

**Appendix Table 1. The 2009 regional average temperature and salinity values for individual cruises that sampled within the western Gulf of Maine (boundaries defined in Figure 1.) Average values incorporating less than 10 observations are shown in gray.**

Gulf of Maine West													
Cruise	Surface							Bottom					
	CD	#obs	Temp	Anomaly	SDV1	SDV2	Flag	#obs	Temp	Anomaly	SDV1	SDV2	Flag
DEL0902	42	29	4.64	-0.58	0.19	0.45	0	20	6.26	0.32	0.20	0.58	0
H80901	112	66	5.90	0.47	0.14	0.59	0	63	5.37	0.28	0.12	0.56	0
DEL0905	160	15	11.38	0.24	0.25	0.56	0	30	6.21	0.11	0.22	1.55	1
S10901	172	11	13.00	1.26	0.34	4.98	1	11	5.56	-0.27	0.34	3.90	1
DEL0907	202	6	16.54	-0.44	0.48	1.37	1	6	6.18	0.42	0.37	0.37	1
DEL0908	225	23	15.42	-0.49	0.18	3.41	1	23	13.32	-2.47	0.19	7.27	1
DEL0909	240	11	20.17	2.01	0.32	5.09	1	9	5.82	0.15	0.30	3.60	1
DEL0910	276	64	15.04	0.87	0.14	0.95	1	63	7.18	0.28	0.12	2.37	1
H80905	315	47	10.65	0.45	0.16	0.64	0	45	7.97	0.66	0.14	1.10	0
DEL0911	323	14	10.74	1.09	0.29	6.89	1	10	7.20	0.33	0.30	5.48	1

  

Cruise	Surface						Bottom						
	CD	#obs	Salinity	Anomaly	SDV1	SDV2	Flag	#obs	Salinity	Anomaly	SDV1	SDV2	Flag
DEL0902	42	29	32.92	-0.10	0.13	0.17	0	20	33.68	0.08	0.12	0.25	0
H80901	112	66	32.25	-0.26	0.09	0.55	0	63	33.29	-0.05	0.07	0.23	0
DEL0905	160	15	31.96	-0.16	0.16	0.24	0	30	33.31	-0.11	0.13	0.54	1
S10901	172	11	32.03	-0.12	0.19	1.12	1	11	32.56	-0.24	0.17	0.48	1
DEL0907	202	6	30.21	-1.16	0.31	0.45	1	6	32.12	-0.37	0.27	0.05	1
DEL0908	225	23	32.42	-0.09	0.12	0.52	1	23	32.50	-0.03	0.11	0.40	1
DEL0909	240	11	31.47	-0.55	0.20	1.09	1	9	33.54	-0.13	0.18	1.02	1
DEL0910	276	64	31.96	-0.22	0.09	0.25	1	63	33.44	-0.03	0.07	0.37	1
H80905	315	47	32.54	-0.19	0.10	0.33	0	45	33.41	-0.18	0.08	0.23	0
DEL0911	323	14	32.69	-0.04	0.18	2.22	1	10	33.47	-0.15	0.16	2.44	1

"Cruise", the code name for a cruise:  
 CD, the calendar mid-date of all the stations within a region for that cruise:  
 "#obs", the number of observations included in each average:  
 "Temp", the areal average temperature: "Salt", the areal average salinity:  
 Anomaly, the areal average temperature or salinity anomaly:  
 "SDV1", the standard deviation associated with the average temperature or salinity anomaly:  
 "SDV2", the standard deviation of the individual anomalies from which the average anomaly was derived:  
 Flag, a value of "1" indicates that a true areal average could not be calculated due to poor station coverage.  
 The areal averages listed were derived from a simple average of the observations within the region.

**Appendix Table 2. The 2009 regional average temperature and salinity values for individual cruises that sampled within the eastern Gulf of Maine (boundaries defined in Figure 1.) Average values incorporating less than 10 observations are shown in gray.**

