

## Stations where water was collected during SWERUS C3 leg 2

Station	Latitude	Longitude	Region	Station	Latitude	Longitude	Region
68	72.33	-176.57	Ru EEZ	108	77.09	162.61	Ru EEZ
70	72.34	-176.34	Ru EEZ	109	77.36	163.02	Ru EEZ
72	72.36	-176.10	Ru EEZ	110	77.58	163.28	Ru EEZ
74	72.37	-175.86	Ru EEZ	112	78.02	163.97	Ru EEZ
76	72.39	-175.63	Ru EEZ	114	78.23	164.30	Ru EEZ
78	72.41	-175.33	Ru EEZ	116	78.66	164.99	Ru EEZ
79	72.45	-178.34	Ru EEZ	117	78.73	165.31	Ru EEZ
81	72.59	-177.73	Ru EEZ	118	78.80	165.37	Ru EEZ
83	72.75	-177.06	Ru EEZ	119	79.02	165.30	Ru EEZ
85	72.89	-176.42	Ru EEZ	120	79.25	166.05	Ru EEZ
87	72.85	-175.97	Ru EEZ	121	79.23	152.69	Ru EEZ
89	72.81	-175.51	Ru EEZ	122	79.33	153.31	Ru EEZ
91	72.78	-175.14	Ru EEZ	123	79.49	153.56	Ru EEZ
93	74.97	179.76	Int water	124	79.61	153.77	Ru EEZ
94	75.18	179.86	Int water	125	79.68	153.92	Ru EEZ
95	75.48	-179.76	Int water	127	79.77	154.59	Ru EEZ
96	75.31	-179.62	Int water	128	79.82	154.17	Ru EEZ
97	75.08	179.97	Int water	129	79.93	154.42	Ru EEZ
98	76.21	-179.27	Int water	130	80.07	154.42	Ru EEZ
99	76.47	176.78	Int water	131-1	80.43	154.50	Int water
100	76.36	176.44	Int water	131-2	80.44	154.50	Int water
101	76.32	175.89	Int water	132	81.30	141.76	Int water
102	76.82	174.80	Int water	135	80.79	142.48	Int water
103	76.68	174.93	Int water	138	80.34	142.86	Int water
104	76.58	174.64	Int water	142	79.99	143.18	Int water
105	76.41	173.82	Int water	144	80.70	142.11	Int water
106	75.82	172.17	Int water	145	84.51	151.89	Int water
107	75.21	170.65	Int water	146	84.27	148.77	Int water
				147	83.73	142.51	Int water
				148	83.74	141.94	Int water
				149	83.76	140.92	Int water
				150	83.78	140.31	Int water
				151	83.78	138.70	Int water
				152	84.72	150.94	Int water
				154	84.59	149.83	Int water

SWERUS C3 leg 2

Deck sheet

Station #	68
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Lat	72.326
Long	-176.565
Date	2014-08-24
Time (UTC)	09:52:02

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt
32.892	-1.658	140000	1	71.2	√	√			√	√	√	√	√		√
32.890	-1.659	140001	2	66.0		√			√	√	√	√	√		√
32.834	-1.665	140002	3	60.1		√			√		√	√	√		√
32.633	-1.611	140003	4	50.0	√	√			√	√	√	√	√		√
32.454	-1.217	140004	5	39.9		√			√	√	√	√	√		√
32.290	-0.401	140005	6	29.6	√	√			√	√	√	√	√		√
31.586	2.351	140006	7	19.7		√			√	√	√	√	√		√
30.082	3.284	140007	8	10.3	√	√			√	√	√	√	√		√
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SWERUS C3 leg 2

Deck sheet

Station #	70
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Lat	72.342
Long	-176.338
Date	2014-08-24
Time (UTC)	12:42:49

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt
32.797	-1.661	140008	1	70.3	√	√			√		√	√	√		√
32.615	-1.668	140009	2	65.1		√			√		√	√	√		√
32.515	-1.658	140010	3	60.2		√			√		√	√	√		√
32.397	-1.621	140011	4	50.0	√	√			√		√	√	√		√
32.268	-1.645	140012	5	39.9		√			√		√	√	√		√
32.148	-1.600	140013	6	29.9	√	√			√		√	√	√		√
31.615	4.463	140014	7	19.8		√			√		√	√	√		√
30.016	3.482	140015	8	9.8	√	√			√		√	√	√		√
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SWERUS C3 leg 2

Deck sheet

Station #	72
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Lat	72.357
Long	-176.103
Date	2014-08-24
Time (UTC)	14:38:10

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt
32.938	-1.690	140016	1	93.0		√	√	√	√	√	√	√	√		√
32.937	-1.689	140017	2	87.9		√			√	√	√	√	√		√
32.920	-1.675	140018	3	75.2		√			√		√	√	√		√
32.892	-1.688	140019	4	60.0		√			√		√	√	√		√
32.711	-1.645	140020	5	49.8		√			√	√	√	√	√		√
32.630	-1.554	140021	6	39.9		√			√		√	√	√		√
32.161	-0.660	140022	7	29.8		√			√	√	√	√	√		√
31.414	2.872	140023	8	19.7		√			√	√	√	√	√		√
29.729	3.497	140024	9	10.0		√	√	√	√	√	√	√	√		√
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SWERUS C3 leg 2

Deck sheet

Station #	74
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Lat	72.370
Long	-175.859
Date	2014-08-24
Time (UTC)	16:40:27

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt
32.932	-1.713	140025	1	89.1		√			√		√	√	√		√
32.931	-1.714	140026	2	83.8		√			√		√	√	√		√
32.930	-1.714	140027	3	79.7		√			√		√	√	√		√
32.863	-1.747	140028	4	69.6		√			√		√	√	√		√
32.841	-1.744	140029	5	59.6		√			√		√	√	√		√
32.753	-1.660	140030	6	49.5		√			√		√	√	√		√
32.577	-1.682	140031	7	39.4		√			√		√	√	√		√
32.296	-1.372	140032	8	29.3		√			√		√	√	√		√
31.840	1.666	140033	9	19.3		√			√		√	√	√		√
30.757	3.778	140034	10	10.4		√			√		√	√	√		√
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SWERUS C3 leg 2

Deck sheet

Station #	76
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Lat	72.388
Long	-175.625
Date	2014-08-24
Time (UTC)	18:59:42

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt
32.735	-1.590	140035	1	78.4		√			√	√	√	√	√		√
32.705	-1.555	140036	2	73.3		√			√		√	√	√		√
32.701	-1.551	140037	3	70.0		√			√	√	√	√	√		√
32.692	-1.546	140038	4	59.8		√			√		√	√	√		√
32.297	0.044	140039	5	49.7		√			√	√	√	√	√		√
32.223	0.023	140040	6	39.7		√			√	√	√	√	√		√
32.189	0.129	140041	7	29.7		√			√	√	√	√	√		√
32.161	5.321	140042	8	19.7		√			√		√	√	√		√
31.738	5.699	140043	9	10.3		√			√	√	√	√	√		√
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SWERUS C3 leg 2

Deck sheet

Station #	78
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Lat	72.406
Long	-175.333
Date	2014-08-24
Time (UTC)	21:54:52

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt
32.603	-0.891	140044	1	50.0		√			√		√	√	√		√
32.421	-0.332	140045	2	44.9		√			√		√	√	√		√
32.292	0.427	140046	3	40.3		√			√		√	√	√		√
32.257	3.812	140047	4	30.3		√			√		√	√	√		√
32.090	5.621	140048	5	20.3		√			√		√	√	√		√
31.620	5.614	140049	6	10.0		√			√		√	√	√		√
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SWERUS C3 leg 2

Deck sheet

Station #	79
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Lat	72.447
Long	-178.341
Date	2014-08-25
Time (UTC)	19:08:12

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt
32.990	-1.752	140050	1	55.4	√	√			√	√	√	√	√	√	√
32.988	-1.756	140051	2	50.1	√	√			√	√	√	√	√	√	√
32.930	-1.754	140052	3	44.7	√	√			√		√	√	√	√	√
32.840	-1.738	140053	4	39.8		√			√	√	√	√	√		√
32.524	-1.490	140054	5	29.5	√	√			√	√	√	√	√	√	√
31.317	-0.761	140055	6	19.4		√			√	√	√	√	√		√
30.293	3.303	140056	7	10.4	√	√			√	√	√	√	√	√	√
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SWERUS C3 leg 2

Deck sheet

Station #	81
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Lat	72.594
Long	-177.726
Date	2014-08-25
Time (UTC)	21:45:25

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt	<sup>131</sup> I
32.990	-1.752	140050	1	55.4	√	√			√		√	√	√	√	√	√
32.988	-1.756	140051	2	50.1		√			√		√	√	√	√	√	
32.930	-1.754	140052	3	44.7	√	√			√		√	√	√	√	√	√
32.840	-1.738	140053	4	39.8		√			√		√	√	√		√	
32.524	-1.490	140054	5	29.5	√	√			√		√	√	√	√	√	
31.317	-0.761	140055	6	19.4		√			√		√	√	√		√	
30.293	3.303	140056	7	10.4	√	√			√		√	√	√	√	√	√
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SWERUS C3 leg 2

Deck sheet

Station #	83
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Lat	72.747
Long	-177.064
Date	2014-08-26
Time (UTC)	00:25:59

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt
32.773	-1.662	140064	1	68.5	√	√	√	√	√	√	√	√	√	√	√
32.767	-1.668	140065	2	63.7		√			√		√	√	√		√
32.545	-1.725	140066	3	54.6		√			√	√	√	√	√		√
32.504	-1.642	140067	4	50.4	√	√			√		√	√	√	√	√
32.383	-1.498	140068	5	40.1		√			√	√	√	√	√		√
32.148	-1.075	140069	6	30.0	√	√			√		√	√	√	√	√
31.675	0.042	140070	7	19.9		√			√	√	√	√	√		√
30.188	2.913	140071	8	10.2	√	√	√	√	√	√	√	√	√	√	√
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SWERUS C3 leg 2

Deck sheet

Station #	85
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Lat	72.889
Long	-176.418
Date	2014-08-26
Time (UTC)	03:14:46

