Total suspended matter concentration

Estimation of total suspended matter concentration (TSM) is following equation,

$$TSM = \left(\frac{R_{rs}(670)}{c_2}\right)^{c_2}$$

where $c_1 = 0.000561$, $c_2 = 0.89638$.

This relationship was obtained from the YOC dataset (Fig.1).

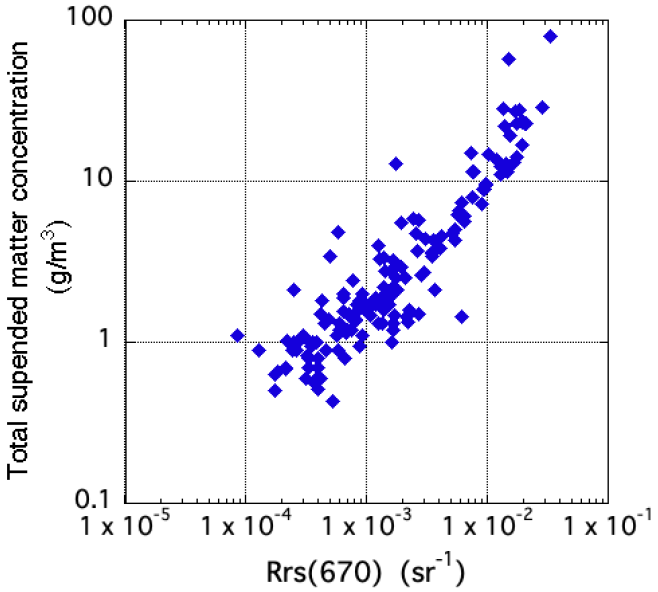

Figure 1 Relationship between Rrs at 670nm and Total suspended matter concentration

Reference:
Toratani M., J. Ishizaka, Y. Kiyomoto, Y.-H. Ahn, S. Yoo, S.-W. Kim, J. Tang (2012), Estimation of total suspended matter from three near infrared bands, Proc. Vol. 8525, Remote Sensing of the Marine Environment II; 85250H https://doi.org/10.1117/12.979669.