Dataset title:	Particulate total and organic nitrogen concentrations in the water column
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Project:	TONGA
Funded by:	ANR, LEFE, Fond FOF, AMIDEX, IRD
Dataset abstract:	Particulate organic carbon and nitrogen, delta 13C, delta 15N were measured accross trophic and trace metal gradients in the Western Tropical South Pacific to investigate the role of trace metals from shallow underwater volcanoes on such stocks. This includes samples collected on depth profiles taken at 12 stations, including 2 volcanoes and 2 mooring stations

Sampling protocol/ collection details:	Seawater was sampled from go flo bottles attached to a Trace Metal Clean Rosette at 12 stations and 6 depths/station in 4.45 L (gallon) acid-washed polycarbonate bottles. Bottles were immediately filtered on precombusted (450°C, 4h) GF/F filters and stored in precombusted glass vials at -20°C until analysis onshore.
Analytical protocol/ method:	Filters were dried at 60◦C for 24 h before analysis using an elemental analyzer coupled to a mass spectrometer (EA-IRMS, Integra CN, SerCon Ltd) as described in Bonnet et al. (2011). Bonnet, S., Grosso, O., & Moutin, T. (2011). Planktonic dinitrogen fixation along a longitudinal gradient across the Mediterranean Sea during the stratified period (BOUM cruise). Biogeosciences, 8(8).