SES Moored Instrument Data Documentation

Oceanographic measurements are rarely taken as isolated spot readings. Most oceanographic instrument systems take simultaneous measurements of a number of different parameters and the same set of measurements is taken repeatedly at specific intervals in space and/or time. The data taken during one repetition of the basic measuring sequence is usually called a datacycle and the repetition of this cycle builds up into what is collectively called a data series. The composition of a datacycle depends not only on the manner in which the data have been collected but also on the manner in which they have been subsequently processed. In most cases, the length of a series is set naturally by the period between the deployment and recovery of the instrument package. However, where the data are collected over a long period at a fixed location, it is often convenient to split the data into series on the basis of date (e.g. treating data for each year as a separate series); or whenever the instrumentation or methods of measurement change; or maybe where there is a significant break in the data measurement programme.

The BODC database is built as a collection of data series and was designed to reflect the manner in which the data were originally collected and processed. It is a generalised system capable of accommodating a full range of different types of oceanographic data irrespective of the particular parameters measured. A description of the parameters included within the datacycles of a given series is stored with the data. Each series has associated with it a series header containing information common to the series as a whole. The layout of the header is independent of the type of data and includes such information as: the reference number assigned to the series by BODC; the originator's identifiers for the series; date/time at the start and end of the series; information on the geographic latitude, longitude and depth of the instrument; depth of the sea floor if the instrument is at a fixed location; the nominal interval between datacycles etc. Also included are coded entries to identify the originating laboratory, the type of data, the type of instrument and instrument mounting, the position fixing uncertainty and the depth datum.

Also stored with the data are plain language narrative records documenting the circumstances under which the data were collected, including information on the measuring and processing procedures, the instrumentation and its calibration and performance; the type of mooring; the quality of the data; any problems encountered with the data etc. The narrative records are grouped into what are called documents and each document is given a unique reference number. On the BODC database, each series has associated with it a list of document reference numbers addressing the plain language documentation relevant to that series. A given document may contain

information which is either specific to a single series or is generally applicable to a number of series.

There are four types of document:

a) Warning documents: these are to warn the user that fundamental errors/problems have been found in the data and that they should be used with extreme caution.

b) Caution documents: intended to alert the user that some problems have been noted with the data - these may not invalidate use of the data but the user should take them into account.

c) Basic documents: simple units of plain language text which, when concatenated together, provide the series documentation.

d) Headed documents: longer documents with detailed information on standard procedures or instruments - the first line of these documents contains a title.

Data documentation is based on the information that is supplied to BODC - this varies from comprehensive data reports to short hand-written notes. In some cases, insufficient information is available for the data to be fully documented. There is little that BODC can do to improve the inherent quality of the data it banks. This is dependent on the procedures and methods used by the data originator, and the care that he or she takes in making and processing their measurements. However, prior to loading data onto its database, BODC carries out a set of data screening procedures aimed at detecting significant errors or problems with the data. Any suspect properties detected are documented in the form of warning or caution documents.

Whilst every care has been taken to ensure that the data and information supplied are reliable, errors may go undetected on occasions. Should you detect any problems please do not hesitate to let us know.

Documentation Index

The SES moored instrument data set includes over 250 series. These have been indexed and documented by instrument type to ease navigation through this document. The same classification has been used to subdivide the data files on the CD-ROM into subdirectories. For convenience, the subdirectory names have been included in brackets after each classification title.

The instrument type classes that have been set up are:

Acoustic Doppler Current Profilers (ADCP)

Fluorometers and Transmissometers (FLTRANS)

Meteorological Instruments (MET)

Recording Current Meters (RCM)

Electromagnetic Current Meters (S4)

Sea Floor Pressure Gauges (SFPG)

STABLE (STABLE)

Thermistor Chains (TCHN)

Temperature Probes (TPROBE)

Waveriders (WAVE)

Each section starts with a table summarising the header information for all the series of that type. Hot links from the Series Reference Number field go to a page that provides further information on the series, including any cautions or warnings. Further links from here lead to the detailed documentation for the series.

Users are reminded of the importance of the Series Reference Number. It is the most convenient reference for identifying a given series as a data file on the CD-ROM (it forms part of the filename) or it may be selected through the BODC Mooring Explorer software. It is therefore well worth keeping a note of the Series References of interest when searching for moored instrument data.

Acoustic Doppler Current Profiler Index

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

Series Ref	Data Type	Latitude deg min	Longitude deg min	Start Date yyyy/mm/dd	Sea Floor Depth m	Sensor Depth m
444185	LA	56 26.7 N	009 03.1 W	1995/08/11	202.0	14.5
444197	LA	56 27.8 N	008 58.0 W	1995/09/04	146.0	13.5
444204	LA	56 27.6 N	008 57.9 W	1995/05/08	150.0	17.5
444216	LA	56 27.6 N	008 58.0 W	1995/08/17	147.0	14.5
444228	LA	56 27.2 N	009 04.8 W	1995/08/12	397.0	7.0
444241	LA	56 26.9 N	008 59.0 W	1995/11/19	147.0	14.5
444253	LA	56 27.2 N	009 04.8 W	1995/09/06	396.0	22.0
444265	LA	56 27.2 N	009 04.8 W	1995/12/06	396.0	22.0
477191	LA	56 27.7 N	008 11.2 W	1996/07/12	149.0	16.5
477209	LA	56 27.5 N	008 57.6 W	1996/04/24	149.0	16.5
477210	LA	56 27.6 N	008 57.7 W	1996/07/13	150.0	17.5
477222	LA	56 27.3 N	009 04.9 W	1996/07/14	412.0	46.0
489769	LA	56 27.5 N	008 57.8 W	1996/02/01	147.0	14.5
489770	LA	56 27.3 N	009 04.9 W	1996/02/05	396.0	74.0
489782	LA	56 25.0 N	009 05.0 W	1996/02/22	259.0	29.0
491878	LA	56 27.8 N	009 07.6 W	1996/07/13	595.0	217.5

where Data Type LA = Currents -subsurface Eulerian

INFORMATION FOR BODC SERIES REF. NO. 444185

==========

Time Series Inventory Number : 8751

Start Time :	11 Aug 1995 0816 GMT	Latitude :	56deg 26.7min N
End Time :	03 Sep 1995 1800 GMT	Longitude :	009deg 03.1min W

Nominal Cycle Interval :	120.0 secs	Minimum Depth :	14.50m
Maximum Depth :	189.50m	Sea Floor Depth :	202.00m

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 : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Moored acoustic doppler current meter
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : bb1148.696

==========

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

1) **Users are advised that data in the upper 20% of the water column should be treated with great care. These data are generally noisier than those collected from nearer the transducer.**

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
68541; RDI Acoustic Doppler Current Profiler
Data Activity Document : 68494
Fixed Station Document : 65223
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 444197

==========

Time Series Inventory Number : 8780

Start Time :	04 Sep 1995 1830 GMT	Latitude :	56deg 27.8min N
End Time :	19 Nov 1995 0920 GMT	Longitude :	008deg 58.0min W

Nominal Cycle Interval :	600.0 secs	Minimum Depth :	13.50m
Maximum Depth :	133.50m	Sea Floor Depth :	146.00m

Positional Uncertainty : 0.5 to 1.0 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference
Disposition of Sensors : Sensor fixed, measurements made at fixed depths

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Moored acoustic doppler current meter
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : bb1148.706

==========

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

1) **Users are advised that data in the upper 20% of the water column should be treated with great care. These data are generally noisier than those collected from nearer the transducer.**

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
68541; RDI Acoustic Doppler Current Profiler
Data Activity Document : 67775
Fixed Station Document : 65206
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 444204

==========

Time Series Inventory Number : 8708

Start Time :	08 May 1995 0840 GMT	Latitude :	56deg 27.6min N
End Time :	15 Aug 1995 1130 GMT	Longitude :	008deg 57.9min W

Nominal Cycle Interval :	600.0 secs	Minimum Depth :	17.50m
Maximum Depth :	137.50m	Sea Floor Depth :	150.00m

Positional Uncertainty : 0.5 to 1.0 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference
Disposition of Sensors : Sensor fixed, measurements made at fixed depths

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Moored acoustic doppler current meter
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : bb1149.680

==========

The following **cautions** apply to this series:

1) **There are many gaps in the data record of several hours' duration.**

2) **Users are advised that data in the upper 20% of the water column should be treated with great care. These data are generally noisier than those collected from nearer the transducer.**

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
68541; RDI Acoustic Doppler Current Profiler
Data Activity Document : 67744
Fixed Station Document : 65206
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 444216

==========

Time Series Inventory Number : 8745

Start Time :	17 Aug 1995 1208 GMT	Latitude :	56deg 27.6min N
End Time :	04 Sep 1995 1710 GMT	Longitude :	008deg 58.0min W

Nominal Cycle Interval :	120.0 secs	Minimum Depth :	14.50m
Maximum Depth :	134.50m	Sea Floor Depth :	147.00m

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 : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Moored acoustic doppler current meter
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : bb1149.691

==========

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

1) **The signal for the shallowest bins is exceptionally noisy and contains some clearly erroneous data.**

==========

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

1) **Users are advised that data in the upper 20% of the water column should be treated with great care. These data are generally noisier than those collected from nearer the transducer.**

==========

INFORMATION FOR BODC SERIES REF. NO. 444216 (continued)

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
68541; RDI Acoustic Doppler Current Profiler
Data Activity Document : 67758
Fixed Station Document : 65206
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 444228

==========

Time Series Inventory Number : 8762

Start Time :	12 Aug 1995 0850 GMT	Latitude :	56deg 27.2min N
End Time :	05 Sep 1995 1340 GMT	Longitude :	009deg 04.8min W

Nominal Cycle Interval :	300.0 secs	Minimum Depth :	7.00m
Maximum Depth :	383.00m	Sea Floor Depth :	397.00m

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 : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Moored acoustic doppler current meter
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : rd1567.699

==========

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

1) **Users are advised that data in the upper 20% of the water column should be treated with great care. These data are generally noisier than those collected from nearer the transducer.**

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
68541; RDI Acoustic Doppler Current Profiler
Data Activity Document : 68507
Fixed Station Document : 65502
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 444241

==========

Time Series Inventory Number : 8791

Start Time :	19 Nov 1995 1729 GMT	Latitude :	56deg 26.9min N
End Time :	01 Feb 1996 0959 GMT	Longitude :	008deg 59.0min W

Nominal Cycle Interval :	600.0 secs	Minimum Depth :	14.50m
Maximum Depth :	134.50m	Sea Floor Depth :	147.00m

Positional Uncertainty : 0.5 to 1.0 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference
Disposition of Sensors : Sensor fixed, measurements made at fixed depths

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Moored acoustic doppler current meter
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : bb1149.734

==========

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

1) **Users are advised that data in the upper 20% of the water column should be treated with great care. These data are generally noisier than those collected from nearer the transducer.**

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
68541; RDI Acoustic Doppler Current Profiler
Data Activity Document : 67792
Fixed Station Document : 65206
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 444253

==========

Time Series Inventory Number : 8786

Start Time :	06 Sep 1995 0750 GMT	Latitude :	56deg 27.2min N
End Time :	27 Nov 1995 0830 GMT	Longitude :	009deg 04.8min W

Nominal Cycle Interval :	600.0 secs	Minimum Depth :	22.00m
Maximum Depth :	374.00m	Sea Floor Depth :	396.00m

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 : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Moored acoustic doppler current meter
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : rd1567.708

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
68541; RDI Acoustic Doppler Current Profiler
Data Activity Document : 68510
Fixed Station Document : 65502
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 444265

==========

Time Series Inventory Number : 8793

Start Time :	06 Dec 1995 0920 GMT	Latitude :	56deg 27.2min N
End Time :	02 Feb 1996 1050 GMT	Longitude :	009deg 04.8min W

Nominal Cycle Interval :	600.0 secs	Minimum Depth :	22.00m
Maximum Depth :	374.00m	Sea Floor Depth :	396.00m

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 : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Moored acoustic doppler current meter
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : rd1567.737

==========

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

1) **Users are advised that data in the upper 20% of the water column should be treated with great care. These data are generally noisier than those collected from nearer the transducer.**

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
68541; RDI Acoustic Doppler Current Profiler
Data Activity Document : 68524
Fixed Station Document : 65502
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 477191

==========

Time Series Inventory Number : 9639

Start Time : 12 Jul 1996	1602 GMT	Latitude :	56deg 27.7min N
End Time : 24 Jul 1996	1336 GMT	Longitude :	008deg 11.2min W

Nominal Cycle Interval :	120.0 secs	Minimum Depth :	16.50m
Maximum Depth :	136.50m	Sea Floor Depth :	149.00m

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 : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Moored acoustic doppler current meter
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : bb1148.779

==========

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

1) **The data contain a significant number of spikes. In bins 1 (deepest) to 20 the spikes could be readily identified and have been flagged suspect. In bin 21 (36.5m depth) a marked increase in noise level was observed that made the identification of spikes difficult. The noise level increased steadily from bin 21 to bin 25 (16.5 m depth). Systematic flagging of spikes was deemed impossible for bins 24 and 25. The noise was particularly bad from July 12th to midday on July 15th and from midday on July 21st until 20:00 on July 22nd. During these periods the noise level in bin 25 was such that it was difficult to recognise the tidal signal.**

   Users are therefore advised that the quality of the data from the top 5 bins (shallower than 36.5 m) is significantly lower than the data from the deeper bins. Data from bins 24 and 25 should be used with caution.

==========

INFORMATION FOR BODC SERIES REF. NO. 477191 (continued)

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
68541; RDI Acoustic Doppler Current Profiler
Data Activity Document : 67836
Fixed Station Document : 65952
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 477209

==========

Time Series Inventory Number : 9637

Start Time :	24 Apr 1996 0829 GMT	Latitude :	56deg 27.5min N
End Time :	12 Jul 1996 0639 GMT	Longitude :	008deg 57.6min W

Nominal Cycle Interval :	600.0 secs	Minimum Depth :	16.50m
Maximum Depth :	136.50m	Sea Floor Depth :	149.00m

Positional Uncertainty : 0.5 to 1.0 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference
Disposition of Sensors : Sensor fixed, measurements made at fixed depths

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Moored acoustic doppler current meter
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : bb1149.762

==========

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

1) **The data contained a significant number of spikes. An increase in the noise level was observed between the deepest and shallowest bins for all the channels.**

   Above bin 17 (56.5 m) it became difficult at times to differentiate between signal and spikes because of the noise level.

   Systematic flagging of spikes was deemed impossible for bins 23-25 (26.5-16.5 m) beyond labelling a small number of obviously large outliers.

