Southern Ocean control of silicon stable isotope distribution in the deep Atlantic Ocean

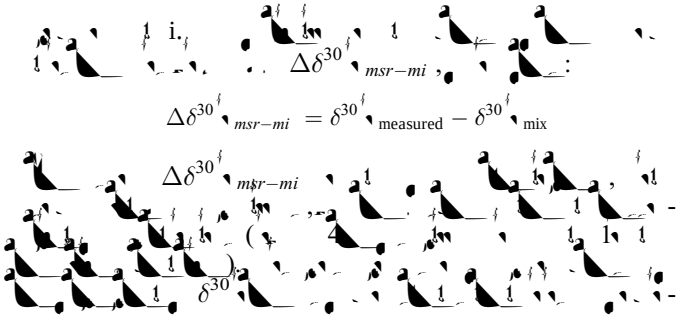
[redacted]

64 31 64 319 Pelagia (– 2010).

Polarstern /3)

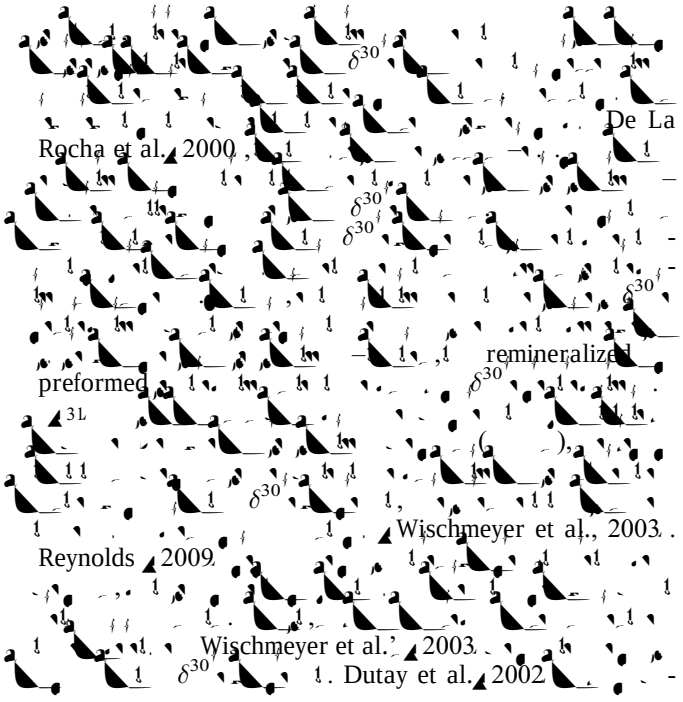
0.45 µ -

(Polarstern), 0.45 µ



Reynolds, 2009; Toggweiler, 1999),

(∼30 μ



(1991), , Limnol.