

## POL Bottom Pressure data series at the northern North Sea site

### Principal Investigator

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### Data Originator

Phil Knight – POL.

Bottom pressure recorders were deployed at four locations during the northern North Sea experiment (NNS): at the main mooring site A on Rig A and at the three secondary sites U, X and Y. All were deployed during the first NNS cruise Valdivia VA174 and recovered during the last NNS cruise Challenger CH140.

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
518087	PC	59 19.9 N	001 40.3 E	1998/09/07	120.0	119.5
518099	PC	59 45.0 N	001 00.1 E	1998/09/08	121.0	120.5
518106	PC	59 20.0 N	001 25.1 E	1998/09/07	107.0	106.5
518118	PC	59 19.7 N	001 00.2 E	1998/09/08	110.0	109.5

where Data Type PC = Hydrography time series at depth

Parameter	Unit	Parameter code	Comments			
			518087	518099	518106	518118
Pressure	db	PRESPS01	none	none	none	warning
Temperature	deg. C	TEMPPR01	none	none	none	warning

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

Flag	Description
	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. 518087**

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Time Series Inventory Number : 10189

Start Time : 07 Sep 1998 1030 GMT

Latitude : 59deg 19.9min N

End Time : 02 Nov 1998 0840 GMT

Longitude : 001deg 40.3min E

Nominal Cycle Interval : 10.0 minutes

Sensor Depth : 119.50m

Sea Floor Depth : 120.00m

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 : Temperature and/or pressure time series

Instrument Mounting : Sea floor - fixed

Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK

Originator's Identifier : wr0444.806

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The following additional documents apply to this series:

[63428](#); General Data Screening carried out by BODC

[67867](#); Aanderaa Bottom Pressure Recorders

Data Activity Document: [77568](#)

Project Document : [77554](#)

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**INFORMATION FOR BODC SERIES REF. NO. 518099**

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Time Series Inventory Number : 10190

Start Time : 08 Sep 1998 1510 GMT

Latitude : 59deg 45.0min N

End Time : 03 Nov 1998 0830 GMT

Longitude : 001deg 00.1min E

Nominal Cycle Interval : 10.0 minutes

Sensor Depth : 120.50m

Sea Floor Depth : 121.00m

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 : Temperature and/or pressure time series

Instrument Mounting : Sea floor - fixed

Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK

Originator's Identifier : wr0445.807

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The following additional documents apply to this series:

[63428](#); General Data Screening carried out by BODC

[67867](#); Aanderaa Bottom Pressure Recorders

Data Activity Document: [77568](#)

Project Document : [77554](#)

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**INFORMATION FOR BODC SERIES REF. NO. 518106**

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Time Series Inventory Number : 10188

Start Time : 07 Sep 1998 1140 GMT

Latitude : 59deg 20.0min N

End Time : 02 Nov 1998 1030 GMT

Longitude : 001deg 25.1min E

Nominal Cycle Interval : 10.0 minutes

Sensor Depth : 106.50m

Sea Floor Depth : 107.00m

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 : Provens

Data Category : Hydrography time series at depth

Instrument Type : Temperature and/or pressure time series

Instrument Mounting : Sea floor - fixed

Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK

Originator's Identifier : wr1038.804

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The following additional documents apply to this series:

[63428](#); General Data Screening carried out by BODC

[67867](#); Aanderaa Bottom Pressure Recorders

Data Activity Document: [77568](#)

Project Document : [77554](#)

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**INFORMATION FOR BODC SERIES REF. NO. 518118**

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Time Series Inventory Number : 10187

Start Time : 08 Sep 1998 0910 GMT

Latitude : 59deg 19.7min N

End Time : 02 Nov 1998 1500 GMT

Longitude : 001deg 00.2min E

Nominal Cycle Interval : 10.0 minutes

Sensor Depth : 109.50m

Sea Floor Depth : 110.00m

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 : Temperature and/or pressure time series

Instrument Mounting : Sea floor - fixed

Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK

Originator's Identifier : wr1357.790

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The following **warning** applies to this series:

A drop in bottom pressure of 0.5 db occurred on 04/10/1998 at 22:00.

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The following additional documents apply to this series:

[63428](#); General Data Screening carried out by BODC

[67867](#); Aanderaa Bottom Pressure Recorders

Data Activity Document: [77568](#)

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) or as parameters ADATAA01 and AHMSAA01.

Parameter : ADATAA01 (TIME)  
Description : Date in format yyyyymmdd  
Method : Computation  
Units : Years Months Days (yyyyymmdd)

Parameter : AHMSAA01 (TIME)  
Description : Time in format hh24miss  
Method : Computation  
Units : Hours Minutes Seconds

Parameter : PRES01 (HYDR)  
Description : Sea pressure (fixed)  
Method : Fixed pressure sensor (e.g. SFPG)  
Units : Decibars

Parameter : TEMPPR01 (HYDR)  
Description : Sea temperature (unspecified)  
Method : Unspecified temperature probe  
Units : Degrees Centigrade