Underway Surface Salinity Sensor Offsets for each GLOBEC cruise, 1997 to 2004.
Offsets were determined by comparing underway salinity values to bottle sample salinities taken from the underway flow-thru system and/or comparing underway salinity values to 5 m CTD salinity values. Offsets should be added to underway salinity values to correct salinity.

Instrument/ Sensor No.	W9711C 15-22 Nov	W9801B 30 Jan – 2 Feb	W9804A 4-10 Apr	W9808A 6-14 Aug	W9809A 24-26 Sept	W9811A 16-20 Nov
Sea Surface T	854	854	997*	997*	997*	997*
Calibration Date	19Aug97	19Aug97	7Mar98	7Mar98	7Mar98	7Mar98
Flow-thru T	573	573	1366	854	1366	1366
Calibration Date	11Dec97	11Dec97	3Apr97	19Aug97	18Jul98	18Jul98
Flow-thru C	172	172	1568	1568	830	830
Calibration Date	11Dec97	30Dec97	16Sept97	16Sept97	20Mar98	20Mar98
	(Post-cruise)	(After mods)				
Bot-Flothru S. Diff	0.043	-0.002	0.095	0.102	Only 3	0.062
Std. Dev.	0.011	0.018	0.010	0.010	salts	0.015
N	16	16	34	35		24
CTD-Das S. Diff.	0.043	0.001	0.095	0.105	0.001	0.070
Std. Dev.	0.014	0.018	0.013	0.012	0.016	0.014
N	41	21	39	53	13	34

*Sea-surface temperature sensor 997 (on ship's hull) was cracked, so these temperature data are no good.

Instrument/ Sensor No.	W9902A 17-18 Feb	W9904B 9-23 April	W9907A 3-10 July	W9909C 22-27 Sept	W9911A 3-5 Nov	W0002A 1-2 Feb	W0004B 11-17 April	W0007A 7-13 July	W0009A 7-12 Sept
Sea Surface T	997*	573	573	573	573	854	573	573	573
Calibration Date	7Mar98	27Feb99	27Feb99	27Feb99	27Feb99	12Dec99	15Feb00	15Feb00	15Feb00
Flow-thru T	854	854	854	2490	2490	2490	854	854	854
Calibration Date	6Oct98	6Oct98	6Oct98	17Aug99	17Aug99	17Aug99	12Dec99	12Dec99	12Dec99
Flow-thru C	497	1054	1054	830	830	830	497	497	497
Calibration Date	20Mar98	25Aug98	25Aug98	25Feb99	25Feb99	25Feb99	15Feb00	15Feb00	15Feb00
Bot-Flothru S. Diff	No salts	0.009	0.031	0.020	No salts	No salts	0.015	0.074	0.087
Std. Dev.		0.027	0.021	0.013			0.014	0.019	0.013
N		10	40	9			13	29	26
CTD-Das S. Diff.	0.013	0.026	See	0.015	0.045	0.034	0.017	0.087	0.094
Std. Dev.	0.007	0.022	Note-	0.018	0.015	0.010	0.028	0.015	0.015
N	6	21	book	31	11	11	34	41	38

*Sea-surface temperature sensor 997 (on ship's hull) was cracked, so these temperature data are no good.

Instrument/ Sensor No.	W0101C 27-28 Jan	W0103B 20-24 March	W0107A 6-8 July	W0109A 4-10 Sept	W0111B 27-29 Nov
Sea Surface T	573	573	573	573	573
Calibration Date	15Feb00	8Feb01	8Feb01	8Feb01	8Feb01
Flow-thru T	1364	2490	854	854	854
Calibration Date	1Sept00	17Jan01	8Jan01	8Jan01	8Jan01
Flow-thru C	172	172	172	172	172
Calibration Date	12Sept00	12Sept00	12Dec00	12Dec00	12Dec00
Bot-Flothru S. Diff	Only 2	0.007	0.045	0.101	No salts
Std. Dev.	salts	0.007	0.007	0.011	
N		9	10	13	
CTD-Das S. Diff.	0.002	0.009	0.059	0.101	0.128
Std. Dev.	0.003	0.007	0.018	0.011	0.005
N	10	28	8	36	6

Instrument/ Sensor No.	W0202A 19-20 Feb	W0204A 4-10 April	W0207A 9-15 July	AT7-21 27 Sept-3 Oct	W0212A 3-5 Dec	W0302A 14-16 Feb	W0304A 1-6 April	NH0307A 3-8 July	W0309B[1] 26 Sep-2 Oct	W0408D
Sea Surface T	573	573	573	No good data	573	573	573		573	854
Calibration Date	8Feb01	11Dec01	11Dec01		11Dec01	17Dec02	17Dec02		17Dec02	18Oct03
Flow-thru T	854	854	854		854	854	854		854	2490
Calibration Date	8Jan01	11Dec01	11Dec01		11Dec01	17Dec02	17Dec02		17Dec02	11Nov03
Flow-thru C	172	172	172		830	1021	1021		1021	1021
Calibration Date	12Dec00	19Dec01	19Dec01		9Apr02	17Dec02	17Dec02		17Dec02	17Oct03
Bot-Flothru S. Diff	No salts	0.009	0.207		0.006	Only 1	0.070	0.002	0.421	0.021
Std. Dev.		0.014	0.020		0.002	salt	0.002	0.025	0.009	0.006
N		22	23		16		4	23	6	13
CTD-Das S. Diff.	0.016	0.009	0.205		0.002	0.056	0.075	0.008	0.432	0.022
Std. Dev.	0.019	0.012	0.026		0.003	0.003	0.007	0.025	0.022	0.014
N	9	38	42		12	7	38	33	33	37