Acropak: Seychelles
 Sampler: CZ
 Depth: 265
 Caro Pos: 11
 Btl #: 10
 Notes:

Geotraces 9893

Acropak: Hawaii
 Sampler: CP
 Depth: 200
 Caro Pos: 13
 Btl #: 16
 Notes:

Geotraces 9895

Acropak: Hawaii
 Sampler: CP
 Depth: 145
 Caro Pos: 15
 Btl #: 18
 Notes:

Geotraces 9897

Acropak: Hawaii
 Sampler: CP
 Depth: 120
 Caro Pos: 17
 Btl #: 24
 Notes:

Geotraces 9899

Acropak: Hawaii
 Sampler: CP
 Depth: 73
 Caro Pos: 19
 Btl #: 26
 Notes:

Geotraces 9901

Acropak: Hawaii
 Sampler: CP
 Depth: 50
 Caro Pos: 21
 Btl #: 28
 Notes:

Geotraces 9903

Acropak: Hawaii
 Sampler: CP
 Depth: 30
 Caro Pos: 23
 Btl #: 30
 Notes:

Geotraces R/V Thompson Membrane Sample Log

Sample Date:

12/10/13

UTC Start: 1453

UTC End: 1601

Station/Cast: Station 31 Cast 1

GT Event #: 4401

(Shallow/Mid/Deep)
Demi. (circle one)

Nuts Rack: purple

Salts Rack: E

Samplers: LR1RS1SR

Notes: Cnl max = 73m

Geotraces #:	Geotraces 9882	Geotraces 9884	Geotraces 9886	Geotraces 9888	Geotraces 9890	Geotraces 9892	Geotraces 9894	Geotraces 9896	Geotraces 9898	Geotraces 9900	Geotraces 9902	Geotraces 9904
GoFlo Number:	1	3	5	7	11	13	19	21	29	31	33	37
Depth (m):	1000	820	660	440	330	265	200	145	120	73	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:	8.44	79.0	8.30	8.37	8.21	8.18	8.62	7.64	8.40	2.77	2.95	2.78
Drawn:	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
Total:	10.69	10.15	10.55	10.62	10.46	10.43	10.87	9.89	10.65	5.02	5.20	5.05
Start Time:	1638	1637	1636	1635	1634	1633	1632	1631	1630	1629	1628	1627
End Time:	1616	1611	1616	1616	1805	1805	1818	1831	1820	1829	1828	1827

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 250mL

Twining-Surface 1 x 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

• Supor Membrane 0.45 µm

Notes: **All filtered volume is 3.815L
2.25L

* Slow filtering. Possible air lock/blockage. Changed air filter and tightened fittings after this cast.

All filters from Fish Batch (2), except 9882, 9884, 9886 which are Fish Batch (3).

9904
9900