

last update: 30 Aug. 2002

Group	Parameter	Method	Unit
CTD	Pressure		dbar
	Temperature		°C
	Dissolved Oxygen		$\mu\text{mol l}^{-1}$
	Downwelling Irradiance (PAR)	Scalar ($2\text{-}\pi$)	W m^{-2} , $\mu\text{Einstein m}^{-2} \text{s}^{-1}$
	Downwelling Irradiance (PAR)	Vector (cosine collector)	W m^{-2} , $\mu\text{Einstein m}^{-2} \text{s}^{-1}$
	Depth in water		m (positive)
	Salinity		- (practical salinity units)
	Fluorescence		$\mu\text{gChl. a l}^{-1}$
	Beam Attenuation Coefficient		m^{-1}
Bottle	Dissolved Oxygen		$\mu\text{mol l}^{-1}$
	Total Inorganic Carbon		$\mu\text{mol l}^{-1}$
	Nitrite	Autoanalyzer, Spectrophotometer (manual)	$\mu\text{mol l}^{-1}$
	Nitrate + Nitrite	Autoanalyzer, Spectrophotometer (manual)	$\mu\text{mol l}^{-1}$
	ortho-Phosphate	Autoanalyzer, Spectrophotometer (manual)	$\mu\text{mol l}^{-1}$
	Silicate	Autoanalyzer, Spectrophotometer (manual)	$\mu\text{mol l}^{-1}$
	Nitrate	Spectrophotometer (manual)	$\mu\text{mol l}^{-1}$
Pigments	Chlorophyllide b	HPLC	ng l^{-1}
	Chlorophyllide a	HPLC	ng l^{-1}
	Chlorophyll c3	HPLC	ng l^{-1}
	Chlorophyll c1+c2 & Chl. Mg 3,8DVP a5	HPLC	ng l^{-1}
	Peridinin	HPLC	ng l^{-1}

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	19' - Butanoyloxyfucoxanthin	HPLC	ng l ⁻¹
	Fucoxanthin	HPLC	ng l ⁻¹
	19' - Hexanoyloxyfucoxanthin	HPLC	ng l ⁻¹
	Prasinoxanthin	HPLC	ng l ⁻¹
	Pyropheophorbide a	HPLC	ng l ⁻¹
	Diadinoxanthin	HPLC	ng l ⁻¹
	Alloxanthin	HPLC	ng l ⁻¹
	Diatoxanthin	HPLC	ng l ⁻¹
	Lutein	HPLC	ng l ⁻¹
	Zeaxanthin	HPLC	ng l ⁻¹
	Chlorophyll b	HPLC	ng l ⁻¹
	Chlorophyll a	HPLC	ng l ⁻¹
	Phaeophytin b	HPLC	ng l ⁻¹
	Phaeophytin a	HPLC	ng l ⁻¹
	α - Carotene	HPLC	ng l ⁻¹
	β - Carotene	HPLC	ng l ⁻¹
	Chlorophyll a	Fluorometric	μg l ⁻¹
	Phaeopigments	Fluorometric	μg l ⁻¹
Mass	Particulate Organic Carbon	CHN	μmol-C l ⁻¹
	Particulate Nitrogen	CHN	μmol-N l ⁻¹

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	Dissolved Organic Carbon	HTCO	$\mu\text{mol-C l}^{-1}$
Phytoplankton	New Production	^{15}N	$\text{nmol-N l}^{-1} \text{d}^{-1}$
Production	Primary Production	^{14}C	$\mu\text{mol-C l}^{-1} \text{d}^{-1}$
	Integrated Primary Production	^{14}C	$\text{mmol-C m}^{-2} \text{d}^{-1}$
Bacteria	Bacteria Plankton Abundance		$10^6 \text{ cells l}^{-1}$
	Bacteria Production	Methyl-tritiated Thymidine	$\text{pmol l}^{-1} \text{h}^{-1}$
	Bacteria Production	Tritiated Leucine	$\text{pmol l}^{-1} \text{h}^{-1}$
Microzooplankton	biomass (as carbon)		$\mu\text{g l}^{-1}$
	herbivory		$\text{mg l}^{-1} \text{d}^{-1}$
Sediment Traps	Mass Flux	Sediment trap	$\text{mg m}^{-2} \text{d}^{-1}$
	Particulate Organic Carbon Flux	Sediment trap	$\text{mg m}^{-2} \text{d}^{-1}$
	Particulate Nitrogen Flux	Sediment trap	$\text{mg m}^{-2} \text{d}^{-1}$
CO₂ system	pCO ₂ in situ		μatm
	pH	seawater scale, NBS scale, TRIS scale	-
	Total Alkalinity (TAlk)		$\mu\text{mol l}^{-1}$
Mesozooplankton	Biomass (as carbon)		$\mu\text{mol l}^{-1}$
	displacement volume		$\mu\text{l l}^{-1}$
	wet mass		$\mu\text{g l}^{-1}$