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt
34.308	-0.345	140072	1	109.2	√	√	√	√	√	√	√	√	√	√	√
33.840	-0.849	140073	2	104.2		√			√		√	√	√		√
33.412	-1.204	140074	3	100.4		√			√	√	√	√	√		√
32.946	-1.728	140075	4	90.2	√	√			√		√	√	√	√	√
32.860	-1.679	140076	5	80.1		√			√	√	√	√	√		√
32.763	-1.659	140077	6	70.3	√	√			√		√	√	√	√	√
32.553	-1.552	140078	7	60.0		√			√	√	√	√	√		√
32.372	-1.613	140079	8	49.9	√	√			√		√	√	√	√	√
32.268	-1.624	140080	9	39.9		√			√		√	√	√		√
32.028	-0.938	140081	10	29.7	√	√			√	√	√	√	√	√	√
31.544	4.825	140082	11	19.4		√			√		√	√	√		√
29.706	2.314	140083	12	10.0	√	√	√	√	√	√	√	√	√	√	√
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SWERUS C3 leg 2

Deck sheet

Station #	87
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Lat	72.854
Long	-175.972
Date	2014-08-26
Time (UTC)	11:30:58

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt
34.365	-0.264	140084	1	114.7	√	√			√		√	√	√	√	√
34.365	-0.263	140085	2	109.5		√			√		√	√	√		√
33.391	-1.232	140086	3	98.0	√	√			√		√	√	√		√
32.933	-1.651	140087	4	85.4	√	√			√		√	√	√	√	√
32.700	-1.581	140088	5	70.1		√			√		√	√	√		√
32.524	-1.585	140089	6	54.9	√	√			√		√	√	√	√	√
32.378	-1.534	140090	7	39.8		√			√		√	√	√		√
32.173	-1.261	140091	8	30.2	√	√			√		√	√	√	√	√
31.695	2.411	140092	9	20.0		√			√		√	√	√		√
30.820	4.050	140093	10	10.1	√	√			√		√	√	√	√	√
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SWERUS C3 leg 2

Deck sheet

Station #	89
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Lat	72.814
Long	-175.510
Date	2014-08-26
Time (UTC)	15:54:42

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt
32.914	-1.683	140094	1	91.7	√	√			√	√	√	√	√		√
32.882	-1.687	140095	2	86.6		√			√		√	√	√		√
32.853	-1.694	140096	3	80.4		√			√	√	√	√	√		√
32.820	-1.672	140097	4	70.3	√	√			√		√	√	√		√
32.765	-1.690	140098	5	60.2		√			√		√	√	√		√
32.721	-1.641	140099	6	49.8	√	√			√	√	√	√	√		√
32.526	-1.560	140100	7	39.9		√			√		√	√	√		√
32.183	-1.221	140101	8	30.3	√	√			√	√	√	√	√		√
31.644	4.994	140102	9	20.0		√			√		√	√	√		√
30.771	4.032	140103	10	10.3	√	√			√	√	√	√	√		√
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SWERUS C3 leg 2

Deck sheet

Station #	91
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Lat	72.782
Long	-175.139
Date	2014-08-26
Time (UTC)	18:23:20

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt
32.742	-1.562	140104	1	66.8	√	√			√		√	√	√		√
32.713	-1.528	140105	2	61.7		√			√		√	√	√		√
32.717	-1.476	140106	3	54.9		√			√		√	√	√		√
32.716	-1.460	140107	4	50.5	√	√			√		√	√	√		√
32.672	-1.466	140108	5	40.7		√			√		√	√	√		√
32.295	-0.265	140109	6	30.7	√	√			√		√	√	√		√
32.099	5.470	140110	7	20.7		√			√		√	√	√		√
31.225	4.943	140111	8	10.1	√	√			√		√	√	√		√
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SWERUS C3 leg 2

Deck sheet

Station #	93
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Lat	74.967
Long	179.755
Date	2014-08-27
Time (UTC)	23:14:14

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt
34.848	0.659	140112	1	337.9	√	√	√	√	√	√	√	√	√	√	√
34.808	0.778	140113	2	300.8	√	√			√		√	√	√	√	√
34.660	0.328	140114	3	220.3	√	√			√	√	√	√	√	√	√
34.566	0.090	140115	4	200.1	√	√	√	√	√		√	√	√	√	√
34.290	-0.497	140116	5	172.4		√			√		√	√	√		√
33.871	-0.987	140117	6	150.7	√	√			√		√	√	√	√	√
32.861	-1.598	140118	7	125.8	√	√			√		√	√	√	√	√
32.480	-1.598	140119	8	100.5		√	√	√	√	√	√	√	√		√
32.284	-1.623	140120	9	80.5	√	√			√		√	√	√	√	√
31.923	-1.494	140121	10	60.4		√			√		√	√	√		√
31.481	-1.529	140122	11	50.1	√	√	√	√	√	√	√	√	√	√	√
30.883	-1.440	140123	12	40.7		√			√		√	√	√		√
30.254	-1.310	140124	13	30.4	√	√			√		√	√	√	√	√
29.190	-1.061	140125	14	20.0		√			√	√	√	√	√		√
28.147	-1.203	140126	15	10.0	√	√			√	√	√	√	√	√	√
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SWERUS C3 leg 2

Deck sheet

Station #	94
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Lat	75.179
Long	179.865
Date	2014-08-28
Time (UTC)	21:27:48

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt
34.869	0.264	140127	1	546.3	√	√	√	√	√	√	√	√	√	√	√
34.858	0.410	140128	2	499.3	√	√			√		√	√	√	√	√
34.852	0.661	140129	3	400.9	√	√			√		√	√	√		√
34.847	0.771	140130	4	352.7	√	√			√	√	√	√	√	√	√
34.818	0.782	140131	5	302.8	√	√	√	√	√		√	√	√		√
34.682	0.375	140132	6	237.3	√	√			√		√	√	√	√	√
34.521	-0.019	140133	7	202.8	√	√			√	√	√	√	√		√
34.166	-0.719	140134	8	176.3	√	√			√		√	√	√	√	√
33.155	-1.374	140135	9	143.2	√	√	√	√	√		√	√	√		√
32.814	-1.538	140136	10	124.4	√	√			√		√	√	√	√	√
32.430	-1.619	140137	11	100.3		√			√	√	√	√	√		√
32.236	-1.615	140138	12	80.6	√	√			√		√	√	√	√	√
31.830	-1.481	140139	13	60.6		√			√		√	√	√		√
31.382	-1.471	140140	14	50.3	√	√	√	√	√		√	√	√	√	√
30.712	-1.396	140141	15	40.0		√			√		√	√	√		√
30.000	-1.319	140142	16	29.7	√	√			√		√	√	√	√	√
29.122	-1.130	140143	17	19.4		√			√	√	√	√	√		√
28.049	-1.263	140144	18	10.4	√	√			√	√	√	√	√	√	√
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			22												
			23												
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SWERUS C3 leg 2

Deck sheet

Station #	95
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Lat	75.477
Long	-179.764
Date	2014-08-29
Time (UTC)	20:58:34

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt
34.882	-0.254	140145	1	944.3	√	√	√	√	√	√	√	√	√	√	√
34.875	-0.118	140146	2	899.3	√	√	√	√	√		√	√	√		√
34.853	0.616	140147	3	503.5	√	√	√	√	√	√	√	√	√	√	√
34.838	0.698	140148	4	444.6	√	√			√		√	√	√		√
34.826	0.871	140149	5	370.8	√	√	√	√	√		√	√	√	√	√
34.746	0.601	140150	6	301.4	√	√			√	√	√	√	√		√
34.583	0.076	140151	7	252.8	√	√			√		√	√	√	√	√
33.939	-0.994	140152	8	201.2	√	√	√	√	√		√	√	√		√
33.332	-1.450	140153	9	176.3	√	√			√		√	√	√	√	√
32.987	-1.503	140154	10	151.1	√	√			√	√	√	√	√		√
32.697	-1.391	140155	11	125.8	√	√			√		√	√	√	√	√
32.420	-1.286	140156	12	100.5		√	√	√	√		√	√	√		√
32.080	-1.052	140157	13	80.2	√	√			√		√	√	√	√	√
31.581	-0.845	140158	14	59.9		√			√		√	√	√		√
31.198	-0.773	140159	15	49.7	√	√	√	√	√	√	√	√	√	√	√
26.901	2.510	140160	16	39.2		√			√		√	√	√		√
30.011	-1.207	140161	17	29.2	√	√			√		√	√	√	√	√
29.321	-1.032	140162	18	20.2		√			√		√	√	√		√
27.562	-1.419	140163	19	10.4	√	√	√	√	√	√	√	√	√	√	√
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			22												
			23												
			24												

SWERUS C3 leg 2

Deck sheet

Station #	96
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Lat	75.307
Long	-179.622
Date	2014-08-30
Time (UTC)	06:51:56

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt
34.875	0.099	140164	1	659.3		√			√		√	√	√	√	√
34.857	0.416	140165	2	500.8	√	√			√		√	√	√	√	√
34.853	0.635	140166	3	402.8	√	√			√		√	√	√		√
34.843	0.720	140167	4	352.9	√	√			√		√	√	√	√	√
34.807	0.688	140168	5	299.6	√	√			√		√	√	√		√
34.696	0.390	140169	6	253.8	√	√			√		√	√	√	√	√
34.261	-0.567	140170	7	201.2	√	√			√		√	√	√	√	√
33.611	-1.207	140171	8	176.1	√	√			√		√	√	√	√	√
33.001	-1.515	140172	9	151.0	√	√			√		√	√	√		√
32.712	-1.471	140173	10	125.7	√	√			√		√	√	√	√	√
32.421	-1.407	140174	11	100.6		√			√		√	√	√		√
32.147	-1.267	140175	12	80.4	√	√			√		√	√	√	√	√
31.763	-0.931	140176	13	60.3		√			√		√	√	√		√
31.378	-1.195	140177	14	49.9	√	√			√		√	√	√	√	√
30.313	-1.176	140178	15	39.5		√			√		√	√	√		√
29.676	-1.181	140179	16	29.1	√	√			√		√	√	√	√	√
28.169	-1.163	140180	17	18.7		√			√		√	√	√		√
29.321	-1.032	140181	18	10.0											
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			22												
			23												
			24												

Did not trip

SWERUS C3 leg 2

Deck sheet

Station #	97
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Lat	75.081
Long	179.975
Date	2014-08-30
Time (UTC)	21:38:02

