UNIVERSITY OF AMSTERDAM

UvA-DARE (Digital Academic Repository)

Diversity and abundance of pteropods and heteropods along a latitudinal gradient across the Atlantic Ocean

Burridge, A.K.; Goetze, E.; Wall-Palmer, D.; Le Double, S.L.; Huisman, J.; Peijnenburg, K.T.C.A.

DOI
10.1016/j.pocean.2016.10.001

Publication date
2017

Document Version
Other version

Published in
Progress in Oceanography

Link to publication

Citation for published version (APA):
Burridge, A. K., Goetze, E., Wall-Palmer, D., Le Double, S. L., Huisman, J., & Peijnenburg, K. T. C. A. (2017). Diversity and abundance of pteropods and heteropods along a latitudinal gradient across the Atlantic Ocean. *Progress in Oceanography*, *158*, 213-223. https://doi.org/10.1016/j.pocean.2016.10.001

General rights
It is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), other than for strictly personal, individual use, unless the work is under an open content license (like Creative Commons).

Disclaimer/Complaints regulations
If you believe that digital publication of certain material infringes any of your rights or (privacy) interests, please let the Library know, stating your reasons. In case of a legitimate complaint, the Library will make the material inaccessible and/or remove it from the website. Please Ask the Library: https://uba.uva.nl/en/contact, or a letter to: Library of the University of Amsterdam, Secretariat, Singel 425, 1012 WP Amsterdam, The Netherlands. You will be contacted as soon as possible.
UvA-DARE is a service provided by the library of the University of Amsterdam (https://dare.uva.nl)

Download date:26 Mar 2025

Supplementary Table 2. Abundance data for pteropods and heteropods at each station during the AMT24 cruise. Units for abundance are individuals per 1000 m^3 of seawater filtered. Uncoiled euthecosomes are cavoliniids, coiled euthecosomes are limaciniids. *Clio pyramidata pyramidata/lanceolata* is labeled as *Clio pyr. pyr/lanceolata.* Numbers listed in bold report totals for that taxon. Results for heteropods (Pterotracheoidea) are also summed within each family.

Station	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**	**31**
Total Pteropod abundance	**6**	**14**	**0**	**1**	**24**	**292**	**472**	**466**	**414**	**1022**	**410**	**79**	**441**	**340**	**435**	**1947**	**631**	**307**	**263**	**500**	**367**	**483**	**414**	**311**	**194**	**114**	**1929**	**4295**	**896**	**40**	**36**
Uncoiled euthecosomes	**4**	**11**	**0**	**1**	**9**	**35**	**77**	**69**	**113**	**322**	**9**	**18**	**29**	**67**	**68**	**210**	**376**	**64**	**69**	**215**	**154**	**155**	**111**	**135**	**119**	**16**	**27**	**62**	**8**	**0**	**0**
Cavolinia inflexa	2	5		1			3	1		6	3		7	8	3	43	125	25	23	109	51	15	3	3							
Cavolinia uncinata												2				3															
Cavolinia gibbosa										3																					
Cavolinia sp juv																12												2			
Diacavolinia sp							2							5																	
Clio cuspidata	2	2										2				3	3														
Clio pyr. pyr. /lanceolata		2			4	2	13		1	6		2	4	2	11	55	127	6	3	8	6	15	5	3							
Clio pyramidata sulcata																											5	17			
Clio recurva		2																													
Clio pyramidata antarctica																											21	43	8		
Creseis clava						13	2		1	6		2	10	2			3	3	6	43	63	30		6							
Creseis conica					2									17			8		23	14	3										
Creseis virgula										16		7	1	18	46	70	45	8													
Cuvierina sp					4	11	15	1		6				3	2		45	3		8	3	9	3	3							
Diacria danae						3	18	3	7			2		2		3	3	3	6	3	3	3	16								
Diacria trispinosa						2	2	16	9	3	6		6	5	6	21	17	6	6			3	22	12			2				
Diacria major									1																						
Diacria sp juveniles								1	5	3								11	3			39	22								
Hyalocylis striata							3							5																	
Styliola subula						5	20	46	88	272										30	26	42	41	108	119	16					
Cavoliniidae sp												2																			
Coiled euthecosomes	**0**	**0**	**0**	**0**	**15**	**225**	**352**	**307**	**280**	**687**	**380**	**60**	**408**	**257**	**363**	**1725**	**232**	**206**	**122**	**247**	**185**	**310**	**278**	**150**	**70**	**91**	**1863**	**4181**	**872**	**36**	**25**
Heliconoides inflatus					9	161	201	244	190	562	234	32	390	240	336	1645	144	89	55	144	111	149	195	105	57						
Heliconoides inflatus S																										84	653	765	218		
Limacina bulimoides					2	31	139	52	65		32	2	10	8	22	55	59	92	14	43	48	113	46	27	9		5				
Limacina helicina antarctica																										6	1205	3417	654	36	25
Limacina lesueurii					4	34	11	12	25	125	114	26	7	3	5	24	28	25	29	35	17	48	32	12							
Limacina trochiformis														5					23	24	9		5	6	4						
Pseudothecosomes	**2**	**4**	**0**	**0**	**0**	**31**	**38**	**84**	**21**	**12**	**20**	**2**	**4**	**15**	**5**	**12**	**17**	**31**	**72**	**35**	**26**	**15**	**19**	**6**	**0**	**0**	**0**	**2**	**3**	**0**	**0**
Corolla sp	2	4																										2			
Gleba sp														2															3		
Peracle bispinosa									3	3						3															
Peracle diversa						10	20		4		3							14	9	3	20	12	14								
Peracle reticulata							7	9	4		3		1				3		46		6	3	5	3							
Peracle valdiviae									1	9	15	2				6															
Peracle sp A								1																							
Peracle sp B						3		20					1		2	3															
Peracle sp C						6	3	19											3												
Peracle sp D						11	5	10						8			8	11	6	8											
Peracle sp E							3	3									3														
Peracle sp F								13	8				1					3		22											
Peracle sp G								9	1					3			3	3	9												
Peracle sp H														2	3																
Peracle sp I																				3				3							
Gymnosomes	**0**	**0**	**0**	**0**	**0**	**0**	**5**	**6**	**0**	**0**	**0**	**0**	**0**	**2**	**0**	**0**	**6**	**6**	**0**	**3**	**3**	**3**	**5**	**21**	**4**	**6**	**39**	**50**	**13**	**3**	**11**

