

Sample #	Sampling Date	Lat. (°N)	Long. (°E)	Temp. (°C)	Salinity	Density (σ_t)	$\Delta^{14}\text{C}$ (‰)
<i>PX91 Cruise, the U. S. west coast route</i>							
PX91E-001	12-May-04	34.502	140.966	22.664	34.744	23.837	79.0
PX91E-003	13-May-04	35.786	149.497	21.194	34.671	24.192	74.1
PX91E-004	14-May-04	36.502	153.938	17.778	34.690	25.090	42.0
PX91E-005	14-May-04	37.016	158.481	16.395	34.587	25.340	69.7
PX91E-006	15-May-04	37.726	162.764	15.802	34.563	25.457	66.4
PX91E-007	15-May-04	37.879	166.788	15.665	34.523	25.457	72.1
PX91E-008	16-May-04	38.192	171.008	15.532	34.520	25.485	63.1
PX91E-009	16-May-04	39.267	175.114	13.529	34.344	25.778	63.4
PX91E-010	17-May-04	40.340	179.394	12.209	34.028	25.795	39.9
PX91E-011	17-May-04	42.038	183.484	9.461	33.718	26.041	33.3
PX91E-012	18-May-04	42.858	187.949	8.572	33.390	25.924	18.0
PX91E-013	18-May-04	43.623	192.138	8.421	33.246	25.835	24.9
PX91E-014	19-May-04	44.512	196.510	8.125	33.076	25.745	9.3
PX91E-015	19-May-04	45.459	199.893	7.608	32.904	25.684	8.3
PX91E-016	20-May-04	46.166	203.697	7.668	32.901	25.673	14.5
PX91E-017	20-May-04	46.936	207.456	7.430	32.732	25.574	1.2
PX91E-018	21-May-04	47.229	211.929	8.411	32.698	25.406	12.9
PX91E-019	21-May-04	47.242	216.647	8.789	32.603	25.275	15.5
PX91E-020	22-May-04	47.279	221.684	10.360	32.485	24.928	21.9
PX91E-021	22-May-04	47.031	226.332	11.050	32.596	24.896	30.5
PX91E-022	23-May-04	46.608	231.262	12.404	32.361	24.465	34.9
PX91W-001	28-May-04	31.917	238.412	16.201	33.042	24.198	37.3
PX91W-002	29-May-04	31.696	234.326	18.422	32.881	23.547	39.0
PX91W-003	29-May-04	31.592	229.701	19.247	33.472	23.792	56.7
PX91W-004	30-May-04	31.561	225.484	20.253	33.929	23.880	42.2
PX91W-006	31-May-04	32.056	216.438	20.861	34.369	24.053	74.3
PX91W-007	31-May-04	32.300	211.899	20.353	34.629	24.387	73.1
PX91W-009	01-Jun-04	32.318	202.820	19.279	34.690	24.714	70.4
PX91W-010	02-Jun-04	32.211	198.603	19.440	34.922	24.849	71.0
PX91W-011	02-Jun-04	31.958	194.326	19.094	34.750	24.807	74.2
PX91W-012	03-Jun-04	31.562	190.472	18.995	34.663	24.766	70.9
PX91W-013	04-Jun-04	32.117	182.111	19.817	34.733	24.607	66.0
PX91W-014	04-Jun-04	32.513	177.706	20.538	34.956	24.586	77.6
PX91W-015	05-Jun-04	33.160	173.760	19.347	34.818	24.794	80.3
PX91W-016	05-Jun-04	33.010	168.960	21.136	34.943	24.415	89.5
PX91W-019	07-Jun-04	33.055	155.106	23.110	34.674	23.657	97.5
PX91W-020	07-Jun-04	32.983	150.501	22.774	34.801	23.849	92.3
PX91W-021	08-Jun-04	33.113	146.233	23.625	34.836	23.629	87.3
PX91W-023	09-Jun-04	32.811	137.931	23.460	34.584	23.486	80.6

Sample #	Sampling Date	Lat. (°N)	Long. (°E)	Temp. (°C)	Salinity	Density (σ_t)	$\Delta^{14}\text{C}$ (‰)
<i>PX100 Cruise, the U.S. east coast route</i>							
PX100E-002	22-Jun-05	35.520	146.047	22.903	34.412	23.517	72.6
PX100E-003	22-Jun-05	36.482	150.393	21.874	34.553	23.915	49.6
PX100E-004	23-Jun-05	37.149	154.423	19.824	34.312	24.284	63.6
PX100E-005	23-Jun-05	37.983	158.866	17.367	34.505	25.048	70.4
PX100E-006	24-Jun-05	37.975	163.289	18.123	34.556	24.903	44.7
PX100E-007	24-Jun-05	38.036	167.582	16.391	34.598	25.349	20.1
PX100E-008	25-Jun-05	38.026	171.976	14.615	34.441	25.625	32.7
PX100E-009	25-Jun-05	37.998	176.165	14.141	34.402	25.696	66.4
PX100E-010	26-Jun-05	37.827	180.575	15.108	34.408	25.493	60.9
PX100E-011	26-Jun-05	37.604	185.007	14.769	34.061	25.299	44.9
PX100E-012	27-Jun-05	37.526	189.334	16.614	33.984	24.826	56.9
PX100E-014	28-Jun-05	37.875	197.869	18.475	34.047	24.426	42.1
PX100E-015	28-Jun-05	38.051	202.461	20.867	34.027	23.790	41.8
PX100E-016	29-Jun-05	38.133	207.021	20.201	33.713	23.729	69.6
PX100E-017	29-Jun-05	37.766	211.177	19.634	33.779	23.927	36.0
PX100E-019	30-Jun-05	35.393	219.354	17.612	33.449	24.180	43.9
PX100E-020	01-Jul-05	34.145	223.250	19.008	33.752	24.067	41.0
PX100E-021	01-Jul-05	32.825	226.676	19.476	33.907	24.065	39.5
PX100E-022	02-Jul-05	30.893	230.036	19.936	33.817	23.877	50.8
PX100E-023	02-Jul-05	29.291	233.303	20.137	33.609	23.666	32.6
PX100E-024	03-Jul-05	27.536	236.834	19.957	33.707	23.788	35.8
PX100E-025	03-Jul-05	25.838	240.319	20.162	33.735	23.756	31.8
PX100W-001	01-Aug-05	23.463	241.579	22.618	34.040	23.316	28.3
PX100W-002	02-Aug-05	24.889	238.091	21.423	33.802	23.469	41.7
PX100W-003	02-Aug-05	26.372	234.453	21.267	34.041	23.693	41.2
PX100W-004	03-Aug-05	26.983	230.574	21.663	34.611	24.017	46.0
PX100W-005	03-Aug-05	27.307	226.136	21.930	34.895	24.159	44.4
PX100W-008	05-Aug-05	28.161	214.088	24.564	35.414	23.788	43.6
PX100W-009	05-Aug-05	28.508	209.623	24.991	35.429	23.670	54.1
PX100W-010	06-Aug-05	28.789	205.500	25.832	35.498	23.463	45.8
PX100W-011	06-Aug-05	29.097	201.292	26.349	35.467	23.278	63.0
PX100W-012	07-Aug-05	29.372	197.167	26.497	35.180	23.015	55.1
PX100W-013	07-Aug-05	29.725	192.576	26.444	34.665	22.644	64.2