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt
34.859	0.437	140182	1	476.0	√	√			√		√	√	√	√	√
34.852	0.677	140183	2	399.5	√	√			√		√	√	√	√	√
34.846	0.787	140184	3	347.8	√	√			√		√	√	√		√
34.824	0.794	140185	4	300.1	√	√			√		√	√	√	√	√
34.748	0.584	140186	5	250.5	√	√			√		√	√	√		√
34.669	0.344	140187	6	220.9	√	√			√		√	√	√	√	√
34.284	-0.509	140188	7	175.4	√	√			√		√	√	√	√	√
33.519	-1.188	140189	8	150.1	√	√			√		√	√	√		√
32.742	-1.607	140190	9	125.2	√	√			√		√	√	√		√
32.419	-1.610	140191	10	100.7											
32.184	-1.566	140192	11	80.3	√	√			√		√	√	√		√
31.723	-1.137	140193	12	60.5		√			√		√	√	√		√
31.244	-1.200	140194	13	49.7	√	√			√		√	√	√	√	√
30.513	-1.264	140195	14	39.4		√			√		√	√	√		√
29.905	-1.161	140196	15	29.9	√	√			√		√	√	√	√	√
28.761	-1.077	140197	16	19.6		√			√		√	√	√		√
27.462	-1.360	140198	17	10.2	√	√			√		√	√	√	√	√
			18												
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			20												
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			22												
			23												
			24												

Did not trip

SWERUS C3 leg 2

Deck sheet

Station #	98
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Lat	76.211
Long	-179.265
Date	2014-09-02
Time (UTC)	21:24:38

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt	
34.887	-0.272	140199	1	1112.3	√	√	√	√	√	√	√	√	√	√	√	
34.873	-0.132	140200	2	997.9	√	√	√	√	√		√	√	√		√	
34.860	0.348	140201	3	701.1	√	√	√	√	√		√	√	√		√	
34.850	0.823	140202	4	499.9	√	√			√	√	√	√	√	√	√	
34.832	0.879	140203	5	400.8	√	√	√	√	√		√	√	√		√	
34.795	0.759	140204	6	350.9	√	√			√		√	√	√	√	√	
34.720	0.514	140205	7	300.9	√	√			√		√	√	√		√	
34.639	0.268	140206	8	276.3	√	√	√	√	√	√	√	√	√	√	√	
33.784	-1.165	140207	9	200.6	√	√			√		√	√	√		√	
33.244	-1.484	140208	10	175.5	√	√			√		√	√	√	√	√	
32.928	-1.493	140209	11	150.3	√	√	√	√	√	√	√	√	√		√	
32.686	-1.401	140210	12	125.1	√	√			√		√	√	√	√	√	
32.384	-1.427	140211	13	99.9		√	√	√	√		√	√	√		√	
32.123	-1.303	140212	14	79.6	√	√			√		√	√	√	√	√	
31.769	-0.939	140213	15	59.4		√			√		√	√	√		√	
31.441	-0.718	140214	16	49.6	√	√	√	√	√	√	√	√	√	√	√	
30.532	-0.668	140215	17	39.3		√			√		√	√	√		√	
29.414	-1.079	140216	18	29.8	√	√			√		√	√	√	√	√	
27.502	-1.447	140217	19	20.4		√			√		√	√	√		√	
27.436	-1.470	140218	20	10.2	√	√			√	√	√	√	√	√	√	
			21													
			22													
			23													
			24													

SWERUS C3 leg 2

Deck sheet

Station #	99
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Lat	76.211
Long	179.265
Date	2014-09-04
Time (UTC)	01:03:52

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt
34.895	-0.118	140219	1	1001.2	√	√	√	√	√		√	√	√	√	√
34.881	-0.093	140220	2	955.1	√	√			√		√	√	√		√
34.862	0.230	140221	3	700.5	√	√	√	√	√		√	√	√	√	√
34.853	0.643	140222	4	500.4	√	√			√		√	√	√		√
34.841	0.875	140223	5	400.9	√	√	√	√	√		√	√	√	√	√
34.828	0.873	140224	6	351.8	√	√			√		√	√	√		√
34.795	0.759	140225	7	301.3	√	√			√		√	√	√	√	√
34.645	0.277	140226	8	240.8	√	√	√	√	√		√	√	√		√
34.324	-0.413	140227	9	201.3	√	√			√		√	√	√	√	√
33.751	-1.139	140228	10	175.8	√	√			√		√	√	√		√
33.002	-1.511	140229	11	150.8	√	√			√		√	√	√	√	√
32.633	-1.407	140230	12	125.9	√	√			√		√	√	√		√
32.314	-1.579	140231	13	100.9		√			√		√	√	√		√
31.899	-1.293	140232	14	80.6	√	√			√		√	√	√	√	√
31.347	-1.619	140233	15	60.1		√			√		√	√	√		√
31.202	-1.459	140234	16	49.9	√	√			√		√	√	√	√	√
30.957	-1.133	140235	17	39.5		√			√		√	√	√		√
29.887	-1.084	140236	18	29.4	√	√			√		√	√	√	√	√
27.917	-1.388	140237	19	19.0		√			√		√	√	√		√
27.628	-1.461	140238	20	10.0	√	√			√		√	√	√	√	√
			21												
			22												
			23												
			24												

SWERUS C3 leg 2

Deck sheet

Station #	100
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Lat	76.365
Long	176.438
Date	2014-09-04
Time (UTC)	04:27:51

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt
34.888	0.211	140239	1	734.5	√	√	√	√	√		√	√	√	√	√
34.879	0.308	140240	2	684.3	√	√			√		√	√	√	√	√
34.854	0.601	140241	3	500.1	√	√			√		√	√	√		√
34.848	0.806	140242	4	405.7	√	√	√	√	√		√	√	√	√	√
34.832	0.838	140243	5	357.4	√	√			√		√	√	√		√
34.786	0.715	140244	6	303.3	√	√			√		√	√	√	√	√
34.582	0.121	140245	7	225.0	√	√	√	√	√		√	√	√	√	√
34.336	-0.377	140246	8	199.2	√	√			√		√	√	√		√
33.808	-1.071	140247	9	174.1	√	√			√		√	√	√		√
33.046	-1.512	140248	10	149.0	√	√			√		√	√	√	√	√
32.700	-1.406	140249	11	123.9	√	√			√		√	√	√		√
32.378	-1.475	140250	12	97.7		√	√	√	√		√	√	√		√
32.120	-1.468	140251	13	77.8	√	√			√		√	√	√	√	√
31.592	-1.044	140252	14	60.6		√			√		√	√	√		√
30.916	-1.287	140253	15	50.3	√	√			√		√	√	√	√	√
30.079	-1.304	140254	16	40.1		√			√		√	√	√		√
29.514	-1.233	140255	17	29.7	√	√			√		√	√	√	√	√
27.657	-1.470	140256	18	19.3		√			√		√	√	√		√
27.643	-1.442	140257	19	10.4	√	√			√		√	√	√	√	√
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SWERUS C3 leg 2

Deck sheet

Station #	101
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Lat	76.322
Long	175.895
Date	2014-09-04
Time (UTC)	08:30:33

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt
34.864	0.496	140258	1	504.6	√	√	√	√	√		√	√	√	√	√
34.853	0.677	140259	2	455.1	√	√			√		√	√	√	√	√
34.849	0.824	140260	3	399.6	√	√			√		√	√	√		√
34.837	0.884	140261	4	349.2	√	√	√	√	√		√	√	√		√
34.799	0.779	140262	5	299.0	√	√			√		√	√	√		√
34.696	0.437	140263	6	248.7	√	√			√		√	√	√	√	√
34.515	-0.025	140264	7	212.5	√	√			√		√	√	√	√	√
34.031	-0.907	140265	8	175.4	√	√			√		√	√	√	√	√
33.227	-1.380	140266	9	150.0	√	√	√	√	√		√	√	√		√
32.755	-1.487	140267	10	124.8	√	√			√		√	√	√	√	√
32.406	-1.567	140268	11	99.6		√			√		√	√	√		√
32.177	-1.456	140269	12	79.3	√	√			√		√	√	√	√	√
31.549	-1.284	140270	13	59.0		√			√		√	√	√		√
30.766	-1.284	140271	14	48.6	√	√	√	√	√		√	√	√	√	√
30.104	-1.290	140272	15	39.2		√			√		√	√	√		√
29.084	-1.226	140273	16	29.8	√	√			√		√	√	√	√	√
28.193	-1.457	140274	17	20.3		√			√		√	√	√		√
27.827	-1.487	140275	18	9.8	√	√			√		√	√	√	√	√
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SWERUS C3 leg 2

Deck sheet

Station #	102
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Lat	76.817
Long	174.795
Date	2014-09-05
Time (UTC)	19:26:04

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt	
34.897	0.029	140276	1	917.8	√	√	√	√	√	√	√	√	√	√	√	
34.885	0.046	140277	2	868.6	√	√			√		√	√	√	√	√	
34.870	0.250	140278	3	701.4	√	√	√	√	√		√	√	√		√	
34.855	0.601	140279	4	502.7	√	√			√	√	√	√	√	√	√	
34.845	0.848	140280	5	401.4	√	√	√	√	√		√	√	√		√	
34.833	0.897	140281	6	351.3	√	√			√		√	√	√	√	√	
34.798	0.787	140282	7	301.8	√	√			√		√	√	√		√	
34.661	0.324	140283	8	237.6	√	√			√	√	√	√	√	√	√	
34.454	-0.148	140284	9	200.7	√	√	√	√	√		√	√	√	√	√	
34.014	-0.927	140285	10	175.6	√	√			√		√	√	√		√	
33.252	-1.405	140286	11	150.3	√	√			√		√	√	√	√	√	
32.782	-1.493	140287	12	125.1		√			√	√	√	√	√		√	
32.427	-1.521	140288	13	100.0	√	√			√		√	√	√	√	√	
32.181	-1.281	140289	14	79.7	√	√			√		√	√	√		√	
31.519	-0.872	140290	15	49.6	√	√			√		√	√	√	√	√	
29.296	-1.096	140291	16	29.3	√	√			√	√	√	√	√		√	
27.422	-1.461	140292	17	10.3	√	√			√	√	√	√	√	√	√	
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SWERUS C3 leg 2

Deck sheet

Station #	103
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Lat	76.678
Long	174.926
Date	2014-09-05
Time (UTC)	22:29:26

