

2016 I08S Planned Station Positions

<u>Station#</u>	<u>Latitude (N)</u>	<u>Longitude (E)</u>	<u>Cast Depth (m)</u>
0	-32.155	115.765	0.0
-1000	-32.144	115.659	0.0
9991	-37.000	111.500	3000.0
-1001	-65.000	84.550	0.0
1	-66.000	84.550	404.0
2	-65.811	84.550	440.2
3	-65.768	84.535	1246.9
4	-65.713	84.449	1995.6
5	-65.524	84.481	2682.1
6	-65.167	84.312	3092.3
7	-64.665	84.311	3512.6
8	-64.401	83.552	3562.4
9	-63.946	83.131	3650.1
10	-63.881	81.962	3657.0
11	-63.525	82.000	3360.0
12	-63.259	82.011	2945.3
13	-63.003	82.010	2703.0
14	-62.500	82.000	1933.0
15	-62.000	82.000	2253.0
16	-61.500	82.000	2163.0
17	-61.000	82.000	1853.0
18	-60.500	82.000	1767.0
19	-60.000	82.000	981.0
20	-59.500	82.000	1709.0
21	-59.000	82.000	1287.0
22	-58.610	82.010	1546.8
23	-58.239	82.001	1790.6
24	-57.916	82.228	1966.4
25	-57.612	82.381	3021.8
26	-57.513	82.523	4446.1
27	-57.321	82.779	4224.9
28	-56.897	83.305	4526.9
29	-56.484	83.770	4737.5
30	-56.058	84.261	4762.9
31	-55.623	84.747	4767.9
32	-55.195	85.189	4663.3

33	-54.786	85.664	4659.7
34	-54.367	86.142	4740.3
35	-53.943	86.561	4813.0
36	-53.527	87.023	4615.6
37	-53.117	87.495	4570.1
38	-52.686	87.887	4469.4
39	-52.252	88.303	4313.3
40	-51.821	88.781	4222.9
41	-51.431	89.204	3816.5
42	-50.986	89.607	4109.8
43	-50.571	90.031	4028.0
44	-50.125	90.425	4023.3
45	-49.698	90.816	3837.5
46	-49.282	91.220	3681.8
47	-48.856	91.617	3819.4
48	-48.426	91.997	3449.2
49	-47.996	92.352	3436.5
50	-47.563	92.731	3634.6
51	-47.142	93.136	3305.0
52	-46.722	93.541	3707.1
53	-46.279	93.883	3217.4
54	-45.854	94.282	3108.1
55	-45.437	94.637	3141.5
56	-44.992	94.998	2892.3
901	-45.233	96.750	3298.0
902	-45.465	96.417	3685.0
903	-45.722	96.083	3430.0
904	-46.053	95.602	3319.0
57	-44.489	95.027	3191.6
58	-44.006	95.012	3018.7
59	-43.506	95.005	3186.0
60	-43.011	95.006	3269.2
61	-42.512	95.010	3398.2
62	-42.008	95.007	3274.4
63	-41.507	94.990	3391.7
64	-41.010	94.987	3461.2
65	-40.497	95.004	3499.4
66	-39.997	94.995	3636.2
67	-39.507	95.002	3740.7
68	-38.991	94.992	3643.4
69	-38.490	95.004	3851.3
70	-37.999	95.004	4100.8
71	-37.494	94.988	4259.6

72	-37.002	95.005	4136.3
73	-36.498	95.003	4233.7
74	-36.018	95.009	4323.4
75	-35.498	94.991	4051.1
76	-35.001	95.002	4412.3
77	-34.504	95.005	4537.0
78	-33.996	94.999	4509.0
79	-33.508	95.001	4360.4
80	-33.019	94.974	4168.8
81	-32.508	95.003	4302.3
82	-32.009	95.013	4184.7
83	-31.702	95.000	3019.0
84	-31.300	95.002	1478.5
85	-30.699	95.004	1604.8
86	-30.116	95.000	2049.9
87	-29.515	95.006	2635.4
88	-28.911	95.002	2596.3
89	-28.318	95.009	3068.8
0	-32.155	115.765	0

NOTES:

Station #s = 0 are ports

Stations #s < 0 are non-stopping waypoints where no casts will occur

Station #s > 900 are Supplementary Stations to measure direct pathway of AABW across SEIR. Some or all these will only occur if time permits