PX100W-014	08-Aug-05	29.971	188.469	26.459	34.774	22.721	53.8
PX100W-015	08-Aug-05	30.312	184.317	26.492	34.755	22.696	63.8
PX100W-016	09-Aug-05	30.539	180.335	26.726	34.787	22.646	72.4
PX100W-017	09-Aug-05	30.885	175.761	27.151	35.124	22.765	45.0
PX100W-018	10-Aug-05	31.221	171.578	27.597	34.682	22.289	33.4
PX100W-019	10-Aug-05	31.468	166.995	27.656	35.263	22.706	46.5
PX100W-020	11-Aug-05	31.803	162.870	27.230	34.314	22.130	33.6
PX100W-021	11-Aug-05	32.098	158.663	27.474	34.819	22.431	65.2
PX100W-022	12-Aug-05	32.303	154.893	26.905	34.330	22.245	64.6
PX100W-023	12-Aug-05	32.621	150.487	27.386	34.243	22.026	64.0
PX100W-025	13-Aug-05	33.119	144.600	28.326	34.298	21.762	23.9

Sample #	Sampling Date	Lat. (°N)	Long. (°E)	Temp. (°C)	Salinity	Density (σ_t)	$\Delta^{14}\text{C}$ (‰)
<i>PX106 Cruise, the U. S. east coast route</i>							
PX106E-001	18-May-06	34.513	140.119	19.054	34.467	24.601	79.8
PX106E-002	19-May-06	35.653	144.114	17.378	34.554	25.083	65.5
PX106E-003	19-May-06	36.881	148.094	17.593	34.552	25.030	70.9
PX106E-004	20-May-06	37.363	152.312	16.036	34.452	25.319	63.5
PX106E-005	20-May-06	37.551	156.651	13.976	34.433	25.754	67.9
PX106E-006	21-May-06	37.901	160.589	15.618	34.553	25.491	73.5
PX106E-007	21-May-06	38.165	164.268	13.380	34.281	25.760	44.4
PX106E-008	22-May-06	38.771	168.624	14.953	34.504	25.601	75.9
PX106E-009	22-May-06	39.423	173.322	13.465	34.235	25.707	61.3
PX106E-010	23-May-06	40.009	177.913	15.492	34.415	25.413	80.6
PX106E-011	23-May-06	39.991	182.445	13.754	33.940	25.420	62.5
PX106E-012	24-May-06	39.981	187.089	14.874	33.928	25.174	64.4
PX106E-013	24-May-06	39.991	191.846	15.034	34.124	25.290	63.7
PX106E-014	25-May-06	40.004	196.421	14.377	34.000	25.336	56.7
PX106E-016	26-May-06	40.002	205.182	11.795	33.355	25.351	46.3
PX106E-017	26-May-06	40.005	209.797	12.607	33.475	25.289	54.6
PX106E-018	27-May-06	38.401	213.729	14.223	33.669	25.113	56.8
PX106E-019	27-May-06	36.728	217.459	14.366	33.583	25.016	42.6
PX106E-020	28-May-06	34.944	221.403	15.262	33.479	24.743	49.0
PX106E-021	28-May-06	33.129	225.401	16.692	33.781	24.652	63.8
PX106E-022	29-May-06	31.340	229.167	17.960	34.061	24.564	58.6
PX106E-023	29-May-06	29.744	232.549	18.388	33.985	24.400	51.1
PX106E-024	30-May-06	27.997	236.152	17.841	33.429	24.109	38.3
PX106W-001	28-Jun-06	24.361	242.207	20.749	33.804	23.653	48.6
PX106W-002	29-Jun-06	25.599	238.471	20.727	33.918	23.745	38.8
PX106W-003	29-Jun-06	26.652	234.675	20.202	33.876	23.853	52.9
PX106W-004	30-Jun-06	27.751	230.839	20.592	34.273	24.051	50.5
PX106W-005	30-Jun-06	28.723	226.509	21.347	34.938	24.353	73.1
PX106W-006	01-Jul-06	29.554	222.387	21.141	34.846	24.340	74.7
PX106W-007	01-Jul-06	30.176	218.236	21.214	35.142	24.545	67.7
PX106W-008	02-Jul-06	30.654	214.132	22.366	35.314	24.355	71.1
PX106W-009	02-Jul-06	31.176	209.633	22.083	35.260	24.394	74.0
PX106W-010	03-Jul-06	31.374	205.360	22.454	35.012	24.100	72.6
PX106W-011	03-Jul-06	31.542	201.115	23.313	34.827	23.713	75.5
PX106W-013	04-Jul-06	31.873	193.111	24.183	35.227	23.761	71.5
PX106W-014	05-Jul-06	32.104	188.369	24.442	34.693	23.279	71.8
PX106W-016	06-Jul-06	32.438	180.384	23.686	34.848	23.621	73.1
PX106W-017	06-Jul-06	32.651	176.008	22.730	34.645	23.743	73.3
PX106W-018	07-Jul-06	32.836	172.156	23.609	34.644	23.489	68.1
PX106W-019	07-Jul-06	33.009	168.252	22.553	34.369	23.584	71.3
PX106W-020	08-Jul-06	33.112	164.878	24.585	34.807	23.322	76.7
PX106W-021	08-Jul-06	33.288	161.066	22.939	34.410	23.505	76.3
PX106W-022	09-Jul-06	33.500	157.509	24.363	34.595	23.229	75.3
PX106W-023	09-Jul-06	33.633	153.141	24.674	34.279	22.896	71.5
PX106W-024	10-Jul-06	33.804	148.929	24.479	34.279	22.955	75.2

Sample #	Sampling Date	Lat. (°N)	Long. (°E)	Temp. (°C)	Salinity	Density (σ_t)	$\Delta^{14}\text{C}$ (‰)
<i>PX113 Cruise, the U. S. east coast route</i>							
PX113E-001	11-May-07	34.132	143.204	20.167	34.771	24.544	64.9
PX113E-002	12-May-07	34.665	147.294	18.996	34.786	24.860	73.2
PX113E-003	12-May-07	35.147	151.279	18.398	34.708	24.951	68.0
PX113E-004	13-May-07	35.579	155.761	15.918	34.362	25.277	52.0
PX113E-005	13-May-07	36.003	160.194	16.156	34.452	25.291	56.7
PX113E-007	14-May-07	36.006	168.411	15.846	34.571	25.454	65.8
PX113E-008	15-May-07	35.985	172.707	15.456	34.524	25.505	47.2
PX113E-009	15-May-07	36.015	176.920	16.060	34.484	25.337	56.8
PX113E-010	16-May-07	35.948	181.140	16.102	34.465	25.314	53.4
PX113E-011	16-May-07	35.750	185.220	15.127	34.440	25.513	53.2
PX113E-012	17-May-07	35.301	194.110	16.570	34.570	25.286	53.6
PX113E-013	18-May-07	35.076	198.517	16.293	34.466	25.270	49.5
PX113E-014	18-May-07	34.739	202.651	17.005	34.471	25.108	52.3
PX113E-015	19-May-07	34.300	207.027	17.399	34.354	24.924	46.1
PX113E-016	19-May-07	33.854	211.512	17.249	33.820	24.550	52.8
