

## ***In situ* fluorometer data series at the southern North Sea site**

### **Principal Investigator and Data Originator**

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The *in situ* fluorometers, both from the Dunstaffnage Marine Laboratory, Oban, UK, were deployed at the main mooring site (Site A) on Rig G and Rig H alongside transmissometers and nutrient analysers.

This report contains the qualifying documentation and header information associated with the following data series extracted from the BODC database:

Series Reference	Data Type	Latitude deg min	Longitude deg min	Start Date yyyy/mm/dd	Sea Floor Depth m	Sensor Depth m
541895	PC	52 18.0 N	004 18.0 E	1999/03/30	18.0	10.0
541902	PC	52 17.9 N	004 18.0 E	1999/03/29	19.0	1.0

where Data Type PC = Hydrography time series at depth

Parameter	Unit	Parameter code	Comments	
			541895	541902
Chlorophyll	$\mu\text{g.l}^{-1}$	CPHLPR01	none	none
Corrected fluorometer counts	dimensionless	FCNTDC01	none	none

The following single character qualifying flags may be associated with one or more individual parameters within a data cycle:

<u>Flag</u>	<u>Description</u>
	Unqualified
<	Below detection limit
>	In excess of quoted value
B	Beginning of CTD Down/Up Cast
D	Thermometric depth
E	End of CTD Down/Up Cast
K	Uncertain/suspect value
L	Improbable value - originator's quality control
M	Improbable value - BODC quality control
N	Null value
O	Improbable value - user quality control
P	Trace/calm
Q	Indeterminate
R	Replacement value
S	Estimated value
T	Interpolated value
U	Uncalibrated
W	Control value
X	Excessive difference

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**INFORMATION FOR BODC SERIES REF. NO. 541895**

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Time Series Inventory Number : 10505

Start Time : 30 Mar 1999 1100 GMT  
End Time : 18 May 1999 1300 GMT

Latitude : 52deg 18.0min N  
Longitude : 004deg 18.0min E

Nominal Cycle Interval : 7200.0 secs

Sensor Depth : 10.00m  
Sea Floor Depth : 18.00m

Positional Uncertainty : 0.1 to 0.5 n.miles  
Sea Floor Datum : Instantaneous  
Sensor Depth Datum : Sea floor reference  
Disposition of Sensors : Sensor fixed, measurements made at fixed depths

Project : Provess

Data Category : Hydrography time series at depth  
Instrument Type : Fluorescence measurements  
Instrument Mounting : Subsurface mooring - subsurface buoyancy  
Originator Laboratory : Dunstaffnage Marine Lab., Oban, UK  
Originator's Identifier : fl007\_824

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The following additional documents apply to this series:

[79516](#); Data processing and calibration  
[63428](#); General Data Screening carried out by BODC  
[70186](#); Fluorometer Instrumentation  
Data Activity Document: [78072](#)  
Project Document : [77554](#)

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**INFORMATION FOR BODC SERIES REF. NO. 541902**

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Time Series Inventory Number : 10504

Start Time : 29 Mar 1999 1700 GMT  
End Time : 18 May 1999 1100 GMT

Latitude : 52deg 17.9min N  
Longitude : 004deg 18.0min E

Nominal Cycle Interval : 7200.0 secs

Sensor Depth : 1.00m  
Sea Floor Depth : 19.00m

Positional Uncertainty : 0.1 to 0.5 n.miles  
Sea Floor Datum : Instantaneous  
Sensor Depth Datum : Sea floor reference  
Disposition of Sensors : Sensor fixed, measurements made at fixed depths

Project : Provess

Data Category : Hydrography time series at depth  
Instrument Type : Fluorescence measurements  
Instrument Mounting : Subsurface mooring - surface buoyancy  
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK  
Originator's Identifier : fl012\_823

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The following additional documents apply to this series:

[79516](#); Data processing and calibration  
[63428](#); General Data Screening carried out by BODC  
[70186](#); Fluorometer Instrumentation  
Data Activity Document: [78072](#)  
Project Document : [77554](#)

## **PARAMETERS**

Parameter : AADYAA01 (TIME)  
Description : Day number  
Method : Computation  
Units : Days (1760/01/01 = day 0)

Parameter : AAFDZZ01 (TIME)  
Description : Day fraction (GMT)  
Method : Computation  
Units : Days

Parameters AADY/AAFD are usually supplied as date and time (GMT).

Parameter : CPHLPR01 (PIGS)  
Description : In-situ fluorometer chlorophyll  
Method : Calibrated in-situ fluorometer  
Units : milligrams/cubic metre

Parameter : FCNTDC01 (PIGS)  
Description : Dark current baseline corrected fluorometer count  
Method : In-situ Aquatracka fluorometer  
Units : Dimensionless