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt
34.892	0.164	140293	1	734.9	√	√	√		√		√	√	√	√	√
34.876	0.157	140294	2	684.6	√	√			√		√	√	√	√	√
34.858	0.531	140295	3	500.7	√	√			√		√	√	√		√
34.852	0.798	140296	4	402.2	√	√			√		√	√	√	√	√
34.839	0.878	140297	5	352.5	√	√			√		√	√	√	√	√
34.808	0.806	140298	6	301.8	√	√			√		√	√	√		√
34.733	0.557	140299	7	251.0	√	√			√		√	√	√	√	√
34.613	0.192	140300	8	212.6	√	√	√		√		√	√	√	√	√
34.170	-0.697	140301	9	175.4	√	√			√		√	√	√	√	√
33.475	-1.294	140302	10	150.4	√	√			√		√	√	√		√
32.844	-1.502	140303	11	125.4	√	√			√		√	√	√	√	√
32.453	-1.434	140304	12	100.5		√			√		√	√	√		√
32.244	-1.334	140305	13	80.4	√	√			√		√	√	√		√
31.581	-0.834	140306	14	50.6	√	√	√	√	√		√	√	√	√	√
29.395	-1.060	140307	15	30.4	√	√			√		√	√	√		√
27.558	-1.442	140308	16	10.2	√	√			√		√	√	√	√	√
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SWERUS C3 leg 2

Deck sheet

Station #	104
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Lat	76.584
Long	174.643
Date	2014-09-06
Time (UTC)	02:19:43

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt
34.884	0.470	140309	1	527.7	√	√	√		√	√	√	√	√	√	√
34.859	0.563	140310	2	478.4	√	√			√		√	√	√	√	√
34.850	0.822	140311	3	401.4	√	√			√		√	√	√		√
34.838	0.904	140312	4	351.5	√	√			√		√	√	√	√	√
34.809	0.826	140313	5	301.4	√	√			√	√	√	√	√		√
34.739	0.574	140314	6	251.7	√	√			√		√	√	√	√	√
34.558	0.060	140315	7	199.0	√	√			√	√	√	√	√	√	√
34.284	-0.512	140316	8	175.8	√	√			√		√	√	√	√	√
33.668	-1.225	140317	9	150.6	√	√			√		√	√	√		√
32.935	-1.388	140318	10	125.5	√	√			√		√	√	√	√	√
32.386	-1.446	140319	11	100.4		√	√		√	√	√	√	√		√
32.143	-1.266	140320	12	80.1	√	√			√		√	√	√	√	√
31.286	-0.738	140321	13	50.1	√	√			√	√	√	√	√		√
29.569	-1.200	140322	14	29.9	√	√			√		√	√	√	√	√
27.599	-1.455	140323	15	10.4	√	√			√	√	√	√	√	√	√
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SWERUS C3 leg 2

Deck sheet

Station #	105
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Lat	76.411
Long	173.816
Date	2014-09-06
Time (UTC)	07:20:57

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt
34.852	0.725	140324	1	342.8	√	√	√		√		√	√	√	√	√
34.839	0.802	140325	2	323.0	√	√			√		√	√	√	√	√
34.826	0.851	140326	3	301.1	√	√			√		√	√	√		√
34.746	0.609	140327	4	253.7	√	√			√		√	√	√	√	√
34.574	0.088	140328	5	197.0	√	√	√		√		√	√	√	√	√
34.390	-0.247	140329	6	177.5	√	√			√		√	√	√	√	√
33.738	-1.164	140330	7	152.7	√	√			√		√	√	√	√	√
32.921	-1.431	140331	8	126.9	√	√			√		√	√	√	√	√
32.494	-1.433	140332	9	101.6		√			√		√	√	√		√
32.272	-1.566	140333	10	82.4	√	√			√		√	√	√	√	√
31.682	-1.165	140334	11	53.1	√	√			√		√	√	√		√
29.818	-1.191	140335	12	31.7	√	√			√		√	√	√	√	√
27.760	-1.433	140336	13	10.4	√	√			√		√	√	√	√	√
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SWERUS C3 leg 2

Deck sheet

Station #	106
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Lat	75.821
Long	172.165
Date	2014-09-06
Time (UTC)	19:02:58

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt
34.727	0.537	140337	1	204.0	√	√		√	√	√	√	√	√	√	√
34.715	0.498	140338	2	193.9	√	√			√		√	√	√	√	√
34.493	-0.047	140339	3	160.8	√	√			√	√	√	√	√	√	√
34.311	-0.367	140340	4	150.5	√	√			√		√	√	√	√	√
33.570	-1.220	140341	5	125.2	√	√			√	√	√	√	√	√	√
32.617	-1.468	140342	6	100.1		√			√		√	√	√	√	√
32.333	-1.547	140343	7	79.8	√	√			√	√	√	√	√	√	√
31.771	-1.327	140344	8	49.7	√	√	√	√	√		√	√	√	√	√
29.408	-1.219	140345	9	29.4	√	√			√	√	√	√	√	√	√
28.040	-1.481	140346	10	10.4	√	√			√	√	√	√	√	√	√
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SWERUS C3 leg 2

Deck sheet

Station #	107
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Lat	75.208
Long	170.654
Date	2014-09-07
Time (UTC)	02:09:30

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt
34.095	-0.586	140347	1	95.6	√	√	√	√	√	√	√	√	√	√	√
33.515	-1.011	140348	2	90.1	√	√			√	√	√	√	√	√	√
32.693	-1.408	140349	3	79.7	√	√			√	√	√	√	√	√	√
31.923	-1.558	140350	4	49.6	√	√	√	√	√	√	√	√	√	√	√
30.156	-1.262	140351	5	29.3	√	√			√	√	√	√	√	√	√
27.945	-1.414	140352	6	10.6	√	√			√	√	√	√	√	√	√
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SWERUS C3 leg 2

Deck sheet

Station #	108
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Lat	77.092
Long	162.614
Date	2014-09-08
Time (UTC)	00:37:58

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt
34.211	-0.434	140353	1	100.1	√	√	√	√	√	√	√	√	√	√	√
34.209	-0.436	140354	2	94.6	√	√			√	√	√	√	√	√	√
33.472	-1.176	140355	3	80.2	√	√			√	√	√	√	√	√	√
31.265	-1.568	140356	4	50.1	√	√	√	√	√	√	√	√	√	√	√
29.982	-1.194	140357	5	29.8	√	√			√	√	√	√	√	√	√
27.905	-1.454	140358	6	9.8	√	√			√	√	√	√	√	√	√
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SWERUS C3 leg 2

Deck sheet

Station #	109
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Lat	77.361
Long	163.017
Date	2014-09-08
Time (UTC)	04:11:01

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt
34.214	-0.434	140359	1	110.3		√					√	√	√	√	√
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SWERUS C3 leg 2

Deck sheet

Station #	110
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Lat	77.581
Long	163.277
Date	2014-09-08
Time (UTC)	06:58:10

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt
34.499	-0.110	140360	1	154.9	√	√			√		√	√	√	√	√
34.499	-0.110	140361	2	149.5	√	√			√		√	√	√	√	√
34.348	-0.291	140362	3	119.2	√	√			√		√	√	√	√	√
33.380	-1.157	140363	4	94.0		√			√		√	√	√	√	√
32.784	-1.259	140364	5	83.7	√	√			√		√	√	√	√	√
30.969	-1.372	140365	6	49.8	√	√			√		√	√	√	√	√
30.057	-1.315	140366	7	29.7	√	√			√		√	√	√	√	√
28.086	-1.472	140367	8	10.4	√	√			√		√	√	√	√	√
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SWERUS C3 leg 2

Deck sheet

Station #	112
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Lat	78.024
Long	163.974
Date	2014-09-08
Time (UTC)	15:29:43

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt
34.869	0.913	140368	1	306.7	√	√	√		√	√	√	√	√	√	√
34.862	0.946	140369	2	286.3	√	√			√		√	√	√	√	√
34.840	1.000	140370	3	250.0	√	√			√		√	√	√	√	√
34.734	0.539	140371	4	199.9	√	√			√	√	√	√	√	√	√
34.643	0.168	140372	5	174.6	√	√			√		√	√	√	√	√
34.510	-0.235	140373	6	149.4	√	√			√	√	√	√	√	√	√
34.258	-0.416	140374	7	132.0	√	√			√		√	√	√	√	√
33.021	-1.462	140375	8	99.9		√	√		√	√	√	√	√		√
32.537	-1.162	140376	9	79.6	√	√			√		√	√	√	√	√
31.573	-0.981	140377	10	49.4	√	√			√	√	√	√	√	√	√
29.828	-1.255	140378	11	29.2	√	√			√		√	√	√		√
28.072	-1.496	140379	12	9.9	√	√			√	√	√	√	√	√	√
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SWERUS C3 leg 2

Deck sheet

Station #	114
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Lat	78.228
Long	164.304
Date	2014-09-08
Time (UTC)	18:54:32

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt
34.872	0.892	140380	1	363.4	√	√			√		√	√	√	√	√
34.870	0.918	140381	2	343.4	√	√			√		√	√	√	√	√
34.850	0.977	140382	3	300.7	√	√			√		√	√	√	√	√
34.805	0.896	140383	4	251.0	√	√			√		√	√	√	√	√
34.608	-0.068	140384	5	200.8	√	√			√		√	√	√	√	√
34.478	-0.650	140385	6	175.8	√	√			√		√	√	√		√
34.345	-0.960	140386	7	150.5	√	√			√		√	√	√	√	√
33.793	-0.974	140387	8	116.9	√	√			√		√	√	√	√	√
32.981	-1.498	140388	9	100.9		√			√		√	√	√		√
32.538	-1.223	140389	10	80.9	√	√			√		√	√	√	√	√
31.521	-0.986	140390	11	51.2	√	√			√		√	√	√	√	√
29.965	-1.367	140391	12	31.2	√	√			√		√	√	√		√
28.131	-1.523	140392	13	10.3	√	√			√		√	√	√	√	√
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SWERUS C3 leg 2

Deck sheet

Station #	116
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Lat	78.660
Long	164.992
Date	2014-09-09
Time (UTC)	04:03:40

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt	
34.897	0.672	140393	1	495.7	√	√	√	√	√	√	√	√	√	√	√	
34.897	0.728	140394	2	470.9	√	√			√		√	√	√	√	√	
34.882	0.895	140395	3	400.7	√	√			√		√	√	√	√	√	
34.870	0.972	140396	4	350.3	√	√			√		√	√	√		√	
34.851	1.058	140397	5	300.1	√	√			√	√	√	√	√	√	√	
34.796	0.839	140398	6	250.2	√	√			√		√	√	√		√	
34.655	0.163	140399	7	200.1	√	√			√	√	√	√	√	√	√	
34.535	-0.351	140400	8	175.1	√	√			√		√	√	√		√	
34.396	-0.686	140401	9	149.8	√	√	√	√	√		√	√	√	√	√	
34.015	-0.912	140402	10	121.6	√	√			√		√	√	√	√	√	
33.081	-1.438	140403	11	100.3		√			√	√	√	√	√		√	
32.507	-1.184	140404	12	80.0	√	√			√		√	√	√	√	√	
31.312	-1.194	140405	13	49.9	√	√			√	√	√	√	√		√	
29.773	-1.294	140406	14	30.2	√	√			√		√	√	√	√	√	
26.957	-1.438	140407	15	10.1	√	√			√	√	√	√	√	√	√	
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SWERUS C3 leg 2