Station #s > 9000 are Test Stations

2016 I09N Planned Station Positions

<u>Station#</u>	<u>Latitude (N)</u>	<u>Longitude (E)</u>	<u>Cast Depth (m)</u>
Fremantle	-32.01	115.74	0
Test_cast	-28.85	98	3000
89	-28.3133	95.0145	3088
90	-27.7118	94.9998	4330
91	-27.1077	95.0017	4667
92	-26.5177	94.996	4798
93	-25.9045	95.0028	5221

94	-25.3352	95.0002	5240
95	-24.7325	95.014	5169
96	-24.137	95.0073	5433
97	-23.5593	95.0058	5172
98	-23.0157	94.9975	5099
99	-22.4537	94.988	5146
100	-21.8803	95.009	5155
101	-21.3165	95.0013	5180
102	-20.7633	94.9995	5245
103	-20.2002	94.9997	5259
104	-19.6335	95.0017	5104
105	-19.0835	95.0018	5353
106	-18.5188	94.9983	5544
107	-17.9632	95.0027	5937
108	-17.4	94.9983	6046
109	-16.838	94.9927	6144
110	-16.2775	95.007	6038
111	-15.7172	95.0017	4981
112	-15.1685	94.9968	4710
113	-14.633	95	4723
114	-14.084	94.9925	5402
115	-13.5672	94.9995	5352
116	-13.0168	94.9988	4090
117	-12.4842	95.007	4525
118	-11.9477	95	4147
119	-11.4208	94.999	5287
120	-10.8848	94.9992	5374
121	-10.3478	95.0038	5271
122	-9.8168	95.0008	5199
123	-9.2842	94.9998	5225
124	-8.7302	95.0068	5380
125	-8.2182	95.0003	5004
126	-7.674	95.0048	5016
127	-7.1355	95.0023	5179
128	-6.5992	95.0102	5137
129	-6.0683	95.0017	5118
130	-5.5305	95.0123	5061
131	-4.976	95.0018	5008
132	-4.534	94.8687	4939
133	-4.0693	94.7157	4892
134	-3.6158	94.569	4840
135	-3.1298	94.4252	4791
136	-2.8332	94.3325	4773

137	-2.5083	94.2373	4759
138	-2.2017	94.132	4724
139	-1.885	94.0238	4706
140	-1.5647	93.9322	4669
141	-1.2507	93.8292	4636
142	-0.9342	93.7333	4622
143	-0.6303	93.648	4583
144	-0.3168	93.5518	4547
145	0.0005	93.4413	4495
146	0.3168	93.3007	4466
147	0.548	93.0245	4434
148	0.818	92.7345	4412
149	1.0987	92.5042	4385
150	1.45	92.2993	4352
151	1.7988	92.161	4288
152	2.201	92.0205	4272
153	2.5998	91.8897	4202
154	3.0003	91.7597	4156
155	3.4308	91.5398	4116
156	3.9008	91.3272	3875
157	4.2863	91.046	2686
158	4.6543	90.7628	3225
159	5.0245	90.4733	3277
160	5.3938	90.1935	2873
161	5.763	89.9093	2757
162	6.1198	89.6287	3109
163	6.5027	89.3397	3592
164	6.8727	89.055	3736
165	7.2407	88.7715	3720
166	7.6107	88.486	3681
167	7.9832	88.2028	3652
168	8.3498	87.9195	3611
169	8.7203	87.6325	3580
170	9.0878	87.3512	3580
171	9.4587	87.0695	3554
172	9.9663	87.8522	3433
173	9.9672	87.3002	3475
174	9.828	86.7822	3508
175	9.969	86.1998	3500
176	9.9532	85.6573	3535
177	8.8485	85.6995	3655
178	7.7472	85.7468	3765
179	8.2663	86.0062	3696

180	8.7868	86.2663	3644
181	9.307	86.5242	3603
182	9.827	86.7823	3516
183	10.2993	87.0623	3455
184	10.7722	87.344	3374
185	11.243	87.6232	3334
186	11.7147	87.9035	3266
187	12.1875	88.1815	3205
188	12.6583	88.4648	3104
189	13.13	88.7442	3013
190	13.602	89.0253	2922
191	14.0742	89.3057	2857
192	14.5455	89.586	2780
193	14.9998	89.8498	2701
194	15.5002	89.8498	2635
195	15.999	89.8495	2547
196	16.4998	89.8495	2467
197	17.0002	89.8507	2358
198	17.5015	89.8488	2278
199	18.0032	89.8512	2172
Phuket	7.874	98.415	0