

	Variable	Unit	N ₂ fixation Spearman's correlation coefficient
Physical and biogeochemical parameters	Pressure	dbar	-0.705*
	Temperature	°C	0.658*
	Salinity	psu	-0.701*
	Oxygen	μmol kg ⁻¹	0.151
	PAR	μmol photons m ⁻² s ⁻¹	0.319*
	NO ₃ ⁻	μmol L ⁻¹	-0.544*
	NH ₄ ⁺	μmol L ⁻¹	-0.024
	DIP	μmol L ⁻¹	-0.770*
	Si(OH) ₄	μmol L ⁻¹	-0.724*
	Dissolved Fe	nmol L ⁻¹	0.398*
	DON	μmol L ⁻¹	0.517*
	DOP	μmol L ⁻¹	0.418*
	DOC	μmol L ⁻¹	0.573*
	PON	μmol L ⁻¹	0.721*
	POC	μmol L ⁻¹	0.723*
	Biogenic silica	μmol L ⁻¹	0.274*
	Chl <i>a</i>	μg L ⁻¹	0.266*
	Primary production	μg C L ⁻¹ h ⁻¹	0.657*
	Bacterial production	μmol C L ⁻¹ h ⁻¹	0.692*
<i>T</i> _{DIP}	days	-0.721*	
Planktonic groups	<i>Trichodesmium</i> sp.	<i>nifH</i> copies L ⁻¹	0.729*
	UCYN-A1	<i>nifH</i> copies L ⁻¹	-0.051
	UCYN-A2	<i>nifH</i> copies L ⁻¹	-0.147
	UCYN-B	<i>nifH</i> copies L ⁻¹	0.511*
	het-1	<i>nifH</i> copies L ⁻¹	0.538*
	het-2	<i>nifH</i> copies L ⁻¹	0.576*
	het-3	<i>nifH</i> copies L ⁻¹	0.276*
	<i>Prochlorococcus</i> sp.	cell mL ⁻¹	0.697*
	<i>Synechococcus</i> sp.	cell mL ⁻¹	0.720*
	Pico-eukaryotes	cell mL ⁻¹	-0.450*
	Bacteria	cell mL ⁻¹	0.780*
	Protists	cell mL ⁻¹	0.680*