Deck sheet

Station #	117
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Lat	78.732
Long	165.308
Date	2014-09-09
Time (UTC)	10:09:48

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt
34.908	0.235	140408	1	760.8	√	√			√		√	√	√	√	√
34.903	0.395	140409	2	710.7	√	√			√		√	√	√		√
34.890	0.723	140410	3	497.6	√	√			√		√	√	√	√	√
34.876	0.908	140411	4	399.8	√	√			√		√	√	√	√	√
34.868	1.038	140412	5	349.5	√	√			√		√	√	√		√
34.841	1.003	140413	6	299.8	√	√			√		√	√	√	√	√
34.801	0.823	140414	7	249.6	√	√			√		√	√	√		√
34.631	0.002	140415	8	199.5	√	√			√		√	√	√	√	√
34.521	-0.463	140416	9	174.3	√	√			√		√	√	√		√
34.374	-0.873	140417	10	149.0	√	√			√		√	√	√	√	√
34.158	-1.106	140418	11	124.7	√	√			√		√	√	√	√	√
33.373	-1.250	140419	12	100.5		√			√		√	√	√		√
32.584	-1.231	140420	13	80.2	√	√			√		√	√	√	√	√
31.470	-1.097	140421	14	50.1	√	√			√		√	√	√	√	√
29.646	-1.254	140422	15	29.9	√	√			√		√	√	√		√
26.947	-1.453	140423	16	10.3	√	√			√		√	√	√	√	√
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SWERUS C3 leg 2

Deck sheet

Station #	118
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Lat	78.797
Long	165.373
Date	2014-09-09
Time (UTC)	12:14:59

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt	
34.913	-0.027	140424	1	971.8	√	√	√	√	√	√	√	√	√	√	√	
34.911	0.122	140425	2	922.4	√	√			√		√	√	√		√	
34.895	0.346	140426	3	702.0	√	√	√	√	√		√	√	√	√	√	
34.889	0.704	140427	4	498.1	√	√			√	√	√	√	√	√	√	
34.876	0.871	140428	5	400.3	√	√			√		√	√	√		√	
34.865	0.943	140429	6	350.0	√	√			√		√	√	√		√	
34.843	0.979	140430	7	299.9	√	√	√	√	√		√	√	√	√	√	
34.788	0.773	140431	8	249.7	√	√			√	√	√	√	√		√	
34.633	-0.029	140432	9	199.6	√	√			√		√	√	√	√	√	
34.539	-0.399	140433	10	174.4	√	√			√		√	√	√		√	
34.418	-0.642	140434	11	150.1	√	√			√		√	√	√	√	√	
34.096	-0.681	140435	12	116.3	√	√			√	√	√	√	√	√	√	
33.566	-1.248	140436	13	99.9		√	√	√	√		√	√	√		√	
32.562	-1.281	140437	14	79.6	√	√			√		√	√	√	√	√	
30.933	-1.377	140438	15	49.5	√	√			√	√	√	√	√	√	√	
29.395	-1.264	140439	16	29.3	√	√			√		√	√	√		√	
26.922	-1.440	140440	17	10.0	√	√			√	√	√	√	√	√	√	
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SWERUS C3 leg 2

Deck sheet

Station #	119
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Lat	79.019
Long	165.305
Date	2014-09-09
Time (UTC)	18:44:38

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt	
34.918	-0.441	140441	1	1485.2	√	√			√		√	√	√	√	√	
34.917	-0.324	140442	3	1435.4	√	√			√		√	√	√		√	
34.909	0.141	140443	4	999.6	√	√			√		√	√	√	√	√	
34.879	0.265	140444	6	703.2	√	√			√		√	√	√		√	
34.870	0.600	140445	7	500.6	√	√			√		√	√	√	√	√	
34.856	0.777	140446	9	402.2	√	√			√		√	√	√	√	√	
34.833	0.762	140447	10	350.0	√	√			√		√	√	√		√	
34.790	0.597	140448	11	299.9	√	√			√		√	√	√		√	
34.755	0.441	140449	12	249.8	√	√			√		√	√	√	√	√	
34.581	-0.425	140450	13	199.8	√	√			√		√	√	√		√	
34.494	-0.911	140451	14	175.4	√	√			√		√	√	√		√	
34.386	-1.188	140452	15	150.1	√	√			√		√	√	√		√	
34.201	-1.340	140453	16	124.0	√	√			√		√	√	√	√	√	
33.625	-1.157	140454	17	98.4	√	√			√		√	√	√	√	√	
32.663	-1.297	140455	19	80.0	√	√			√		√	√	√	√	√	
30.779	-1.354	140456	20	50.4	√	√			√		√	√	√	√	√	
29.381	-1.340	140457	21	30.4	√	√			√		√	√	√		√	
26.742	-1.424	140458	22	11.0	√	√			√		√	√	√	√	√	
			24													

SWERUS C3 leg 2

Deck sheet

Station #	120
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Lat	79.251
Long	166.046
Date	2014-09-10
Time (UTC)	02:09:12

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt	
34.950	-0.491	140459	1	2039.9	√	√	√	√	√	√	√	√	√	√	√	
34.949	-0.497	140460	3	1990.3	√	√			√		√	√	√		√	
34.913	-0.437	140461	4	1499.7	√	√	√	√	√	√	√	√	√	√	√	
34.903	0.014	140462	6	1000.5	√	√	√	√	√		√	√	√	√	√	
34.880	0.202	140463	8	700.6	√	√	√	√	√		√	√	√		√	
34.880	0.611	140464	9	499.9	√	√			√	√	√	√	√	√	√	
34.869	0.859	140465	11	401.8	√	√	√	√	√		√	√	√		√	
34.840	0.878	140466	12	302.1	√	√			√		√	√	√		√	
34.797	0.662	140467	13	252.6	√	√			√		√	√	√	√	√	
34.622	-0.264	140468	14	202.5	√	√			√		√	√	√		√	
34.409	-1.126	140469	15	150.6	√	√			√		√	√	√		√	
34.257	-1.284	140470	16	125.4	√	√			√		√	√	√	√	√	
33.873	-1.333	140471	17	100.1	√	√			√	√	√	√	√	√	√	
33.116	-1.350	140472	19	79.8	√	√	√	√	√		√	√	√	√	√	
30.313	-1.460	140473	21	49.7	√	√			√		√	√	√	√	√	
29.555	-1.281	140474	22	29.3	√	√			√	√	√	√	√		√	
27.608	-1.477	140475	23	9.9	√	√			√	√	√	√	√	√	√	
			24													

SWERUS C3 leg 2

Deck sheet

Station #	121
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Lat	79.227
Long	152.688
Date	2014-09-11
Time (UTC)	03:53:49

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt
34.239	-0.867	140476	1	99.6	√	√	√	√	√	√	√	√	√	√	√
34.237	-0.864	140477	2	94.1		√			√	√	√	√	√	√	√
34.234	-0.859	140478	3	79.8	√	√			√		√	√	√	√	√
34.000	-1.000	140479	4	69.3		√			√	√	√	√	√	√	√
32.224	-1.336	140480	5	50.0	√	√	√	√	√		√	√	√	√	√
29.236	-1.103	140481	6	30.7	√	√			√	√	√	√	√	√	√
26.009	-0.978	140482	7	20.3		√			√	√	√	√	√	√	√
25.501	-1.166	140483	8	10.0	√	√			√	√	√	√	√	√	√
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SWERUS C3 leg 2

Deck sheet

Station #	122
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Lat	79.332
Long	153.311
Date	2014-09-11
Time (UTC)	05:35:06

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt
34.111	-0.982	140484	1	90.8	√	√			√		√	√	√	√	√
34.109	-0.984	140485	2	85.1		√			√		√	√	√	√	√
34.105	-0.984	140486	3	79.7	√	√			√		√	√	√	√	√
33.819	-1.077	140487	4	69.3		√			√		√	√	√	√	√
32.592	-1.302	140488	5	49.1	√	√			√		√	√	√	√	√
25.518	-1.226	140489	6	20.4		√			√		√	√	√	√	√
25.051	-1.287	140490	7	10.3	√	√			√		√	√	√	√	√
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SWERUS C3 leg 2

Deck sheet

Station #	123
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Lat	79.491
Long	153.560
Date	2014-09-11
Time (UTC)	07:08:35

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt
34.383	-0.969	140492	1	118.5	√	√			√	√	√	√	√	√	√
34.362	-0.987	140493	2	113.3		√			√		√	√	√	√	√
34.336	-1.002	140494	3	98.5	√	√			√	√	√	√	√	√	√
33.959	-1.127	140495	4	80.1	√	√			√		√	√	√	√	√
32.400	-1.387	140496	5	49.9	√	√			√	√	√	√	√	√	√
28.248	2.043	140497	6	29.6	√	√			√	√	√	√	√	√	√
25.221	-1.060	140498	7	20.0		√			√		√	√	√	√	√
24.731	-1.240	140499	8	10.2	√	√			√	√	√	√	√	√	√
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SWERUS C3 leg 2

Deck sheet

Station #	124
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Lat	79.613
Long	153.770
Date	2014-09-11
Time (UTC)	08:33:25

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt	
34.756	0.148	140500	1	209.3		√			√		√	√	√	√	√	
34.756	0.148	140500	2	209.3												P
34.740	0.057	140501	3	199.5		√			√		√	√	√	√	√	
34.678	-0.280	140502	4	174.4		√			√		√	√	√	√	√	
34.567	-0.713	140503	5	148.5		√			√		√	√	√	√	√	
34.473	-0.788	140504	6	125.4		√			√		√	√	√	√	√	
34.361	-0.992	140505	7	100.4		√			√		√	√	√	√	√	P
34.127	-1.091	140506	8	80.1		√			√		√	√	√		√	
32.621	-1.334	140507	9	50.2		√			√		√	√	√	√	√	
32.621	-1.334	140507	10	50.2												P
28.581	-0.505	140508	11	30.3		√			√		√	√	√	√	√	
28.581	-0.505	140508	12	30.3												P
24.742	-0.980	140509	13	10.3		√			√		√	√	√	√	√	
24.742	-0.980	140509	14	10.3												P
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SWERUS C3 leg 2