INFORMATION FOR BODC SERIES REF. NO. 477209 (continued)

The level of noise was observed to be significantly higher on the following dates:

24 Apr to 30 Apr
09 May to 14 May
23 May to 24 May
27 May to 02 Jun (31 May to 01 Jun very bad)
04 Jun to 11 Jun
01 Jul to 02 Jul

Users are therefore advised that the quality of the data from the top 3 bins (shallower than 31.5 m) is lower than the data from the deeper bins.

Data from these three bins should be used with caution.

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
68541; RDI Acoustic Doppler Current Profiler
Data Activity Document : 70512
Fixed Station Document : 65206
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 477210

==========

Time Series Inventory Number : 9638

Start Time : 13 Jul 1996	1228 GMT	Latitude :	56deg 27.6min N
End Time : 28 Jul 1996	1056 GMT	Longitude :	008deg 57.7min W

Nominal Cycle Interval :	120.0 secs	Minimum Depth :	17.50m
Maximum Depth :	137.50m	Sea Floor Depth :	150.00m

Positional Uncertainty : 0.5 to 1.0 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference
Disposition of Sensors : Sensor fixed, measurements made at fixed depths

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Moored acoustic doppler current meter
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : bb1149.777

==========

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

1) **The data contained a number of obvious spikes. In bins 1 (the deepest) to 20 (42.5 metres) the spikes could easily be identified and have been flagged suspect. From bin 21 (37.5 metres) and above, there was a noticeable increase in the noise level and only the extreme spikes could be flagged. It was deemed impossible to flag any points in bin 25 (17.5 metres) as the noise level was such that the spikes could not be differentiated from the signal.**

   The noise levels were fairly consistent throughout the record but were observed as being slightly less between 16 July to 18 July inclusive.

   Users are advised that the quality of the data from the top 5 bins (shallower than 37.5 metres) is significantly lower than the data from the deeper bins. Data from bin 25 (17.5 m) should especially be used with caution.

==========

INFORMATION FOR BODC SERIES REF. NO. 477210 (continued)

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
68541; RDI Acoustic Doppler Current Profiler
Data Activity Document : 70526
Fixed Station Document : 65206
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 477222

==========

Time Series Inventory Number : 9640

Start Time :	14 Jul 1996 1525 GMT	Latitude :	56deg 27.3min N
End Time :	25 Jul 1996 0850 GMT	Longitude :	009deg 04.9min W

Nominal Cycle Interval :	300.0 secs	Minimum Depth :	46.00m
Maximum Depth :	398.00m	Sea Floor Depth :	412.00m

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 : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Moored acoustic doppler current meter
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : rd0394.782

==========

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

1) **The data set contained a number of spikes. In cases where these could be unambiguously identified they have been flagged suspect.**

   An increase in noise level was generally observed from bin 30 onwards (shallower than 150 m) for the vertical component and from bin 35 onwards (shallower than 126 m) for the NS and EW components. The noise levels were generally consistent throughout the record and no periods of exceptionally high or low noise could be identified.

   For the shallowest bins 44 and 45 (54 m and 46 m) systematic editing proved impossible due to high noise level. Data from these two bins should be viewed with caution.

==========

INFORMATION FOR BODC SERIES REF. NO. 477222 (continued)

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
68541; RDI Acoustic Doppler Current Profiler
Data Activity Document : 70543
Fixed Station Document : 65502
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 489769

==========

Time Series Inventory Number : 9636

Start Time :	01 Feb 1996 1143 GMT	Latitude :	56deg 27.5min N
End Time :	19 Apr 1996 1833 GMT	Longitude :	008deg 57.8min W

Nominal Cycle Interval :	600.0 secs	Minimum Depth :	14.50m
Maximum Depth :	134.50m	Sea Floor Depth :	147.00m

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 : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Moored acoustic doppler current meter
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : bb1148.746

==========

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

1) **The data contained a number of obvious spikes in all channels and all bins but with an obvious trend towards increasing noise from the deep bins to the shallow bins.**

   From bins 1 (134.5 metres) to bin 19 (44.5 metres) the spikes could easily be identified and have been systematically flagged suspect.

   The noise levels were significantly greater in bins 20-25 (shallower than 39.5 metres), with extreme levels of noise in bin 25 (14.5 metres). During the record, noise levels varied with time and were noticeably higher between 5th February 1996 and 2nd March 1996.

   Users are advised to view the data from bins shallower than bin 20 (39.5 metres) with caution and to view data from the shallowest bin (25 at 14.5 metres) with extreme caution.

==========

INFORMATION FOR BODC SERIES REF. NO. 489769 (continued)

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
68541; RDI Acoustic Doppler Current Profiler
Data Activity Document : 67805
Fixed Station Document : 65206
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 489770

==========

Time Series Inventory Number : 8800

Start Time :	05 Feb 1996 2010 GMT	Latitude :	56deg 27.3min N
End Time :	22 Feb 1996 1240 GMT	Longitude :	009deg 04.9min W

Nominal Cycle Interval :	600.0 secs	Minimum Depth :	74.00m
Maximum Depth :	378.00m	Sea Floor Depth :	396.00m

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 : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Moored acoustic doppler current meter
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : rd1567.750

==========

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

1) **The data contained a significant number of spikes. In bins 1 (the deepest at 378 m) to 15 (154 m) the spikes could easily be identified and have been flagged suspect. From bin 16 (138 m) and above, there was a noticeable increase in the noise level, making flagging difficult or impossible. The noise level was consistent throughout the record with no readily identifiable quiet or noisy periods.**

   In bins 19 (90 m) and 20 (74 m) there was an unusually large proportion of zero values, possibly incorrectly set null values. These have all been flagged suspect.

   It is recommended that data from bins shallower than 138 m (bins 16-20) are used with caution. The noise levels in bins shallower than 100 m (bins 19-20) are unusually bad and users are advised against making use of any of the data from these bins.

==========

INFORMATION FOR BODC SERIES REF. NO. 489770 (continued)

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
68541; RDI Acoustic Doppler Current Profiler
Data Activity Document : 73241
Fixed Station Document : 65502
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 489782

==========

Time Series Inventory Number : 10094

Start Time : 22 Feb 1996 1610 GMT		Latitude : 56deg 25.0min N	
End Time : 19 Apr 1996 2130 GMT		Longitude : 009deg 05.0min W	
Nominal Cycle Interval : 600.0 secs		Minimum Depth : 29.00m	
Maximum Depth : 237.00m		Sea Floor Depth : 259.00m	

Positional Uncertainty : 1.0 to 5.0 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference
Disposition of Sensors : Sensor fixed, measurements made at fixed depths

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Moored acoustic doppler current meter
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : rd1567.758

==========

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

1) **The position of this deployment is approximate because the instrument was relocated by trawling and found adrift.**

   There is some discernible reduction in data quality in the form of increasing noise in bins 11-14 (shallower than 77m).

   Noise levels were excessive in all bins at times on February 26th and 27th 1996. Periods of data, up to six hours duration, have been flagged out completely as a result.

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
68541; RDI Acoustic Doppler Current Profiler
Data Activity Document : 73255
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 491878

==========

Time Series Inventory Number : 8819

Start Time : 13 Jul 1996 1801 GMT		Latitude : 56deg 27.8min N	
End Time : 29 Jul 1996 1151 GMT		Longitude : 009deg 07.6min W	
Nominal Cycle Interval : 600.0 secs		Minimum Depth : 217.50m	
Maximum Depth : 567.50m		Sea Floor Depth : 595.00m	

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 : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Moored acoustic doppler current meter
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : dp0075.783

==========

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

1) **The data in this file are from a Proudman Oceanographic Laboratory 75 kz experimental ADCP. Only north/south and east/west current velocity components were recorded. No error velocity data were available to assist screening.**

   The data contained a number of obvious spikes that were marked suspect, but the noise levels were relatively low. However, a more worrying problem was reported by scientists who had looked at the data. Tidal analysis showed that the amplitude of the M2 constituent systematically decreased from the deepest bin to the shallowest. Consequently, it is believed that the current velocities are increasingly underestimated from the bottom to the surface bins. The data should therefore be regarded as semi-quantitative at best and should be used with extreme caution, particularly if current speeds are required.

INFORMATION FOR BODC SERIES REF. NO. 491878 (continued)

The north/south velocity component displayed a large velocity shear between bins 1 (567.5 m) and 2 (542.5m) and bins 3 (517.5m) and 2. The magnitude of this shear was up to 30 cm/s at times. It is not known whether this was an artefact of an experimental instrument or a real phenomenon.

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
73442; POL 75 kHz Acoustic Doppler Current Profiler
Data Activity Document : 73364
Fixed Station Document : 73350
Project Documents : 65159, 70202

==========

Transmissometer and Fluorometer Documentation Index

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

Series Ref	Data Type	Latitude deg min	Longitude deg min	Start Date yyyy/mm/dd	Sea Floor Depth m	Sensor Depth m
476046	PC	56 28.0 N	008 57.7 W	1995/05/15	148.0	1.0
476058	PC	56 26.9 N	009 02.8 W	1995/07/25	190.0	1.0
476071	PC	56 28.0 N	008 57.7 W	1995/08/15	146.0	1.0
476083	PC	56 28.0 N	008 57.5 W	1995/09/04	146.0	1.0
476095	PC	56 42.6 N	009 24.5 W	1996/04/22	1469.0	1463.0
476102	PC	56 26.9 N	009 02.9 W	1995/05/10	196.0	1.0
476114	PC	56 27.6 N	009 09.9 W	1995/05/11	711.0	40.0
476126	PC	56 27.6 N	009 09.8 W	1995/08/13	702.0	40.0
476138	PC	56 27.5 N	008 58.0 W	1996/02/01	147.0	1.0
476151	PC	56 27.8 N	008 57.5 W	1996/04/17	146.0	144.0
476163	PC	56 28.0 N	008 57.1 W	1995/07/24	148.0	1.0
476175	PC	56 26.9 N	009 02.8 W	1995/08/16	195.0	1.0
476187	PC	56 27.7 N	009 09.8 W	1996/04/18	699.0	691.0
476199	PC	56 27.2 N	009 02.8 W	1995/03/31	194.0	1.0
476206	PC	56 27.2 N	009 02.8 W	1995/04/17	207.0	1.0
476218	PC	56 27.2 N	009 09.5 W	1995/05/10	698.0	1.0
476231	PC	56 26.7 N	008 58.5 W	1995/11/27	144.0	1.0
476243	PC	56 39.1 N	009 35.6 W	1996/04/21	1501.0	707.0
491891	PC	56 27.3 N	009 02.8 W	1995/05/10	203.0	51.0
491909	PC	56 27.5 N	008 58.0 W	1996/02/01	147.0	1.0
496059	PC	56 28.0 N	008 57.7 W	1995/05/15	148.0	1.0
496060	PC	56 28.0 N	008 57.1 W	1995/07/24	148.0	1.0
496072	PC	56 27.2 N	009 02.8 W	1995/03/31	194.0	1.0
496084	PC	56 27.2 N	009 02.8 W	1995/04/17	207.0	1.0
496096	PC	56 26.9 N	009 02.9 W	1995/05/10	196.0	1.0
496103	PC	56 27.2 N	009 09.5 W	1995/05/10	698.0	1.0
496115	PC	56 27.1 N	009 09.5 W	1995/03/27	712.0	1.0
496127	PC	56 28.0 N	008 57.7 W	1995/08/15	146.0	1.0
496139	PC	56 28.0 N	008 57.5 W	1995/09/04	145.9	1.0
496140	PC	56 26.9 N	009 02.8 W	1995/08/16	195.0	1.0
496152	PC	56 26.7 N	008 58.5 W	1995/11/27	143.5	1.0
496164	PC	56 28.0 N	008 57.8 W	1996/04/17	148.0	1.0
496176	PC	56 28.2 N	009 09.8 W	1996/04/18	698.0	1.0
496188	PC	56 27.7 N	009 03.6 W	1996/04/19	290.0	1.0

where Data Type PC = Hydrography time series at depth

INFORMATION FOR BODC SERIES REF. NO. 476046

==========

Time Series Inventory Number : 9600

Start Time : 15 May 1995 1102 GMT Latitude : 56deg 28.0min N
End Time : 15 Jul 1995 0802 GMT Longitude : 008deg 57.7min W

Nominal Cycle Interval : 1.0 hours Sensor Depth : 1.00m
Sea Floor Depth : 148.00m

Positional Uncertainty : 0.5 to 1.0 n.miles
Depth Datum : Instantaneous

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Hydrography time series at depth
Instrument Type : Fluorescence measurements
Instrument Mounting : Moored surface data buoy
Originator Laboratory : Dunstaffnage Marine Laboratory, Oban, Argyll, UK
Originator's Identifier : 009C120

==========

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

1) **Signal looks credible until midday on 15/6/95. After this, the baseline ramps steadily upwards from 0.5 mg/m3, reaching 5 mg/m3 on 29/6/95. Signal amplitude on this date is > 5 mg/m3. Signal continues to rise with values in excess of 10 mg/m3. It is strongly recommended that data after 15/6/95 are used with extreme caution.**

==========

Additional information stored with the data:

The following calibration was applied:

Chlorophyll (mg/m3) (mg/m3) = -0.006151 * dark corrected signal

==========

INFORMATION FOR BODC SERIES REF. NO. 476046 (continued)

The following additional documents apply to this series:
(see Section B of this report)

Basic Document : 69924
70186; FLUOROMETER INSTRUMENTATION
Data Activity Document : 69938
Fixed Station Document : 65206
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 476058

==========

Time Series Inventory Number : 9606

Start Time	: 25 Jul 1995	1202 GMT	Latitude	:	56deg 26.9min N
End Time	: 15 Aug 1995	1002 GMT	Longitude	:	009deg 02.8min W

Nominal Cycle Interval : 1.0 hours Sensor Depth : 1.00m
Sea Floor Depth : 190.00m

Positional Uncertainty : 0.5 to 1.0 n.miles
Depth Datum : Instantaneous

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Hydrography time series at depth
Instrument Type : Fluorescence measurements
Instrument Mounting : Moored surface data buoy
Originator Laboratory : Dunstaffnage Marine Laboratory, Oban, Argyll, UK
Originator's Identifier : 011C121A

==========

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

1) **In this series the timestep at the month boundary did not increment to the following day and remained on the same day. Therefore, an extra day was added to the day column at the following month boundary:**

   31/7/95-1/8/95

==========

Additional information stored with the data:

The following calibration was applied:

Chlorophyll (mg/m3) = -0.005136 * dark corrected signal

==========

INFORMATION FOR BODC SERIES REF. NO. 476058 (continued)

The following additional documents apply to this series:
(see Section B of this report)

Basic Document : 69924
70186; FLUOROMETER INSTRUMENTATION
Data Activity Document : 69955
Fixed Station Document : 65223
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 476071

==========

Time Series Inventory Number : 9601

Start Time : 15 Aug 1995 2002 GMT Latitude : 56deg 28.0min N
End Time : 03 Sep 1995 1502 GMT Longitude : 008deg 57.7min W

