

Supplementary Material

Photo-generation and interactive reactions of three reactive species in Seto Inland Sea, Japan

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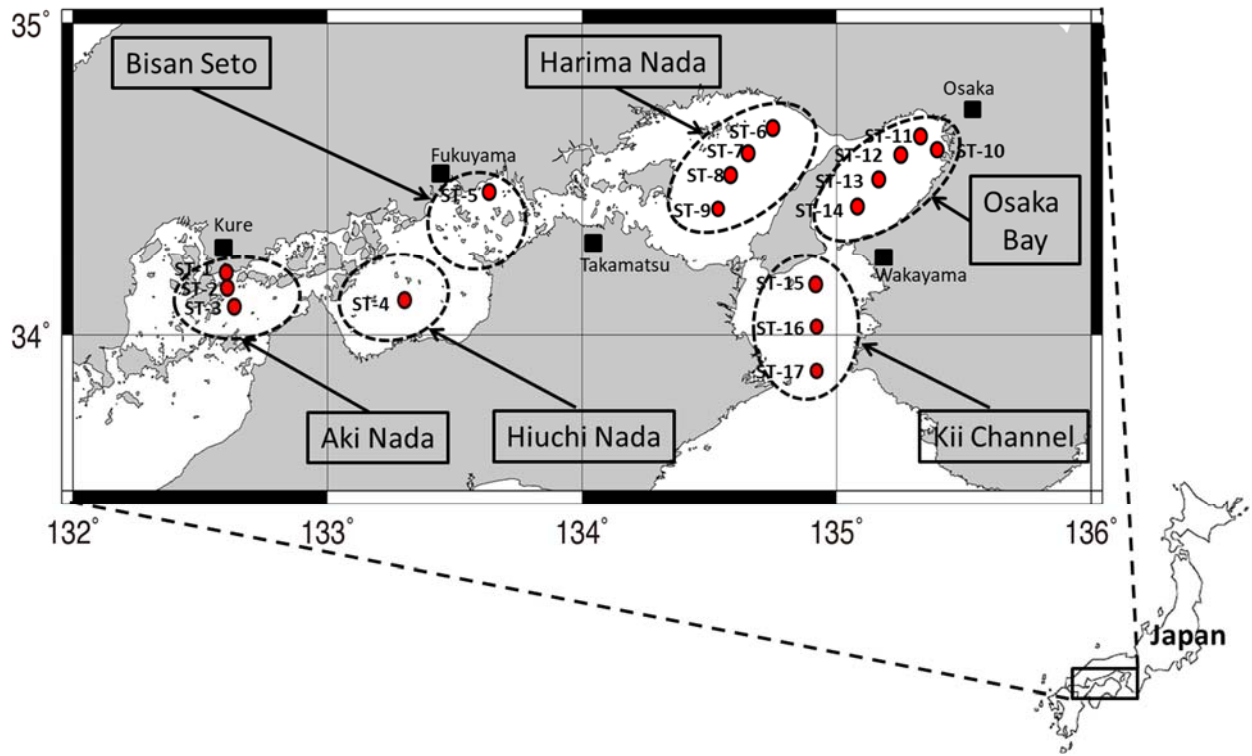


Fig. S1. Sampling stations in the Seto Inland Sea, Japan are represented as round spots on the map. Identification numbers for the stations are prefixed with “ST”.

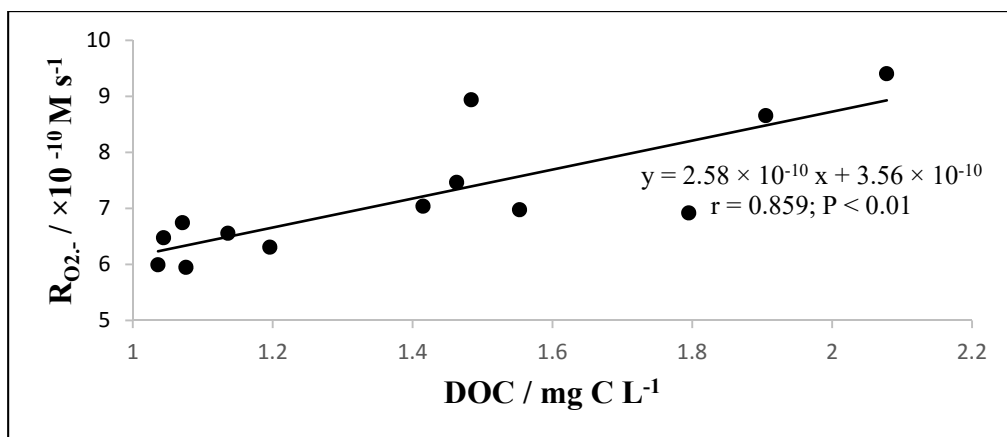


Fig. S2. Correlation between photochemical generation rate of O_2^- and DOC concentration.

