



Supplement of

DMS gas transfer coefficients from algal blooms in the Southern Ocean

T. G. Bell et al.

Correspondence to: T. G. Bell (tbe@pml.ac.uk)





Supplement of

DMS gas transfer coefficients from algal blooms in the Southern Ocean

T. G. Bell et al.

Correspondence to: T. G. Bell (tbe@pml.ac.uk)





Supplement of

DMS gas transfer coefficients from algal blooms in the Southern Ocean

T. G. Bell et al.

Correspondence to: T. G. Bell (tbe@pml.ac.uk)



Figure A

SOAP gas transfer coefficients plotted as a function of wind speed, with symbol color used to distinguish data above (blue) or below (red) a stability (z/L) threshold of 0.05 (see main text).



Figure B

Wind speed binned frequency distributions of k_{660} during the SOAP cruise illustrating log-normal behavior.





Wind speed binned frequency distributions of ΔC during the SOAP cruise illustrating log-normal behavior.



Figure D

Wind speed binned frequency distributions of F_{DMS} during the SOAP cruise illustrating log-normal behavior.





Wind speed binned frequency distributions of k_{660} during the Knorr_11 cruise illustrating log-normal behavior.



Figure F

Wind speed binned frequency distributions of ΔC during the Knorr_11 cruise illustrating log-normal behavior.



Figure G

Wind speed binned frequency distributions of F_{DMS} during the Knorr_11 cruise illustrating log-normal behavior.



Figure H

SOAP gas transfer coefficients plotted as a function of wind speed, with symbol color indicating ECMWF-retrieved significant wave height.



Figure I

SOAP gas transfer coefficient residuals plotted as a function of wind speed, with symbol color indicating Chl *a*-from the ship's fluorometer.



Figure J

SOAP gas transfer coefficients plotted as a function of wind speed, with symbol color indicating DMS_{sw} RSD (see main text). Colourbar axis restricted to 0.5 to highlight larger RSD values. Maximum value = 2.77.