Nominal Cycle Interval : 1.0 hours Sensor Depth : 1.00m
Sea Floor Depth : 146.00m

Positional Uncertainty : 0.5 to 1.0 n.miles
Depth Datum : Instantaneous

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Hydrography time series at depth
Instrument Type : Fluorescence measurements
Instrument Mounting : Moored surface data buoy
Originator Laboratory : Dunstaffnage Marine Laboratory, Oban, Argyll, UK
Originator's Identifier : 011C121C

==========

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

1) **Signal baseline ramps steadily upwards from 24/8/95 until the end of the series. The magnitude of the rise is approximately 1 mg/m3 and may represent the development of an autumn bloom. However, the form of the rise resembles artefacts observed in other series and, consequently, it has been documented as a caution.**

==========

Additional information stored with the data:

The following calibration was applied:

Chlorophyll (mg/m3) = -0.005136 * dark corrected signal

==========

INFORMATION FOR BODC SERIES REF. NO. 476071 (continued)

The following additional documents apply to this series:
(see Section B of this report)

Basic Document : 69924
70186; FLUOROMETER INSTRUMENTATION
Data Activity Document : 66981
Fixed Station Document : 65206
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 476083

==========

Time Series Inventory Number : 9607

Start Time : 04 Sep 1995 1702 GMT Latitude : 56deg 28.0min N
End Time : 24 Nov 1995 0202 GMT Longitude : 008deg 57.5min W

Nominal Cycle Interval : 1.0 hours Sensor Depth : 1.00m
Sea Floor Depth : 146.00m

Positional Uncertainty : 0.5 to 1.0 n.miles
Depth Datum : Instantaneous

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Hydrography time series at depth
Instrument Type : Fluorescence measurements
Instrument Mounting : Moored surface data buoy
Originator Laboratory : Dunstaffnage Marine Laboratory, Oban, Argyll, UK
Originator's Identifier : 011C123A

==========

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

1) **The record changes dramatically from having a strong tidal signal with an amplitude of approximately 0.5 mg/m3 to a much flatter form on 29/10/95.**

==========

Additional information stored with the data:

The following calibration was applied:

Chlorophyll (mg/m3) = -0.005136 * dark corrected signal

==========

The following additional documents apply to this series:
(see Section B of this report)

Basic Document : 69924
70186; FLUOROMETER INSTRUMENTATION
Data Activity Document : 69969
Fixed Station Document : 65206
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 476095

==========

Time Series Inventory Number : 9612

Start Time	: 22 Apr 1996	1702 GMT	Latitude	:	56deg 42.6min N
End Time	: 09 Jul 1996	1402 GMT	Longitude	:	009deg 24.5min W

Nominal Cycle Interval : 1.0 hours Sensor Depth : 1463.00m
Sea Floor Depth : 1469.00m

Positional Uncertainty : 0.5 to 1.0 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Hydrography time series at depth
Instrument Type : Fluorescence measurements
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Dunstaffnage Marine Laboratory, Oban, Argyll, UK
Originator's Identifier : 011C128B

==========

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

1) **In this series the timestep at the month boundary did not increment to the following day and remained on the same day. Therefore, an extra day was added to the day column at the following month boundaries:**

   30/4/96-1/5/96, 31/5/96-1/6/96, 30/6/96-1/6/96

==========

Additional information stored with the data:

The following calibration was applied:

Chlorophyll (mg/m3) = -0.005136 * dark corrected signal

==========

INFORMATION FOR BODC SERIES REF. NO. 476095 (continued)

The following additional documents apply to this series:
(see Section B of this report)

Basic Document : 69924
70186; FLUOROMETER INSTRUMENTATION
Data Activity Document : 66701
Fixed Station Document : 66174
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 476102

==========

Time Series Inventory Number : 9597

Start Time : 10 May 1995 1702 GMT Latitude : 56deg 26.9min N
End Time : 28 May 1995 1002 GMT Longitude : 009deg 02.9min W

Nominal Cycle Interval : 1.0 hours Sensor Depth : 1.00m
Sea Floor Depth : 196.00m

Positional Uncertainty : 0.5 to 1.0 n.miles
Depth Datum : Instantaneous

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Hydrography time series at depth
Instrument Type : Fluorescence measurements
Instrument Mounting : Moored surface data buoy
Originator Laboratory : Dunstaffnage Marine Laboratory, Oban, Argyll, UK
Originator's Identifier : 011CD93

==========

Additional information stored with the data:

The following calibration was applied:

Chlorophyll (mg/m3) = -0.005136 * dark corrected signal

==========

The following additional documents apply to this series:
(see Section B of this report)

Basic Document : 69924
70186; FLUOROMETER INSTRUMENTATION
Data Activity Document : 66950
Fixed Station Document : 65223
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 476114

==========

Time Series Inventory Number : 9599

Start Time : 11 May 1995 1302 GMT Latitude : 56deg 27.6min N
End Time : 11 Jul 1995 1102 GMT Longitude : 009deg 09.9min W

Nominal Cycle Interval : 1.0 hours Sensor Depth : 40.00m
Sea Floor Depth : 711.00m

Positional Uncertainty : 0.5 to 1.0 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Hydrography time series at depth
Instrument Type : Fluorescence measurements
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Dunstaffnage Marine Laboratory, Oban, Argyll, UK
Originator's Identifier : 012C120

==========

Additional information stored with the data:

The following calibration was applied:

Chlorophyll (mg/m3) = -0.005231 * dark corrected signal

==========

The following additional documents apply to this series:
(see Section B of this report)

Basic Document : 69924
70186; FLUOROMETER INSTRUMENTATION
Data Activity Document : 65271
Fixed Station Document : 65240
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 476126

==========

Time Series Inventory Number : 9603

Start Time : 13 Aug 1995 1502 GMT Latitude : 56deg 27.6min N
End Time : 06 Sep 1995 1259 GMT Longitude : 009deg 09.8min W

Nominal Cycle Interval : 1.0 hours Sensor Depth : 40.00m
Sea Floor Depth : 702.00m

Positional Uncertainty : 0.5 to 1.0 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Hydrography time series at depth
Instrument Type : Fluorescence measurements
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Dunstaffnage Marine Laboratory, Oban, Argyll, UK
Originator's Identifier : 012C121C

==========

Additional information stored with the data:

The following calibration was applied:

Chlorophyll (mg/m3) = -0.009500* dark corrected signal

==========

The following additional documents apply to this series:
(see Section B of this report)

Basic Document : 69924
70186; FLUOROMETER INSTRUMENTATION
Data Activity Document : 65285
Fixed Station Document : 65240
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 476138

==========

Time Series Inventory Number : 9608

Start Time : 01 Feb 1996 1602 GMT Latitude : 56deg 27.5min N
End Time : 15 Apr 1996 1702 GMT Longitude : 008deg 58.0min W

Nominal Cycle Interval : 1.0 hours Sensor Depth : 1.00m
Sea Floor Depth : 147.00m

Positional Uncertainty : 0.5 to 1.0 n.miles
Depth Datum : Instantaneous

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Hydrography time series at depth
Instrument Type : Fluorescence measurements
Instrument Mounting : Moored surface data buoy
Originator Laboratory : Dunstaffnage Marine Laboratory, Oban, Argyll, UK
Originator's Identifier : 012C126A

==========

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

1) **Unusually high values between 3/3/96 and 7/3/96 have been flagged suspect. Signal ramps up and amplitude increases after 3/3/96 but this is due to the onset of the spring bloom.**

==========

Additional information stored with the data:

The following calibration was applied:

Chlorophyll (mg/m3) = -0.009500 * dark corrected signal

==========

The following additional documents apply to this series:
(see Section B of this report)

Basic Document : 69924
70186; FLUOROMETER INSTRUMENTATION
Data Activity Document : 69972
Fixed Station Document : 65206
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 476151

==========

Time Series Inventory Number : 9609

Start Time : 17 Apr 1996 1502 GMT Latitude : 56deg 27.8min N
End Time : 07 Jul 1996 1602 GMT Longitude : 008deg 57.5min W

Nominal Cycle Interval : 1.0 hours Sensor Depth : 144.00m
Sea Floor Depth : 146.00m

Positional Uncertainty : 0.5 to 1.0 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Hydrography time series at depth
Instrument Type : Fluorescence measurements
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Dunstaffnage Marine Laboratory, Oban, Argyll, UK
Originator's Identifier : 012C128B

==========

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

1) **The signal increases dramatically on 3/5/96 with an upwards jump from 0.4 mg/m3 to 0.97 mg/m3 in two hours. Readings of up to 1.8 mg/m3 during May seem high for a meter deployed at this depth.**

==========

Additional information stored with the data:

The following calibration was applied:

Chlorophyll (mg/m3) = -0.009500 * dark corrected signal

==========

INFORMATION FOR BODC SERIES REF. NO. 476151 (continued)

The following additional documents apply to this series:
(see Section B of this report)

Basic Document : 69924
70186; FLUOROMETER INSTRUMENTATION
Data Activity Document : 65904
Fixed Station Document : 65206
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 476163

==========

Time Series Inventory Number : 9605

Start Time : 24 Jul 1995 2009 GMT Latitude : 56deg 28.0min N
End Time : 15 Aug 1995 1302 GMT Longitude : 008deg 57.1min W

Nominal Cycle Interval : 1.0 hours Sensor Depth : 1.00m
Sea Floor Depth : 148.00m

Positional Uncertainty : 1.0 to 5.0 n.miles
Depth Datum : Instantaneous

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Hydrography time series at depth
Instrument Type : Fluorescence measurements
Instrument Mounting : Moored surface data buoy
Originator Laboratory : Dunstaffnage Marine Laboratory, Oban, Argyll, UK
Originator's Identifier : 013C121A

==========

Additional information stored with the data:

The following calibration was applied:

Chlorophyll (mg/m3) = -0.004744 * dark corrected signal

==========

The following additional documents apply to this series:
(see Section B of this report)

Basic Document : 69924
70186; FLUOROMETER INSTRUMENTATION
Data Activity Document : 66995
Fixed Station Document : 65206
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 476175

==========

Time Series Inventory Number : 9602

Start Time : 16 Aug 1995 0909 GMT Latitude : 56deg 26.9min N
End Time : 06 Sep 1995 0802 GMT Longitude : 009deg 02.8min W

Nominal Cycle Interval : 1.0 hours Sensor Depth : 1.00m
Sea Floor Depth : 195.00m

Positional Uncertainty : 0.5 to 1.0 n.miles
Depth Datum : Instantaneous

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Hydrography time series at depth
Instrument Type : Fluorescence measurements
Instrument Mounting : Moored surface data buoy
Originator Laboratory : Dunstaffnage Marine Laboratory, Oban, Argyll, UK
Originator's Identifier : 013C121C

==========

Additional information stored with the data:

The following calibration was applied:

Chlorophyll (mg/m3) = -0.004744 * dark corrected signal

==========

The following additional documents apply to this series:
(see Section B of this report)

Basic Document : 69924
70186; FLUOROMETER INSTRUMENTATION
Data Activity Document : 67387
Fixed Station Document : 65223
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 476187

==========

Time Series Inventory Number : 9610

Start Time : 18 Apr 1996 1402 GMT Latitude : 56deg 27.7min N
End Time : 09 May 1996 2002 GMT Longitude : 009deg 09.8min W

Nominal Cycle Interval : 1.0 hours Sensor Depth : 691.00m
Sea Floor Depth : 699.00m

Positional Uncertainty : 0.5 to 1.0 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Hydrography time series at depth
Instrument Type : Fluorescence measurements
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Dunstaffnage Marine Laboratory, Oban, Argyll, UK
Originator's Identifier : 013C128B

==========

Additional information stored with the data:

The following calibration was applied:

Chlorophyll (mg/m3) = -0.004744 * dark corrected signal

==========

The following additional documents apply to this series:
(see Section B of this report)

Basic Document : 69924
70186; FLUOROMETER INSTRUMENTATION
Data Activity Document : 65918
Fixed Station Document : 65240
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 476199

==========

Time Series Inventory Number : 9595

Start Time : 31 Mar 1995 2102 GMT Latitude : 56deg 27.2min N
End Time : 16 Apr 1995 1302 GMT Longitude : 009deg 02.8min W

Nominal Cycle Interval : 1.0 hours Sensor Depth : 1.00m
Sea Floor Depth : 194.00m

Positional Uncertainty : 0.5 to 1.0 n.miles
Depth Datum : Instantaneous

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Hydrography time series at depth
Instrument Type : Fluorescence measurements
Instrument Mounting : Moored surface data buoy
Originator Laboratory : Dunstaffnage Marine Laboratory, Oban, Argyll, UK
Originator's Identifier : 013CD92

==========

Additional information stored with the data:

The following calibration was applied:

Chlorophyll (mg/m3) = -0.004744 * dark corrected signal

==========

The following additional documents apply to this series:
(see Section B of this report)

Basic Document : 69924
70186; FLUOROMETER INSTRUMENTATION
Data Activity Document : 65547
Fixed Station Document : 65223
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 476206

==========

Time Series Inventory Number : 9596

Start Time : 17 Apr 1995 1609 GMT Latitude : 56deg 27.2min N
End Time : 09 May 1995 1702 GMT Longitude : 009deg 02.8min W

Nominal Cycle Interval : 1.0 hours Sensor Depth : 1.00m
Sea Floor Depth : 207.00m

Positional Uncertainty : 1.0 to 5.0 n.miles
Depth Datum : Instantaneous

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Hydrography time series at depth
Instrument Type : Fluorescence measurements
Instrument Mounting : Moored surface data buoy
Originator Laboratory : Dunstaffnage Marine Laboratory, Oban, Argyll, UK
Originator's Identifier : 013CD93

==========

Additional information stored with the data:

The following calibration was applied:

Chlorophyll (mg/m3) = -0.004744 * dark corrected signal

==========

The following additional documents apply to this series:
(see Section B of this report)

Basic Document : 69924
70186; FLUOROMETER INSTRUMENTATION
Data Activity Document : 65550
Fixed Station Document : 65223
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 476218

==========

Time Series Inventory Number : 9598

Start Time : 10 May 1995 2002 GMT Latitude : 56deg 27.2min N
End Time : 04 Jun 1995 1802 GMT Longitude : 009deg 09.5min W

Nominal Cycle Interval : 1.0 hours Sensor Depth : 1.00m
Sea Floor Depth : 698.00m

Positional Uncertainty : 0.5 to 1.0 n.miles
Depth Datum : Instantaneous

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Hydrography time series at depth
Instrument Type : Fluorescence measurements
Instrument Mounting : Moored surface data buoy
Originator Laboratory : Dunstaffnage Marine Laboratory, Oban, Argyll, UK
Originator's Identifier : 013CD94