Deck sheet

Station #	125
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Lat	79.680
Long	153.921
Date	2014-09-11
Time (UTC)	09:41:56

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt
34.838	0.454	140510	1	290.1	√	√	√	√	√	√	√	√	√	√	√
34.811	0.387	140511	2	270.4		√			√		√	√	√		√
34.776	0.258	140512	3	250.4	√	√			√		√	√	√	√	√
34.682	-0.197	140513	4	200.1	√	√			√	√	√	√	√	√	√
34.618	-0.564	140514	5	174.6	√	√			√		√	√	√	√	√
34.558	-0.743	140515	6	149.4	√	√			√	√	√	√	√	√	√
34.486	-0.877	140516	7	125.0	√	√			√		√	√	√	√	√
34.371	-0.986	140517	8	100.8		√	√	√	√	√	√	√	√		√
34.099	-1.113	140518	9	80.9	√	√			√		√	√	√	√	√
32.646	-1.340	140519	10	51.0	√	√			√		√	√	√	√	√
29.358	-1.316	140520	11	30.8	√	√			√	√	√	√	√	√	√
24.775	-1.270	140521	12	10.5	√	√			√	√	√	√	√	√	√
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			16												
			17												
			18												
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			22												
			23												
			24												

SWERUS C3 leg 2

Deck sheet

Station #	127
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Lat	79.767
Long	154.591
Date	2014-09-11
Time (UTC)	18:38:20

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt	
34.872	0.282	140522	1	511.3	√	√	√	√	√	√	√	√	√	√	√	
34.864	0.241	140523	2	487.8	√	√			√		√	√	√		√	
34.854	0.444	140524	3	403.0	√	√			√		√	√	√	√	√	
34.859	0.613	140525	4	352.2	√	√			√		√	√	√		√	
34.841	0.634	140526	5	301.7	√	√	√	√	√	√	√	√	√	√	√	
34.795	0.438	140527	6	251.9	√	√			√		√	√	√		√	
34.731	0.129	140528	7	201.2	√	√			√	√	√	√	√	√	√	
34.668	-0.218	140529	8	176.3	√	√			√		√	√	√		√	
34.593	-0.584	140530	9	151.0	√	√	√	√	√		√	√	√	√	√	
34.502	-0.826	140531	10	125.8	√	√			√		√	√	√		√	
34.330	-0.922	140532	11	100.2		√			√	√	√	√	√	√	√	
34.003	-1.124	140533	12	80.1	√	√			√		√	√	√	√	√	
32.776	-1.298	140534	13	55.0	√	√	√	√	√	√	√	√	√	√	√	
29.221	-0.991	140535	14	29.5	√	√			√		√	√	√	√	√	
24.704	-1.283	140536	15	10.3	√	√			√	√	√	√	√	√	√	
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			22													
			23													
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SWERUS C3 leg 2

Deck sheet

Station #	128
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Lat	79.817
Long	154.169
Date	2014-09-12
Time (UTC)	03:12:59

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt
34.893	0.073	140537	1	742.0		√			√		√	√	√	√	√
34.890	0.100	140538	2	692.4		√			√		√	√	√		√
34.860	0.294	140539	3	498.1		√			√		√	√	√	√	√
34.854	0.465	140540	4	402.7		√			√		√	√	√		√
34.842	0.557	140541	5	351.5		√			√		√	√	√	√	√
34.874	1.069	140542	6	301.3		√			√		√	√	√		√
34.851	1.047	140543	7	250.6		√			√		√	√	√	√	√
34.770	0.595	140544	8	199.8		√			√		√	√	√		√
34.673	-0.123	140545	9	175.2		√			√		√	√	√	√	√
34.587	-0.607	140546	10	151.0		√			√		√	√	√		√
34.498	-0.776	140547	11	125.3		√			√		√	√	√		√
34.267	-0.976	140548	12	99.7		√			√		√	√	√	√	√
33.895	-1.141	140549	13	79.9		√			√		√	√	√	√	√
33.380	-1.173	140550	14	65.8		√			√		√	√	√	√	√
29.338	-1.249	140551	15	30.4		√			√		√	√	√	√	√
24.550	-1.219	140552	16	10.1		√			√		√	√	√	√	√
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			18												
			19												
			20												
			21												
			22												
			23												
			24												

SWERUS C3 leg 2

Deck sheet

Station #	129
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Lat	79.927
Long	154.417
Date	2014-09-12
Time (UTC)	07:54:03

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt
34.906	-0.273	140553	1	1197.3	√	√	√	√	√	√	√	√	√	√	√
34.906	-0.243	140554	2	1147.5	√	√			√		√	√	√		√
34.892	0.247	140555	3	702.1	√	√	√	√	√		√	√	√	√	√
34.884	0.614	140556	4	505.5	√	√			√	√	√	√	√	√	√
34.860	0.568	140557	5	434.9	√	√			√		√	√	√		√
34.884	1.152	140558	6	348.7	√	√	√	√	√		√	√	√	√	√
34.856	1.093	140559	7	299.3	√	√			√		√	√	√		√
34.816	0.958	140560	8	249.9	√	√			√		√	√	√	√	√
34.726	0.412	140561	9	201.1	√	√			√	√	√	√	√		√
34.588	-0.465	140562	10	176.6	√	√			√		√	√	√	√	√
34.490	-0.848	140563	11	151.7	√	√			√		√	√	√		√
34.313	-1.459	140564	12	124.9	√	√			√		√	√	√	√	√
34.145	-1.405	140565	13	99.3		√	√	√	√	√	√	√	√		√
33.864	-1.615	140566	14	79.5	√	√			√		√	√	√	√	√
33.126	-1.230	140567	15	64.2	√	√			√	√	√	√	√	√	√
29.439	-1.274	140568	16	30.0	√	√			√		√	√	√		√
25.372	-1.325	140569	17	10.0	√	√			√	√	√	√	√	√	√
			18												
			19												
			20												
			21												
			22												
			23												
			24												

SWERUS C3 leg 2

Deck sheet

Station #	130
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Lat	80.070
Long	154.420
Date	2014-09-12
Time (UTC)	11:23:28

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt
34.924	-0.547	140570	1	1526.1		√			√		√	√	√	√	√
34.916	-0.520	140571	2	1477.3		√			√		√	√	√		√
34.906	-0.267	140572	3	1298.9		√			√		√	√	√		√
34.902	-0.131	140573	4	1101.5		√			√		√	√	√	√	√
34.896	0.043	140574	5	899.5		√			√		√	√	√		√
34.887	0.291	140575	6	701.9		√			√		√	√	√		√
34.855	0.377	140576	7	498.6		√			√		√	√	√	√	√
34.864	0.824	140577	8	400.2		√			√		√	√	√		√
34.873	1.090	140578	9	349.5		√			√		√	√	√		√
34.855	1.120	140579	10	299.2		√			√		√	√	√	√	√
34.794	0.813	140580	11	249.3		√			√		√	√	√		√
34.603	-0.311	140581	12	199.6		√			√		√	√	√		√
34.482	-0.907	140582	13	174.7		√			√		√	√	√	√	√
34.343	-1.354	140583	14	148.9		√			√		√	√	√		√
34.202	-1.668	140584	15	123.9		√			√		√	√	√	√	√
34.028	-1.722	140585	16	99.1		√			√		√	√	√		√
33.743	-1.560	140586	17	78.3		√			√		√	√	√	√	√
32.412	-1.322	140587	18	55.4		√			√		√	√	√	√	√
29.608	-1.368	140588	19	29.6		√			√		√	√	√	√	√
25.219	-0.825	140589	20	10.4		√			√		√	√	√	√	√
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			22												
			23												
			24												



SWERUS C3 leg 2

Deck sheet

Station #	131-1
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Lat	80.428
Long	154.501
Date	2014-09-12
Time (UTC)	15:39:12

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt	
34.321	-1.130	140590	1	101.3		√			√	√	√	√	√	√	√	
34.321	-1.130	140590	2	101.3												P
33.909	-1.511	140591	3	80.6	√	√			√		√	√	√	√	√	
32.533	-1.472	140592	4	50.3	√	√			√		√	√	√	√	√	
32.533	-1.472	140592	5	50.3												P
29.803	-0.609	140593	6	30.4	√	√			√	√	√	√	√	√	√	
25.178	-0.517	140594	7	10.3	√	√			√	√	√	√	√	√	√	
25.178	-0.517	140594	8	10.3												P
			9													
			10													
			11													
			12													
			13													
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			15													
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			21													
			22													
			23													
			24													

SWERUS C3 leg 2

Deck sheet

Station #	131-2
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Lat	80.439
Long	154.499
Date	2014-09-12
Time (UTC)	16:35:29

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt	
34.950	-0.494	140595	1	2230.4	√	√	√	√	√	√	√	√	√	√	√	
34.950	-0.494	140595	2	2230.4												P
34.950	-0.494	140596	3	2210.6	√	√			√		√	√	√		√	
34.949	-0.499	140597	4	2100.3	√				√		√	√	√	√	√	
34.943	-0.502	140598	5	1902.3	√	√			√		√	√	√		√	
34.930	-0.511	140599	6	1701.1	√		√	√	√		√	√	√	√	√	
34.912	-0.490	140600	7	1502.8	√	√			√	√	√	√	√	√	√	
34.912	-0.490	140600	8	1502.8												P
34.904	-0.381	140601	9	1300.5	√				√		√	√	√		√	
34.898	-0.252	140602	10	1100.5	√	√	√	√	√	√	√	√	√	√	√	
34.898	-0.252	140602	11	1100.5												P
34.897	-0.032	140603	12	902.0	√	√			√		√	√	√		√	
34.893	0.214	140604	13	700.9	√	√	√	√	√		√	√	√		√	
34.889	0.629	140605	14	501.7	√	√			√	√	√	√	√	√	√	
34.889	0.629	140605	15	501.7												P
34.889	1.026	140606	16	401.5	√	√			√		√	√	√		√	
34.888	1.175	140607	17	351.6	√		√	√	√		√	√	√	√	√	
34.855	1.058	140608	18	302.2	√	√			√		√	√	√		√	
34.808	0.810	140609	19	251.0	√	√			√		√	√	√	√	√	
34.738	0.570	140610	20	200.1	√	√			√	√	√	√	√		√	
34.653	0.098	140611	21	175.9	√	√			√		√	√	√	√	√	
34.529	-0.649	140612	22	151.2	√				√		√	√	√		√	
34.441	-1.089	140613	23	126.4	√	√			√		√	√	√	√	√	
34.317	-1.483	140614	24	101.0	√	√	√	√			√	√	√		√	