PX113E-017	20-May-07	33.440	215.745	19.726	34.711	24.615	68.0
PX113E-018	20-May-07	33.020	219.703	18.775	34.236	24.495	60.2
PX113E-019	21-May-07	32.001	223.856	19.908	34.629	24.504	59.7
PX113W-001	19-Jun-07	21.058	233.361	21.517	34.541	24.005	49.4
PX113W-002	20-Jun-07	22.068	229.485	20.583	34.604	24.306	58.3
PX113W-003	20-Jun-07	22.702	225.154	21.365	34.866	24.293	56.5
PX113W-004	21-Jun-07	23.270	221.191	22.507	34.781	23.910	58.8
PX113W-005	21-Jun-07	23.863	217.068	23.018	34.993	23.925	60.6
PX113W-006	22-Jun-07	24.421	213.160	23.756	35.113	23.801	62.4
PX113W-007	22-Jun-07	25.022	209.050	24.765	35.148	23.526	61.5
PX113W-008	23-Jun-07	25.522	205.226	24.960	35.340	23.612	69.5
PX113W-009	23-Jun-07	26.106	201.168	25.698	35.329	23.378	67.5
PX113W-010	24-Jun-07	26.764	197.140	25.651	35.349	23.407	70.7
PX113W-011	24-Jun-07	27.484	192.624	25.404	35.250	23.408	72.8
PX113W-012	25-Jun-07	28.161	188.512	25.389	35.284	23.439	67.8
PX113W-013	25-Jun-07	28.813	184.316	25.190	35.070	23.338	72.6
PX113W-014	26-Jun-07	29.482	180.110	24.319	34.740	23.351	71.3
PX113W-015	26-Jun-07	29.902	175.349	23.884	34.494	23.294	78.2
PX113W-016	27-Jun-07	30.247	171.277	24.655	34.857	23.339	55.8
PX113W-017	27-Jun-07	30.646	166.652	24.296	34.322	23.042	73.0
PX113W-018	28-Jun-07	30.970	162.477	23.702	34.711	23.512	77.5
PX113W-019	28-Jun-07	31.337	158.156	24.162	34.560	23.262	77.5
PX113W-020	29-Jun-07	31.656	154.001	24.015	34.653	23.376	71.0

Sample #	Sampling Date	Lat. (°N)	Long. (°E)	Temp. (°C)	Salinity	Density (σ_t)	$\Delta^{14}\text{C}$ (‰)
<i>PX120 Cruise, the U. S. east coast route</i>							
PX120E-001	24-Jun-08	34.858	141.282	22.517	34.345	23.577	72.3
PX120E-002	25-Jun-08	35.874	145.305	20.592	34.361	24.119	70.0
PX120E-003	25-Jun-08	37.016	149.025	21.526	34.159	23.712	68.1
PX120E-004	26-Jun-08	38.129	153.281	19.295	34.377	24.471	57.6
PX120E-005	26-Jun-08	39.309	157.669	18.085	34.285	24.705	66.2
PX120E-006	27-Jun-08	39.938	162.089	14.435	33.786	25.159	37.1
PX120E-007	27-Jun-08	39.976	166.410	16.614	34.154	24.957	66.4
PX120E-008	28-Jun-08	39.996	170.636	15.134	33.989	25.165	50.7
PX120E-009	28-Jun-08	40.007	184.950	15.634	34.138	25.168	51.4
PX120E-011	29-Jun-08	40.018	184.533	16.490	34.207	25.027	59.7
PX120E-012	30-Jun-08	39.979	189.106	14.352	33.954	25.306	46.1
PX120E-013	30-Jun-08	39.987	193.659	15.328	34.077	25.189	67.0
PX120E-014	01-Jul-08	39.996	197.116	14.599	33.735	25.084	37.9
PX120E-015	01-Jul-08	39.657	201.431	16.735	33.760	24.626	42.7
PX120E-016	02-Jul-08	38.567	205.871	18.927	33.941	24.232	59.0
PX120E-017	02-Jul-08	37.464	210.226	18.759	33.851	24.205	58.8
PX120E-018	03-Jul-08	36.432	214.404	20.515	34.353	24.134	62.1
PX120E-019	03-Jul-08	35.448	218.246	20.119	33.933	23.918	65.4
PX120E-020	04-Jul-08	34.173	222.209	20.229	33.903	23.867	56.8
PX120E-021	04-Jul-08	32.792	225.633	19.597	33.767	23.928	47.7
PX120E-022	05-Jul-08	31.596	228.596	19.599	33.549	23.761	54.8
PX120E-023	05-Jul-08	30.115	232.294	20.188	33.340	23.449	37.8
PX120E-024	06-Jul-08	28.612	235.775	18.665	33.294	23.803	47.0
PX120E-025	06-Jul-08	27.042	238.907	19.433	33.542	23.799	42.9
PX120W-001	03-Aug-08	23.676	241.993	23.230	33.878	23.019	45.1
PX120W-002	04-Aug-08	25.255	238.497	21.430	33.752	23.429	45.9
PX120W-003	04-Aug-08	26.779	234.987	20.607	33.745	23.646	46.8
PX120W-004	05-Aug-08	28.314	231.668	19.892	33.775	23.857	41.3
PX120W-005	05-Aug-08	29.051	227.310	20.910	34.021	23.775	51.6
PX120W-006	06-Aug-08	29.139	223.095	22.008	34.677	23.972	49.2
PX120W-007	06-Aug-08	29.235	218.640	22.714	34.613	23.724	62.8
PX120W-008	07-Aug-08	29.309	214.347	24.047	35.508	24.014	67.4
PX120W-009	07-Aug-08	29.425	209.594	24.709	35.452	23.774	70.2
PX120W-010	08-Aug-08	29.490	205.908	25.284	35.558	23.679	75.5
PX120W-011	08-Aug-08	29.545	201.625	25.345	35.437	23.569	72.2
PX120W-012	09-Aug-08	29.690	197.390	25.825	35.469	23.444	74.1
PX120W-013	09-Aug-08	29.763	192.756	25.917	34.910	22.994	79.1
PX120W-014	10-Aug-08	29.822	188.792	26.488	35.371	23.163	71.1
PX120W-015	10-Aug-08	29.918	184.526	26.448	35.114	22.982	68.9
PX120W-016	11-Aug-08	30.011	180.397	26.976	34.996	22.725	86.9
PX120W-017	11-Aug-08	30.510	175.809	26.715	35.006	22.816	72.6
PX120W-018	12-Aug-08	30.626	174.259	27.452	35.143	22.683	76.7
PX120W-019	12-Aug-08	31.094	169.778	27.738	34.627	22.202	90.0
PX120W-020	13-Aug-08	31.573	165.565	27.404	34.397	22.137	74.7
PX120W-021	13-Aug-08	32.022	160.976	26.110	34.285	22.462	71.3
PX120W-022	14-Aug-08	32.430	157.103	26.625	34.080	22.146	74.9
PX120W-023	14-Aug-08	32.861	153.078	26.875	34.263	22.206	78.2
PX120W-024	15-Aug-08	33.322	149.085	27.608	34.224	21.941	64.7
PX120W-025	15-Aug-08	33.712	144.970	29.375	34.076	21.249	64.1

Sample #	Sampling Date	Lat. (°N)	Long. (°E)	Temp. (°C)	Salinity	Density (σ_t)	$\Delta^{14}\text{C}$ (‰)
