

Observations and Measurements

Field Names List

Parameter	Description	Units
date	day, month, year (GMT time) e.g. 26/11/11. Name changed from "GMT date" to "date" during data processing. Format is dd/mm/yy.	dd/mm/yy
time_gmt	Time GMT, 24 hour clock. Name changed from "GMT time" to "time_gmt" during data processing. Values converted from hh:mm:ss format to hhmm.ss format.	decimal hours
lat	Latitude, negative = South. Name changed from "PCOD latitude" to "lat" during data processing.	decimal degrees
lon	Longitude, negative = West. Name changed from "PCOD longitude" to "lon" during data processing.	decimal degrees
sog	Speed over ground. Name changed from "Ships speed" to "sog" during data processing.	knots
gps_hdop	Horizontal Dilution of Position is an indicator of the precision of the GPS measurement. The lower the number, the more precise the position. Name changed from "GPS HDOP" to "gps_hdop" during data processing.	-
head	The ship's heading, measured by the Gyroscope. Name changed from "Gyro Heading" to "head" during data processing.	Degrees(azimuth)
cog	Course over ground. Name changed from "Course over ground" to "cog" during data processing.	Degrees(azimuth)
PAR_mast	Downwelled Photosynthetically Available Radiation 400-700nm (PAR), sensor package mounted on ship's science mast. Name changed from "Mast PAR" to "PAR_mast" during data processing.	$\mu\text{E}/\text{m}^2/\text{sec}$
temp_ss	Sea surface temperature. Name changed from "Sea surface temperature" to "temp_ss" during data processing.	degrees C
sal_ss	Sea surface salinity. Name changed from "Sea surface salinity" to "sal_ss" during data processing.	PSU

Parameter	Description	Units
wind_speed	Wind speed (true, port windbird). Name changed from "True wind speed" to "wind_speed" during data processing.	meters/sec
wind_dir	Wind direction (true, port windbird). Name changed from "True wind direction" to "wind_dir" during data processing.	degrees(azimuth)
temp_air	Ambient air temperature. Name changed from "Ambient air temperature" to "temp_air" during data processing.	degrees C
rel_hum	Relative humidity. Name changed from "Relative humidity" to "rel_hum" during data processing.	%
air_press	Barometric pressure. Name changed from "barometric pressure" to "air_press" during data processing.	milliBars
PIR	Long wave radiation, using a Precision Infrared Radiometer.	watts/meters ²
PSP	Short wave radiation, using a Precision Spectral Pyranometer.	watts/meters ²
yday	Jan. 1 = yday 0. GMT day and decimal time, as 325.5 for the 326th day of the year, or November 22 at 1200 hours (noon). Values derived from the "date" field.	integer
depth_w	Sea depth, uncorrected, calc. sw sound vel. 1500 m/s. Name changed from "Sea depth" to "depth_w" during data processing.	m
fluor_ss	Sea surface fluorometry. Name changed from "Sea surface fluorometry" to "fluor_ss" during data processing.	volts (0-5 FSO)
month_gmt	Month, GMT. Values derived from the "date" field.	mm
day_gmt	Day, GMT. Values derived from the "date" field.	dd