

Supporting Information

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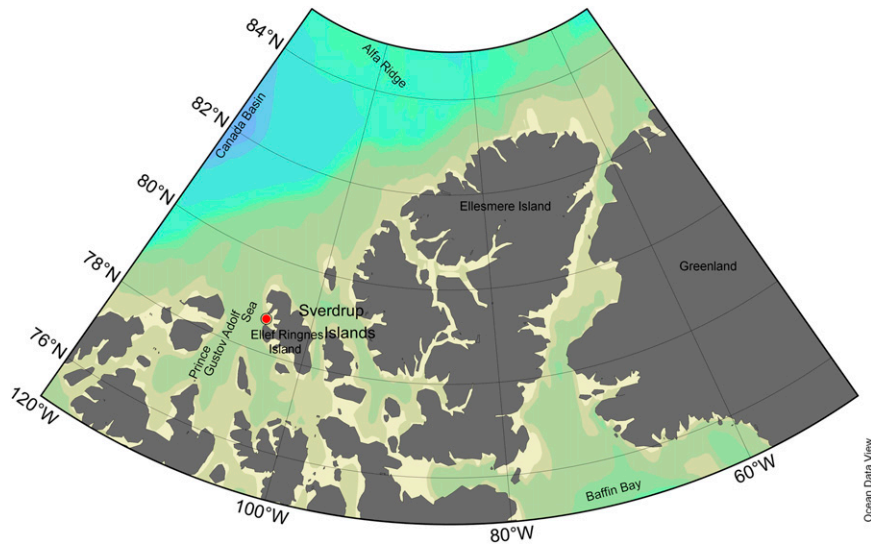


Fig. S1. Map of the location of the Catlin Ice Base (CIB) off Ellef Ringnes Island in the Canadian high Arctic. The CIB is marked with the red circle.

Table S1. Sun and light data for the dates of the 24-h zooplankton sampling

Sun and light parameters		March 20, 2011	March 21, 2011	April 23, 2011	April 24, 2011
Astronomical twilight	Start	Rest of night	Rest of night	—	—
	End				
Nautical twilight	Start	0405 hours	0355 hours	—	—
	End	2256 hours	2306 hours		
Civil twilight	Start	0557 hours	0550 hours	Rest of night	Rest of night
	End	2101 hours	2107 hours		
Sunrise		0717 hours	0711 hours	0319 hours	03:08
Sunset		1940 hours	1945 hours	2325 hours	23:37
Day length		12 h 22 min 41 s	12 h 34 min 15 s	20 h 06 min 36 s	20 h 28 min 30 s
Light intensity, lux	Minimum	0	0	2,009.3	2,343.0
	Maximum	26,522.4	31,344.7	101,037.7	71,644.9

Sun data were provided for Resolute Bay (77° N and 2° S of the Catlin Arctic Survey Ice Base). Time is given in 24 h, local time; light intensity (lux) was measured at the ice base using Hobo data loggers on the surface of the ice.