<b>Gulf of Maine East</b>													
Cruise	Surface							Bottom					
	CD	#obs	Temp	Anomaly	SDV1	SDV2	Flag	#obs	Temp	Anomaly	SDV1	SDV2	Flag
DELO902	41	19	4.67	-0.82	0.22	1.05	1	11	6.86	-0.02	0.29	1.34	1
H80901	118	36	5.54	0.00	0.17	0.72	0	33	6.34	-0.53	0.18	0.72	0
DELO905	159	20	9.72	0.84	0.24	0.98	0	14	7.11	0.16	0.27	0.70	0
S10901	173	8	9.96	-0.16	0.35	7.55	1	8	7.38	-2.50	0.34	6.00	1
DELO908	221	64	16.71	2.42	0.12	2.88	1	63	9.19	-3.53	0.11	5.19	1
DELO909	239	6	16.38	1.37	0.44	15.26	1	4	7.51	0.40	0.50	-9.99	1
DELO910	262	42	15.97	0.34	0.16	1.45	1	41	9.36	0.31	0.15	3.19	1
H80905	312	35	11.05	0.01	0.16	1.11	1	33	8.69	0.19	0.17	2.08	1
DELO911	322	9	12.22	1.91	0.34	10.14	1	6	8.03	-0.09	0.39	8.26	1

  

Cruise	Surface							Bottom					
	CD	#obs	Salinity	Anomaly	SDV1	SDV2	Flag	#obs	Salinity	Anomaly	SDV1	SDV2	Flag
DELO902	41	19	32.89	-0.16	0.15	0.43	1	11	34.05	-0.11	0.16	0.58	1
H80901	118	36	32.26	-0.18	0.11	0.27	0	33	33.93	-0.17	0.09	0.31	0
DELO905	159	20	32.16	-0.11	0.18	0.42	0	14	34.05	0.11	0.16	0.22	0
S10901	173	8	32.63	-0.11	0.20	1.68	1	8	32.73	-0.05	0.20	0.74	1
DELO908	221	64	32.00	-0.51	0.07	0.41	1	63	32.59	-0.05	0.07	0.29	1
DELO909	239	6	32.35	0.01	0.28	3.26	1	4	33.87	0.07	0.24	-9.99	1
DELO910	262	42	32.21	-0.19	0.10	0.34	1	41	34.30	0.01	0.08	0.52	1
H80905	312	35	32.37	-0.36	0.12	0.64	1	33	34.26	-0.12	0.09	0.47	1
DELO911	322	9	32.57	0.00	0.22	3.27	1	6	34.50	-0.36	0.21	3.68	1

"Cruise", the code name for a cruise:  
 CD, the calendar mid-date of all the stations within a region for that cruise:  
 "#obs", the number of observations included in each average:  
 "Temp", the areal average temperature: "Salt", the areal average salinity:  
 Anomaly, the areal average temperature or salinity anomaly:  
 "SDV1", the standard deviation associated with the average temperature or salinity anomaly:  
 "SDV2", the standard deviation of the individual anomalies from which the average anomaly was derived:  
 Flag, a value of "1" indicates that a true areal average could not be calculated due to poor station coverage.  
 The areal averages listed were derived from a simple average of the observations within the region.

**Appendix Table 3. The 2009 regional average temperature and salinity values for individual cruises that sampled within the Georges Bank area (boundaries defined in Figure 1.) Average values incorporating less than 10 observations are shown in gray.**

<b>Georges Bank</b>													
Cruise	Surface							Bottom					
	CD	#obs	Temp	Anomaly	SDV1	SDV2	Flag	#obs	Temp	Anomaly	SDV1	SDV2	Flag
DEL0902	37	38	4.89	-0.61	0.18	0.95	0	28	5.58	-0.25	0.20	1.18	0
HB0901	103	60	5.71	0.29	0.14	1.23	0	46	5.63	0.33	0.18	1.15	0
DEL0905	156	33	10.55	0.63	0.20	1.20	0	24	8.32	0.12	0.25	0.88	0
S10901	173	30	12.30	1.09	0.21	2.12	0	29	8.19	-0.17	0.23	1.76	0
DEL0908	221	178	15.47	0.69	0.07	1.20	1	177	12.84	-1.28	0.07	2.44	1
HB0903	224	4	21.82	1.80	0.83	1.49	1	0					
DEL0909	237	45	17.32	1.13	0.16	1.80	0	38	12.10	-0.20	0.18	1.32	0
DEL0910	268	32	15.21	0.02	0.17	0.72	1	32	13.30	-0.34	0.17	2.80	1
HB0905	299	60	13.58	-0.27	0.14	1.86	0	48	12.26	0.03	0.17	1.37	0
DEL0911	317	39	13.84	1.64	0.17	3.18	0	33	13.68	2.07	0.20	2.37	0

  