SWERUS C3 leg 2

Deck sheet

Station #	132
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Lat	81.305
Long	141.765
Date	2014-09-14
Time (UTC)	03:20:32

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt
34.907	-0.014	140615	1	851.6	√	√	√	√	√	√	√	√	√	√	√
34.902	0.071	140616	2	801.2	√	√			√		√	√	√		√
34.898	0.219	140617	3	698.1	√	√			√		√	√	√	√	√
34.894	0.640	140618	4	502.7	√	√	√	√	√		√	√	√		√
34.883	0.901	140619	5	402.9	√	√			√	√	√	√	√	√	√
34.879	1.039	140620	6	358.0	√	√			√		√	√	√		√
34.855	1.044	140621	7	303.6	√	√			√		√	√	√	√	√
34.859	1.143	140622	8	254.1	√	√	√	√	√		√	√	√		√
34.826	1.136	140623	9	203.1	√	√			√	√	√	√	√	√	√
34.671	0.221	140624	10	176.1	√	√			√		√	√	√		√
34.575	-0.272	140625	11	152.1	√	√			√		√	√	√	√	√
34.466	-0.812	140626	12	126.2	√	√			√		√	√	√		√
34.319	-1.303	140627	13	101.5		√			√	√	√	√	√	√	√
34.153	-1.472	140628	14	82.1	√	√			√		√	√	√		√
33.530	-1.511	140629	15	51.0	√	√	√	√	√	√	√	√	√	√	√
31.432	-1.374	140630	16	30.8	√	√			√		√	√	√	√	√
28.114	1.539	140631	17	9.7	√	√			√	√	√	√	√	√	√
			18												
			19												
			20												
			21												
			22												
			23												
			24												

SWERUS C3 leg 2

Deck sheet

Station #	135
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Lat	80.791
Long	142.475
Date	2014-09-14
Time (UTC)	16:00:11

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt
34.946	-0.495	140632	1	1762.1	√	√	√	√	√	√	√	√	√	√	√
34.937	-0.511	140633	2	1711.8	√	√			√		√	√	√	√	√
34.913	-0.476	140634	3	1496.6	√	√	√	√	√		√	√	√	√	√
34.907	-0.373	140635	4	1300.3	√	√			√		√	√	√		√
34.900	-0.125	140636	5	999.8	√	√	√	√	√	√	√	√	√	√	√
34.886	0.171	140637	6	703.5	√	√			√		√	√	√		√
34.881	0.565	140638	7	504.9	√	√			√	√	√	√	√		√
34.872	0.788	140639	8	404.6	√	√			√		√	√	√	√	√
34.873	0.965	140640	9	352.2	√	√			√		√	√	√		√
34.858	1.029	140641	10	302.6	√	√	√	√	√		√	√	√	√	√
34.852	1.053	140642	11	251.4	√	√			√		√	√	√		√
34.809	0.854	140643	12	200.8	√	√			√	√	√	√	√	√	√
34.734	0.517	140644	13	175.6	√	√			√		√	√	√		√
34.629	0.019	140645	14	150.9	√	√			√		√	√	√	√	√
34.514	-0.586	140646	15	126.4	√	√			√		√	√	√		√
34.387	-1.113	140647	16	101.9		√			√		√	√	√		√
34.266	-1.382	140648	17	82.7	√	√			√		√	√	√		√
33.932	-1.498	140649	18	50.7	√	√			√	√	√	√	√	√	√
33.176	-1.363	140650	19	30.8	√	√			√		√	√	√		√
29.424	1.251	140651	20	10.1	√	√			√	√	√	√	√	√	√
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SWERUS C3 leg 2

Deck sheet

Station #	138
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Lat	80.345
Long	142.857
Date	2014-09-15
Time (UTC)	03:08:10

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt	
34.931	-0.540	140652	1	1550.4	√	√	√	√	√	√	√	√	√	√	√	
34.913	-0.515	140653	2	1502.0	√	√			√		√	√	√		√	
34.909	-0.260	140654	3	1301.1	√	√			√		√	√	√	√	√	
34.903	-0.139	140655	4	1101.0	√	√			√		√	√	√		√	
34.899	0.022	140656	5	902.2	√	√			√	√	√	√	√	√	√	
34.895	0.293	140657	6	700.6	√	√			√		√	√	√		√	
34.874	0.581	140658	7	498.3	√	√			√	√	√	√	√	√	√	
34.871	0.821	140659	8	400.5	√	√			√		√	√	√		√	
34.877	1.080	140660	9	350.4	√	√			√		√	√	√		√	
34.874	1.248	140661	10	300.2	√	√			√		√	√	√	√	√	
34.858	1.303	140662	11	249.9	√	√	√	√	√		√	√	√		√	
34.785	0.888	140663	12	200.3	√	√			√	√	√	√	√	√	√	
34.705	0.396	140664	13	175.0	√	√			√		√	√	√		√	
34.559	-0.643	140665	14	149.6	√	√			√		√	√	√		√	
34.451	-1.138	140666	15	124.2	√	√			√		√	√	√	√	√	
34.363	-1.776	140667	16	99.2		√			√		√	√	√		√	
34.291	-1.562	140668	17	80.0	√	√			√		√	√	√		√	
33.905	-1.438	140669	18	49.9	√	√			√	√	√	√	√	√	√	
33.177	0.319	140670	19	29.5	√	√			√		√	√	√	√	√	
30.745	1.736	140671	20	10.0	√	√			√	√	√	√	√	√	√	
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SWERUS C3 leg 2

Deck sheet

Station #	142
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Lat	79.992
Long	143.184
Date	2014-09-15
Time (UTC)	12:06:05

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt
34.912	-0.348	140672	1	1290.3	√	√	√	√	√	√	√	√	√	√	√
34.909	-0.279	140673	2	1240.0	√	√			√		√	√	√	√	√
34.905	-0.026	140674	3	997.9	√	√			√		√	√	√	√	√
34.889	0.274	140675	4	702.8	√	√			√		√	√	√		√
34.891	0.837	140676	5	500.3	√	√			√	√	√	√	√	√	√
34.883	1.109	140677	6	401.7	√	√			√		√	√	√		√
34.867	1.161	140678	7	350.5	√	√			√		√	√	√	√	√
34.856	1.263	140679	8	301.2	√	√			√		√	√	√		√
34.828	1.193	140680	9	250.9	√	√			√	√	√	√	√	√	√
34.642	-0.079	140681	10	200.0	√	√			√		√	√	√		√
34.526	-0.788	140682	11	175.6	√	√			√		√	√	√		√
34.406	-1.486	140683	12	150.5	√	√			√		√	√	√	√	√
34.323	-1.768	140684	13	125.2	√	√			√		√	√	√		√
34.209	-1.631	140685	14	99.7	√	√	√	√	√	√	√	√	√	√	√
34.083	-1.742	140686	15	79.4		√			√		√	√	√		√
33.596	-1.456	140687	16	57.1	√	√			√	√	√	√	√	√	√
32.082	1.457	140688	17	29.8	√	√			√		√	√	√		√
29.882	2.156	140689	18	10.1	√	√			√	√	√	√	√	√	√
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SWERUS C3 leg 2

Deck sheet

Station #	144
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Lat	80.702
Long	142.106
Date	2014-09-17
Time (UTC)	06:39:49

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt
34.943	-0.498	140690	1	1756.4		√			√		√	√	√	√	√
34.942	-0.498	140691	2	1746.9		√			√		√	√	√	√	√
34.935	-0.509	140692	3	1689.3		√			√		√	√	√	√	√
34.923	-0.519	140693	4	1596.9		√			√		√	√	√	√	√
34.910	-0.357	140694	5	1300.5		√			√		√	√	√		√
34.902	-0.119	140695	6	1000.3		√			√		√	√	√	√	√
34.887	0.145	140696	7	701.8		√			√		√	√	√		√
34.881	0.566	140697	8	506.9		√			√		√	√	√		√
34.871	0.782	140698	9	406.9		√			√		√	√	√	√	√
34.877	1.017	140699	10	356.6		√			√		√	√	√		√
34.852	1.026	140700	11	302.2		√			√		√	√	√		√
34.818	0.893	140701	12	252.6		√			√		√	√	√	√	√
34.808	0.847	140702	13	203.9		√			√		√	√	√		√
34.671	0.219	140703	14	172.4		√			√		√	√	√		√
34.589	-0.205	140704	15	153.3		√			√		√	√	√	√	√
34.443	-0.925	140705	16	125.9		√			√		√	√	√		√
34.301	-1.370	140706	17	100.4		√			√		√	√	√		√
33.927	-1.533	140707	18	52.6		√			√		√	√	√	√	√
32.867	-1.472	140708	19	29.4		√			√		√	√	√		√
29.913	1.095	140709	20	8.8		√			√		√	√	√	√	√
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SWERUS C3 leg 2

Deck sheet

Station #	145
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Lat	84.506
Long	151.892
Date	2014-09-20
Time (UTC)	03:59:39

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt	
34.949	-0.497	140710	1	2122.6	√	√	√	√	√	√	√	√	√	√	√	
34.947	-0.502	140711	2	2098.5	√	√			√		√	√	√	√	√	
34.946	-0.502	140712	3	2066.3	√	√			√		√	√	√	√	√	
34.945	-0.502	140713	4	2011.6	√	√			√		√	√	√	√	√	
34.935	-0.489	140714	5	1700.8	√	√			√		√	√	√		√	
34.920	-0.476	140715	6	1498.8	√	√	√	√	√	√	√	√	√	√	√	
34.906	-0.423	140716	7	1305.1	√	√			√		√	√	√		√	
34.896	-0.303	140717	8	1103.0	√	√			√		√	√	√		√	
34.889	-0.128	140718	9	905.2	√	√	√	√	√		√	√	√	√	√	
34.884	0.164	140719	10	703.0	√	√			√		√	√	√		√	
34.884	0.652	140720	11	502.7	√	√			√	√	√	√	√		√	
34.883	1.001	140721	12	403.0	√	√	√	√	√		√	√	√	√	√	
34.862	1.167	140722	13	302.2	√	√			√		√	√	√		√	
34.818	0.931	140723	14	230.1	√	√			√		√	√	√		√	
34.511	-0.424	140724	15	150.5	√	√			√	√	√	√	√	√	√	
34.209	-1.499	140725	16	100.4	√	√			√		√	√	√		√	
33.933	-1.455	140726	17	80.0		√			√		√	√	√		√	
32.631	-1.644	140727	18	50.0	√	√			√		√	√	√	√	√	
31.159	-1.617	140728	19	29.9		√			√	√	√	√	√		√	
26.579	-0.650	140729	20	9.7	√	√			√	√	√	√	√	√	√	
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SWERUS C3 leg 2