==========

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

1) **In this series the header indicates that the last record was 1/6/95 at 07:00 and the instrument was recovered on 9/6/95. However, the time series record carries on until 4/6/95. There is probably a mistake in the header.**

==========

Additional information stored with the data:

The following calibration was applied:

Chlorophyll (mg/m3) = -0.004744 * dark corrected signal

==========

INFORMATION FOR BODC SERIES REF. NO. 476218 (continued)

The following additional documents apply to this series:
(see Section B of this report)

Basic Document : 69924
70186; FLUOROMETER INSTRUMENTATION
Data Activity Document : 66964
Fixed Station Document : 65240
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 476231

==========

Time Series Inventory Number : 9604

Start Time :	27 Nov 1995 2001 GMT	Latitude :	56deg 26.7min N
End Time :	06 Dec 1995 1102 GMT	Longitude :	008deg 58.5min W

Nominal Cycle Interval : 1.0 hours Sensor Depth : 1.00m
Sea Floor Depth : 144.00m

Positional Uncertainty : 0.5 to 1.0 n.miles
Depth Datum : Instantaneous

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Hydrography time series at depth
Instrument Type : Fluorescence measurements
Instrument Mounting : Moored surface data buoy
Originator Laboratory : Dunstaffnage Marine Laboratory, Oban, Argyll, UK
Originator's Identifier : 014C123B

==========

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

1) **The rig was cut free, probably due to fishing activity, and was recovered adrift by Challenger cruise CH123B. An Argos alert that the rig was moving was received at 18:00 GMT on 05/12/1995. The drifting rig was recovered at 12:00 on 06/12/1995 at 56 deg 42.64'N, 9 deg 06.16'W.**

==========

Additional information stored with the data:

The following calibration was applied:

Chlorophyll (mg/m3) = -0.004974 * dark corrected signal

==========

INFORMATION FOR BODC SERIES REF. NO. 476231 (continued)

The following additional documents apply to this series:
(see Section B of this report)

Basic Document : 69924
70186; FLUOROMETER INSTRUMENTATION
Data Activity Document : 69941
Fixed Station Document : 65206
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 476243

==========

Time Series Inventory Number : 9611

Start Time : 21 Apr 1996 1702 GMT Latitude : 56deg 39.1min N
End Time : 08 Jul 1996 2002 GMT Longitude : 009deg 35.6min W

Nominal Cycle Interval : 1.0 hours Sensor Depth : 707.00m
Sea Floor Depth : 1501.00m

Positional Uncertainty : Greater than 10 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Hydrography time series at depth
Instrument Type : Fluorescence measurements
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Dunstaffnage Marine Laboratory, Oban, Argyll, UK
Originator's Identifier : 014C128B

==========

Additional information stored with the data:

The following calibration was applied:

Chlorophyll (mg/m3) = -0.004974 * dark corrected signal

==========

The following additional documents apply to this series:
(see Section B of this report)

Basic Document : 69924
70186; FLUOROMETER INSTRUMENTATION
Data Activity Document : 66699
Fixed Station Document : 66715
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 491891

==========

Time Series Inventory Number : 8722

Start Time :	10 May 1995 1401 GMT	Latitude :	56deg 27.3min N
End Time :	24 Jun 1995 1024 GMT	Longitude :	009deg 02.8min W

Nominal Cycle Interval :	60.0 secs	Sensor Depth :	51.00m
	Sea Floor Depth :	203.00m	

Positional Uncertainty :	0.1 to 0.5 n.miles
Sea Floor Datum :	Instantaneous
Sensor Depth Datum :	Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category :	Hydrography time series at depth
Instrument Type :	Transmissometer
Instrument Mounting :	Subsurface mooring - subsurface buoyancy
Originator Laboratory :	Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier :	tr0001.683

==========

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

1) **This instrument was recovered adrift after the mooring had been damaged by trawling.**

==========

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

1) **It is possible that the rig moved at 10:45 on May 14th 1995 as indicated by pressure sensors on the rig.**

==========

Additional information stored with the data:

Calibration details for TRB1 transmissometer serial number 0001 deployed on POL mooring 683.

Calibration from raw counts used the equation:

atten = -4 * ln ((counts - B)/C0 - B)

INFORMATION FOR BODC SERIES REF. NO. 491891 (continued)

where:

B = Blocked path counts (184)
C0 = Number of counts corresponding to 5V (666.665)

C0 was determined by calibration against the CTD transmissometer on cast CP20 during Charles Darwin cruise CD93A.

The calibrated data were checked against the following CTD casts on station S200.

CTD Cast	Cruise	Date	UT	CTD value	TRB1 value
CP21	CD93A	10/05/95	15:02	0.409	0.361
CP22	CD93A	10/05/95	16:59	0.404	0.425

Other casts were reported from CD93A between 21 May and 29 May 1995. However, it is believed that the mooring was trawled and cast adrift on 14 May 1995.

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
74083; TRB-1 and TRB-2 Self-recording Transmissometers
Data Activity Document : 65315
Fixed Station Document : 65223
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 491909

==========

Time Series Inventory Number : 8799

Start Time :	01 Feb 1996 1317 GMT	Latitude :	56deg 27.5min N
End Time :	16 Mar 1996 1846 GMT	Longitude :	008deg 58.0min W

Nominal Cycle Interval :	60.0 secs	Sensor Depth :	1.00m
	Sea Floor Depth :	147.00m	

Positional Uncertainty :	0.1 to 0.5 n.miles
Depth Datum :	Instantaneous

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category :	Hydrography time series at depth
Instrument Type :	Transmissometer
Instrument Mounting :	Moored surface data buoy
Originator Laboratory :	Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier :	tr0001.747

==========

Additional information stored with the data:

Calibration details for TRB1 transmissometer serial number 0001 deployed on POL mooring 747.

Calibration from raw counts used the equation:

atten = -4 * ln ((counts - B)/C0 - B)

where:

B = Blocked path counts (177)
C0 = Number of counts corresponding to 5V (724.71)

C0 was determined by calibration against the CTD transmissometer on cast CP2 during Challenger cruise CH125A.

The calibrated data were checked against the following CTD casts on station S140.

INFORMATION FOR BODC SERIES REF. NO. 491909 (continued)

CTD Cast	Cruise	Date	UT	CTD value	TRB1 value
CP3	CH125A	01/02/96	18:01	0.457	0.520
CP4	CH125A	01/02/96	18:38	0.451	0.503
CP50	CH125B	14/02/96	10:16	0.463	0.381

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
74083; TRB-1 and TRB-2 Self-recording Transmissometers
Data Activity Document : 69972
Fixed Station Document : 65206
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 496059

==========

Time Series Inventory Number : 8739

Start Time :	15 May 1995 0956 GMT	Latitude :	56deg 28.0min N
End Time :	24 Jul 1995 1214 GMT	Longitude :	008deg 57.7min W

Nominal Cycle Interval :	60.0 secs	Sensor Depth :	1.00m
	Sea Floor Depth :	148.00m	

Positional Uncertainty :	0.5 to 1.0 n.miles
Sea Floor Datum :	Instantaneous
Sensor Depth Datum :	Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category :	Hydrography time series at depth
Instrument Type :	Transmissometer
Instrument Mounting :	Subsurface mooring - subsurface buoyancy
Originator Laboratory :	Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier :	tr1683.688

==========

The following **cautions** apply to this series:

1) **The salinity data do not appear credible and have all been flagged suspect.**

2) **Towards the end of the record, the attenuance signal increased dramatically indicating fouling of the optics or flattening of the battery. All affected data have been flagged suspect.**

==========

Additional information stored with the data:

Calibration details for TRB2 transmissometer serial number 1683 deployed on POL mooring 688.

Calibration from raw counts used the equation:

atten = -4 * ln ((counts - B)/C0 - B)

where:

INFORMATION FOR BODC SERIES REF. NO. 496059 (continued)

B = Blocked path counts (2)
C0 = Number of counts corresponding to 5V (4372.61)

The instrument was calibrated by attaching it to the CTD frame during a cast. The following comparisons were made between the CTD and TRB data during the deployment:

CAST	DATE/TIME	CTD ATTEN	TRB ATTEN
CP57.CD93A	15/05/1995 11:22	1.584	1.500
CP63.CD93B	17/05/1995 14:37	1.403	1.190
CP64.CD93B	17/05/1995 15:41	1.292	1.146
CP67.CD93B	17/05/1995 21:01	1.236	1.130
CP72.CD93B	18/05/1995 04:50	1.207	1.100
CP78.CD93B	18/05/1995 11:10	1.233	1.180
CP121.CD93B	21/05/1995 17:44	0.693	0.594
CP193.CD93B	29/05/1995 11:02	0.766	0.779

The temperature calibration applied was:

T = -11.61228 + 1.539592E-02*X - 1.675735E-06*X^2 + 5.301237E-10*X^3

where:

X = Temperature channel count

This was the calibration supplied by the manufacturer.

Comparison with CTD data showed that the TRB was reading between 0.2 and 0.3 degrees C low.

The conductivity calibration applied was:

C = 4.917149 + 8.844114E-03*X + 1.766217E-06*X^2 + 6.144520E-10*X^3

where:

X = conductivity channel count

The conductivity sensor was obviously malfunctioning during this deployment and, consequently, comparison with CTD data is meaningless.

==========

INFORMATION FOR BODC SERIES REF. NO. 496059 (continued)

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
74083; TRB-1 and TRB-2 Self-recording Transmissometers
Data Activity Document : 69938
Fixed Station Document : 65206
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 496060

==========

Time Series Inventory Number : 8795

Start Time	: 24 Jul 1995	1715 GMT	Latitude	:	56deg 28.0min N
End Time	: 11 Aug 1995	0921 GMT	Longitude	:	008deg 57.1min W

Nominal Cycle Interval	: 60.0 secs		Sensor Depth	: 1.00m
		Sea Floor Depth	: 148.00m	

Positional Uncertainty	: 1.0 to 5.0 n.miles
Sea Floor Datum	: Instantaneous
Sensor Depth Datum	: Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category	: Hydrography time series at depth
Instrument Type	: Transmissometer
Instrument Mounting	: Subsurface mooring - subsurface buoyancy
Originator Laboratory	: Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier	: tr1683.739

==========

The following **cautions** apply to this series:

1) **The salinity data do not appear credible and have all been flagged suspect.**

2) **The attenuance record does not appear credible and has been flagged suspect.**

==========

Additional information stored with the data:

Calibration details for TRB2 transmissometer serial number 1683 deployed on POL mooring 739.

Calibration from raw counts used the equation:

atten = -4 * ln ((counts - B)/C0 - B)

where:

INFORMATION FOR BODC SERIES REF. NO. 496060 (continued)

B = Blocked path counts (2)
C0 = Number of counts corresponding to 5V (1133)

Normal calibration procedures were not possible because the instrument logged counts of 4095 throughout the calibration cast. The C0 value was obtained using averaged data from 2 CTD casts on site S140 during the mooring deployment. Note that the result of this was very poor and no credible attenuance data were obtained.

The temperature calibration applied was:

T = -11.61228 + 1.539592E-02*X - 1.675735E-06*X^2 + 5.301237E-10*X^3

where:

X = Temperature channel count

This was the calibration supplied by the manufacturer.

Comparison with CTD data showed that the TRB was reading 0.12 degrees C high on one cast and 0.12 degrees C low on the other.

The conductivity calibration applied was:

C = 4.917149 + 8.844114E-03*X + 1.766217E-06*X^2 + 6.144520E-10*X^3

where:

X = conductivity channel count

The conductivity sensor was obviously malfunctioning during this deployment and consequently comparison with CTD data is meaningless.

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
74083; TRB-1 and TRB-2 Self-recording Transmissometers
Data Activity Document : 66995
Fixed Station Document : 65206
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 496072

==========

Time Series Inventory Number : 8689

Start Time :	31 Mar 1995 2020 GMT	Latitude :	56deg 27.2min N
End Time :	16 Apr 1995 1302 GMT	Longitude :	009deg 02.8min W

Nominal Cycle Interval : 60.0 secs Sensor Depth : 1.00m
Sea Floor Depth : 194.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Hydrography time series at depth
Instrument Type : Transmissometer
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : tr1760.664

==========

The following **cautions** apply to this series:

1) **The salinity data do not appear credible and have all been flagged suspect.**

2) **No attenuance data are included because no calibration data were available.**

==========

Additional information stored with the data:

Calibration details for TRB2 transmissometer serial number 1760 deployed on POL mooring 664.

No transmissometer calibration was possible for this deployment, as no CTD calibration data were available. Consequently there are no attenuance data from this deployment.

The temperature calibration applied was:

T = -12.1224 + 1.55625E-02*X - 1.96345E-06*X^2 + 5.90660E-10*X^3

INFORMATION FOR BODC SERIES REF. NO. 496072 (continued)

This was the calibration supplied by the manufacturer.

Comparison with a single CTD cast on 01/01/1995 showed the TRB to be reading 0.3 degrees C low.

The conductivity calibration applied was:

C = 9.20668 + 8.49181E-03*X + 8.13588E-08*X^2 + 1.23957E-09*X^3

where:

X = conductivity channel count

The conductivity sensor was obviously malfunctioning during this deployment and consequently comparison with CTD data is meaningless.

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
74083; TRB-1 and TRB-2 Self-recording Transmissometers
Data Activity Document : 65547
Fixed Station Document : 65223
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 496084

==========

Time Series Inventory Number : 8698

Start Time :	17 Apr 1995 1530 GMT	Latitude :	56deg 27.2min N
End Time :	09 May 1995 1717 GMT	Longitude :	009deg 02.8min W

Nominal Cycle Interval :	60.0 secs	Sensor Depth :	1.00m
	Sea Floor Depth :	207.00m	

Positional Uncertainty :	0.1 to 0.5 n.miles
Sea Floor Datum :	Instantaneous
Sensor Depth Datum :	Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category :	Hydrography time series at depth
Instrument Type :	Transmissometer
Instrument Mounting :	Subsurface mooring - subsurface buoyancy
Originator Laboratory :	Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier :	tr1760.669

==========

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

1) The salinity data do not appear credible and have all been flagged suspect.

==========

Additional information stored with the data:

Calibration details for TRB2 transmissometer serial number 1760 deployed on POL mooring 669.

Calibration from raw counts used the equation:

atten = -4 * ln ((counts - B)/C0 - B)

where:

B = Blocked path counts (44)
C0 = Number of counts corresponding to 5V (4275)

INFORMATION FOR BODC SERIES REF. NO. 496084 (continued)

Normal calibration procedures were not possible because the instrument logged counts of 4095 throughout the calibration cast. The C0 value was obtained using averaged data from 3 CTD casts on site S140 during the mooring deployment.