<i>PX127 Cruise, the U. S. west coast route</i>							
PX127E-001	13-Jul-09	35.276	140.931	22.604	34.212	23.452	53.4
PX127E-002	14-Jul-09	37.447	144.671	21.213	34.061	23.723	45.2
PX127E-003	14-Jul-09	39.441	148.110	18.239	34.219	24.617	35.6
PX127E-005	15-Jul-09	43.140	155.773	12.112	33.277	25.231	-22.7
PX127E-004	15-Jul-09	41.429	152.017	14.919	33.490	24.827	3.0
PX127E-006	16-Jul-09	45.000	160.006	10.496	33.045	25.342	-41.0
PX127E-007	16-Jul-09	46.276	164.194	9.284	33.168	25.639	-25.9
PX127E-008	17-Jul-09	47.636	168.766	8.312	32.828	25.522	-38.4
PX127E-009	17-Jul-09	48.001	173.448	8.482	32.786	25.465	-37.6
PX127E-010	18-Jul-09	47.999	178.797	9.236	32.856	25.403	-32.1
PX127E-011	18-Jul-09	47.994	183.716	9.280	32.625	25.216	-18.3
PX127E-012	19-Jul-09	47.999	189.099	10.169	32.660	25.098	-16.6
PX127E-013	19-Jul-09	48.002	194.514	11.683	32.761	24.910	-12.7
PX127E-014	20-Jul-09	48.000	199.914	12.168	32.632	24.720	-15.5
PX127E-016	21-Jul-09	47.489	210.227	13.745	32.554	24.351	-2.6
PX127E-017	21-Jul-09	47.242	215.148	14.108	32.561	24.281	-4.0
PX127E-018	22-Jul-09	46.969	220.466	14.011	32.581	24.317	-2.4
PX127E-019	22-Jul-09	46.721	225.389	14.250	32.551	24.244	3.4
PX127E-020	23-Jul-09	46.452	230.600	14.951	32.352	23.943	-1.9
PX127W-001	28-Jul-09	49.706	230.982	15.173	32.082	23.687	1.7
PX127W-003	29-Jul-09	52.226	221.110	14.107	32.384	24.145	-1.7
PX127W-002	29-Jul-09	51.019	226.630	14.282	32.080	23.874	0.9
PX127W-004	30-Jul-09	53.215	215.654	12.184	32.515	24.626	-13.7
PX127W-006	31-Jul-09	54.173	203.753	10.079	32.746	25.180	-15.8
PX127W-007	31-Jul-09	54.194	197.071	8.885	31.649	24.513	-10.0
PX127W-009	01-Aug-09	53.804	184.203	8.348	32.844	25.530	-55.8
PX127W-008	01-Aug-09	54.261	190.909	8.876	32.787	25.406	-43.9
PX127W-011	02-Aug-09	51.615	172.149	9.751	32.673	25.177	-42.4
PX127W-013	03-Aug-09	48.102	162.183	10.947	32.543	24.873	-44.2
PX127W-012	03-Aug-09	50.052	167.208	10.275	32.289	24.791	-29.3
PX127W-015	04-Aug-09	44.820	154.978	12.132	32.433	24.572	-40.4
PX127W-014	04-Aug-09	46.879	159.429	11.495	32.522	24.758	-43.3
PX127W-017	05-Aug-09	40.171	147.643	18.826	32.405	23.084	-23.0
PX127W-016	05-Aug-09	42.519	151.276	16.803	32.025	23.279	-30.0
PX127W-018	06-Aug-09	40.169	147.810	20.308	32.618	22.867	-15.7
PX127W-019	06-Aug-09	40.277	147.992	18.076	32.517	23.354	-23.6
PX127W-020	07-Aug-09	40.411	148.240	20.610	32.707	22.855	-8.2

Sample #	Sampling Date	Lat. (°N)	Long. (°E)	Temp. (°C)	Salinity	Density (σ_t)	$\Delta^{14}\text{C}$ (‰)
<i>PX135 Cruise, the U. S. east coast route</i>							
PX135E-001	30-Apr-10	33.605	141.208	19.303	34.720	24.731	66.8
PX135E-002	01-May-10	34.285	145.457	15.383	34.490	25.495	48.5
PX135E-003	01-May-10	34.976	149.857	19.036	34.754	24.825	63.5
PX135E-004	02-May-10	35.002	154.619	15.411	34.600	25.574	59.8
PX135E-005	02-May-10	35.001	158.709	17.473	34.657	25.139	63.6
PX135E-006	03-May-10	35.001	163.307	18.116	34.744	25.049	63.1
PX135E-007	03-May-10	34.781	167.859	17.395	34.688	25.182	68.1
PX135E-008	04-May-10	34.481	171.496	16.968	34.679	25.277	67.4
PX135E-009	04-May-10	34.653	175.655	17.322	34.695	25.205	63.6
PX135E-010	05-May-10	34.818	180.079	14.758	34.412	25.572	52.8
PX135E-011	05-May-10	34.965	184.093	14.967	34.492	25.589	53.6
PX135E-012	06-May-10	35.000	188.561	14.734	34.435	25.595	53.4
PX135E-013	06-May-10	34.917	193.029	14.204	34.306	25.609	56.6
PX135E-014	07-May-10	34.796	197.462	14.774	34.253	25.447	57.3
PX135E-015	07-May-10	34.555	201.515	16.490	34.413	25.185	61.2
PX135E-016	08-May-10	34.094	205.708	15.950	34.034	25.017	53.0
PX135E-017	08-May-10	33.658	209.601	17.508	34.319	24.871	57.7
PX135E-018	09-May-10	32.870	213.817	18.091	34.469	24.844	60.7
PX135E-019	09-May-10	32.041	218.021	18.896	34.871	24.951	64.1
PX135E-020	10-May-10	31.051	222.103	18.563	34.249	24.559	45.3
PX135E-021	10-May-10	29.997	225.773	18.270	34.016	24.453	39.1
PX135E-022	11-May-10	28.831	229.701	18.001	33.871	24.409	37.6
PX135E-023	11-May-10	27.449	233.505	17.961	33.913	24.451	32.3
PX135E-024	12-May-10	26.045	237.173	17.968	33.751	24.325	24.9
PX135E-025	12-May-10	24.693	240.552	18.616	33.909	24.285	27.7
PX135W-001	12-Jun-10	22.622	236.000	21.084	34.611	24.177	29.9
PX135W-002	13-Jun-10	23.810	232.074	20.085	34.364	24.256	25.1
PX135W-003	13-Jun-10	24.996	228.042	20.116	34.629	24.450	35.3
PX135W-004	14-Jun-10	26.146	223.998	21.047	35.016	24.495	53.8
PX135W-005	14-Jun-10	27.383	219.449	21.324	35.142	24.515	51.8
PX135W-006	15-Jun-10	28.738	215.465	22.249	35.340	24.408	55.9
PX135W-007	15-Jun-10	30.366	211.365	22.425	34.982	24.086	62.6
PX135W-008	16-Jun-10	31.739	207.281	21.479	34.329	23.855	57.6
PX135W-009	16-Jun-10	33.167	202.589	20.675	34.652	24.319	64.3
PX135W-010	17-Jun-10	34.248	198.557	19.996	34.476	24.365	57.1
