

parameter code	label	unit	cf standard name
ABCP	alpha and beta-carotenes	milligram/m3	
ALKW	total alkalinity	micromole/kg	
ALKY	total alkalinity	millimole/m3	sea_water_alkalinity_expressed_as_mole_equival
ALTS	altitude	meter	altitude
AMON	ammonium (nh4-n)	millimole/m3	mole_concentration_of_ammonium_in_sea_water
AMOW	ammonium (nh4-n)	micromole/kg	moles_of_ammonium_per_unit_mass_in_sea_wat
ATMP	atmospheric pressure at altitude	hectopascal	air_pressure
ATMS	atmospheric pressure at sea level	hectopascal	air_pressure_at_sea_level
ATPT	atmospheric pressure hourly tendency	hectopascal/hour	tendency_of_air_pressure
AXAP	alloxanthin	milligram/m3	
BACKSCATTERING	backscattering	m-1 sr-1	
BBP532	particle backscattering at 532 nm	m-1	
BBP700	particle backscattering at 700 nm	m-1	
BCCW	number of bacteria cells in sea water	10+9/m3	
BFUP	19'-butanoyloxyfucoxanthin	milligram/m3	
CDOM	cdom	ppb	
CH1P	chlorophyll-a (less divinyl chlorophyll-a)	milligram/m3	
CH1T	total chlorophyll	microgram/kg	
CH2P	chlorophyll-b (less divinyl chlorophyll-b)	milligram/m3	
CHAD	divinyl chlorophyll-a	milligram/m3	
CHAE	epimere chlorophyll-a	milligram/m3	
CHBD	divinyl chlorophyll-b	milligram/m3	
CHC3	chlorophyll-c3	milligram/m3	
CHCZ	chlorophyll-c1+c2	milligram/m3	
CHLB	total chlorophyll-b	milligram/m3	
CHLC	total chlorophyll-c	milligram/m3	
CHLT	total chlorophyll	milligram/m3	mass_concentration_of_chlorophyll_in_sea_water
CICW	number of ciliate cells in sea water	10+3/m3	
CNDC	electrical conductivity	S/m	sea_water_electrical_conductivity
COPP	number of copepods in sea water	count/m3	
CP660	particle beam attenuation at 660 nanometers	m-1	
CPH2	chlorophyll-a >2 micrometers	milligram/m3	
CPH4	chlorophyll-a >10 micrometers	milligram/m3	
CPHL	total chlorophyll-a	milligram/m3	mass_concentration_of_chlorophyll_a_in_sea_wat
DAILY_RAIN	daily rainfall rate	millimeter/day	
DEPH	depth	meter	depth
DEWT	dew point temperature	degree_Celsius	dew_point_temperature
DINW	number of dinophysis specimens in sea water	10+3/m3	
DOWNWELLING_PAR	downwelling photosynthetic active radiation	micromol m-2 s-1	downwelling_photosynthetic_photon_flux_in_sea_
DOWN_IRRADIANCE380	downwelling irradiance at 380 nm	W m-2 nm-1	
DOWN_IRRADIANCE412	downwelling irradiance at 412 nm	W m-2 nm-1	
DOWN_IRRADIANCE490	downwelling irradiance at 490 nm	W m-2 nm-1	
DOX1	dissolved oxygen	ml/l	volume_fraction_of_oxygen_in_sea_water
DOX2	dissolved oxygen	micromole/kg	moles_of_oxygen_per_unit_mass_in_sea_water
DOXY	dissolved oxygen	millimole/m3	mole_concentration_of_dissolved_molecular_oxyg
DRYT	air temperature in dry bulb	degree_Celsius	air_temperature
DXAP	diadinoxanthin	milligram/m3	
ESTUARY_CUR	estuary current speed	meter/second	
EWCT	west-east current component	meter/second	eastward_sea_water_velocity
FCO2	co2 fugacity	microatmosphere	