Cruise	Surface							Bottom					
	CD	#obs	Salinity	Anomaly	SDV1	SDV2	Flag	#obs	Salinity	Anomaly	SDV1	SDV2	Flag
DEL0902	37	38	32.65	-0.30	0.10	0.51	0	28	32.98	-0.11	0.12	0.46	0
HB0901	103	60	32.83	-0.16	0.08	0.46	0	46	33.01	-0.14	0.11	0.34	0
DEL0905	156	33	32.55	-0.30	0.11	0.55	0	24	32.95	-0.11	0.15	0.31	0
S10901	173	30	32.69	-0.01	0.12	0.49	0	29	32.82	-0.21	0.14	0.22	0
DEL0908	221	178	32.23	-0.29	0.04	0.18	1	177	32.42	-0.16	0.04	0.14	1
HB0903	224	4	33.17	-0.55	0.53	0.91	1	0					
DEL0909	237	45	32.35	-0.33	0.10	0.38	0	38	32.70	-0.23	0.11	0.37	0
DEL0910	268	32	32.29	-0.22	0.10	0.19	1	32	32.49	-0.08	0.10	0.30	1
HB0905	299	60	32.80	0.03	0.09	0.68	0	48	32.92	-0.08	0.10	0.33	0
DEL0911	317	39	33.16	0.42	0.10	1.03	0	33	33.76	0.71	0.12	1.05	0

"Cruise", the code name for a cruise:  
 CD, the calendar mid-date of all the stations within a region for that cruise:  
 "#obs", the number of observations included in each average:  
 "Temp", the areal average temperature: "Salt", the areal average salinity:  
 Anomaly, the areal average temperature or salinity anomaly:  
 "SDV1", the standard deviation associated with the average temperature or salinity anomaly:  
 "SDV2", the standard deviation of the individual anomalies from which the average anomaly was derived:  
 Flag, a value of "1" indicates that a true areal average could not be calculated due to poor station coverage.  
 The areal averages listed were derived from a simple average of the observations within the region.

**Appendix Table 4. The 2009 regional average temperature and salinity values for individual cruises that sampled within the northern Middle-Atlantic Bight (boundaries defined in Figure 1.) Average values incorporating less than 10 observations are shown in gray.**

<b>Northern Mid Atlantic Bight</b>													
Cruise	Surface							Bottom					
	CD	#obs	Temp	Anomaly	SDV1	SDV2	Flag	#obs	Temp	Anomaly	SDV1	SDV2	Flag
DEL0902	31	28	5.83	-0.60	0.24	1.00	0	21	7.19	0.30	0.29	1.69	0
H80901	85	56	5.31	0.67	0.17	1.18	0	49	5.15	-0.50	0.22	1.61	0
S10901	148	15	11.84	0.42	0.32	2.18	1	15	6.02	-0.67	0.31	2.82	1
DEL0905	150	31	12.29	0.32	0.23	1.26	0	29	7.36	-0.23	0.25	1.63	0
H80903	228	2	23.90	0.86	1.14	-9.99	1	0					
DEL0909	233	24	23.16	3.00	0.27	2.29	0	22	11.17	1.13	0.31	1.51	0
H80904	237	1	24.75	2.60	1.46	-9.99	1	0					
H80905	276	59	18.23	0.66	0.17	1.05	0	42	13.96	1.23	0.22	2.06	0
DEL0910	286	9	15.41	-0.90	0.43	0.61	1	9	14.16	-0.06	0.43	1.19	1
DEL0911	310	31	13.49	-0.50	0.23	0.74	0	27	13.84	0.79	0.28	1.12	0

  

Cruise	Surface							Bottom					
	CD	#obs	Salinity	Anomaly	SDV1	SDV2	Flag	#obs	Salinity	Anomaly	SDV1	SDV2	Flag
DEL0902	31	27	32.81	-0.34	0.16	0.33	0	21	33.31	-0.27	0.17	0.61	0
H80901	85	56	32.69	-0.23	0.11	0.42	0	49	32.79	-0.70	0.12	0.51	0
S10901	148	15	31.70	-0.37	0.21	0.66	1	15	32.66	-0.27	0.19	1.06	1
DEL0905	150	31	32.21	-0.19	0.15	0.42	0	29	32.83	-0.34	0.15	0.40	0
H80903	228	2	33.47	-0.31	0.75	-9.99	1	0					
DEL0909	233	24	32.18	-0.24	0.17	0.76	0	22	33.24	0.01	0.18	0.52	0
H80904	237	1	33.25	0.18	0.97	-9.99	1	0					
H80905	276	59	32.93	0.19	0.11	0.64	0	42	33.57	0.08	0.13	0.58	0
DEL0910	286	9	32.06	-0.58	0.25	0.22	1	9	32.43	-0.45	0.25	0.42	1
DEL0911	310	31	32.72	-0.20	0.16	0.82	0	27	33.57	0.05	0.16	0.62	0