PX135W-011	17-Jun-10	35.270	193.654	19.269	34.437	24.523	58.1
PX135W-012	18-Jun-10	36.115	189.239	18.141	34.339	24.732	63.1
PX135W-013	18-Jun-10	36.682	184.443	17.421	34.460	25.001	63.8
PX135W-014	19-Jun-10	37.198	180.059	16.355	34.328	25.151	60.0
PX135W-015	19-Jun-10	37.341	175.825	17.739	34.390	24.870	56.3
PX135W-016	20-Jun-10	37.483	171.420	16.842	34.476	25.151	62.8
PX135W-017	20-Jun-10	37.345	167.188	20.055	34.545	24.402	98.1
PX135W-018	21-Jun-10	36.527	162.807	18.795	34.459	24.662	66.9
PX135W-019	21-Jun-10	35.927	158.046	20.957	34.602	24.205	63.0
PX135W-020	22-Jun-10	35.775	154.085	20.406	34.349	24.160	62.4
PX135W-021	22-Jun-10	35.507	149.440	23.081	34.597	23.607	67.1
PX135W-022	23-Jun-10	34.678	145.348	23.117	34.520	23.538	60.0
PX135W-024	24-Jun-10	33.375	137.346	25.143	34.169	22.672	50.7

Sample #	Sampling Date	Lat. (°N)	Long. (°E)	Temp. (°C)	Salinity	Density (σ_t)	$\Delta^{14}\text{C}$ (‰)
<i>PX136 Cruise, the U.S. west coast route</i>							
PX136E-001	07-Jul-10	35.280	141.168	24.920	33.980	22.597	48.2
PX136E-002	08-Jul-10	37.389	144.998	23.763	34.140	23.062	35.2
PX136E-003	08-Jul-10	39.110	148.205	21.001	34.270	23.940	45.0
PX136E-004	09-Jul-10	41.039	152.435	19.604	34.113	24.190	38.1
PX136E-006	10-Jul-10	44.145	160.562	11.903	33.350	25.327	-24.3
PX136E-007	10-Jul-10	45.437	165.309	8.834	33.117	25.670	-24.3
PX136E-008	11-Jul-10	46.674	169.955	7.376	32.886	25.703	-41.3
PX136E-009	11-Jul-10	47.453	174.623	7.272	32.927	25.749	-38.2
PX136E-010	12-Jul-10	48.310	179.863	7.475	32.890	25.692	-38.5
PX136E-011	12-Jul-10	48.827	184.910	7.411	32.832	25.655	-33.0
PX136E-012	13-Jul-10	49.311	190.501	7.881	32.838	25.594	-25.9
PX136E-013	13-Jul-10	49.088	195.731	8.094	32.769	25.509	-18.3
PX136E-014	14-Jul-10	48.781	201.213	8.419	32.693	25.401	-14.6
PX136E-015	14-Jul-10	48.284	206.313	8.939	32.642	25.282	-18.5
PX136E-016	15-Jul-10	47.779	211.584	10.544	32.722	25.082	-10.0
PX136E-017	15-Jul-10	47.359	216.390	11.765	32.771	24.903	-1.3
PX136E-018	16-Jul-10	46.891	221.712	13.648	32.601	24.407	11.0
PX136E-019	16-Jul-10	46.543	226.575	13.465	32.531	24.389	4.1
PX136E-020	17-Jul-10	46.355	231.745	14.516	32.433	24.098	10.3
PX136W-001	22-Jul-10	34.363	236.724	14.034	32.958	24.603	10.4
PX136W-002	23-Jul-10	35.042	232.442	16.007	32.715	23.990	18.1
PX136W-003	23-Jul-10	35.750	227.948	17.145	33.212	24.110	23.1
PX136W-004	24-Jul-10	36.451	223.439	18.758	33.814	24.177	39.8
PX136W-005	24-Jul-10	37.241	218.323	18.990	33.936	24.213	49.6
PX136W-006	25-Jul-10	37.939	213.749	19.507	33.399	23.671	33.3
PX136W-007	25-Jul-10	38.689	208.792	20.759	33.789	23.639	36.1
PX136W-008	26-Jul-10	39.364	204.276	21.913	33.781	23.318	36.1
PX136W-009	26-Jul-10	39.999	199.804	21.578	33.717	23.362	40.5
PX136W-010	27-Jul-10	40.001	195.180	20.084	33.857	23.870	34.3
PX136W-011	27-Jul-10	40.000	190.157	17.480	33.579	24.311	41.1
PX136W-012	28-Jul-10	40.000	185.562	17.610	33.576	24.277	31.8
PX136W-013	28-Jul-10	40.001	180.585	20.388	33.972	23.877	52.9
PX136W-014	30-Jul-10	39.999	166.777	20.802	33.803	23.638	47.7
PX136W-015	30-Jul-10	40.000	161.662	20.638	33.876	23.737	42.1
PX136W-016	31-Jul-10	40.001	156.966	22.188	33.803	23.258	42.8
PX136W-017	31-Jul-10	39.019	152.259	23.732	33.994	22.961	52.5
PX136W-018	01-Aug-10	37.591	148.334	25.646	33.745	22.199	44.1
PX136W-019	01-Aug-10	35.973	143.994	24.631	33.642	22.429	39.0
PX136W-020	02-Aug-10	35.370	142.393	28.524	33.702	21.250	56.8

Sample #	Sampling Date	Lat. (°N)	Long. (°E)	Temp. (°C)	Salinity	Density (σ_t)	$\Delta^{14}\text{C}$ (‰)
<i>PX143 Cruise, the U. S. east coast route</i>							
PX143E-001	02-Jun-11	34.284	141.097	21.735	34.636	24.017	60.5
PX143E-003	03-Jun-11	34.283	149.385	20.858	34.735	24.332	64.1
PX143E-004	04-Jun-11	34.644	150.411	20.283	34.659	24.429	57.9
PX143E-005	04-Jun-11	34.285	153.943	20.505	34.697	24.398	56.7
PX143E-006	05-Jun-11	34.284	158.763	18.513	34.575	24.821	56.9
PX143E-007	05-Jun-11	34.282	162.896	18.890	34.646	24.780	57.0
PX143E-008	06-Jun-11	34.286	167.145	19.711	34.715	24.622	63.4
PX143E-009	06-Jun-11	34.286	171.712	18.616	34.562	24.785	59.8
PX143E-010	07-Jun-11	34.284	176.289	18.537	34.535	24.784	59.8
PX143E-011	07-Jun-11	34.290	180.348	18.358	34.468	24.778	62.2
PX143E-012	08-Jun-11	33.347	184.673	20.550	34.543	24.269	59.4
PX143E-013	08-Jun-11	32.401	188.970	20.629	34.657	24.335	39.9
PX143E-014	09-Jun-11	31.495	193.058	22.660	34.701	23.806	56.4
PX143E-015	09-Jun-11	30.655	196.804	23.132	34.810	23.754	54.7
PX143E-016	10-Jun-11	29.736	200.874	24.011	35.196	23.789	56.1
PX143E-017	10-Jun-11	28.826	204.855	23.605	35.476	24.121	51.8
PX143E-018	11-Jun-11	27.945	208.680	23.433	35.587	24.255	50.7
PX143E-019	11-Jun-11	27.141	212.146	22.304	35.567	24.565	59.6
PX143E-020	12-Jun-11	26.248	215.962	21.720	35.347	24.562	52.2