The temperature calibration applied was:

T = -12.1224 + 1.55625E-02*X - 1.96345E-06*X^2 + 5.90660E-10*X^3

This was the calibration supplied by the manufacturer.

Comparison with CTD data showed the TRB to be reading between 0.3 and 0.4 degrees C low.

The conductivity calibration applied was:

C = 9.20668 + 8.49181E-03*X + 8.13588E-08*X^2 + 1.23957E-09*X^3

where:

X = conductivity channel count

The conductivity sensor was obviously malfunctioning during this deployment and consequently comparison with CTD data is meaningless.

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
74083; TRB-1 and TRB-2 Self-recording Transmissometers
Data Activity Document : 65550
Fixed Station Document : 65223
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 496096

==========

Time Series Inventory Number : 8699

Start Time :	10 May 1995 1630 GMT	Latitude :	56deg 26.9min N
End Time :	28 May 1995 1117 GMT	Longitude :	009deg 02.9min W

Nominal Cycle Interval :	60.0 secs	Sensor Depth :	1.00m
	Sea Floor Depth :	196.00m	

Positional Uncertainty :	0.1 to 0.5 n.miles
Sea Floor Datum :	Instantaneous
Sensor Depth Datum :	Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category :	Hydrography time series at depth
Instrument Type :	Transmissometer
Instrument Mounting :	Subsurface mooring - subsurface buoyancy
Originator Laboratory :	Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier :	tr1760.670

==========

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

1) **The salinity data do not appear credible and have all been flagged suspect.**

==========

Additional information stored with the data:

Calibration details for TRB2 transmissometer serial number 1760 deployed on POL mooring 670.

Calibration from raw counts used the equation:

atten = -4 * ln ((counts - B)/C0 - B)

where:

B = Blocked path counts (44)
C0 = Number of counts corresponding to 5V (4759.62)

INFORMATION FOR BODC SERIES REF. NO. 496096 (continued)

The instrument was calibrated by attaching it to the CTD frame during a cast. The following comparisons were made between the CTD and TRB data during the deployment:

CAST	DATE/TIME	CTD ATTEN	TRB ATTEN
CP21.CD93A	10/05/1995 15:02	0.938	0.592
CP22.CD93A	10/05/1995 16:59	0.832	0.615
CP119.CD93B	21/05/1995 15:29	0.666	0.539
CP143.CD93B	25/05/1995 03:07	0.600	0.548

The temperature calibration applied was:

T = -12.1224 + 1.55625E-02*X - 1.96345E-06*X^2 + 5.90660E-10*X^3

This was the calibration supplied by the manufacturer.

Comparison with CTD data showed the TRB to be reading between 0.3 and 0.4 degrees C low.

The conductivity calibration applied was:

C = 9.20668 + 8.49181E-03*X + 8.13588E-08*X^2 + 1.23957E-09*X^3

where:

X = conductivity channel count

The conductivity sensor was obviously malfunctioning during this deployment and consequently comparison with CTD data is meaningless.

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
74083; TRB-1 and TRB-2 Self-recording Transmissometers
Data Activity Document : 66950
Fixed Station Document : 65223
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 496103

==========

Time Series Inventory Number : 8704

Start Time :	10 May 1995 2000 GMT	Latitude :	56deg 27.2min N
End Time :	04 Jun 1995 1832 GMT	Longitude :	009deg 09.5min W

Nominal Cycle Interval :	60.0 secs	Sensor Depth :	1.00m
	Sea Floor Depth :	698.00m	

Positional Uncertainty :	0.1 to 0.5 n.miles
Sea Floor Datum :	Instantaneous
Sensor Depth Datum :	Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category :	Hydrography time series at depth
Instrument Type :	Transmissometer
Instrument Mounting :	Subsurface mooring - subsurface buoyancy
Originator Laboratory :	Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier :	tr1761.676

==========

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

1) **The salinity data do not appear credible and have all been flagged suspect.**

==========

Additional information stored with the data:

Calibration details for TRB2 transmissometer serial number 1761 deployed on POL mooring 676.

Calibration from raw counts used the equation:

atten = -4 * ln ((counts - B)/C0 - B)

where:

B = Blocked path counts (4)
C0 = Number of counts corresponding to 5V (4252)

INFORMATION FOR BODC SERIES REF. NO. 496103 (continued)

Normal calibration procedures were not possible because the instrument logged counts of 4095 throughout the calibration cast. The C0 value was obtained using data from 8 CTD casts on site S700 during the mooring deployment.

The temperature calibration applied was:

T = 18.506785 + 15.381837*X + 1.692264*X^2 + 0.527669*X^3

where:

X = (2*counts-4000)/2000

This is based on an instrument calibration done at POL just prior to the SES project.

Comparison with CTD data showed the TRB temperature to be between 0.2 degrees low and 0.3 degrees high.

The conductivity calibration applied was:

C = 4.26171 + 0.0190272*X - 4.80270E-06*X^2 + 1.53658E-09*X^3

where:

X = conductivity channel count

The conductivity sensor was obviously malfunctioning during this deployment and consequently comparison with CTD data is meaningless.

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
74083; TRB-1 and TRB-2 Self-recording Transmissometers
Data Activity Document : 66964
Fixed Station Document : 65240
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 496115

==========

Time Series Inventory Number : 8706

Start Time :	27 Mar 1995 1820 GMT	Latitude :	56deg 27.1min N
End Time :	01 Apr 1995 1157 GMT	Longitude :	009deg 09.5min W

Nominal Cycle Interval :	60.0 secs	Sensor Depth :	1.00m
	Sea Floor Depth :	712.00m	

Positional Uncertainty :	0.1 to 0.5 n.miles
Sea Floor Datum :	Instantaneous
Sensor Depth Datum :	Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category :	Hydrography time series at depth
Instrument Type :	Transmissometer
Instrument Mounting :	Subsurface mooring - subsurface buoyancy
Originator Laboratory :	Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier :	tr1761.677

==========

The following **cautions** apply to this series:

1) **The salinity data do not appear credible and have all been flagged suspect.**

2) **The rig was cut adrift at 11:58 on 01/04/1995 and the torroid was recovered adrift by a fishing vessel.**

==========

Additional information stored with the data:

Calibration details for TRB2 transmissometer serial number 1761 deployed on POL mooring 677.

Calibration from raw counts used the equation:

atten = -4 * ln ((counts - B)/C0 - B)

where:

INFORMATION FOR BODC SERIES REF. NO. 496115 (continued)

B = Blocked path counts (5)
C0 = Number of counts corresponding to 5V (3362)

Normal calibration procedures were not possible because the instrument logged counts of 4095 throughout the calibration cast. The C0 value was obtained using data from a single CTD cast on site S700 during the mooring deployment.

The temperature calibration applied was:

T = 18.506785 + 15.381837*X + 1.692264*X^2 + 0.527669*X^3

where:

X = (2*counts-4000)/2000

This is based on an instrument calibration done at POL just prior to the SES project.

Comparison with CTD data showed the TRB temperature to be 0.2 degrees high.

The conductivity calibration applied was:

C = 4.26171 + 0.0190272*X - 4.80270E-06*X^2 + 1.53658E-09*X^3

where:

X = conductivity channel count

The conductivity sensor was obviously malfunctioning during this deployment and consequently comparison with CTD data is meaningless.

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
74083; TRB-1 and TRB-2 Self-recording Transmissometers
Data Activity Document : 74825
Fixed Station Document : 65240
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 496127

==========

Time Series Inventory Number : 8747

Start Time :	15 Aug 1995 1904 GMT	Latitude :	56deg 28.0min N
End Time :	03 Sep 1995 1514 GMT	Longitude :	008deg 57.7min W

Nominal Cycle Interval :	60.0 secs	Sensor Depth :	1.00m
	Sea Floor Depth :	146.00m	

Positional Uncertainty :	0.5 to 1.0 n.miles
Sea Floor Datum :	Instantaneous
Sensor Depth Datum :	Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category :	Hydrography time series at depth
Instrument Type :	Transmissometer
Instrument Mounting :	Subsurface mooring - subsurface buoyancy
Originator Laboratory :	Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier :	tr1761.692

==========

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

1) **The salinity data do not appear credible and have all been flagged suspect.**

==========

Additional information stored with the data:

Calibration details for TRB2 transmissometer serial number 1761 deployed on POL mooring 692.

Calibration from raw counts used the equation:

atten = -4 * ln ((counts - B)/C0 - B)

where:

B = Blocked path counts (4)
C0 = Number of counts corresponding to 5V (4144)

INFORMATION FOR BODC SERIES REF. NO. 496127 (continued)

Normal calibration procedures were not possible because the instrument logged counts of 4095 throughout the calibration cast. The C0 value was obtained using data from 6 CTD casts on site S140 during the mooring deployment.

The temperature calibration applied was:

T = 18.506785 + 15.381837*X + 1.692264*X^2 + 0.527669*X^3

where:

X = (2*counts-4000)/2000

This is based on an instrument calibration done at POL just prior to the SES project.

Comparison with CTD data showed the TRB temperature to be between 0.2 and 0.5 degrees low.

The conductivity calibration applied was:

C = 4.26171 + 0.0190272*X - 4.80270E-06*X^2 + 1.53658E-09*X^3

where:

X = conductivity channel count

The conductivity sensor was obviously malfunctioning during this deployment and consequently comparison with CTD data is meaningless.

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
74083; TRB-1 and TRB-2 Self-recording Transmissometers
Data Activity Document : 66981
Fixed Station Document : 65206
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 496139

==========

Time Series Inventory Number : 8796

Start Time :	04 Sep 1995 1612 GMT	Latitude :	56deg 28.0min N
End Time :	27 Nov 1995 1127 GMT	Longitude :	008deg 57.5min W

Nominal Cycle Interval :	60.0 secs	Sensor Depth :	1.00m
	Sea Floor Depth :	145.90m	

Positional Uncertainty :	0.5 to 1.0 n.miles
Sea Floor Datum :	Instantaneous
Sensor Depth Datum :	Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category :	Hydrography time series at depth
Instrument Type :	Transmissometer
Instrument Mounting :	Subsurface mooring - subsurface buoyancy
Originator Laboratory :	Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier :	tr1761.741

==========

The following **cautions** apply to this series:

1) **The salinity data do not appear credible and have all been flagged suspect.**

2) **Towards the end of the record, the attenuance signal increased dramatically indicating fouling of the optics or flattening of the battery. All affected data have been flagged suspect.**

==========

Additional information stored with the data:

Calibration details for TRB2 transmissometer serial number 1761 deployed on POL mooring 741.

Calibration from raw counts used the equation:

atten = -4 * ln ((counts - B)/C0 - B)

where:

INFORMATION FOR BODC SERIES REF. NO. 496139 (continued)

B = Blocked path counts (4)
C0 = Number of counts corresponding to 5V (4458)

Normal calibration procedures were not possible because the instrument logged counts of 4095 throughout the calibration cast. The C0 value was obtained using data from a single CTD cast on site S140 during the mooring deployment.

The temperature calibration applied was:

T = 18.506785 + 15.381837*X + 1.692264*X^2 + 0.527669*X^3

where:

X = (2*counts-4000)/2000

This is based on an instrument calibration done at POL just prior to the SES project.

Comparison with CTD data showed the TRB temperature to be 0.45 degrees low.

The conductivity calibration applied was:

C = 4.26171 + 0.0190272*X - 4.80270E-06*X^2 + 1.53658E-09*X^3

where:

X = conductivity channel count

The conductivity sensor was obviously malfunctioning during this deployment and consequently comparison with CTD data is meaningless.

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
74083; TRB-1 and TRB-2 Self-recording Transmissometers
Data Activity Document : 69969
Fixed Station Document : 65206
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 496140

==========

Time Series Inventory Number : 8749

Start Time : 16 Aug 1995 0800 GMT Latitude : 56deg 26.9min N
End Time : 06 Sep 1995 0807 GMT Longitude : 009deg 02.8min W

Nominal Cycle Interval : 60.0 secs Sensor Depth : 1.00m
Sea Floor Depth : 195.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Hydrography time series at depth
Instrument Type : Transmissometer
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : tr1762.695

==========

The following **cautions** apply to this series:

1) **The salinity data do not appear credible and have all been flagged suspect.**

2) **No attenuance data are included because no calibration data were available.**

==========

Additional information stored with the data:

Calibration details for TRB2 transmissometer serial number 1762 deployed on POL mooring 695.

No calibration data were available and so no attenuance data are included in the data set.

The temperature calibration applied is unknown. Checks against CTD data on the mooring site showed the TRB to be reading 0.19 to 0.23 degrees low.

INFORMATION FOR BODC SERIES REF. NO. 496140 (continued)

The conductivity calibration applied is not known. The conductivity sensor was obviously malfunctioning during this deployment and consequently comparison with CTD data is meaningless.

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
74083; TRB-1 and TRB-2 Self-recording Transmissometers
Data Activity Document : 67387
Fixed Station Document : 65223
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 496152

==========

Time Series Inventory Number : 10095

Start Time : 27 Nov 1995 1554 GMT Latitude : 56deg 26.7min N
End Time : 06 Dec 1995 0956 GMT Longitude : 008deg 58.5min W

Nominal Cycle Interval : 60.0 secs Sensor Depth : 1.00m
Sea Floor Depth : 143.50m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Hydrography time series at depth
Instrument Type : Transmissometer
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : tr1761.735

==========

The following **cautions** apply to this series:

1) **The salinity data do not appear credible and have all been flagged suspect.**

2) **The rig was cut free, probably due to fishing activity, and was recovered adrift by Challenger cruise CH123B. An Argos alert that the rig was moving was received at 18:00 GMT on 05/12/1995. The drifting rig was recovered at 12:00 on 06/12/1995 at 56 deg 42.64'N, 9 deg 06.16'W.**

==========

Additional information stored with the data:

Calibration details for TRB2 transmissometer serial number 1761 deployed on POL mooring 735.

Calibration from raw counts used the equation:

atten = -4 * ln ((counts - B)/C0 - B)

INFORMATION FOR BODC SERIES REF. NO. 496152 (continued)

where:

B = Blocked path counts (4)
C0 = Number of counts corresponding to 5V (4411)

Normal calibration procedures were not possible because the instrument logged counts of 4095 throughout the calibration cast. The C0 value was obtained using data from a CTD cast on site S140 on 27/11/1995.

The temperature calibration applied was:

T = 18.506785 + 15.381837*X + 1.692264*X^2 + 0.527669*X^3

where:

X = (2*counts-4000)/2000

This was based on an instrument calibration done at POL just prior to the SES project.

Comparison with CTD data showed the TRB temperature to be 0.4 degrees low.

The conductivity calibration applied was:

C = 4.26171 + 0.0190272*X - 4.80270E-06*X^2 + 1.53658E-09*X^3

where:

X = conductivity channel count

The conductivity sensor was obviously malfunctioning during this deployment and consequently comparison with CTD data is meaningless.

