

Seasonal ecology and life-history strategy of the high-latitude predatory zooplankter *Parasagitta elegans*

Jordan J. Grigor^{1,2,*}, Janne E. Søreide¹, Øystein Varpe^{1,3}

¹The University Centre in Svalbard, 9171, Longyearbyen, Norway

²Takuvik Joint International Laboratory, Université Laval (Canada) — CNRS (France),
Département de biologie and Québec-Océan, Université Laval, Québec, Québec G1V 0A6, Canada

³Akvaplan-niva, Fram Centre, 9296 Tromsø, Norway

*Corresponding author: jordangrigor@gmail.com

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Supplement. Additional data

Table S1. Information on the samples used in this study: sampling date, gear used in sampling (WP3, WP2, MPS), sampling depths (m), whether sample was collected during the day (06:00 to 18:00 UCT) or night (18:00 to 06.00 UCT) and precise time of sampling (UCT).

Net tow series	Date (dd/mm/yyyy)	Gear	Sampling depths (m)	Day/night	Time (UCT)
1	23/07/2008	WP2	100-50	Day	-
2	23/07/2008	WP2	50-20	Day	10:00
3	23/07/2008	WP2	20-0	Day	10:00
4	27/08/2008	WP3	180-100	Night	01:38
5	27/08/2008	WP3	100-50	Night	01:25
6	27/08/2008	WP3	50-0	Night	01:19
7	06/09/2008	WP3	50-0	Night	23:20
8	22/09/2008	WP3	180-100	Day	11:10
9	22/09/2008	WP3	50-0	Day	11:30
10	22/09/2008	MPS	180-100	Night	22:45
11	22/09/2008	MPS	100-50	Night	22:45
12	22/09/2008	MPS	50-20	Night	22:45
13	22/09/2008	MPS	20-0	Night	22:45
14	23/09/2008	WP3	180-100	Night	00:30
15	23/09/2008	WP3	100-50	Night	23:45
16	23/09/2008	WP3	50-0	Night	23:30
17	16/10/2008	WP3	180-100	Day	14:45
18	16/10/2008	WP3	100-50	Day	13:30
19	16/10/2008	WP3	50-0	Day	13:30
20	16/10/2008	MPS	180-100	Day	12:00
21	16/10/2008	MPS	100-50	Day	13:20
22	16/10/2008	MPS	50-20	Day	13:30
23	03/11/2008	WP3	180-100	Night	23:45
24	03/11/2008	WP3	100-50	Night	22:35
25	03/11/2008	WP3	50-0	Night	23:25
26	04/11/2008	WP3	100-50	Day	13:50
27	04/11/2008	MPS	180-100	Day	12:50
28	04/11/2008	MPS	100-50	Day	12:50
29	04/11/2008	MPS	50-20	Day	12:50
30	04/11/2008	MPS	20-0	Day	12:50
31	02/12/2008	WP3	180-100	Night	00:30
32	02/12/2008	WP3	100-50	Night	00:09
33	02/12/2008	WP3	50-0	Night	00:50

34	02/12/2008	MPS	50-20	Night	00:30
35	02/12/2008	MPS	20-0	Night	23:30
36	03/12/2008	WP3	180-100	Day	13:00
37	03/12/2008	WP3	100-50	Day	12:38
38	03/12/2008	WP3	50-0	Day	12:15
39	03/12/2008	MPS	180-100	Day	11:40
40	03/12/2008	MPS	100-50	Day	11:40
42	03/12/2008	MPS	50-20	Day	11:40
43	14/01/2009	WP3	180-100	Night	18:55
44	14/01/2009	WP3	100-50	Night	19:10
45	14/01/2009	WP3	50-0	Night	19:25
46	14/01/2009	WP2	180-100	Day	17:00
47	14/01/2009	WP2	100-50	Day	17:15
48	14/01/2009	WP2	50-20	Day	17:30
49	14/01/2009	WP2	20-0	Day	17:45
50	27/02/2009	WP3	180-0	Night	23:55
51	27/02/2009	WP3	180-100	Day	10:17
52	27/02/2009	WP3	100-50	Day	10:33
53	27/02/2009	WP3	50-0	Day	10:45
54	27/02/2009	WP2	180-100	Day	11:36
55	27/02/2009	WP2	50-20	Day	11:55
56	27/02/2009	WP2	20-0	Day	12:05
57	23/03/2009	WP2	180-100	Day	17:00
58	23/03/2009	WP2	100-50	Day	16:45
59	30/03/2009	WP3	180-100	Day	14:58
60	30/03/2009	WP3	100-50	Day	14:45
61	30/03/2009	WP3	50-0	Day	14:15
62	30/03/2009	WP2	180-100	Day	13:30
63	30/03/2009	WP2	100-50	Day	13:15
64	30/03/2009	WP2	50-20	Day	13:00
65	20/04/2009	WP3	180-100	Day	15:40
66	20/04/2009	WP3	100-50	Day	15:50
67	20/04/2009	WP3	50-0	Day	14:00
68	20/04/2009	WP2	180-100	Day	13:30
69	20/04/2009	WP2	100-50	Day	14:20
70	20/04/2009	WP2	20-0	Day	15:00
71	27/04/2009	WP3	180-100	Day	14:20
72	27/04/2009	WP3	100-50	Day	14:00
73	27/04/2009	WP3	50-0	Day	13:50
74	27/04/2009	WP2	180-100	Day	13:30
75	27/04/2009	WP2	100-50	Day	12:45
76	27/04/2009	WP2	20-0	Day	12:20
77	04/05/2009	WP3	180-100	Day	14:40
78	04/05/2009	WP3	100-50	Day	14:15
79	04/05/2009	WP3	50-0	Day	14:00
80	04/05/2009	WP2	180-100	Day	13:10
81	04/05/2009	WP2	100-50	Day	13:00
82	14/05/2009	WP2	180-100	Day	11:10
83	14/05/2009	WP2	100-50	Day	13:00
84	14/05/2009	WP2	50-20	Day	12:45
85	14/05/2009	WP2	20-0	Day	12:15
86	10/06/2009	WP2	180-100	Night	19:30
87	10/06/2009	WP2	100-50	Night	19:45
88	10/06/2009	WP2	50-20	Night	19:50
89	10/06/2009	WP2	20-0	Night	20:08
90	17/08/2009	MPS	180-100	Night	18:25
91	17/08/2009	MPS	100-50	Night	18:25
92	17/08/2009	MPS	50-0	Night	18:25

Fig. S1. *Parasagitta elegans*. Length-frequency histograms based on body length data pooled for each month of sampling. Data from all sampling gears (MPS, WP2 and WP3) are included. In each panel, the red line shows the normal distribution of each size cohort and the green line shows the total area covered by the modelled cohorts. From inspection, our interpretation is the presence of 3 cohorts in most months, however with less clear profiles in June, January and April. The main reproductive episode is suggested as late spring and summer. See Table 1 for all cohort body length statistics