Supplementary Table 2. *Continued.*

Station	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**	**31**
Total Heteropod abundance	**0**	**0**	**0**	**0**	**9**	**238**	**391**	**149**	**125**	**50**	**181**	**7**	**229**	**270**	**90**	**603**	**68**	**64**	**49**	**704**	**176**	**3**	**46**	**3**	**4**	**6**	**82**	**185**	**126**	**0**	**0**
Atlantidae	**0**	**0**	**0**	**0**	**9**	**219**	**208**	**101**	**113**	**31**	**56**	**4**	**203**	**240**	**72**	**555**	**42**	**53**	**23**	**294**	**77**	**3**	**43**	**3**	**4**	**6**	**68**	**182**	**116**	**0**	**0**
Atlanta echinogyra							2			12				2	24														3		
Atlanta fragilis									50					2	8	18		8		19	6		3				11				
Atlanta helicinoidea						6	2	1					3	2		9															
Atlanta inclinata								6				2		8		15	3	6													
Atlanta lesueurii														2	3	6															
Atlanta oligogyra											6																				
Atlanta peronii																	6	11		3	3										
Atlanta rosea						56	151	45	21	9			6	2	9	113	25			8	68	3	27				7				
Atlanta selvagensis					9	66	33	40	17	3			12	91	5	152	3	6	6	3			3				2				
Atlanta tokiokai							3	6	7		3		47	8	13	76															
Atlanta sp A																										6	41	182	110		
Oxygyrus inflatus							11	1	1	3			6	54	3	43	3	17	3	3											
Protatlanta souleyeti						89	7	1				2		3	3	30	3	3	14	250			11	3			5				
Protatlanta sculpta						2			16	3	38		130	65	5	91		3		8					4						
Atlantidae sp											9			2													2		3		
Pterotracheidae	**0**	**0**	**0**	**0**	**0**	**16**	**64**	**20**	**1**	**6**	**44**	**4**	**25**	**17**	**8**	**34**	**20**	**11**	**23**	**391**	**85**	**0**	**3**	**0**	**0**	**0**	**11**	**0**	**0**	**0**	**0**
Firoloida desmarestia							10	3		6	44	4	12	17	3	27	6		12	11	63						5				
Pterotrachea sp						16	54	17	1				13		5	6	14	11	12	381	23		3				7				
Carinariidae	**0**	**0**	**0**	**0**	**0**	**3**	**120**	**27**	**11**	**12**	**82**	**0**	**1**	**13**	**9**	**15**	**6**	**0**	**3**	**19**	**14**	**0**	**0**	**0**	**0**	**0**	**2**	**2**	**11**	**0**	**0**
Pterosoma planum						3	100	27	11	6	82			2	9	3	6		3	19	14										
Carinaria pseudorugosa							20			6			1	12		12											2	2	11		