Deck sheet

Station #	146
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Lat	84.275
Long	148.771
Date	2014-09-22
Time (UTC)	04:11:22

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt
34.905	-0.132	140730	1	893.3		√			√	√	√	√	√	√	√
34.904	-0.132	140731	2	888.2		√			√		√	√	√	√	√
34.903	-0.133	140732	3	882.7		√			√	√	√	√	√	√	√
34.901	-0.066	140733	4	842.9		√			√		√	√	√	√	√
34.892	0.139	140734	5	700.9		√			√		√	√	√	√	√
34.890	0.681	140735	6	497.9		√			√	√	√	√	√		√
34.884	0.985	140736	7	400.3		√			√		√	√	√	√	√
34.863	1.168	140737	8	300.9		√			√		√	√	√		√
34.757	0.701	140738	9	201.4		√			√		√	√	√	√	√
34.529	-0.245	140739	10	151.4		√			√	√	√	√	√		√
34.229	-1.405	140740	11	100.4		√			√		√	√	√	√	√
33.946	-1.532	140741	12	80.0		√			√		√	√	√		√
32.736	-1.663	140742	13	49.6		√			√		√	√	√	√	√
31.330	-1.612	140743	14	29.3		√			√	√	√	√	√		√
26.317	-0.726	140744	15	10.4		√			√	√	√	√	√	√	√
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SWERUS C3 leg 2

Deck sheet

Station #	147
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Lat	83.733
Long	142.515
Date	2014-09-22
Time (UTC)	13:22:59

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt
34.913	-0.467	140745	1	1481.2		√			√		√	√	√	√	√
34.913	-0.467	140746	2	1460.9		√			√		√	√	√		√
34.913	-0.461	140747	3	1430.0		√			√		√	√	√		√
34.913	-0.449	140748	4	1379.1		√			√		√	√	√	√	√
34.913	-0.380	140749	5	1299.5		√			√		√	√	√		√
34.913	-0.305	140750	6	1198.8		√			√		√	√	√	√	√
34.911	-0.071	140751	7	996.2		√			√		√	√	√	√	√
34.900	1.295	140752	8	404.6		√			√		√	√	√	√	√
34.838	1.315	140753	9	205.2		√			√		√	√	√		√
34.559	-0.119	140754	10	155.7		√			√		√	√	√	√	√
34.231	-1.541	140755	11	100.8		√			√		√	√	√		√
34.059	-1.765	140756	12	80.8		√			√		√	√	√	√	√
33.610	-1.726	140757	13	49.4		√			√		√	√	√	√	√
32.492	-1.591	140758	14	28.8		√			√		√	√	√	√	√
28.560	-0.859	140759	15	9.7		√			√		√	√	√	√	√
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SWERUS C3 leg 2

Deck sheet

Station #	148
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Lat	83.736
Long	141.942
Date	2014-09-22
Time (UTC)	15:55:56

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt
34.915	-0.720	140760	1	1983.8		√			√		√	√	√	√	√
34.915	-0.710	140761	2	1934.1		√			√		√	√	√	√	√
34.914	-0.701	140762	3	1884.4		√			√		√	√	√	√	√
34.914	-0.678	140763	4	1801.2		√			√		√	√	√	√	√
34.912	-0.584	140764	5	1602.7		√			√		√	√	√	√	√
34.914	-0.502	140765	6	1499.8		√			√		√	√	√	√	√
34.913	-0.422	140766	7	1399.6		√			√		√	√	√	√	√
34.913	-0.215	140767	8	1198.9		√			√		√	√	√	√	√
34.908	-0.032	140768	9	997.6		√			√		√	√	√	√	√
34.906	1.348	140769	10	401.5		√			√		√	√	√	√	√
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SWERUS C3 leg 2

Deck sheet

Station #	149
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Lat	83.755
Long	140.917
Date	2014-09-22
Time (UTC)	18:44:26

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt
34.921	-0.830	140770	1	2586.9		√			√	√	√	√	√	√	√
34.920	-0.823	140771	2	2487.0		√			√		√	√	√	√	√
34.918	-0.801	140772	3	2202.0		√			√		√	√	√		√
34.914	-0.711	140773	4	2001.0		√			√		√	√	√	√	√
34.912	-0.633	140774	5	1803.6		√			√	√	√	√	√		√
34.914	-0.375	140775	6	1502.7		√			√		√	√	√		√
34.891	-0.281	140776	7	1201.0		√			√		√	√	√	√	√
34.881	-0.173	140777	8	1001.0		√			√	√	√	√	√	√	√
34.879	1.088	140778	9	401.3		√			√	√	√	√	√	√	√
34.819	1.224	140779	10	200.8		√			√		√	√	√		√
34.210	-1.703	140780	11	101.5		√			√		√	√	√	√	√
34.073	-1.794	140781	12	81.0		√			√		√	√	√		√
33.405	-1.727	140782	13	50.9		√			√		√	√	√	√	√
32.366	-1.682	140783	14	30.6		√			√		√	√	√	√	√
28.002	-0.563	140784	15	10.2		√			√		√	√	√	√	√
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SWERUS C3 leg 2

Deck sheet

Station #	150
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Lat	83.775
Long	140.309
Date	2014-09-22
Time (UTC)	21:43:16

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt
34.930	-0.903	140785	1	3214.6		√			√		√	√	√	√	√
34.926	-0.883	140786	2	2801.1		√			√		√	√	√	√	√
34.920	-0.818	140787	3	2400.8		√			√		√	√	√	√	√
34.915	-0.733	140788	4	2003.4		√			√		√	√	√	√	√
34.913	-0.656	140789	5	1801.9		√			√		√	√	√	√	√
34.913	-0.510	140790	6	1600.9		√			√		√	√	√	√	√
34.913	-0.326	140791	7	1401.6		√			√		√	√	√	√	√
34.895	-0.285	140792	8	1204.1		√			√		√	√	√	√	√
34.894	-0.083	140793	9	1001.7		√			√		√	√	√	√	√
34.904	1.348	140794	10	401.6		√			√		√	√	√	√	√
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SWERUS C3 leg 2

Deck sheet

Station #	151
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Lat	83.785
Long	138.703
Date	2014-09-23
Time (UTC)	01:38:49

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt
34.940	-0.929	140795	1	3964.4		√	√	√	√		√	√	√	√	√
34.931	-0.912	140796	2	3191.3		√	√	√	√		√	√	√	√	√
34.927	-0.888	140797	3	2792.4		√	√	√	√		√	√	√	√	√
34.920	-0.846	140798	4	2399.0		√			√		√	√	√	√	√
34.916	-0.762	140799	5	1995.2		√			√		√	√	√	√	√
34.914	-0.694	140800	6	1796.7		√	√	√	√		√	√	√		√
34.912	-0.602	140801	7	1599.0		√			√		√	√	√	√	√
34.914	-0.447	140802	8	1402.1		√	√	√	√		√	√	√	√	√
34.915	-0.258	140803	9	1202.0		√			√		√	√	√	√	√
34.910	-0.062	140804	10	1000.7		√	√	√	√		√	√	√	√	√
34.902	1.294	140805	11	404.3		√			√		√	√	√	√	√
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SWERUS C3 leg 2

Deck sheet

Station #	152
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Lat	84.719
Long	150.938
Date	2014-09-24
Time (UTC)	22:45:46

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt
34.921	-0.537	140806	1	1679.9		√			√	√	√	√	√	√	√
34.921	-0.531	140807	2	1659.1		√			√		√	√	√	√	√
34.920	-0.512	140808	3	1628.2		√			√		√	√	√	√	√
34.917	-0.494	140809	4	1574.4		√			√	√	√	√	√		√
34.906	-0.221	140810	5	1100.0		√			√		√	√	√	√	√
34.895	-0.070	140811	6	899.2		√			√		√	√	√		√
34.886	0.163	140812	7	699.6		√			√	√	√	√	√	√	√
34.879	0.595	140813	8	499.1		√			√		√	√	√		√
34.883	1.022	140814	9	401.5		√			√		√	√	√	√	√
34.865	1.223	140815	10	300.6		√			√		√	√	√		√
34.818	0.938	140816	11	222.0		√			√	√	√	√	√	√	√
34.510	-0.348	140817	12	150.0		√			√		√	√	√		√
34.245	-1.403	140818	13	100.1		√			√		√	√	√	√	√
34.059	-1.449	140819	14	79.7		√			√		√	√	√		√
33.228	-1.726	140820	15	50.4		√			√		√	√	√	√	√
31.671	-1.649	140821	16	30.0		√			√	√	√	√	√		√
27.352	-1.312	140822	17	9.4		√			√	√	√	√	√	√	√
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SWERUS C3 leg 2

Deck sheet

Station #	154
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Lat	84.595
Long	149.832
Date	2014-09-25
Time (UTC)	06:00:16

Salinity	Temp	Identifier	Niskin #	Depth (m)	CFC	Oxygen	Helium	Tritium	Methane	CH4 isotops	DIC	pH-TA	Nuts	<sup>13</sup> C - <sup>18</sup> O	Salt
34.921	-0.561	140823	1	1662.3		√			√	√	√	√	√	√	√
34.921	-0.561	140824	2	1642.1		√			√		√	√	√	√	√
34.922	-0.530	140825	3	1611.7		√			√		√	√	√	√	√
34.921	-0.464	140826	4	1558.1		√			√	√	√	√	√		√
34.906	-0.182	140827	5	1102.7		√			√		√	√	√	√	√
34.897	-0.020	140828	6	898.8		√			√		√	√	√		√
34.894	0.264	140829	7	699.4		√			√	√	√	√	√	√	√
34.893	0.725	140830	8	498.6		√			√		√	√	√		√
34.886	0.953	140831	9	400.8		√			√		√	√	√	√	√
34.862	1.132	140832	10	302.2		√			√		√	√	√		√
34.820	0.965	140833	11	223.2		√			√	√	√	√	√	√	√
34.562	-0.123	140834	12	151.6		√			√		√	√	√		√
34.275	-1.365	140835	13	100.4		√			√		√	√	√	√	√
34.053	-1.601	140836	14	80.0		√			√		√	√	√		√
33.305	-1.706	140837	15	49.9		√			√		√	√	√	√	√
31.918	-1.666	140838	16	29.7		√			√	√	√	√	√		√
28.286	-1.335	140839	17	10.1		√			√	√	√	√	√	√	√
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