

Appendix C. Areal average surface and bottom temperature, salinity, and anomalies
Presented by cruise using hydrographic data collected in 2001.

Table 4. Areal average surface and bottom temperature and temperature anomalies for the 2001 NEFSC cruises in the five regions of the northeast continental shelf as shown in Figure 1

CRUISE	CD	SURFACE					BOTTOM				
		#obs	Temp	Anomaly	SDV1	SDV2	#obs	Temp	Anomaly	SDV1	SDV2
(**)											
Gulf of Maine West											
AL0103	117	53	5.79	0.46	0.19	0.96	50	5.87	0.81	0.14	0.63
ALB/DEL	156	12	10.15	-0.32	0.33	0.79	10	6.83	0.92	0.32	0.45*
AL0109	239	15	17.45	1.11	0.34	1.47	12	7.08	0.27	0.27	0.87*
DE0109	252	82	17.13	1.32	0.13	1.13*	81	6.64	0.27	0.12	1.10*
AL0110	292	48	12.79	0.47	0.18	0.99	45	7.50	0.09	0.13	1.46
AL0111	316	28	9.97	-0.03	0.25	0.92	20	7.45	0.16	0.21	1.14
Gulf of Maine East											
AL0103	109	35	3.88	-0.87	0.21	1.04	32	6.71	0.18	0.20	0.85
ALB/DEL	154	21	7.95	-0.43	0.29	0.92	13	7.22	0.13	0.32	0.88
AL0109	237	25	14.41	-0.03	0.24	1.71	21	8.18	-0.58	0.26	1.85
DE0109	265	36	16.38	1.57	0.18	0.98*	35	9.43	0.28	0.16	0.97*
AL0110	283	31	13.06	0.28	0.24	1.27	29	8.60	-0.17	0.21	1.26
AL0111	313	17	10.01	-0.57	0.32	0.72	14	8.59	0.09	0.35	0.80
Georges Bank											
AL0102	51	30	5.62	0.43	0.32	0.53*	21	5.90	0.31	0.29	1.32*
AL0103	102	52	5.21	0.31	0.18	0.68	44	5.56	0.34	0.25	0.83
ALB/DEL	152	33	9.80	0.59	0.22	1.83	29	8.16	0.49	0.26	0.96
DE0106	167	20	13.63	2.92	0.29	2.28*	20	8.18	0.38	0.30	1.51*
AL0107	211	71	17.28	1.90	0.17	1.82	70	9.96	-1.18	0.20	2.08
AL0109	235	37	18.16	2.13	0.23	1.82	33	12.31	0.14	0.27	1.69
DE0109	264	39	16.22	1.32	0.15	0.84*	38	13.46	0.85	0.15	2.23*
AL0110	274	53	16.97	1.71	0.18	1.45	45	13.15	0.41	0.22	1.92
AL0111	312	35	13.30	0.71	0.23	1.02	28	12.53	0.50	0.28	1.21
MAB North											
AL0102	43	56	5.46	0.07	0.24	1.01	40	6.71	0.64	0.31	1.25
DE0101	49	26	5.45	0.13	0.38	0.96	23	6.67	0.11	0.46	1.34
AL0103	89	55	5.17	0.62	0.27	0.73	50	5.96	0.46	0.32	1.18
ALB/DEL	145	26	10.92	-0.09	0.34	1.29	24	7.22	0.31	0.39	1.77
AL0107	180	17	19.50	2.01	0.36	2.05*	17	9.23	1.52	0.38	2.01*
AL0110	266	55	20.88	2.75	0.29	1.26	52	14.52	1.32	0.22	2.62*
AL0111	307	29	15.49	1.25	0.34	0.75	27	13.79	0.56	0.38	1.58
MAB South											
AL0102	33	68	6.77	-0.20	0.24	2.09	54	6.89	0.00	0.28	1.50
DE0101	45	11	7.11	-0.51	0.58	1.25*	7	8.21	0.78	0.73	1.14*
AL0103	69	92	6.74	0.64	0.22	1.18	83	6.97	1.03	0.28	1.36
ALB/DEL	141	41	13.45	-0.49	0.27	1.01*	38	8.34	-0.29	0.29	1.57*
AL0107	188	51	23.77	1.52	0.24	1.89*	50	7.67	0.21	0.29	2.20*
AL0110	252	88	23.60	1.50	0.24	1.13	80	13.57	-0.62	0.28	3.28
AL0111	304	36	16.85	0.80	0.32	0.74	33	15.94	1.20	0.36	1.26

(1) "CRUISE", the code name for a cruise: "CD", the calendar mid-data of all the stations within a region for a cruise: "# obs", the number of observations included in each average: "Temp", the areal average temperature: "Anomaly", the areal average temperature anomaly: "SDV1", the standard deviation associated with the average temperature anomaly: "SDV2", the standard deviation of the individual anomalies from which the average anomaly was derived.

(*) A true areal average could not be calculated due to poor station coverage. The average values listed were derived from a simple average of the observations within the region.