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
74083; TRB-1 and TRB-2 Self-recording Transmissometers
Data Activity Document : 69941
Fixed Station Document : 65206
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 496164

==========

Time Series Inventory Number : 10096

Start Time	: 17 Apr 1996	0805 GMT	Latitude	:	56deg 28.0min N
End Time	: 15 Jul 1996	1358 GMT	Longitude	:	008deg 57.8min W

Nominal Cycle Interval	: 60.0 secs	Sensor Depth	:	1.00m
	Sea Floor Depth	: 148.00m		

Positional Uncertainty	:	0.1 to 0.5 n.miles
Sea Floor Datum	:	Instantaneous
Sensor Depth Datum	:	Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category	:	Hydrography time series at depth
Instrument Type	:	Transmissometer
Instrument Mounting	:	Subsurface mooring - subsurface buoyancy
Originator Laboratory	:	Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier	:	tr1686.763

==========

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

1) **Towards the end of the record, the attenuance signal increased dramatically indicating fouling of the optics or flattening of the battery. All affected data have been flagged suspect.**

==========

Additional information stored with the data:

Calibration details for TRB2 transmissometer serial number 1686 deployed on POL mooring 763.

Calibration from raw counts used the equation:

atten = -4 * ln ((counts - B)/C0 - B)

where:

B = Blocked path counts (4)
C0 = Number of counts corresponding to 5V (4713.76)

INFORMATION FOR BODC SERIES REF. NO. 496164 (continued)

Normal calibration procedures were not possible because the instrument logged counts of 4095 throughout the calibration cast. The C0 value was obtained using averaged data from 16 CTD casts on site S140 during the mooring deployment.

The temperature calibration applied was:

T = 18.542436 + 14.976762*X + 1.700243*X^2 + 0.948268*X^3

where:

X = (2*counts-4000)/2000

This is based on an instrument calibration done at POL just prior to the SES project.

Comparison with CTD data showed the TRB temperature to be within 0.1 degrees at the start of the record and on 29/04/1996. However, the next CTD cast on 13/07/1996 showed the TRB to be reading 4.55 degrees high. A steady rise in baseline temperature could be seen starting part way through the record and all data believed to be affected by drift have been flagged suspect.

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
74083; TRB-1 and TRB-2 Self-recording Transmissometers
Data Activity Document : 67390
Fixed Station Document : 65206
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 496176

==========

Time Series Inventory Number : 10098

Start Time	: 18 Apr 1996	1636 GMT	Latitude	:	56deg 28.2min N
End Time	: 17 Jul 1996	1432 GMT	Longitude	:	009deg 09.8min W

Nominal Cycle Interval : 60.0 secs Sensor Depth : 1.00m
Sea Floor Depth : 698.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Hydrography time series at depth
Instrument Type : Transmissometer
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : tr1761.769

==========

The following **cautions** apply to this series:

1) **The salinity data do not appear credible and have all been flagged suspect.**

2) **Towards the end of the record, the attenuance signal increased dramatically indicating fouling of the optics or flattening of the battery. All affected data have been flagged suspect.**

==========

Additional information stored with the data:

Calibration details for TRB2 transmissometer serial number 1761 deployed on POL mooring 769.

Calibration from raw counts used the equation:

atten = -4 * ln ((counts - B)/C0 - B)

INFORMATION FOR BODC SERIES REF. NO. 496176 (continued)

where:

B = Blocked path counts (4)
C0 = Number of counts corresponding to 5V (4812.49)

The instrument was calibrated by attaching it to the CTD frame during a cast. The following comparisons were made between the CTD and TRB data during the deployment:

CAST	DATE/TIME	CTD ATTEN	TRB ATTEN
CP71.CH126B	29/04/1996 23:39	0.963	0.935
CP72.CH126B	30/04/1996 01:22	0.991	0.932
CP74.CH126B	30/04/1996 05:03	0.822	0.899
CP77.CH126B	30/04/1996 15:30	0.949	1.038
CP133.CH126B	05/05/1996 07:52	0.892	1.069
CP191.CH126B	11/05/1996 00:54	0.708	1.018

The temperature calibration applied was:

T = 18.506785 + 15.381837*X + 1.692264*X^2 + 0.527669*X^3

where:

X = (2*counts-4000)/2000

This is based on an instrument calibration done at POL just prior to the SES project.

Comparison with CTD data showed the TRB temperature to be 0.4-0.45 degrees low.

The conductivity calibration applied was:

C = 4.26171 + 0.0190272*X - 4.80270E-06*X^2 + 1.53658E-09*X^3

where:

X = conductivity channel count

The conductivity sensor was obviously malfunctioning during this deployment and consequently comparison with CTD data is meaningless.

==========

INFORMATION FOR BODC SERIES REF. NO. 496176 (continued)

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
74083; TRB-1 and TRB-2 Self-recording Transmissometers
Data Activity Document : 67403
Fixed Station Document : 65240
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 496188

==========

Time Series Inventory Number : 10097

Start Time	: 19 Apr 1996	1442 GMT	Latitude	:	56deg 27.7min N
End Time	: 13 Jul 1996	1848 GMT	Longitude	:	009deg 03.6min W

Nominal Cycle Interval : 60.0 secs Sensor Depth : 1.00m
Sea Floor Depth : 290.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Hydrography time series at depth
Instrument Type : Transmissometer
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : tr1762.766

==========

The following **cautions** apply to this series:

1) **The salinity data do not appear credible and have all been flagged suspect.**

2) **No attenuance data are included because no calibration data were available.**

==========

Additional information stored with the data:

Calibration details for TRB2 transmissometer serial number 1762 deployed on POL mooring 766.

No calibration data were available and so no attenuance data are included in the data set.

The temperature calibration applied is unknown. Checks against CTD data on the mooring site showed the TRB to be reading 0.12 to 0.19 degrees low.

INFORMATION FOR BODC SERIES REF. NO. 496188 (continued)

The conductivity calibration applied is not known. The conductivity sensor was obviously malfunctioning during this deployment and, consequently, comparison with CTD data is meaningless.

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
74083; TRB-1 and TRB-2 Self-recording Transmissometers
Data Activity Document : 67417
Fixed Station Document : 65237
Project Documents : 65159, 70202

==========

Meteorological Instrument Index

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

Series Ref	Data Type	Latitude deg min	Longitude deg min	Start Date yyyy/mm/dd	Sea Floor Depth m	Sensor Depth m
427366	CD	56 27.3 N	008 58.4 W	1995/08/17	146.0	-2.0
427378	CD	56 27.1 N	008 58.3 W	1995/03/23	145.0	-2.0
427391	CD	56 27.2 N	008 57.8 W	1996/04/15	146.0	-2.0
506050	OI	56 28.0 N	008 57.7 W	1995/05/15	148.0	1.0
506062	OI	56 28.0 N	008 57.1 W	1995/07/25	148.0	1.0
506074	OI	56 27.3 N	009 03.9 W	1995/05/08	300.5	1.0
506086	OI	56 28.0 N	008 57.8 W	1996/04/17	148.0	1.0
506098	OI	56 28.2 N	009 09.8 W	1996/04/19	698.0	1.0

where Data Type CD = Meteorology -meteorological data buoy
OI = Subsurface irradiance

INFORMATION FOR BODC SERIES REF. NO. 427366

==========

Time Series Inventory Number : 8744

Start Time :	17 Aug 1995 1131 GMT	Latitude :	56deg 27.3min N
End Time :	17 Nov 1995 0811 GMT	Longitude :	008deg 58.4min W

Nominal Cycle Interval :	10.0 minutes	Minimum Depth :	-2.00m
Maximum Depth :	0.20m	Sea Floor Depth :	146.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Depth Datum : Instantaneous
Disposition of Sensors : Scattered at fixed depths

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Meteorology -meteorological data buoy
Instrument Type : Meteorological data logger
Instrument Mounting : Moored surface data buoy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : metbuoy.690

==========

The following **warnings** apply to this series:

1) **The sea surface temperature data are noisy and in places exhibit a step function of approximate amplitude 0.5 degC.**

2) **The solar radiation, air temperature and sea surface temperature data should be used with extreme care: the sensors have not been adequately calibrated and the values stored are provided as a guide. At best, BODC advise the following uncertainties be borne in mind:**

   Solar Radiation +/- 50 W/m2 (values between -100 and +100 at night have been left unflagged deliberately to give a feel for the quality of the calibration).

   Air temperature +/- 2 C (the data having been compared with a land-based met station).

   Sea surface temperature +/- 0.2 C.

==========

INFORMATION FOR BODC SERIES REF. NO. 427366 (continued)

Additional information stored with the data:

Calibration formulae

The following formulae were used to convert from datalogger readings to scientific units:

Wind Speed (m/s) = 0.074625 x (datalogger reading)
[source: Aanderaa Instruments]

Wind Direction (deg) = 0.3515625 x (datalogger reading)
further corrected to True North by subtraction of 9 degrees
[source: Proudman Oceanographic Laboratory]

Solar Radiation (W/m2) = (datalogger reading - 666) / 0.252
[source: BODC, derived from shipborne solarimeters nearby]

Air Temperature (C) = (datalogger reading - 717) / 6.94
[source: BODC, derived from land-based met station data]

Sea Surface Temperature (C) = (datalogger reading - 266) / 19.3
[source: BODC, derived from nearby CTD data]

==========

The following additional documents apply to this series:
(see Section B of this report)

Basic Documents	:	65394, 65407
Fixed Station Document	:	65206
Project Documents	:	65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 427378

==========

Time Series Inventory Number : 8788

Start Time :	23 Mar 1995 1642 GMT	Latitude :	56deg 27.1min N
End Time :	15 May 1995 0712 GMT	Longitude :	008deg 58.3min W

Nominal Cycle Interval :	10.0 minutes	Minimum Depth :	-2.00m
Maximum Depth :	0.20m	Sea Floor Depth :	145.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Depth Datum : Instantaneous
Disposition of Sensors : Scattered at fixed depths

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Meteorology -meteorological data buoy
Instrument Type : Meteorological data logger
Instrument Mounting : Moored surface data buoy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : metbuoy.731

==========

The following **warnings** apply to this series:

1) **The sea surface temperature data are noisy and in places exhibit a step function of approximate amplitude 0.5 degC.**

2) **The solar radiation, air temperature and sea surface temperature data should be used with extreme care: the sensors have not been adequately calibrated and the values stored are provided as a guide. At best, BODC advise the following uncertainties be borne in mind:**

   Solar Radiation +/- 50 W/m2 (values between -100 and +100 at night have been left unflagged deliberately to give a feel for the quality of the calibration).

   Air temperature +/- 2 C (the data having been compared with a land-based met station).

   Sea surface temperature +/- 0.2 C.

==========

INFORMATION FOR BODC SERIES REF. NO. 427378 (continued)

Additional information stored with the data:

Calibration formulae

The following formulae were used to convert from datalogger readings to scientific units:

Wind Speed (m/s) = 0.074625 x (datalogger reading)
[source: Aanderaa Instruments]

Wind Direction (deg) = 0.3515625 x (datalogger reading)
further corrected to True North by subtraction of 9 degrees
[source: Proudman Oceanographic Laboratory]

Solar Radiation (W/m2) = (datalogger reading - 645) / 0.252
[source: BODC, derived from shipborne solarimeters nearby]

Air Temperature (C) = (datalogger reading - 670) / 6.73
[source: BODC, derived from land-based met station data]

Sea Surface Temperature (C) = (datalogger reading - 214) / 22.3
[source: BODC, derived from nearby CTD data]

==========

The following additional documents apply to this series:
(see Section B of this report)

Basic Documents	:	65394, 65407
Fixed Station Document	:	65206
Project Documents	:	65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 427391

==========

Time Series Inventory Number : 8820

Start Time :	15 Apr 1996 1306 GMT	Latitude :	56deg 27.2min N
End Time :	15 Jul 1996 1236 GMT	Longitude :	008deg 57.8min W

Nominal Cycle Interval :	10.0 minutes	Minimum Depth :	-2.00m
Maximum Depth :	0.20m	Sea Floor Depth :	146.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Depth Datum : Instantaneous
Disposition of Sensors : Scattered at fixed depths

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Meteorology -meteorological data buoy
Instrument Type : Meteorological data logger
Instrument Mounting : Moored surface data buoy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : metbuoy.759

==========

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

1) **The solar radiation, air temperature and sea surface temperature data should be used with extreme care: the sensors have not been adequately calibrated and the values stored are provided as a guide. At best, BODC advise the following uncertainties be borne in mind:**

   Solar Radiation +/- 50 W/m2 (values between -100 and +100 at night have been left unflagged deliberately to give a feel for the quality of the calibration).

   Air temperature +/- 2 C (the data having been compared with a land-based met station).

   Sea surface temperature +/- 0.2 C.

==========

INFORMATION FOR BODC SERIES REF. NO. 427391 (continued)

Additional information stored with the data:

Calibration formulae

The following formulae were used to convert from datalogger readings to scientific units.