PX143E-021	12-Jun-11	25.424	219.459	21.220	35.197	24.586	50.5
PX143E-022	13-Jun-11	24.548	223.146	20.775	34.900	24.480	46.3
PX143E-023	13-Jun-11	23.660	226.866	20.378	34.759	24.480	36.5
PX143E-025	14-Jun-11	21.958	233.910	20.251	34.433	24.265	33.3
PX143W-001	15-Jul-11	23.386	228.340	21.086	34.686	24.234	38.1
PX143W-002	15-Jul-11	24.218	224.288	21.371	34.888	24.309	43.9
PX143W-003	16-Jul-11	25.027	220.289	21.887	35.155	24.369	46.7
PX143W-004	16-Jul-11	25.906	215.890	22.794	35.333	24.247	43.9
PX143W-005	17-Jul-11	26.489	211.767	23.861	35.486	24.053	51.1
PX143W-006	17-Jul-11	26.957	207.585	24.706	35.430	23.758	48.8
PX143W-007	18-Jul-11	27.436	203.305	25.118	35.418	23.624	52.4
PX143W-008	18-Jul-11	27.947	198.710	25.956	35.346	23.311	48.1
PX143W-009	19-Jul-11	28.411	194.513	25.888	35.066	23.121	55.2
PX143W-010	19-Jul-11	28.889	190.175	26.495	35.558	23.302	57.3
PX143W-012	20-Jul-11	29.846	181.402	26.518	34.598	22.571	61.5
PX143W-013	21-Jul-11	29.568	177.356	27.137	35.032	22.701	63.5
PX143W-014	21-Jul-11	28.882	173.169	27.200	34.916	22.593	63.5
PX143W-015	22-Jul-11	28.225	169.190	28.413	35.234	22.438	65.6
PX143W-016	22-Jul-11	27.480	164.712	29.251	35.398	22.282	62.9
PX143W-017	23-Jul-11	27.212	160.700	29.020	35.412	22.370	64.3
PX143W-018	23-Jul-11	27.130	156.518	28.607	35.265	22.398	65.6
PX143W-019	24-Jul-11	27.050	152.494	28.931	35.388	22.382	59.0
PX143W-021	25-Jul-11	27.749	148.354	27.647	34.953	22.477	66.0
PX143W-022	25-Jul-11	27.699	148.111	27.714	34.972	22.470	64.6
PX143W-023	26-Jul-11	29.074	146.363	27.555	34.694	22.312	64.1
PX143W-024	26-Jul-11	31.921	143.999	27.458	34.697	22.345	62.1
PX143W-025	27-Jul-11	33.000	140.841	26.504	34.443	22.458	59.6

Sample #	Sampling Date	Lat. (°N)	Long. (°E)	Temp. (°C)	Salinity	Density (σ_t)	$\Delta^{14}\text{C}$ (‰)
<i>PX152 Cruise, the U. S. east coast route</i>							
PX152E-001	14-Jun-12	34.719	140.680	20.361	34.375	24.191	55.3
PX152E-002	15-Jun-12	35.887	144.880	22.278	34.615	23.849	57.1
PX152E-003	15-Jun-12	37.008	148.931	15.980	34.118	25.075	36.6
PX152E-004	16-Jun-12	37.913	153.401	18.305	34.671	24.946	57.3
PX152E-005	16-Jun-12	38.741	157.994	15.904	34.440	25.340	47.0
PX152E-006	17-Jun-12	39.306	162.388	16.105	34.497	25.338	48.5
PX152E-007	17-Jun-12	39.721	167.040	15.068	34.545	25.607	46.4
PX152E-008	18-Jun-12	39.984	171.574	13.313	34.250	25.750	42.2
PX152E-009	18-Jun-12	39.993	175.912	13.563	34.174	25.640	36.8
PX152E-010	19-Jun-12	40.009	180.556	14.965	34.217	25.377	41.2
PX152E-011	19-Jun-12	40.070	184.860	15.400	34.290	25.337	52.1
PX152E-012	20-Jun-12	40.144	189.452	14.839	34.034	25.263	48.5
PX152E-013	20-Jun-12	39.859	194.092	16.031	33.736	24.770	40.2
PX152E-014	21-Jun-12	39.534	198.667	16.740	33.606	24.507	38.3
PX152E-015	21-Jun-12	38.967	202.954	17.101	33.542	24.373	33.7
PX152E-016	22-Jun-12	38.292	207.137	17.655	33.653	24.326	38.4
PX152E-017	22-Jun-12	37.558	211.053	18.833	33.812	24.157	37.0
PX152E-018	23-Jun-12	36.500	215.196	19.091	34.066	24.286	46.0
PX152E-019	23-Jun-12	35.527	218.956	18.868	34.169	24.421	44.8
PX152E-020	24-Jun-12	34.207	222.925	18.904	33.947	24.243	41.9
PX152E-021	24-Jun-12	32.762	226.901	18.394	33.850	24.296	32.0
PX152E-022	25-Jun-12	31.302	230.679	18.317	33.582	24.110	25.6
PX152E-023	25-Jun-12	29.578	234.316	17.776	33.479	24.163	26.4
PX152E-024	26-Jun-12	27.897	237.804	18.516	33.699	24.150	27.6
PX152E-025	26-Jun-12	26.287	240.929	18.583	33.637	24.086	29.1
PX152W-001	24-Jul-12	22.558	244.128	23.803	34.187	23.086	27.6
PX152W-002	25-Jul-12	24.238	240.730	21.367	33.919	23.574	30.1
PX152W-003	25-Jul-12	25.916	236.740	19.995	33.842	23.882	34.0
PX152W-004	26-Jul-12	27.378	233.098	20.096	34.249	24.166	35.6
PX152W-005	26-Jul-12	28.845	229.217	20.296	34.120	24.015	34.6
PX152W-006	27-Jul-12	30.044	225.291	20.563	34.406	24.161	40.5
PX152W-007	27-Jul-12	31.384	220.855	21.032	34.911	24.419	47.7
PX152W-008	28-Jul-12	32.359	216.631	21.680	34.823	24.175	57.3
PX152W-010	29-Jul-12	34.192	208.003	23.201	34.624	23.593	48.7
PX152W-011	29-Jul-12	35.204	203.302	23.656	34.407	23.296	52.6
PX152W-012	30-Jul-12	36.117	198.958	24.602	34.195	22.856	46.7
PX152W-013	30-Jul-12	37.063	194.439	24.749	34.241	22.846	53.4
PX152W-014	31-Jul-12	37.987	189.960	23.883	33.864	22.819	45.4
PX152W-015	31-Jul-12	38.937	185.309	22.714	34.152	23.375	59.4
PX152W-016	01-Aug-12	39.843	180.771	21.244	33.933	23.617	36.8
PX152W-017	01-Aug-12	40.001	175.827	22.302	34.166	23.502	49.2
PX152W-018	02-Aug-12	40.000	171.255	22.742	34.335	23.506	47.4
PX152W-019	02-Aug-12	40.002	166.273	23.032	34.464	23.520	53.2
PX152W-020	03-Aug-12	40.003	162.099	22.004	33.753	23.272	47.8
PX152W-021	03-Aug-12	40.002	157.125	22.459	33.966	23.306	50.8
PX152W-022	04-Aug-12	40.003	152.518	23.066	34.166	23.284	48.7
PX152W-023	04-Aug-12	39.619	148.231	21.431	33.591	23.307	11.9