(**) ALB/DEL = AL0106 + DE0105

Table 5. Areal average surface and bottom salinity and salinity anomalies for the 2001 NEFSC cruises in the five regions of the northeast continental shelf as shown in Figure 1

CRUISE	CD	SURFACE					BOTTOM				
		#obs	Temp	Anomaly	SDV1	SDV2	#obs	Temp	Anomaly	SDV1	SDV2
(**)											
Gulf of Maine West											
AL0103	117	53	31.87	-0.57	0.08	0.65	50	33.22	-0.16	0.05	0.29
ALB/DEL	156	12	31.77	-0.44	0.14	0.26	10	33.25	-0.19	0.10	0.20*
AL0109	239	15	31.80	-0.25	0.15	0.25	12	33.73	-0.06	0.09	0.26*
DE0109	252	79	31.86	-0.14	0.06	0.24*	81	33.30	-0.09	0.03	0.27*
AL0110	292	48	32.36	-0.15	0.07	0.18	45	33.45	-0.14	0.05	0.34
AL0111	316	28	32.66	-0.06	0.11	0.21	20	33.69	0.05	0.08	0.27
Gulf of Maine East											
AL0103	109	32	31.84	-0.63	0.12	0.34	32	33.81	-0.19	0.08	0.46
ALB/DEL	154	21	31.84	-0.57	0.14	0.24	13	33.74	-0.15	0.12	0.35
AL0109	237	25	32.11	-0.25	0.12	0.38	21	33.93	0.08	0.11	0.45
DE0109	265	36	32.19	-0.25	0.07	0.21*	35	34.32	-0.01	0.04	0.15*
AL0110	283	29	32.46	-0.14	0.12	0.20	29	34.29	0.05	0.09	0.24
AL0111	313	17	32.85	0.18	0.16	0.34	14	34.13	-0.08	0.10	0.40
Georges Bank											
AL0102	51	30	32.84	-0.15	0.12	0.30*	21	33.01	-0.15	0.10	0.40*
AL0103	102	51	32.73	-0.17	0.07	0.23	44	32.97	-0.20	0.08	0.39
ALB/DEL	152	33	32.62	-0.20	0.08	0.65	29	32.87	-0.15	0.09	0.26
DE0106	167	20	32.38	-0.25	0.09	0.40*	20	32.74	-0.21	0.09	0.32*
AL0107	211	71	32.21	-0.49	0.06	0.34	70	32.67	-0.31	0.07	0.34
AL0109	235	37	32.16	-0.55	0.09	0.36	33	32.53	-0.39	0.09	0.25
DE0109	264	39	32.37	-0.16	0.05	0.16*	38	32.60	-0.13	0.05	0.19*
AL0110	274	52	32.71	-0.03	0.07	0.49	45	32.81	-0.14	0.08	0.39
AL0111	312	35	32.62	-0.17	0.09	0.28	28	32.70	-0.27	0.10	0.34
MAB North											
AL0102	43	56	32.86	-0.27	0.12	0.33	40	33.30	-0.27	0.11	0.41
DE0101	49	26	32.90	-0.27	0.17	0.35	22	33.31	-0.46	0.14	0.46
AL0103	89	55	32.60	-0.25	0.13	0.87	50	33.01	-0.42	0.11	0.38
ALB/DEL	145	26	32.44	0.00	0.16	0.62	24	32.79	-0.27	0.14	0.25
AL0107	180	17	31.71	-0.11	0.18	0.56*	17	33.02	0.09	0.13	0.55*
AL0110	266	54	32.85	0.20	0.13	0.56	52	32.33	-0.53	0.08	0.39*
AL0111	307	27	32.98	-0.05	0.17	0.45	27	33.59	-0.13	0.13	0.53
MAB South											
AL0102	33	68	33.37	-0.39	0.14	0.62	54	33.49	-0.23	0.11	0.48
DE0101	45	11	33.37	-0.61	0.27	0.37*	7	33.86	-0.12	0.26	0.46*
AL0103	69	91	32.77	-0.44	0.13	1.11	83	33.22	-0.29	0.10	0.63
ALB/DEL	141	41	32.09	-0.14	0.15	0.53*	38	32.66	-0.56	0.11	0.25*
AL0107	188	50	31.38	-0.56	0.12	0.51*	50	33.25	-0.07	0.10	0.50*
AL0110	252	86	32.47	0.32	0.13	1.12	80	32.89	-0.23	0.11	0.58
AL0111	304	34	33.48	0.59	0.19	0.51	33	33.68	0.35	0.13	0.50

(1) "CRUISE", the code name for a cruise: "CD", the calendar mid-data of all the stations within a region for a cruise: "# obs", the number of observations included in each average: "Salt", the areal average salinity: "Anomaly", the areal average salinity anomaly: "SDV1", the standard deviation associated with the average salinity anomaly: "SDV2", the standard deviation of the individual anomalies from which the average anomaly was derived.

(*) A true areal average could not be calculated due to poor station coverage. The average values listed were derived from a simple average of the observations within the region.

(**) ALB/DEL = AL0106 + DE0105