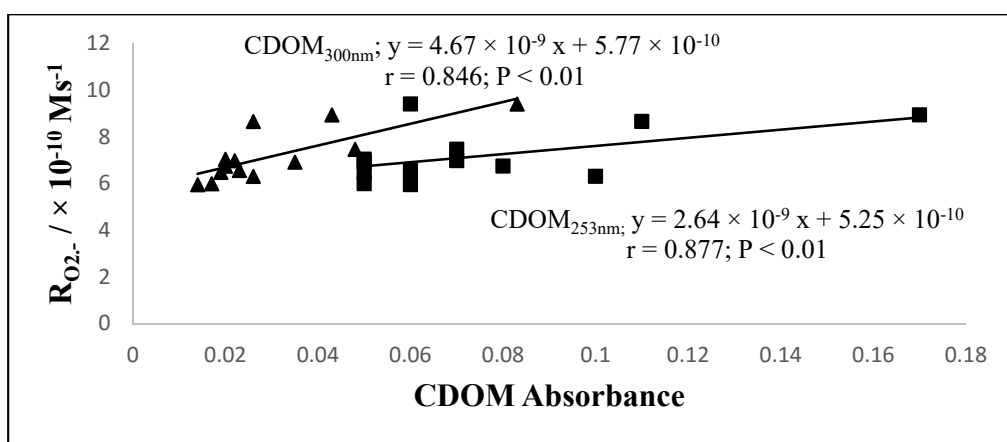


Fig. S3. Plot of CDOM absorbance versus O_2^- photochemical generation rates

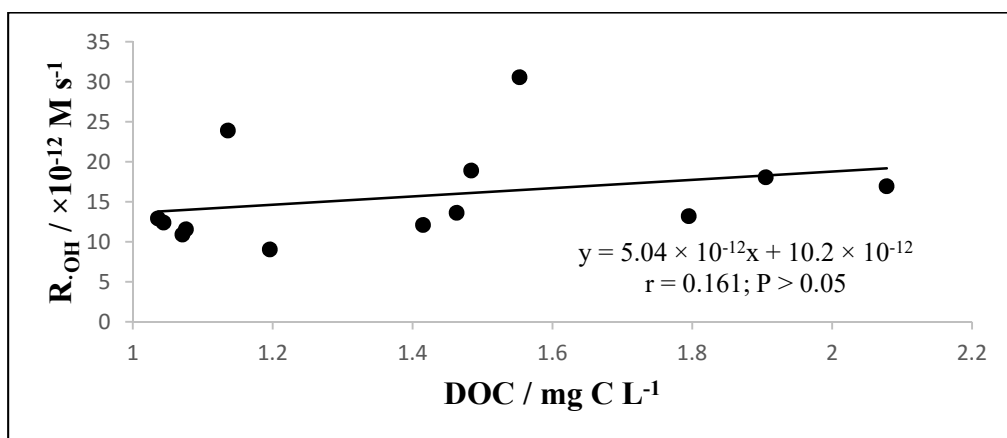


Fig. S4. Correlation between photochemical generation rate of $\cdot\text{OH}$ and DOC concentration.

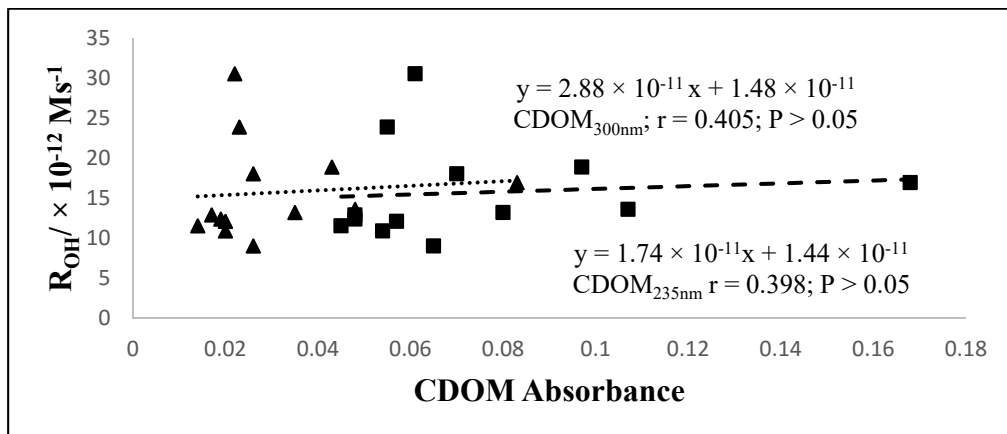


Fig. S5. Plot of CDOM absorbance versus $\cdot\text{OH}$ photochemical generation rates.

