

Supplementary file for: Pados T. & Spielhagen R.F. 2014. Species distribution and depth habitat of recent planktic foraminifera in Fram Strait, Arctic Ocean. *Polar Research* 33. Correspondence: Theodora Pados, Department of Paleoceanography, GEOMAR Helmholtz Centre for Ocean Research Kiel, Wischhofstraße 1-3, DE-24148 Kiel, Germany. E-mail: tpados@geomar.de

Supplementary Table S1. Number of counted foraminifera individuals in the 100-250 µm size fraction from the water column. (Table continues next page.)

Station	Depth (m)	Split counted	Count			
			<i>N. pachyderma</i> (sin.)	<i>T. quinqueloba</i>	<i>N. pachyderma</i> (dex.)	<i>G. bulloides</i>
PS78-127	0-50	1/2	108	43	11	2
	50-100	1/2	176	33	17	1
	100-200	1/2	241	56	30	0
	200-300	1/2	326	45	25	0
	300-500	1/2	222	37	44	0
PS78-25	0-50	1/4	71	1	5	0
	50-100	1/2	185	44	3	1
	100-200	1/2	95	26	7	0
	200-300	1/2	24	3	0	0
	300-500	1/2	72	16	2	0
PS78-19	0-50	1/2	102	62	1	1
	50-100	1/4	251	72	15	0
	100-200	1/2	226	59	15	0
	200-300	1/2	27	8	2	0
	300-500	1/2	44	9	1	0
PS78-35	0-50	1/2	274	55	24	2
	50-100	1/2	246	40	16	0
	100-200	1/2	300	71	7	1
	200-300	1/2	83	7	7	0
	300-500	1/2	52	5	3	0

PS78-87	0-50	1/4	216	9	11	0
	50-100	1/2	179	21	14	1
	100-200	1/2	85	15	10	0
	200-300	1/2	56	5	5	0
	300-500	1/2	186	20	14	0
PS78-39	0-50	1/2	263	24	7	0
	50-100	1/2	520	87	12	2
	100-200	1/2	561	75	14	1
	200-300	1/2	145	20	2	0
	300-500	1/2	54	4	2	0
PS78-44	0-50	1/2	484	53	83	0
	50-100	1/2	827	32	9	0
	100-200	1/2	489	62	14	1
	200-300	1/2	124	23	5	0
	300-500	1/2	88	23	18	0
PS78-54	0-50	1/4	510	57	10	1
	50-100	1/4	580	77	46	0
	100-200	1/4	331	44	13	0
	200-300	1/2	138	31	13	0
	300-500	1/2	138	18	8	0
PS78-75	0-50	1/2	143	4	3	0
	50-100	1/2	143	13	3	0
	100-200	1/2	46	3	4	0
	200-300	1/2	38	2	2	0
	300-500	1/2	4	0	0	0
PS78-71	0-50	1/2	361	6	18	0
	50-100	1/2	420	36	28	0
	100-200	1/2	160	8	3	0
	200-300	1/2	70	8	2	0
	300-500	1/2	39	3	1	0

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Supplementary Table S2. Abundances of foraminifera (ind./m<sup>3</sup>) calculated for total samples from the water column. (Table continues next page.)

Station	Depth (m)	Split counted	Abundance calculated for total sample (ind./m <sup>3</sup> )			
			<i>N. pachyderma</i> (sin.)	<i>T. quinqueloba</i>	<i>N. pachyderma</i> (dex.)	<i>G. bulloides</i>
PS78-127	0-50	1/2	8.64	3.44	0.88	0.16
	50-100	1/2	14.08	2.64	1.36	0.08
	100-200	1/2	9.64	2.24	1.2	0
	200-300	1/2	13.04	1.8	1	0
	300-500	1/2	4.44	0.74	0.88	0
PS78-25	0-50	1/4	11.36	0.16	0.8	0
	50-100	1/2	14.8	3.52	0.24	0.08
	100-200	1/2	3.8	1.04	0.28	0
	200-300	1/2	0.96	0.12	0	0
	300-500	1/2	1.44	0.32	0.04	0
PS78-19	0-50	1/2	8.16	4.96	0.08	0.08
	50-100	1/4	40.16	11.52	2.4	0
	100-200	1/2	9.04	2.36	0.6	0
	200-300	1/2	1.08	0.32	0.08	0
	300-500	1/2	0.88	0.18	0.02	0
PS78-35	0-50	1/2	21.92	4.4	1.92	0.16
	50-100	1/2	19.68	3.2	1.28	0
	100-200	1/2	12	2.84	0.28	0.04
	200-300	1/2	3.32	0.28	0.28	0
	300-500	1/2	1.04	0.1	0.06	0
PS78-87	0-50	1/4	34.56	1.44	1.76	0
	50-100	1/2	14.32	1.68	1.12	0.08
	100-200	1/2	3.4	0.6	0.4	0
	200-300	1/2	2.24	0.2	0.2	0
	300-500	1/2	3.72	0.4	0.28	0
PS78-39	0-50	1/2	21.04	1.92	0.56	0

	50-100	1/2	41.6	6.96	0.96	0.16
	100-200	1/2	22.44	3	0.56	0.04
	200-300	1/2	5.8	0.8	0.08	0
	300-500	1/2	1.08	0.08	0.04	0
PS78-44	0-50	1/2	38.72	4.24	6.64	0
	50-100	1/2	66.16	2.56	0.72	0
	100-200	1/2	19.56	2.48	0.56	0.04
	200-300	1/2	4.96	0.92	0.2	0
	300-500	1/2	1.76	0.46	0.36	0
PS78-54	0-50	1/4	81.6	9.12	1.6	0.16
	50-100	1/4	92.8	12.32	7.36	0
	100-200	1/4	26.48	3.52	1.04	0
	200-300	1/2	5.52	1.24	0.52	0
	300-500	1/2	2.76	0.36	0.16	0
PS78-75	0-50	1/2	11.44	0.32	0.24	0
	50-100	1/2	11.44	1.04	0.24	0
	100-200	1/2	1.84	0.12	0.16	0
	200-300	1/2	1.52	0.08	0.08	0
	300-500	1/2	0.08	0	0	0
PS78-71	0-50	1/2	28.88	0.48	1.44	0
	50-100	1/2	33.6	2.88	2.24	0
	100-200	1/2	6.4	0.32	0.12	0
	200-300	1/2	2.8	0.32	0.08	0
	300-500	1/2	0.78	0.06	0.02	0

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Supplementary Table S3. Number of counted foraminifera individuals in the 100-250  $\mu\text{m}$  size fraction from sediment surface samples and their abundances (ind./g) calculated for total samples. The sample from station PS78-127 did not contain enough individuals for counting.

Station	Split counted	Count				Ind./g sediment
		<i>N. pachyderma</i> (sin.)	<i>T. quinqueloba</i>	<i>N. pachyderma</i> (dex.)	<i>G. bulloides</i>	
PS78-127	–	–	–	–	–	–
PS78-25	1/8	508	167	18	0	399.2
PS78-19	1/128	318	89	20	1	4248.0
PS78-35	1/256	534	72	5	0	6495.5
PS78-87	1/128	329	32	8	0	3240.7
PS78-39	1/128	322	43	5	0	2982.9
PS78-44	1/128	387	48	7	0	3280.2
PS78-54	1/1024	483	44	5	0	25948.2
PS78-75	1/1024	292	44	30	0	19367.7
PS78-71	1/2	316	40	5	0	48.3