PX152W-024	05-Aug-12	38.923	145.052	22.767	34.149	23.357	39.0
PX152W-025	05-Aug-12	37.403	141.704	21.875	33.402	23.041	29.4

Sample #	Sampling Date	Lat. (°N)	Long. (°E)	Temp. (°C)	Salinity	Density (σ_t)	$\Delta^{14}\text{C}$ (‰)
<i>NC2-109 Cruise, the U. S. west coast route</i>							
NC2-109E-001	13-May-14	35.220	141.149	20.992	34.761	24.316	51.4
NC2-109E-002	14-May-14	37.039	145.644	19.086	34.689	24.763	51.6
NC2-109E-003	14-May-14	38.649	149.698	15.730	34.627	25.523	46.6
NC2-109E-004	15-May-14	39.972	154.077	10.654	34.038	26.089	19.2
NC2-109E-005	15-May-14	41.173	158.221	9.819	34.066	26.254	63.9
NC2-109E-006	16-May-14	42.191	162.689	6.259	33.189	26.090	-9.9
NC2-109E-007	16-May-14	42.988	166.950	5.619	32.921	25.956	-31.5
NC2-109E-008	17-May-14	43.702	171.616	7.011	33.208	26.007	-16.0
NC2-109E-009	17-May-14	44.179	176.711	7.746	33.413	26.065	-2.7
NC2-109E-011	18-May-14	44.503	186.179	7.902	33.356	25.997	-2.6
NC2-109E-012	19-May-14	44.448	190.846	8.296	33.449	26.013	-0.8
NC2-109E-013	19-May-14	44.101	195.023	8.913	33.540	25.989	12.7
NC2-109E-014	20-May-14	43.716	199.604	9.741	33.642	25.935	16.1
NC2-109E-015	20-May-14	42.958	204.145	11.123	33.524	25.605	25.5
NC2-109E-016	21-May-14	42.107	208.937	12.548	33.372	25.221	29.2
NC2-109E-017	21-May-14	40.973	213.429	14.091	33.347	24.892	31.1
NC2-109E-018	22-May-14	39.761	217.728	15.401	33.177	24.480	26.6
NC2-109E-019	22-May-14	38.436	221.748	16.609	33.133	24.174	22.0
NC2-109E-020	23-May-14	36.807	225.859	17.580	32.971	23.821	15.0
NC2-109W-001	28-May-14	38.318	234.662	14.366	32.773	24.392	9.6
NC2-109W-002	29-May-14	39.466	230.694	15.536	32.804	24.164	12.1
NC2-109W-003	29-May-14	41.112	226.416	14.849	32.841	24.342	21.1
NC2-109W-004	30-May-14	42.677	221.964	13.720	32.768	24.521	11.4
NC2-109W-005	30-May-14	44.090	216.752	13.460	32.756	24.565	10.7
NC2-109W-006	31-May-14	45.097	211.820	12.248	32.660	24.726	10.8
NC2-109W-007	31-May-14	45.871	206.231	10.817	32.998	25.249	5.5
NC2-109W-008	01-Jun-14	46.399	201.275	9.090	32.892	25.454	-20.1
NC2-109W-009	01-Jun-14	46.619	195.758	8.333	33.080	25.718	-17.4
NC2-109W-010	02-Jun-14	46.720	190.879	8.215	33.014	25.683	-31.5
NC2-109W-011	02-Jun-14	46.428	185.496	7.424	32.967	25.760	-18.7
NC2-109W-012	03-Jun-14	46.099	180.708	6.964	32.951	25.810	-14.7
NC2-109W-013	03-Jun-14	45.378	175.806	7.051	33.041	25.869	-21.8
NC2-109W-014	04-Jun-14	44.690	171.564	7.105	32.993	25.824	-19.0
NC2-109W-015	04-Jun-14	43.637	166.945	6.806	33.207	26.033	-10.8
NC2-109W-016	05-Jun-14	42.439	162.423	7.839	33.361	26.011	-13.9
NC2-109W-017	05-Jun-14	40.940	157.748	10.419	33.963	26.071	12.0
NC2-109W-018	06-Jun-14	39.383	153.672	13.167	33.747	25.390	19.9
NC2-109W-019	06-Jun-14	37.778	149.638	19.408	34.675	24.670	52.5
NC2-109W-020	07-Jun-14	36.001	146.008	22.766	34.687	23.766	53.5

Sample #	Sampling Date	Lat. (°N)	Long. (°E)	Temp. (°C)	Salinity	Density (σ_t)	$\Delta^{14}\text{C}$ (‰)
<i>NC2-111 Cruise, the U. S. east coast route</i>							
NC2-111E-001	14-Jul-14	35.053	141.270	25.091	34.416	22.875	48.5
NC2-111E-002	15-Jul-14	36.713	145.535	23.016	34.134	23.274	31.3
NC2-111E-004	16-Jul-14	38.854	154.107	20.869	34.518	24.164	44.7
NC2-111E-005	16-Jul-14	39.300	158.338	20.147	34.574	24.400	42.4
NC2-111E-006	17-Jul-14	39.771	162.794	17.857	34.198	24.694	22.1
NC2-111E-007	17-Jul-14	40.000	166.768	18.264	34.351	24.711	39.7
NC2-111E-008	18-Jul-14	40.001	171.117	17.485	34.335	24.890	19.9
NC2-111E-009	18-Jul-14	40.001	175.302	17.439	34.078	24.703	31.3
NC2-111E-010	19-Jul-14	40.001	179.794	16.556	33.868	24.751	20.0
NC2-111E-011	19-Jul-14	39.999	184.570	18.892	33.925	24.228	34.3
NC2-111E-012	20-Jul-14	39.991	189.169	16.390	33.647	24.619	18.8
NC2-111E-013	20-Jul-14	39.752	193.508	17.936	33.926	24.467	25.2
NC2-111E-014	21-Jul-14	39.438	198.144	20.472	34.249	24.066	32.7
NC2-111E-015	21-Jul-14	38.876	202.788	20.860	34.081	23.834	26.2
NC2-111E-016	22-Jul-14	38.176	207.263	21.868	33.849	23.382	21.1
NC2-111E-017	22-Jul-14	37.403	211.374	21.464	33.785	23.445	33.6
NC2-111E-018	23-Jul-14	36.338	215.594	22.834	34.148	23.338	34.2
NC2-111E-019	23-Jul-14	35.261	219.817	21.868	34.280	23.710	33.5
NC2-111E-020	24-Jul-14	33.890	223.756	21.193	33.661	23.425	19.9
NC2-111E-021	24-Jul-14	32.586	227.393	20.424	33.375	23.413	12.4
NC2-111E-022	25-Jul-14	31.127	231.112	20.519	33.387	23.397	16.9
NC2-111E-023	25-Jul-14	29.408	234.782	20.776	33.482	23.401	17.0
NC2-111E-024	26-Jul-14	27.752	238.259	22.687	34.049	23.304	20.9
NC2-111E-025	26-Jul-14	26.054	241.493	23.463	34.045	23.078	6.5
NC2-111W-001	22-Aug-14	17.666	257.619	30.789	33.885	20.624	16.0
NC2-111W-002	23-Aug-14	19.332	254.661	31.262	34.173	20.675	16.8
NC2-111W-003	23-Aug-14	21.535	251.339	31.072	34.440	20.941	14.0
NC2-111W-004	24-Aug-14	23.346	248.262	30.212	34.892	21.576	14.8
