

Table 1. The DMS concentrations and sea-to-air flux from the major ecological regions of the world ocean.

Ocean region	<i>N</i>	Average DMS (ng sulfur per liter)	Stan- dard devi- ation	Area (10 ⁶ km ²)	Flux (10 ¹² g sulfur per year)
<i>Oligotrophic areas</i>					
Tropical North Atlantic	17	98.1	44.7		
Gulf of Mexico	4	52.3	9.8		
Gulf Stream and Sargasso Sea	80	80.2	22.8		
Brazil Current	63	46.0	15.3		
Tropical North Pacific	25	59.8	10.8		
Total	189	67.1		148.3	10.2
<i>Transitional areas</i>					
North Atlantic (temperate)	44	66.8	28.3	82.8	5.7
<i>Upwelling areas</i>					
Equatorial Zone					
Atlantic	22	70.1	23.3		
Pacific	106	120.4	46.4		
Peru Shelf	132	230.9	235		
Frontal areas					
Bering Sea	13	150.1	152		
Ushant front	17	156.9	38.0		
Rio de la Plata estuary	5	571.0	237		
Total	295	177.1		86.5	15.7
<i>Coastal and shelf zone</i>					
North Sea and English Channel	27	54.9	28.2		
Eastern coast of South America	39	159.4	12.5		
Ecuador Shelf	34	175.4	123		
Total	100	136.6		49.4	6.9
World ocean total	628	102.4		367.1	38.5