

Component	OCS global flux (Gg S year ⁻¹)	Data source
Forests	-430 to -370	No field data exist for deserts
Grasslands	-500 to -200	
Deserts	-24	
Agricultural, excluding rice	-150 to +13	
Freshwater	+0.8 to +12	
Fungus/lichen/mosses	-21 to -8	
Wetlands	-150 to +290	
Ocean	Total: +265 ± 210 OCS direct: +130 ± 80 OCS from oc. CS ₂ : +135 ± 130 OCS from oc. DMS: 0 (+80)	
Anthropogenic	+400 ± 180	For the year 2012, Zumkehr et al. (2018)
Biomass Burning	+116 ± 52	Campbell et al. (2015)
Volcanoes	+25 to +43	
Tropospheric destruction by OH radical	-130 to -82	Berry et al. (2013), Kettle et al. (2002) and Watts (2000)
Stratospheric destruction by photolysis	-80 to -30 or -50 ± 15	Barkley et al. (2008), Chin and Davis (1995), Crutzen (1976), Engel and Schmidt (1994), Krysztofiak et al. (2015), Turco et al. (1980), and Weisenstein et al. (1997)
Remains in the troposphere	+2 to +5	
Total range	-1100 to +900	