NC2-111W-005	24-Aug-14	25.036	245.066	26.597	33.900	22.019	19.0
NC2-111W-006	25-Aug-14	26.716	241.842	25.435	34.260	22.652	22.7
NC2-111W-007	25-Aug-14	28.649	238.233	22.053	33.776	23.275	19.3
NC2-111W-008	26-Aug-14	30.333	234.750	21.182	33.502	23.307	17.2
NC2-111W-009	26-Aug-14	32.010	231.224	20.752	33.511	23.430	12.9
NC2-111W-010	27-Aug-14	33.523	227.444	21.904	33.507	23.112	17.8
NC2-111W-011	27-Aug-14	35.084	223.135	22.714	33.887	23.174	24.1
NC2-111W-012	28-Aug-14	36.434	219.092	23.396	33.730	22.858	24.7
NC2-111W-013	28-Aug-14	37.516	214.883	23.719	33.735	22.769	28.5
NC2-111W-014	29-Aug-14	38.577	210.697	24.271	33.767	22.630	30.4
NC2-111W-015	29-Aug-14	39.403	205.869	22.224	33.773	23.225	30.9
NC2-111W-016	30-Aug-14	40.079	201.535	22.166	33.934	23.364	30.7
NC2-111W-017	30-Aug-14	40.494	197.392	21.559	33.835	23.457	34.2
NC2-111W-018	31-Aug-14	40.829	192.440	20.491	33.691	23.636	28.2
NC2-111W-019	31-Aug-14	40.995	187.892	19.936	33.456	23.603	19.1
NC2-111W-020	01-Sep-14	41.072	183.541	19.156	33.696	23.987	28.9
NC2-111W-021	01-Sep-14	41.227	178.333	18.858	33.870	24.195	33.6
NC2-111W-022	02-Sep-14	41.156	173.704	20.180	34.076	24.011	33.8
NC2-111W-023	02-Sep-14	41.031	169.321	19.881	34.102	24.110	31.6
NC2-111W-024	03-Sep-14	40.616	165.218	20.656	33.906	23.756	28.8
NC2-111W-025	03-Sep-14	40.127	160.426	20.719	34.055	23.852	38.2

Sample #	Sampling Date	Lat. (°N)	Long. (°E)	Temp. (°C)	Salinity	Density (σ_t)	$\Delta^{14}\text{C}$ (‰)
<i>NC2-128 Cruise, the U. S. east coast route</i>							
NC2-128E-001	25-Jun-16	34.786	141.446	24.793	34.477	23.011	45.3
NC2-128E-002	26-Jun-16	34.794	146.054	24.862	34.566	23.057	58.5
NC2-128E-003	26-Jun-16	34.980	150.619	22.543	34.772	23.893	50.8
NC2-128E-004	27-Jun-16	36.229	154.921	19.580	34.575	24.549	40.8
NC2-128E-005	27-Jun-16	37.391	158.988	18.634	34.466	24.707	33.5
NC2-128E-006	28-Jun-16	38.299	163.291	18.507	34.484	24.752	40.5
NC2-128E-007	28-Jun-16	39.087	167.476	15.132	34.266	25.378	35.3
NC2-128E-008	29-Jun-16	39.748	171.975	15.790	34.112	25.113	24.7
NC2-128E-009	29-Jun-16	40.181	176.462	12.359	33.167	25.098	-9.9
NC2-128E-010	30-Jun-16	40.531	181.217	14.478	33.206	24.702	7.3
NC2-128E-011	30-Jun-16	40.576	186.154	15.579	33.539	24.720	3.1
NC2-128E-012	01-Jul-16	40.533	190.980	16.199	33.230	24.342	-3.4
NC2-128E-013	01-Jul-16	40.185	195.457	17.606	33.302	24.068	-12.7
NC2-128E-014	02-Jul-16	39.783	200.278	17.891	33.243	23.955	-4.0
NC2-128E-015	02-Jul-16	38.984	205.053	18.372	33.577	24.092	11.0
NC2-128E-016	03-Jul-16	38.214	209.595	19.090	33.936	24.186	19.0
NC2-128E-017	03-Jul-16	37.157	213.748	21.085	34.305	23.944	27.8
NC2-128E-018	04-Jul-16	36.086	217.756	20.217	34.039	23.973	9.1
NC2-128E-019	04-Jul-16	34.912	221.552	19.511	33.800	23.975	12.5
NC2-128E-020	05-Jul-16	33.488	225.379	20.020	34.239	24.178	23.5
NC2-128E-021	05-Jul-16	32.021	229.261	19.631	33.938	24.049	7.2
NC2-128E-022	06-Jul-16	30.363	232.849	19.357	33.398	23.708	-2.0
NC2-128E-023	06-Jul-16	28.705	236.228	20.383	33.795	23.743	18.7
NC2-128E-024	07-Jul-16	26.985	239.672	21.522	33.826	23.460	-7.3
NC2-128E-025	07-Jul-16	24.962	243.071	22.202	34.002	23.405	16.8
NC2-128W-001	02-Aug-16	16.437	259.323	29.888	33.634	20.743	47.6
NC2-128W-002	03-Aug-16	17.902	256.220	30.288	34.155	20.997	36.0
NC2-128W-003	03-Aug-16	19.353	252.967	29.498	34.477	21.507	6.9
NC2-128W-004	04-Aug-16	20.856	249.708	29.414	34.835	21.804	31.1
NC2-128W-005	04-Aug-16	22.975	246.412	27.304	34.157	21.988	27.2
NC2-128W-006	05-Aug-16	24.916	243.347	25.223	33.589	22.210	15.3
NC2-128W-007	05-Aug-16	26.888	240.184	22.538	33.334	22.803	13.0
NC2-128W-008	06-Aug-16	28.887	237.024	21.579	33.990	23.569	6.9
NC2-128W-009	06-Aug-16	31.012	233.602	19.165	33.180	23.590	18.7
NC2-128W-010	07-Aug-16	32.953	230.412	19.643	33.627	23.809	13.0
NC2-128W-011	07-Aug-16	34.613	226.710	19.750	33.519	23.699	7.9
NC2-128W-012	08-Aug-16	36.177	222.997	20.395	33.661	23.638	28.0
NC2-128W-013	08-Aug-16	37.837	218.640	20.942	34.236	23.929	27.2
NC2-128W-014	09-Aug-16	39.132	214.395	21.004	33.651	23.467	27.2
NC2-128W-015	09-Aug-16	40.406	210.152	21.167	33.665	23.434	16.5
NC2-128W-016	10-Aug-16	41.303	205.734	22.120	33.356	22.937	-1.9
NC2-128W-017	10-Aug-16	42.252	200.923	21.408	32.873	22.767	-24.4
NC2-128W-018	11-Aug-16	42.798	196.518	20.017	32.725	23.024	-5.9
NC2-128W-019	11-Aug-16	43.272	191.959	17.716	32.574	23.485	-9.3
NC2-128W-020	12-Aug-16	43.514	187.393	17.275	32.639	23.639	-9.3
NC2-128W-021	12-Aug-16	43.587	182.607	15.457	32.714	24.111	-21.8
NC2-128W-022	13-Aug-16	43.500	178.262	15.693	32.831	24.149	-16.0
NC2-128W-023	13-Aug-16	43.155	173.495	17.031	32.818	23.834	-15.9
NC2-128W-024	14-Aug-16	42.737	168.864	17.938	32.959	23.726	-5.6
NC2-128W-025	14-Aug-16	41.987	163.951	18.189	32.937	23.648	-12.6