Wind Speed (m/s) = 0.074625 x (datalogger reading)
[source: Aanderaa Instruments]

Wind Direction (deg) = 0.3515625 x (datalogger reading)
further corrected to True North by subtraction of 9 degrees
[source: Proudman Oceanographic Laboratory]

Solar Radiation (W/m2) = (datalogger reading - 653 - 9.65e-4*cycle) / 0.252
[source: BODC, derived from shipborne solarimeters nearby]

Air Temperature (C) = (datalogger reading - 706) / 5.46
[source: BODC, derived from land-based met station data]

Sea Surface Temperature (C) = (datalogger reading - 275) / 16.3
[source: BODC, derived from nearby CTD data]

==========

The following additional documents apply to this series:
(see Section B of this report)

Basic Documents	:	65394, 65407
Fixed Station Document	:	65206
Project Documents	:	65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 506050

==========

Time Series Inventory Number : 10100

Start Time :	15 May 1995 1201 GMT	Latitude :	56deg 28.0min N
End Time :	23 Jul 1995 1201 GMT	Longitude :	008deg 57.7min W

Nominal Cycle Interval :	24.0 hours	Sensor Depth :	1.00m
	Sea Floor Depth :	148.00m	

Positional Uncertainty :	0.5 to 1.0 n.miles
Sea Floor Datum :	Instantaneous
Sensor Depth Datum :	Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category :	Subsurface irradiance
Instrument Type :	Light meter
Instrument Mounting :	Subsurface mooring - surface and subsurface legs
Originator Laboratory :	University College of North Wales
Originator's Identifier :	CS20.688

==========

Additional information stored with the data:

The calibrations applied to obtain chlorophyll estimates from the spectral outputs were:

log10(chl) = -1.160 * log10(440V/570V) + log10(0.123)
log10(chl) = -1.605 * log10(490V/570V) + log10(0.334)

where:

440V = output at 440 nm
490V = output at 490 nm
570V = output at 570 nm

==========

INFORMATION FOR BODC SERIES REF. NO. 506050 (continued)

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
75111; UNW Ocean Colour Sensors
Data Activity Document : 69938
Fixed Station Document : 65206
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 506062

==========

Time Series Inventory Number : 10101

Start Time	: 25 Jul 1995	1201 GMT	Latitude	:	56deg 28.0min N
End Time	: 14 Aug 1995	1201 GMT	Longitude	:	008deg 57.1min W

Nominal Cycle Interval	: 24.0 hours	Sensor Depth	:	1.00m
	Sea Floor Depth	: 148.00m		

Positional Uncertainty	:	1.0 to 5.0 n.miles
Sea Floor Datum	:	Instantaneous
Sensor Depth Datum	:	Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category	:	Subsurface irradiance
Instrument Type	:	Light meter
Instrument Mounting	:	Subsurface mooring - surface and subsurface legs
Originator Laboratory	:	University College of North Wales
Originator's Identifier	:	CS20.739

==========

Additional information stored with the data:

The calibrations applied to obtain chlorophyll estimates from the spectral outputs were:

log10(chl) = -1.160 * log10(440V/570V) + log10(0.123)
log10(chl) = -1.605 * log10(490V/570V) + log10(0.334)

where:

440V = output at 440 nm
490V = output at 490 nm
570V = output at 570 nm

==========

INFORMATION FOR BODC SERIES REF. NO. 506062 (continued)

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
75111; UNW Ocean Colour Sensors
Data Activity Document : 66995
Fixed Station Document : 65206
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 506074

==========

Time Series Inventory Number : 10102

Start Time : 08 May 1995 1211 GMT Latitude : 56deg 27.3min N
End Time : 13 Aug 1995 1211 GMT Longitude : 009deg 03.9min W

Nominal Cycle Interval : 24.0 hours Sensor Depth : 1.00m
Sea Floor Depth : 300.50m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Subsurface irradiance
Instrument Type : Light meter
Instrument Mounting : Subsurface mooring - surface and subsurface legs
Originator Laboratory : University College of North Wales
Originator's Identifier : CS21.681

==========

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

1) **The chlorophyll values computed from the 490/570 nm spectral ratio exceed 10 mg/m3 at times and should therefore be regarded as suspect.**

==========

Additional information stored with the data:

The calibrations applied to obtain chlorophyll estimates from the spectral outputs were:

log10(chl) = -1.160 * log10(440V/570V) + log10(0.123)
log10(chl) = -1.605 * log10(490V/570V) + log10(0.334)

where:

440V = output at 440 nm
490V = output at 490 nm
570V = output at 570 nm

==========

INFORMATION FOR BODC SERIES REF. NO. 506074 (continued)

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
75111; UNW Ocean Colour Sensors
Data Activity Document : 66978
Fixed Station Document : 65237
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 506086

==========

Time Series Inventory Number : 10103

Start Time	: 17 Apr 1996	1211 GMT	Latitude	:	56deg 28.0min N
End Time	: 28 Jun 1996	1211 GMT	Longitude	:	008deg 57.8min W

Nominal Cycle Interval	: 24.0 hours		Sensor Depth	: 1.00m
	Sea Floor Depth	: 148.00m		

Positional Uncertainty	: 0.5 to 1.0 n.miles
Sea Floor Datum	: Instantaneous
Sensor Depth Datum	: Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category	: Subsurface irradiance
Instrument Type	: Light meter
Instrument Mounting	: Subsurface mooring - surface and subsurface legs
Originator Laboratory	: University College of North Wales
Originator's Identifier	: CS21.763

==========

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

1) **The chlorophyll values computed from the 440/570 nm spectral ratio exceed 10 mg/m3 at times and should therefore be regarded as suspect.**

==========

Additional information stored with the data:

The calibrations applied to obtain chlorophyll estimates from the spectral outputs were:

log10(chl) = -1.681 * log10(440V/570V) + log10(0.199)
log10(chl) = -1.605 * log10(490V/570V) + log10(0.334)

where:

440V = output at 440 nm
490V = output at 490 nm
570V = output at 570 nm

==========

INFORMATION FOR BODC SERIES REF. NO. 506086 (continued)

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
75111; UNW Ocean Colour Sensors
Data Activity Document : 67390
Fixed Station Document : 65206
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 506098

==========

Time Series Inventory Number : 10104

Start Time :	19 Apr 1996 1211 GMT	Latitude :	56deg 28.2min N
End Time :	15 Jun 1996 1211 GMT	Longitude :	009deg 09.8min W

Nominal Cycle Interval :	24.0 hours	Sensor Depth :	1.00m
	Sea Floor Depth :	698.00m	

Positional Uncertainty :	1.0 to 5.0 n.miles
Sea Floor Datum :	Instantaneous
Sensor Depth Datum :	Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category :	Subsurface irradiance
Instrument Type :	Light meter
Instrument Mounting :	Subsurface mooring - surface and subsurface legs
Originator Laboratory :	University College of North Wales
Originator's Identifier :	CS22.769

==========

Additional information stored with the data:

The calibrations applied to obtain chlorophyll estimates from the spectral outputs were:

log10(chl) = -1.681 * log10(440V/570V) + log10(0.199)
log10(chl) = -1.605 * log10(490V/570V) + log10(0.334)

where:

440V = output at 440 nm
490V = output at 490 nm
570V = output at 570 nm

==========

INFORMATION FOR BODC SERIES REF. NO. 506098 (continued)

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
75111; UNW Ocean Colour Sensors
Data Activity Document : 67403
Fixed Station Document : 65240
Project Documents : 65159, 70202

==========

Recording Current Meter Index

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

Series Ref	Data Type	Latitude deg min	Longitude deg min	Start Date yyyy/mm/dd	Sea Floor Depth m	Sensor Depth m
431236	LA	56 27.6 N	009 09.9 W	1995/05/11	711.0	113.0
431248	LA	56 27.6 N	009 09.8 W	1995/08/13	702.0	104.0
431261	LA	56 27.2 N	009 02.8 W	1995/03/31	194.0	44.0
431273	LA	56 27.2 N	009 02.8 W	1995/04/17	207.0	57.0
431285	LA	56 27.3 N	009 02.8 W	1995/05/10	203.0	53.0
431297	LA	56 27.6 N	009 09.9 W	1995/05/11	711.0	61.0
431304	LA	56 27.6 N	009 09.8 W	1995/08/13	702.0	52.0
431316	LA	56 27.5 N	009 03.8 W	1995/05/09	300.0	45.0
431328	LA	56 27.5 N	009 03.8 W	1995/08/14	300.0	49.0
431341	LA	56 27.5 N	009 03.8 W	1995/05/09	300.0	99.0
431353	LA	56 27.5 N	009 03.8 W	1995/08/14	300.0	100.0
431365	LA	56 27.5 N	009 03.7 W	1995/09/03	304.0	50.0
431377	LA	56 37.5 N	009 01.2 W	1995/08/16	298.0	153.0
431389	LA	56 27.0 N	009 04.8 W	1995/08/15	398.0	395.0
431390	LA	56 37.5 N	009 01.2 W	1995/08/16	298.0	44.0
431408	LA	56 27.5 N	009 03.8 W	1995/05/09	300.0	261.0
431421	LA	56 27.5 N	009 03.8 W	1995/08/14	300.0	261.0
431433	LA	56 27.5 N	009 03.7 W	1995/09/03	304.0	159.0
431445	LA	56 37.7 N	008 59.7 W	1995/05/13	200.0	50.0
431457	LA	56 27.6 N	009 09.9 W	1995/05/11	711.0	661.0
436136	LA	56 28.5 N	009 03.7 W	1995/03/28	296.0	47.0
436148	LA	56 26.9 N	008 58.8 W	1995/11/19	148.0	50.0
436161	LA	56 27.7 N	009 09.7 W	1995/03/29	695.0	45.0
436173	LA	56 36.3 N	008 56.1 W	1995/05/12	139.0	51.0
436185	LA	56 27.7 N	008 57.8 W	1995/08/11	150.0	55.0
436197	LA	56 27.7 N	008 57.9 W	1995/09/02	147.0	52.0
436204	LA	56 27.9 N	009 09.8 W	1996/02/05	700.0	50.0
436216	LA	56 27.3 N	009 03.9 W	1996/04/19	291.0	89.0
436228	LA	56 27.6 N	008 57.9 W	1996/02/01	145.0	47.0
436241	LA	56 27.3 N	009 03.9 W	1996/04/19	291.0	21.0
436253	LA	56 37.5 N	009 01.3 W	1996/02/03	301.0	157.0
436265	LA	56 37.5 N	009 01.3 W	1996/02/03	301.0	51.0
436277	LA	56 27.9 N	009 09.8 W	1996/02/05	700.0	307.0
436289	LA	56 27.3 N	009 03.9 W	1996/04/19	291.0	146.0
436290	LA	56 27.1 N	009 03.0 W	1996/04/24	207.0	38.0
436308	LA	56 27.1 N	009 03.0 W	1996/04/24	207.0	116.0
438874	LA	56 27.8 N	008 57.5 W	1996/04/17	146.0	31.0
438886	LA	56 27.3 N	009 03.9 W	1996/07/11	303.0	101.0
438898	LA	56 27.3 N	009 03.9 W	1996/07/11	303.0	33.0
438905	LA	56 27.7 N	009 03.7 W	1995/11/27	302.0	52.0
438917	LA	56 27.7 N	009 09.8 W	1996/04/18	699.0	110.0
438929	LA	56 27.8 N	008 57.5 W	1996/04/17	146.0	83.0
438930	LA	56 27.7 N	009 09.8 W	1996/04/18	699.0	248.0
438942	LA	56 27.7 N	009 09.8 W	1996/04/18	699.0	31.0

Series Ref	Data Type	Latitude deg min	Longitude deg min	Start Date yyyy/mm/dd	Sea Floor Depth m	Sensor Depth m
438954	LA	56 27.3 N	009 03.9 W	1996/07/11	303.0	158.0
438966	LA	56 37.2 N	009 01.1 W	1996/07/11	295.0	151.0
438978	LA	56 27.7 N	008 11.5 W	1996/07/12	149.0	85.0
438991	LA	56 37.6 N	009 01.2 W	1995/05/14	304.0	54.0
439005	LA	56 27.3 N	009 03.9 W	1996/04/19	291.0	252.0
439017	LA	56 27.7 N	009 09.8 W	1996/04/18	699.0	591.0
439029	LA	56 27.4 N	008 57.9 W	1996/07/13	147.0	83.0
439030	LA	56 27.3 N	009 03.9 W	1996/07/11	303.0	264.0
439042	LA	56 27.2 N	009 02.8 W	1995/03/31	194.0	94.0
439054	LA	56 27.2 N	009 02.8 W	1995/04/17	207.0	107.0
439066	LA	56 27.3 N	009 02.8 W	1995/05/10	203.0	105.0
439078	LA	56 37.6 N	009 01.1 W	1996/07/11	295.0	25.0
439091	LA	56 27.1 N	009 03.0 W	1996/04/24	207.0	199.0
439109	LA	56 36.3 N	008 55.9 W	1996/04/23	134.0	23.0
439110	LA	56 36.3 N	008 55.9 W	1996/04/23	134.0	74.0
439122	LA	56 36.3 N	008 55.9 W	1996/04/23	134.0	125.0
439134	LA	56 37.4 N	009 01.3 W	1996/04/23	300.0	32.0
439146	LA	56 37.4 N	009 01.3 W	1996/04/23	300.0	293.0
439158	LA	56 37.6 N	009 01.1 W	1996/07/11	295.0	288.0
439171	LA	56 28.1 N	008 57.7 W	1995/03/31	145.0	135.0
439183	LA	56 28.1 N	008 57.7 W	1995/03/31	145.0	50.0
439195	LA	56 27.7 N	009 09.7 W	1995/03/29	695.0	688.0
439202	LA	56 42.6 N	009 24.5 W	1995/05/13	1497.0	1490.0
439214	LA	56 43.1 N	009 24.5 W	1995/03/29	1534.0	1527.0
439226	LA	56 27.2 N	009 02.8 W	1995/03/31	194.0	184.0
439238	LA	56 37.5 N	009 01.2 W	1995/08/16	298.0	291.0
439251	LA	56 27.6 N	009 09.9 W	1995/05/11	711.0	704.0
439263	LA	56 27.6 N	009 09.9 W	1995/05/11	711.0	222.0
439275	LA	56 27.6 N	009 09.8 W	1995/08/13	702.0	213.0
439287	LA	56 36.3 N	008 56.1 W	1995/05/12	139.0	132.0
439299	LA	56 27.2 N	009 02.8 W	1995/08/11	150.0	140.0
439306	LA	56 27.5 N	009 03.8 W	1995/05/09	300.0	293.0
439318	LA	56 27.5 N	009 03.8 W	1995/08/14	300.0	293.0
439331	LA	56 27.5 N	009 03.8 W	1995/05/09	300.0	155.0
439343	LA	56 27.5 N	009 03.8 W	1995/08/14	300.0	156.0
439355	LA	56 27.2 N	009 02.8 W	1995/04/17	207.0	197.0
439367	LA	56 26.9 N	008 57.8 W	1995/11/19	148.0	139.0
439379	LA	56 27.7 N	008 57.9 W	1995/09/02	147.4	137.4
439380	LA	56 27.6 N	008 57.9 W	1996/02/01	145.0	136.0
439392	LA	56 43.6 N	009 24.8 W	1996/02/06	1516.0	1509.0
439411	LA	56 27.8 N	008 57.5 W	1996/04/17	146.0	137.0
439423	LA	56 27.3 N	009 03.9 W	1996/04/19	291.0	284.0
439435	LA	56 29.1 N	009 35.6 W	1996/04/21	1501.0	705.0
439447	LA	56 27.3 N	009 02.8 W	1995/05/10	203.0	193.0
439459	LA	56 27.7 N	009 09.8 W	1996/04/18	699.0	692.0
439460	LA	56 27.3 N	009 03.9 W	1996/07/11	303.0	296.0
439472	LA	56 42.6 N	009 24.5 W	1996/04/22	1469.0	1461.0
439484	LA	56 28.1 N	008 57.7 W	1995/05/09	148.5	138.5
508093	LA	56 37.2 N	006 24.0 W	1994/11/28	47.0	36.0
508100	LA	56 37.1 N	006 24.4 W	1995/07/29	42.0	31.0