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FLU2	fluorescence	milligram/m3	
FLU3	fluorescence	FFU	
FLUO	fluorescence	relative unit	
FUCP	fucoxanthin	milligram/m3	
GSPD	gust wind speed	meter/second	wind_speed_of_gust
GYRW	number of gyrodinium specimens in sea water	10+3/m3	
HBAW	number of heterotrophic bacteria cells in sea water	10+6/m3	
HCDT	current to direction relative true north	degree	direction_of_sea_water_velocity
HCSP	horizontal current speed	meter/second	sea_water_speed
HFUP	19'-hexanoyloxyfucoxanthin	milligram/m3	
HOURLY_RAIN	hourly rainfall rate	millimeter/hour	rainfall_rate
LGH4	light irradiance surface par	micromole photon/(m2.s)	
LINC	long-wave incoming radiation	watt/m2	
MSBO	mesozooplankton ash-free dry weight	milligram/m3	
MSZW	mesozooplankton dry weight	milligram/m3	
NFCW	number of nanoflagellate cells in sea water	10+3/m3	
NSCT	south-north current component	meter/second	northward_sea_water_velocity
NTAW	nitrate (no3-n)	micromole/kg	moles_of_nitrate_per_unit_mass_in_sea_water
NTIW	nitrite (no2-n)	micromole/kg	moles_of_nitrite_per_unit_mass_in_sea_water
NTRA	nitrate (no3-n)	millimole/m3	mole_concentration_of_nitrate_in_sea_water
NTRI	nitrite (no2-n)	millimole/m3	mole_concentration_of_nitrite_in_sea_water
NTRZ	nitrate + nitrite	millimole/m3	mole_concentration_of_nitrate_and_nitrite_in_sea_water
NTZW	nitrate + nitrite	micromole/kg	moles_of_nitrate_and_nitrite_per_unit_mass_in_sea_water
OSAT	oxygen saturation	%	fractional_saturation_of_oxygen_in_sea_water
PCEW	number of picoeukaryote cells in sea water	10+6/m3	
PCO2	co2 partial pressure	microatmosphere	surface_partial_pressure_of_carbon_dioxide_in_sea_water
PERP	peridinin	milligram/m3	
PETD	daily potential evapotranspiration	millimeter/day	
PHE2	pheophytin >2 micrometers	milligram/m3	
PHE4	pheophytin >10 micrometers	milligram/m3	
PHEA	pheophytin-a	milligram/m3	
PHEB	pheophytin-b	milligram/m3	
PHEC	pheophytin-c	milligram/m3	
PHOS	phosphate (po4-p)	millimole/m3	mole_concentration_of_phosphate_in_sea_water
PHOW	phosphate (po4-p)	micromole/kg	moles_of_phosphate_per_unit_mass_in_sea_water
PHPH	ph	none	sea_water_ph_reported_on_total_scale
PHTP	total pheophytin	milligram/m3	
PHYC	phycocyanin	milligram/m3	
POTENTIAL_TEMP	sea potential temperature	degree_Celsius	sea_water_potential_temperature
PRCW	number of prochlorococcus cells in sea water	10+6/m3	
PRES	sea pressure	decibar	sea_water_pressure
PRRD	daily precipitation rate	millimeter/day	
PRRT	hourly precipitation rate	millimeter/hour	lwe_precipitation_rate
PSAL	practical salinity	psu	sea_water_salinity
PXAP	prasinoxanthin	milligram/m3	
RDIN	incident radiation	watt/m2	
RELH	relative humidity	%	relative_humidity
RVFL	river flow rate	m3/second	water_volume_transport_into_sea_water_from_river
SCATTERING	scattering	m-1 sr-1	
SECC	secchi disk depth	meter	secchi_depth_of_sea_water

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SIGMA_THETA	sea sigma-theta	kg/m3	sea_water_sigma_theta
SLCA	silicate (sio4-si)	millimole/m3	mole_concentration_of_silicate_in_sea_water
SLCW	silicate (sio4-si)	micromole/kg	moles_of_silicate_per_unit_mass_in_sea_water
SLEV	observed sea level	meter	sea_surface_height_above_sea_level
SLVR	residual sea level (observed - predicted)	meter	sea_surface_height_correction_due_to_air_pressu
SNCW	number of synechococcus cells in sea water	10+6/m3	
SSAL	salinity (pre-1978 definition)	g/kg	
SSJT	sea temperature from tsg	degree_Celsius	
SVEL	sound velocity	meter/second	speed_of_sound_in_sea_water
SWDR	swell direction rel true n.	degree	
SWHT	swell height	meter	
SWPR	swell period	second	
TEMP	sea temperature	degree_Celsius	sea_water_temperature
TEMP_CO2	sea temperature from carbon sensor	degree_Celsius	
TEMP_DOXY	sea temperature from oxygen sensor	degree_Celsius	temperature_of_sensor_for_oxygen_in_sea_water
TPAW	dissolved adenosine triphosphate	milligram/m3	
TPHP	total pheopigments	milligram/m3	
TRANSMISSIVITY	transmissivity	per meter	
TSMP	total suspended matter	gram/m3	mass_concentration_of_suspended_matter_in_sea
TUR2	light attenuation coefficient	m-1	
TUR3	light transmission	%	
TUR4	turbidity	ntu	sea_water_turbidity
TUR5	turbidity	relative unit	
TUR6	turbidity	milliF.T.U Formaz Turb Unit	
TXAP	diatoxanthin	milligram/m3	
UDOX	dissolved oxygen (deprecated)	unknown	
USAL	undefined salinity	unknown	
VAVH	aver. height highest 1/3 wave	meter	
VAVT	aver. period highest 1/3 wave	second	
VCMX	max crest trough wave height	meter	
VCSP	bottom-top current component	meter/second	upward_sea_water_velocity
VDIR	wave direction rel. true north	degree	sea_surface_wave_from_direction
VEPK	wave spectrum peak energy	m2 second	
VHM0	spectral signif. wave height	meter	
VMAT	max period highest 1/3 wave	second	
VPED	wave spectrum peak energy dir.	degree	
VPSP	dir. spreading at wave peak	degree	
VSMC	spect. moment(0,2) wave period	second	
VTDH	significant wave height	meter	sea_surface_wave_significant_height
VTPK	wave spectrum peak period	second	
VTZA	aver zero crossing wave period	second	sea_surface_wave_zero_upcrossing_period
VTZM	period of the highest wave	second	
WBFO	beaufort wind force	none	beaufort_wind_force
WDIR	wind from direction relative true north	degree	wind_from_direction
WETT	air temperature in wet bulb	degree_Celsius	wet_bulb_temperature
WSPD	horizontal wind speed	meter/second	wind_speed
WSPE	west-east wind component	meter/second	eastward_wind
WSPN	south-north wind component	meter/second	northward_wind
WTODIR	wind to direction relative true north	degree	wind_to_direction
WV_MAX_HGT	maximum wave height	meter	

parameter code	label	unit	cf standard name
WV_MAX_PER	maximum wave period	second	
WV_SIG_DIR	significant wave direction	degree	
WV_SIG_PER	significant wave period	second	
XXXX	bisulfide (hs-)	micromole/kg	
ZXAP	zeaxanthin	milligram/m3	