

NIOZ Fast Thermistor String data series at the southern North Sea site

Principal Investigator

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Data Originator

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The NIOZ Fast Thermistor String was deployed on NIOZ bottom frame, moored at the main mooring site A during the southern North Sea experiment from March to April 1999. The rig, which also held a wave-and-tide recorder and an ADCP, was deployed and recovered by NIOZ during the cruise Pelagia PE136.

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 |
|------------------|-----------|------------------|-------------------|-----------------------|-------------------|----------------|
| 553301 | PC | 52 18.1 N | 004 18.0 E | 1999/04/01 | 19.0 | 8.2 |

where Data Type PC = Hydrography time series at depth

| Parameter | Unit | Parameter code | Comments |
|------------------------|-------|----------------|----------|
| Height above sea floor | m | AHSFZZ01 | none |
| Temperature | deg.C | TEMPTC01 | none |

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 |

INFORMATION FOR BODC SERIES REF. NO. 553301

Time Series Inventory Number : 10681

Start Time : 01 Apr 1999 1609 GMT
End Time : 08 Apr 1999 1605 GMT

Latitude : 52deg 18.1min N
Longitude : 004deg 18.0min E

Nominal Cycle Interval : 20.0 secs

Minimum Depth : 8.23m
Maximum Depth : 17.23m
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 : Scattered at fixed depths

Project : Provess

Data Category : Hydrography time series at depth
Instrument Type : Thermistor chain
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Netherlands Institute for Sea Research
Originator's Identifier : TCHN/PVS99

Additional information stored with the data:

Thermistor string data processing (NIOZ, The Netherlands):
Temperatures are interpolated onto fixed depths thereby correcting for sensor depth variation caused by the swaying of the thermistor string.

The following additional documents apply to this series:

[63428](#); General Data Screening carried out by BODC
[82424](#); NIOZ Fast Thermistor String (NFTS)
[82438](#); Calibration of the NIOZ Fast Thermistor String (NFTS)
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) 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