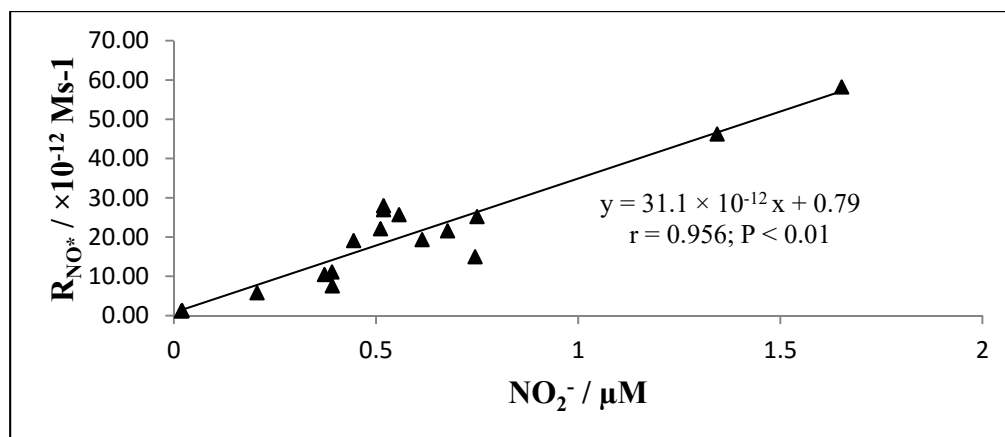


Fig. S6. Correlation between $\text{NO}\cdot$ radical generation rates and NO_2^- concentrations

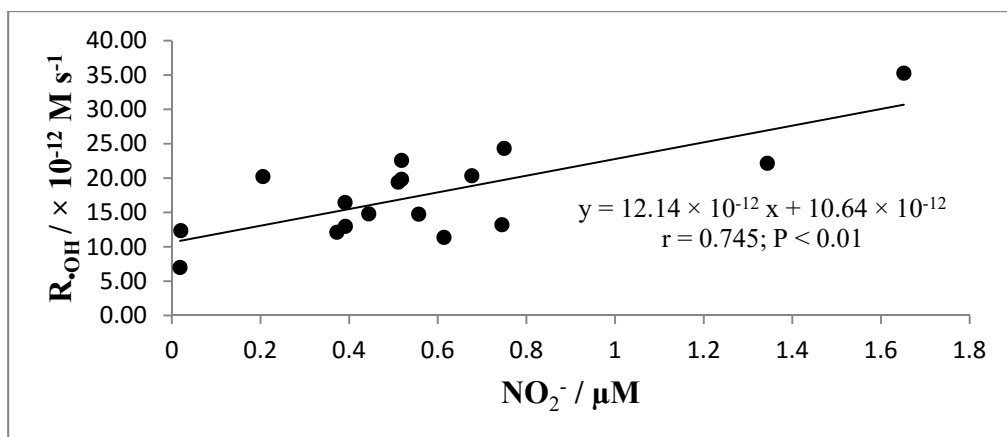


Fig. S7. Correlation between $\cdot\text{OH}$ radical generation rates and NO_2^- concentrations

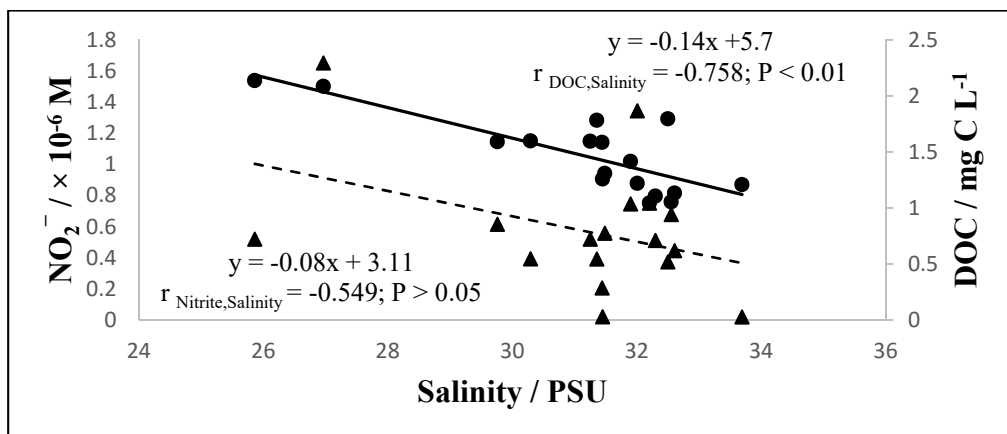


Fig. S8. Plots of NO_2^- and DOC concentrations versus salinity values.