

POL thermistor chain data series at the northern North Sea site

Principal Investigator

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The two thermistor chains from the Proudman Oceanographic Laboratory were deployed at sites S (Rig S) and R (Rig R) during the cruise Valdivia VA174 at the beginning of the northern North Sea experiment and recovered during the last cruise Challenger CH140. A third thermistor chain, deployed by POL at the main mooring site A (Rig L) was lost. Another thermistor chain, from the Netherlands Institute of Sea Research (NIOZ), was deployed close to the main mooring site A on the NIOZ rig and has been documented separately ([nns_nioztc](#)).

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
529221	PC	59 22.5 N	001 00.0 E	1998/09/10	115.0	39.3
529233	PC	59 20.0 N	001 05.0 E	1998/09/10	113.0	37.3

where Data Type PC = Hydrography time series at depth

Parameter	Unit	Parameter code	Comments	
			529221	529233
Depth (*)	m	DEPHTC01	none	none
Temperature	deg. C	TEMPTC01	none	none

(*) During transfer to BODC's format, sensor's height above sea floor was converted to sensor's depth below sea surface by subtracting sensor's height from sea floor depth as given above.

BODC Data Documentation
PROVESS Project MAS3-CT97-015

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

INFORMATION FOR BODC SERIES REF. NO. 529221

Time Series Inventory Number : 10161

Start Time : 10 Sep 1998 1420 GMT

End Time : 29 Sep 1998 0520 GMT

Latitude : 59deg 22.5min N

Longitude : 001deg 00.0min E

Nominal Cycle Interval : 300.0 secs

Minimum Depth : 39.32m

Maximum Depth : 79.32m

Sea Floor Depth : 115.00m

Positional Uncertainty : 0.1 to 0.5 n.miles

Sea Floor Datum : Instantaneous

Sensor Depth Datum : Sea floor reference

Disposition of Sensors : Scattered at fixed depths

Project : Provess

Data Category : Hydrography time series at depth

Instrument Type : Thermistor chain

Instrument Mounting : Subsurface mooring - subsurface buoyancy

Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK

Originator's Identifier : AT2331.803

The following additional documents apply to this series:

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

[67001](#); Aanderaa Thermistor Chain

Data Activity Document: [77568](#)

Project Document : [77554](#)

INFORMATION FOR BODC SERIES REF. NO. 529233

Time Series Inventory Number : 10160

Start Time : 10 Sep 1998 1225 GMT

End Time : 01 Nov 1998 0900 GMT

Latitude : 59deg 20.0min N

Longitude : 001deg 05.0min E

Nominal Cycle Interval : 300.0 secs

Minimum Depth : 37.32m

Maximum Depth : 87.32m

Sea Floor Depth : 113.00m

Positional Uncertainty : 0.1 to 0.5 n.miles

Sea Floor Datum : Instantaneous

Sensor Depth Datum : Sea floor reference

Disposition of Sensors : Scattered at fixed depths

Project : Provess

Data Category : Hydrography time series at depth

Instrument Type : Thermistor chain

Instrument Mounting : Subsurface mooring - subsurface buoyancy

Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK

Originator's Identifier : AT2334.802

The following additional documents apply to this series:

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

[67001](#); Aanderaa Thermistor Chain

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 : TEMPTC01 (HYDR)
Description : Sea temperature (thermistor chain)
Method : In-situ thermistor
Units : Degrees Centigrade