"Cruise", the code name for a cruise:  
 CD, the calendar mid-date of all the stations within a region for that cruise:  
 "#obs", the number of observations included in each average:  
 "Temp", the areal average temperature: "Salt", the areal average salinity:  
 Anomaly, the areal average temperature or salinity anomaly:  
 "SDV1", the standard deviation associated with the average temperature or salinity anomaly:  
 "SDV2", the standard deviation of the individual anomalies from which the average anomaly was derived:  
 Flag, a value of "1" indicates that a true areal average could not be calculated due to poor station coverage.  
 The areal averages listed were derived from a simple average of the observations within the region.

**Appendix Table 5. The 2009 regional average temperature and salinity values for individual cruises that sampled within the southern Middle-Atlantic Bight, whose boundaries are defined in Figure 1. Average values incorporating less than 10 observations are shown in gray.**

<b>Southern Mid Atlantic Bight</b>													
Cruise	Surface							Bottom					
	CD	#obs	Temp	Anomaly	SDV1	SDV2	Flag	#obs	Temp	Anomaly	SDV1	SDV2	Flag
DEL0901	18	22	10.30	0.71	0.30	1.27	1	15	10.37	1.26	0.37	1.79	1
DEL0902	32	39	7.20	0.19	0.22	1.78	0	35	7.54	0.52	0.26	1.21	0
HB0901	72	89	6.90	1.09	0.14	1.37	0	76	6.71	1.05	0.17	1.73	0
S10901	139	59	12.74	-0.29	0.17	1.02	1	58	7.94	0.19	0.18	1.37	1
DEL0905	151	46	16.28	0.39	0.20	1.17	0	42	10.25	0.49	0.21	1.45	1
HB0903	219	6	25.11	1.43	0.63	0.76	1	2	8.64	1.99	0.99	1.32	1
DEL0909	232	43	25.84	2.03	0.19	1.26	0	40	11.15	-1.54	0.21	3.06	1
HB0904	239	29	24.89	2.43	0.29	0.73	1	1	9.78	2.12	1.30	-9.99	1
HB0905	264	92	21.35	-0.14	0.14	1.09	0	70	17.20	3.02	0.18	2.75	0
DEL0911	311	46	15.17	-0.26	0.19	0.77	0	40	15.40	0.84	0.23	1.23	0

  

Cruise	Surface							Bottom					
	CD	#obs	Salinity	Anomaly	SDV1	SDV2	Flag	#obs	Salinity	Anomaly	SDV1	SDV2	Flag
DEL0901	18	21	34.25	0.04	0.22	0.44	1	14	34.29	0.29	0.22	0.46	1
DEL0902	32	39	33.07	-0.43	0.17	1.29	0	35	33.58	0.02	0.16	0.45	0
HB0901	72	89	32.95	-0.22	0.11	0.74	0	76	33.51	0.05	0.10	0.61	0
S10901	139	59	32.55	-0.07	0.12	0.30	1	58	33.51	-0.04	0.11	0.52	1
DEL0905	151	46	32.01	-0.11	0.16	0.69	0	42	32.60	-0.42	0.13	0.43	1
HB0903	219	6	31.98	-1.54	0.43	0.18	1	2	33.55	0.50	0.57	0.80	1
DEL0909	232	43	30.88	-1.04	0.15	0.70	0	39	32.79	-0.24	0.13	0.45	1
HB0904	239	29	32.32	-1.26	0.19	0.73	1	1	33.12	-0.35	0.76	-9.99	1
HB0905	264	92	32.41	0.11	0.11	1.27	0	70	32.86	-0.41	0.11	1.06	0
DEL0911	311	46	32.82	-0.10	0.15	1.02	0	40	33.21	-0.17	0.14	0.74	0

"Cruise", the code name for a cruise:  
 CD, the calendar mid-date of all the stations within a region for that cruise:  
 "#obs", the number of observations included in each average:  
 "Temp", the areal average temperature: "Salt", the areal average salinity:  
 Anomaly, the areal average temperature or salinity anomaly:  
 "SDV1", the standard deviation associated with the average temperature or salinity anomaly:  
 "SDV2", the standard deviation of the individual anomalies from which the average anomaly was derived:  
 Flag, a value of "1" indicates that a true areal average could not be calculated due to poor station coverage.  
 The areal averages listed were derived from a simple average of the observations within the region.