

ERRATUM

Limnol. Oceanogr., 55(6), 2010, 2723–2725
© 2010, by the American Society of Limnology and Oceanography, Inc.

Erratum: Thresholds of gross primary production for the metabolic balance of marine planktonic communities

This paper, published in L&O **54**: 1015–1022, contains errors in Table 1. The corrected table is provided here. The errors were small and the corrections do not alter in any way the conclusions of the article.

New references

REGAUDIE-DE-GIOUX, A., AND C. M. DUARTE. 2010. Plankton metabolism in the Greenland Sea during the polar summer of 2007. *Polar Biol.*, doi:10.1007/s00300-010-0792-1

———, R. VAQUER-SUNYER, AND C. M. DUARTE. 2009. Patterns in planktonic metabolism in the Mediterranean Sea. *Biogeochemistry* **6**: 3081–3089, doi:10.5194/bg-6-3081-2009

Carlos M. Duarte and Aurore Regaudie-de-Gioux
Received: 03 August 2010

Table 1. Estimates of the threshold gross primary production separating heterotrophic from autotrophic planktonic communities derived from cross-comparative synthesis studies, times-series, experimental, and modeling studies. GPP = gross primary production; NCP = net community production; R = community respiration; ns = not statistically significant (see text). The units of the GPP intercept and threshold are $\text{mmol O}_2 \text{ m}^{-3} \text{ d}^{-1}$.

Approach and region	Y vs. X	GPP intercept	SE	Slope	SE	R^2 adj	GPP threshold	Reference
Comparative analyses								
NW Indian Ocean	NCP vs. GPP	-3.18	0.33	0.76	0.06	0.83	4.20	Robinson and Williams (1999)
Subtropical Atlantic Gyre	log GPP/R vs. log GPP	0.99	1.22	1.14	0.16	0.65	1.01	González et al. (2001)
Subtropical NE Atlantic	log GPP/R vs. log GPP	0.67	0.16	1.22	0.86	0.53	1.39	Duarte et al. (2001)
N. Atlantic	NCP vs. GPP	-2.56	0.27	1.24	0.10	0.24	2.06	González et al. (2002)
North Sea	NCP vs. GPP	-4.06	0.49	1.22	0.15	0.52	3.32	Robinson et al. (2002a)
Subtropical E Atlantic	NCP vs. GPP	-3.34	0.45	0.94	0.04	0.94	3.56	Robinson et al. (2002b)
Eastern N Atlantic	NCP vs. GPP	-1.83	0.19	0.87	0.04	0.79	2.10	Serret et al. (2002)
N Atlantic	NCP vs. GPP	-1.91	0.15	0.98	0.02	0.98	1.94	Aristegui and Harrison (2002)
Subtropical NE Atlantic	NCP vs. GPP	-1.16	0.26	0.80	0.06	0.63	1.45	N. Navarro et al. (unpubl. data)
Subtropical Atlantic	NCP vs. GPP	-3.32	0.32	2.02	0.22	0.21	1.65	S. Agustí (unpubl. data)
Subtropical NE Atlantic	NCP vs. GPP	-0.63	0.04	0.99	0.01	0.99	0.63	A. Regaudie-de-Gioux (unpubl. Data)
N Atlantic	NCP vs. GPP	-2.06	0.38	0.73	0.05	0.76	2.83	Kiddon et al. (1995)
SW Atlantic coast	NCP vs. GPP	-1.50	0.80	0.83	0.04	0.89	1.81	Schloss et al. (2007)
Southern Ocean	NCP vs. GPP	-1.94	0.25	0.88	0.02	0.92	2.20	Agusti et al. (2004)
Southern Ocean	NCP vs. GPP	-0.45	0.13	0.46	0.05	0.82	0.97	Odate et al. (2002)
Southern Ocean	NCP vs. GPP	-0.74	0.21	0.94	0.03	0.96	0.78	N. Navarro et al. (unpubl. data)
Southern Ocean*	NCP vs. GPP	-0.13	0.06	0.15	0.02	0.31	0.89	Hendricks et al. (2004)
Southern Oceans ^{ns,†}	NCP vs. GPP	-0.27	1.09	0.59	0.07	0.67	0.46	Aristegui et al. (1996)
Arctic Ocean	NCP vs. GPP	-7.11	1.06	1.30	0.13	0.38	5.45	Regaudie-de-Gioux and Duarte (2010)
Subtropical N Pacific	NCP vs. GPP	-1.14	0.33	1.37	0.35	0.16	0.83	Williams and Purdie (1991)
NW Mediterranean Sea	NCP vs. GPP	-1.29	0.18	0.67	0.04	0.73	1.93	Lefevre et al. (1997)
Mediterranean Sea	NCP vs. GPP	-9.67	1.61	1.65	0.30	0.43	5.86	R. Vaquer-Sunyer et al. (see Regaudie-de-Gioux et al. 2009)
Mediterranean Sea	NCP vs. GPP	-3.16	0.41	1.59	0.23	0.29	1.99	Regaudie-de-Gioux et al. (2009)
European coast	NCP vs. GPP	-6.24	0.58	1.08	0.04	0.83	5.76	J. P. Gattuso (unpubl. data)
Global Coastal	log R vs. log GPP	0.46	—	0.72	0.04	0.60	50.60	Duarte and Agustí (1998)
Global	log R vs. log GPP	0.05	0.04	0.50	—	0.42	1.09	Duarte and Agustí (1998)
Global [‡]	log R vs. log GPP	0.04	—	0.62	—	0.46	1.27	Robinson and Williams (2005)
Time series								
Subtropical N Pacific	NCP vs. GPP	-0.56	0.05	0.66	0.08	0.23	0.84	Williams et al. (2004)
Blanes Bay (Mediterranean)	NCP vs. GPP	-7.43	0.40	2.12	0.11	0.00	3.51	Duarte et al. (2004)
Palma Bay (Mediterranean)	NCP vs. GPP	-3.80	0.91	0.96	0.20	0.41	3.97	Navarro et al. (2004)

Table 1. Continued.

Approach and region	Y vs. X	GPP intercept	SE	Slope	SE	R ² adj	GPP threshold	Reference
Experiments								
Mediterranean coast	NCP vs. GPP	-3.81	—	0.92	0.00	0.99	4.14	Duarte et al. (2004)
European coasts [†]	R vs. GPP	2.62	0.00	0.39	0.04	0.82	4.25	Olsen et al. (2006)
Southern Ocean	R vs. GPP	1.26	—	0.59	0.07	0.90	3.07	Agustí and Duarte (2005)
North Pacific	NCP vs. GPP	-1.98	0.84	0.84	0.05	0.97	2.34	MacAndrew et al. (2007)
Modeling								
Atlantic Ocean	ln R vs. ln GPP	0.79	—	0.74	—	0.67	0.41	López-Urrutia et al. (2006)

* Based on the triple-oxygen isotope technique. Areal rates were converted to volumetric using a 50-m mixed-layer depth.

† Primary production from ¹⁴C.

‡ Includes records 1–3, 5–9, 16–19.

§ Based on inverse modeling.

|| Based on Size spectra combined with allometric and metabolic theory to estimate GPP and R.