

AM1 Cruise (November 2006)

	0-20	20-40	40-60	60-80	80-100	100-200	200-300	300-400	400-600	600-800	800-1000	Total specimens ad+juv	Freq (%)
<i>S. maximum</i>								13.26				0.76	0.71
<i>Thysanopoda aequalis</i>													
<i>T. aequalis</i> juv.													
Midday													
Migrant species													
<i>Euphausia brevis</i>							7.98	8.00				1.32	4.44
<i>E. brevis</i> juv.													
<i>E. krohni</i>						8.09		24.01			2.60	3.29	11.11
<i>E. krohni</i> juv.													
<i>E. hemigibba</i>													
<i>E. hemigibba</i> juv.													
<i>Meganyctiphanes norvegica</i>								8.00				0.66	2.22
<i>M. norvegica</i> juv.													
Non-migrant species													
<i>Nematoscelis megalops</i>				53.17		24.27		56.03		4.30	7.81	11.19	37.78
<i>N. megalops</i> juv.													
<i>Stylocheiron abbreviatum</i>		8.54										0.66	2.22
<i>S. abbreviatum</i> juv.													
<i>S. longicorne</i>		8.54		70.89	94.11	16.18						12.51	42.22
<i>S. longicorne</i> juv.													
<i>S. maximum</i>													
<i>Thysanopoda aequalis</i>													
<i>T. aequalis</i> juv.													
Afternoon													
Migrant species													
<i>Euphausia brevis</i>	16.13	5.72										0.80	1.04
<i>E. brevis</i> juv.													
<i>E. krohni</i>	209.64	80.02	65.60	25.41	10.19	6.49						16.74	21.88
<i>E. krohni</i> juv.													
<i>E. hemigibba</i>	86.01	28.58										4.19	5.47
<i>E. hemigibba</i> juv.													
<i>Meganyctiphanes norvegica</i>				3.91	5.10							0.80	1.04
<i>M. norvegica</i> juv.	5.38												

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	0-20	20-40	40-60	60-80	80-100	100-200	200-300	300-400	400-600	600-800	800-1000	Total specimens ad+juv	Freq (%)
Non-migrant species													
<i>Nematoscelis megalops</i>						107.02	35.28	134.15				27.50	35.94
<i>N. megalops</i> juv.										4.12	1.12		
<i>Stylocheiron abbreviatum</i>			10.93	3.91		3.24						1.40	1.82
<i>S. abbreviatum</i> juv.	5.38												
<i>S. longicorne</i>	5.38	5.72	169.48	37.14		59.99		84.17				24.11	31.51
<i>S. longicorne</i> juv.													
<i>S. maximum</i>						3.24						0.40	0.52
<i>Thysanopoda aequalis</i>			5.47			1.62		2.63				0.60	0.78
<i>T. aequalis</i> juv.													
												76.53	
Midnight													
Migrant species													
<i>Euphausia brevis</i>													
<i>E. brevis</i> juv.													
<i>E. krohni</i>	487.89		9.79	8.07	147.80							30.19	38.46
<i>E. krohni</i> juv.		40.17				2.04	5.42						
<i>E. hemigibba</i>	93.27		4.90		5.10							4.20	5.35
<i>E. hemigibba</i> juv.													
<i>Meganyctiphanes norvegica</i>				8.07	10.19							0.79	1.00
<i>M. norvegica</i> juv.													
Non-migrant species													
<i>Nematoscelis megalops</i>			2.45		35.68	85.74	62.31	37.64	15.88	23.24	1.55	26.78	34.11
<i>N. megalops</i> juv.													
<i>Stylocheiron abbreviatum</i>	14.35	12.05			5.10		2.71	3.14				2.63	3.34
<i>S. abbreviatum</i> juv.							2.71	3.14					0.00
<i>S. longicorne</i>			4.90		81.55	24.50	18.96	21.96	8.82	3.32		13.13	16.72
<i>S. longicorne</i> juv.													
<i>S. maximum</i>													
<i>Thysanopoda aequalis</i>					5.10				1.76			0.79	1.00
<i>T. aequalis</i> juv.								3.14					

Table S2. Vertical distribution of euphausiid abundance (ind. 1000 m⁻³) during the 4 sampling times (morning, midday, afternoon, midnight) in April 2007. Total specimens (adults + juveniles: ad+juv) were calculated by dividing the total counted specimens for each species by the filtered volume of entire water column. Freq (%) is the occurrence frequency of each species inside the total specimens counted in the water column from 0 to 1000 m

AM3 Cruise (April 2007)

Morning	0–20	20–40	40–60	60–80	80–100	100–200	200–300	300–400	400–600	600–800	800–1000	Total specimens ad+juv	Freq (%)
Migrant species													
<i>Euphausia brevis</i>							13.20					1.21	0.06
<i>E. brevis</i> juv.													
<i>E. krohni</i>								120.32				979.85	50.55
<i>E. krohni</i> juv.	17.84		42.77			36.58	8777.29	1283.39					
<i>E. hemigibba</i>								10.03				7.86	0.41
<i>E. hemigibba</i> juv.								55.15					
<i>Meganycitiphanes norvegica</i>							6.60					0.60	0.03
<i>M. norvegica</i> juv.													
Non-migrant species													
<i>Nematoscelis megalops</i>				58.55				25.07	11.45		4.95	811.10	41.84
<i>N. megalops</i> juv.	98.13	18258.24	185.32		8.03	409.69	6.60	5.01					
<i>Stylocheiron abbreviatum</i>												13.91	0.72
<i>S. abbreviatum</i> juv.						146.32	6.60	5.01			4.95		
<i>S. longicorne</i>								13.20	195.52	3.82		123.39	6.37
<i>S. longicorne</i> juv.		249.31	228.09	58.55		577.96	211.18	70.19					
<i>S. maximum</i>												0	0
<i>Thysanopoda aequalis</i>								5.01				0.60	0.03
<i>T. aequalis</i> juv.													
Midday													
Migrant species													
<i>Euphausia brevis</i>												0	0
<i>E. brevis</i> juv.													
<i>E. krohni</i>						13.70			158.73		4.97	715.30	66.72
<i>E. krohni</i> juv.				18.80			42.98	7110.99	14.43				
<i>E. hemigibba</i>												1.07	0.10
<i>E. hemigibba</i> juv.							4.78		3.61				
<i>Meganycitiphanes norvegica</i>												0.53	0.05
<i>M. norvegica</i> juv.									3.61				
Non-migrant species													
<i>Nematoscelis megalops</i>	2985.59		35.66	37.60	6.82		38.21	16.71	25.25	22.78		174.68	16.29

AM3 Cruise (April 2007)

	0-20	20-40	40-60	60-80	80-100	100-200	200-300	300-400	400-600	600-800	800-1000	Total specimens ad+juv	Freq (%)
<i>N. megalops</i> juv.						13.70	4.78						
<i>Stylocheiron abbreviatum</i>												9.62	0.90
<i>S. abbreviatum</i> juv.					102.34	20.55							
<i>S. longicorne</i>							558.78	94.66	14.43			170.94	15.94
<i>S. longicorne</i> juv.					627.69	616.54							
<i>S. maximum</i>												0	0
<i>Thysanopoda aequalis</i>												0	0
<i>T. aequalis</i> juv.													
Afternoon													
Migrant species													
<i>Euphausia brevis</i>												0	0
<i>E. brevis</i> juv.													
<i>E. krohni</i>	36.15	53.60	21898.92			67.87	37.58	10.40	4.25			1346.87	46.60
<i>E. krohni</i> juv.		884.46		10432.47	6362.46	386.87	139.06	28.59					
<i>E. hemigibba</i>				0.00	322.67	27.15	7.52					27.62	0.96
<i>E. hemigibba</i> juv.				340.65									
<i>Meganyctiphanes norvegica</i>						6.79						2.05	0.07
<i>M. norvegica</i> juv.							15.03						
Non-migrant species													
<i>Nematoscelis megalops</i>	614.54		6792.56	63.87	132.38	251.13	131.54	67.58	29.74	36.37	4.92	1244.92	43.07
<i>N. megalops</i> juv.	2759.42	1098.87		2767.80	15207.02	0.00	67.65	93.58	0.00	8.08	9.83		
<i>Stylocheiron abbreviatum</i>						33.94						21.48	0.74
<i>S. abbreviatum</i> juv.					405.41	0.00	15.03						
<i>S. longicorne</i>	12.05	93.81	377.36		16.55	570.13	552.47	103.97	16.99	4.04		246.87	8.54
<i>S. longicorne</i> juv.				2001.33	554.34	0.00	146.57	38.99					
<i>S. maximum</i>								5.20				0.68	0.02
<i>Thysanopoda aequalis</i>												0	0
<i>T. aequalis</i> juv.													
Midnight													
Migrant species													
<i>Euphausia brevis</i>				3.07				8.49				1.49	0.09
<i>E. brevis</i> juv.				0.00									
<i>E. krohni</i>				122.89	594.89	28.82		8.49				709.11	44.89
<i>E. krohni</i> juv.				2479.29	491.43	9.61	83.34	16.97	12.89	6.97			

AM3 Cruise (April 2007)

	0-20	20-40	40-60	60-80	80-100	100-200	200-300	300-400	400-600	600-800	800-1000	Total specimens ad+juv	Freq (%)
<i>E. hemigibba</i>					12.93			25.46				11.91	0.75
<i>E. hemigibba</i> juv.				30.72	25.86								
<i>Meganycitiphanes norvegica</i>				3.07								0.74	0.05
<i>M. norvegica</i> juv.													
Non-migrant species													
<i>Nematoscelis megalops</i>				110.60	3064.98	297.86	112.51	93.34	25.78	11.62		724.75	45.88
<i>N. megalops</i> juv.				1895.57	51.73	48.04	58.34	8.49		11.62			
<i>Stylocheiron abbreviatum</i>							8.33			4.65		16.01	1.01
<i>S. abbreviatum</i> juv.				36.87	64.66			8.49		6.97			
<i>S. longicorne</i>					775.94	499.63	204.18	33.94	8.59			115.77	7.33
<i>S. longicorne</i> juv.				12.29	103.46			8.49					
<i>S. maximum</i>												0	0
<i>Thysanopoda aequalis</i>												0	0
<i>T. aequalis</i> juv.													