Series Ref	Data Type	Latitude deg min	Longitude deg min	Start Date yyyy/mm/dd	Sea Floor Depth m	Sensor Depth m
508112	LA	56 37.3 N	006 24.3 W	1996/05/16	42.0	31.0
508161	LA	56 37.2 N	006 24.0 W	1994/11/28	47.0	25.0
508173	LA	56 37.1 N	006 24.4 W	1995/07/29	42.0	20.0
508185	LA	56 37.3 N	006 24.3 W	1996/05/16	42.0	20.0
508228	LA	56 37.1 N	006 23.6 W	1995/04/14	44.0	33.0
508241	LA	56 37.3 N	006 23.3 W	1996/01/19	42.0	31.0
508277	LA	56 37.1 N	006 23.6 W	1995/04/14	44.0	22.0
508289	LA	56 37.3 N	006 23.3 W	1996/01/19	42.0	20.0

where Data Type LA = Currents -subsurface Eulerian

INFORMATION FOR BODC SERIES REF. NO. 431236

==========

Time Series Inventory Number : 8729

Start Time : 11 May 1995 1344 GMT Latitude : 56deg 27.6min N
End Time : 04 Aug 1995 0814 GMT Longitude : 009deg 09.9min W

Nominal Cycle Interval : 30.0 minutes Sensor Depth : 113.00m
Sea Floor Depth : 711.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as03308.684

==========

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

1) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65271
Fixed Station Document : 65240
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 431248

==========

Time Series Inventory Number : 8767

Start Time :	13 Aug 1995 1655 GMT	Latitude :	56deg 27.6min N
End Time :	06 Sep 1995 0455 GMT	Longitude :	009deg 09.8min W

Nominal Cycle Interval :	30.0 minutes	Sensor Depth :	104.00m
	Sea Floor Depth :	702.00m	

Positional Uncertainty :	0.1 to 0.5 n.miles
Sea Floor Datum :	Instantaneous
Sensor Depth Datum :	Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category :	Currents -subsurface Eulerian
Instrument Type :	Paddle wheel current meter
Instrument Mounting :	Subsurface mooring - subsurface buoyancy
Originator Laboratory :	Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier :	as03308.702

==========

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

1) **This instrument was recovered adrift after the mooring had been damaged by trawling.**

==========

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

1) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

INFORMATION FOR BODC SERIES REF. NO. 431248 (continued)

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65285
Fixed Station Document : 65240
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 431261

==========

Time Series Inventory Number : 8684

Start Time :	31 Mar 1995 2025 GMT	Latitude :	56deg 27.2min N
End Time :	16 Apr 1995 1255 GMT	Longitude :	009deg 02.8min W

Nominal Cycle Interval : 10.0 minutes Sensor Depth : 44.00m
Sea Floor Depth : 194.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - surface and subsurface legs
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as06152.664

==========

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

1) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65547
Fixed Station Document : 65223
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 431273

==========

Time Series Inventory Number : 8694

Start Time : 17 Apr 1995 1535 GMT Latitude : 56deg 27.2min N
End Time : 09 May 1995 1725 GMT Longitude : 009deg 02.8min W

Nominal Cycle Interval : 10.0 minutes Sensor Depth : 57.00m
Sea Floor Depth : 207.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - surface and subsurface legs
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as06152.669

==========

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

1) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65550
Fixed Station Document : 65223
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 431285

==========

Time Series Inventory Number : 8723

Start Time : 10 May 1995 1415 GMT Latitude : 56deg 27.3min N
End Time : 23 Aug 1995 0415 GMT Longitude : 009deg 02.8min W

Nominal Cycle Interval : 30.0 minutes Sensor Depth : 53.00m
Sea Floor Depth : 203.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as06152.683

==========

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

1) **This instrument was recovered adrift after the mooring had been damaged by trawling.**

==========

The following **cautions** apply to this series:

1) **The current data are noisy and should be used with care.**

2) **Exceptional variability in the temperature signal indicates that the instrument was subject to oscillations of the thermocline.**

3) **It is possible that the rig moved at 10:45 on May 14th 1995 as indicated by pressure sensors on the rig.**

4) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

INFORMATION FOR BODC SERIES REF. NO. 431285 (continued)

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65315
Fixed Station Document : 65223
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 431297

==========

Time Series Inventory Number : 8727

Start Time : 11 May 1995 1345 GMT Latitude : 56deg 27.6min N
End Time : 04 Aug 1995 0815 GMT Longitude : 009deg 09.9min W

Nominal Cycle Interval : 30.0 minutes Sensor Depth : 61.00m
Sea Floor Depth : 711.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as06749.684

==========

The following **cautions** apply to this series:

1) **Exceptional variability in the temperature signal indicates that the instrument was subject to oscillations of the thermocline.**

2) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65271
Fixed Station Document : 65240
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 431304

==========

Time Series Inventory Number : 8765

Start Time : 13 Aug 1995 1656 GMT Latitude : 56deg 27.6min N
End Time : 06 Sep 1995 0456 GMT Longitude : 009deg 09.8min W

Nominal Cycle Interval : 30.0 minutes Sensor Depth : 52.00m
Sea Floor Depth : 702.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as06749.702

==========

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

1) **This instrument was recovered adrift after the mooring had been damaged by trawling.**

==========

The following **cautions** apply to this series:

1) **Exceptional variability in the temperature signal indicates that the instrument was subject to oscillations of the thermocline.**

2) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

INFORMATION FOR BODC SERIES REF. NO. 431304 (continued)

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65285
Fixed Station Document : 65240
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 431316

==========

Time Series Inventory Number : 8712

Start Time : 09 May 1995 1645 GMT Latitude : 56deg 27.5min N
End Time : 12 Aug 1995 0915 GMT Longitude : 009deg 03.8min W

Nominal Cycle Interval : 30.0 minutes Sensor Depth : 45.00m
Sea Floor Depth : 300.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as08240.682

==========

The following **cautions** apply to this series:

1) **Exceptional variability in the temperature signal indicates that the instrument was subject to oscillations of the thermocline.**

2) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65254
Fixed Station Document : 65237
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 431328

==========

Time Series Inventory Number : 8753

Start Time : 14 Aug 1995 1410 GMT Latitude : 56deg 27.5min N
End Time : 02 Sep 1995 1001 GMT Longitude : 009deg 03.8min W

Nominal Cycle Interval : 5.0 minutes Sensor Depth : 49.00m
Sea Floor Depth : 300.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as08240.698

==========

The following **warnings** apply to this series:

1) **The current data are very noisy and should be used with extreme care.**

2) **Pressure sensors on the current meters deployed on this rig record an increase of 5 dbars between 00:00 and 12:00 on August 25th 1995. This suggests that the rig slipped or was dragged downslope by a fishing vessel.**

==========

The following **cautions** apply to this series:

1) **The current data are noisy and should be used with care.**

2) **Exceptional variability in the temperature signal indicates that the instrument was subject to oscillations of the thermocline.**

INFORMATION FOR BODC SERIES REF. NO. 431328 (continued)

3) Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65268
Fixed Station Document : 65237
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 431341

==========

Time Series Inventory Number : 8714

Start Time : 09 May 1995 1645 GMT Latitude : 56deg 27.5min N
End Time : 12 Aug 1995 0915 GMT Longitude : 009deg 03.8min W

Nominal Cycle Interval : 30.0 minutes Sensor Depth : 99.00m
Sea Floor Depth : 300.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as08249.682

==========

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

1) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65254
Fixed Station Document : 65237
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 431353

==========

Time Series Inventory Number : 8755

Start Time : 14 Aug 1995 1408 GMT Latitude : 56deg 27.5min N
End Time : 02 Sep 1995 1003 GMT Longitude : 009deg 03.8min W

Nominal Cycle Interval : 5.0 minutes Sensor Depth : 100.00m
Sea Floor Depth : 300.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as08249.698

==========

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

1) **Pressure sensors on the current meters deployed on this rig record an increase of 5 dbars between 00:00 and 12:00 on August 25th 1995. This suggests that the rig slipped or was dragged downslope by a fishing vessel.**

==========

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

1) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

INFORMATION FOR BODC SERIES REF. NO. 431353 (continued)

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65268
Fixed Station Document : 65237
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 431365

==========

Time Series Inventory Number : 8782

Start Time : 03 Sep 1995 1115 GMT Latitude : 56deg 27.5min N
End Time : 05 Sep 1995 2315 GMT Longitude : 009deg 03.7min W

Nominal Cycle Interval : 30.0 minutes Sensor Depth : 50.00m
Sea Floor Depth : 304.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as08249.707

==========

The following **cautions** apply to this series:

1) **Exceptional variability in the temperature signal indicates that the instrument was subject to oscillations of the thermocline.**

2) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65595
Fixed Station Document : 65237
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 431377

==========

Time Series Inventory Number : 8774

Start Time : 16 Aug 1995 1612 GMT Latitude : 56deg 37.5min N
End Time : 02 Sep 1995 1433 GMT Longitude : 009deg 01.2min W

Nominal Cycle Interval : 5.0 minutes Sensor Depth : 153.00m
Sea Floor Depth : 298.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as09450.704

==========

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

1) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65581
Fixed Station Document : 65533
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 431389

==========

Time Series Inventory Number : 8763

Start Time : 15 Aug 1995 1552 GMT Latitude : 56deg 27.0min N
End Time : 02 Sep 1995 1733 GMT Longitude : 009deg 04.8min W

Nominal Cycle Interval : 5.0 minutes Sensor Depth : 395.00m
Sea Floor Depth : 398.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as09540.700

==========

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

1) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65578
Fixed Station Document : 65502
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 431390

==========

Time Series Inventory Number : 8772

Start Time : 16 Aug 1995 1612 GMT Latitude : 56deg 37.5min N
End Time : 02 Sep 1995 1433 GMT Longitude : 009deg 01.2min W

Nominal Cycle Interval : 5.0 minutes Sensor Depth : 44.00m
Sea Floor Depth : 298.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as09603.704

==========

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

1) **The current data are very noisy and should be used with extreme care.**

==========

The following **cautions** apply to this series:

1) **Exceptional variability in the temperature signal indicates that the instrument was subject to oscillations of the thermocline.**

2) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

INFORMATION FOR BODC SERIES REF. NO. 431390 (continued)

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65581
Fixed Station Document : 65533
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 431408

==========

Time Series Inventory Number : 8718

Start Time : 09 May 1995 1645 GMT Latitude : 56deg 27.5min N
End Time : 12 Aug 1995 0915 GMT Longitude : 009deg 03.8min W

Nominal Cycle Interval : 30.0 minutes Sensor Depth : 261.00m
Sea Floor Depth : 300.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as11049.682

==========

The following **cautions** apply to this series:

1) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

2) **The pressure record from this instrument exhibits a steady drift throughout the deployment, which does not represent a real change in the position of the instrument.**

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65254
Fixed Station Document : 65237
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 431421

==========

Time Series Inventory Number : 8759

Start Time : 14 Aug 1995 1410 GMT Latitude : 56deg 27.5min N
End Time : 02 Sep 1995 1001 GMT Longitude : 009deg 03.8min W

Nominal Cycle Interval : 5.0 minutes Sensor Depth : 261.00m
Sea Floor Depth : 300.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as11049.698

==========

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

1) **Pressure sensors on the current meters deployed on this rig record an increase of 5 dbars between 00:00 and 12:00 on August 25th 1995. This suggests that the rig slipped or was dragged downslope by a fishing vessel.**

==========

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

1) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

INFORMATION FOR BODC SERIES REF. NO. 431421 (continued)

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65268
Fixed Station Document : 65237
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 431433

==========

Time Series Inventory Number : 8784

Start Time : 03 Sep 1995 1115 GMT Latitude : 56deg 27.5min N
End Time : 05 Sep 1995 2315 GMT Longitude : 009deg 03.7min W

Nominal Cycle Interval : 30.0 minutes Sensor Depth : 159.00m
Sea Floor Depth : 304.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as11049.707

==========

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

1) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65595
Fixed Station Document : 65237
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 431445

==========

Time Series Inventory Number : 8702

Start Time : 13 May 1995 2115 GMT Latitude : 56deg 37.7min N
End Time : 28 May 1995 0115 GMT Longitude : 008deg 59.7min W

Nominal Cycle Interval : 30.0 minutes Sensor Depth : 50.00m
Sea Floor Depth : 200.00m

Positional Uncertainty : 0.5 to 1.0 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as11050.672

==========

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

1) **This instrument was recovered adrift after the mooring had been damaged by trawling.**

==========

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

1) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

INFORMATION FOR BODC SERIES REF. NO. 431445 (continued)

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65564
Fixed Station Document : 65516
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 431457

==========

Time Series Inventory Number : 8733

Start Time : 11 May 1995 1345 GMT Latitude : 56deg 27.6min N
End Time : 04 Aug 1995 0815 GMT Longitude : 009deg 09.9min W

Nominal Cycle Interval : 30.0 minutes Sensor Depth : 661.00m
Sea Floor Depth : 711.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as11051.684

==========

The following **cautions** apply to this series:

1) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

2) **The pressure record from this instrument exhibits a steady drift throughout the deployment, which does not represent a real change in the position of the instrument.**

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65271
Fixed Station Document : 65240
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 436136

==========

Time Series Inventory Number : 8707

Start Time : 28 Mar 1995 1535 GMT Latitude : 56deg 28.5min N
End Time : 10 Apr 1995 2305 GMT Longitude : 009deg 03.7min W

Nominal Cycle Interval : 10.0 minutes Sensor Depth : 47.00m
Sea Floor Depth : 296.00m

Positional Uncertainty : 1.0 to 5.0 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as06275.679

==========

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

1) **This instrument was recovered adrift after the mooring had been damaged by trawling.**

==========

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

1) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

INFORMATION FOR BODC SERIES REF. NO. 436136 (continued)

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65751
Fixed Station Document : 65237
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 436148

==========

Time Series Inventory Number : 8789

Start Time : 19 Nov 1995 1715 GMT Latitude : 56deg 26.9min N
End Time : 22 Jan 1996 1315 GMT Longitude : 008deg 58.8min W

Nominal Cycle Interval : 30.0 minutes Sensor Depth : 50.00m
Sea Floor Depth : 148.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as08240.733

==========

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

1) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65782
Fixed Station Document : 65206
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 436161

==========

Time Series Inventory Number : 8691

Start Time :	29 Mar 1995 1055 GMT	Latitude :	56deg 27.7min N
End Time :	27 Apr 1995 0145 GMT	Longitude :	009deg 09.7min W

Nominal Cycle Interval :	10.0 minutes	Sensor Depth :	45.00m
	Sea Floor Depth :	695.00m	

Positional Uncertainty :	0.5 to 1.0 n.miles
Sea Floor Datum :	Instantaneous
Sensor Depth Datum :	Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category :	Currents -subsurface Eulerian
Instrument Type :	Paddle wheel current meter
Instrument Mounting :	Subsurface mooring - subsurface buoyancy
Originator Laboratory :	Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier :	as09069.667

==========

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

1) **This instrument was recovered adrift after the mooring had been damaged by trawling.**

==========

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

1) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

INFORMATION FOR BODC SERIES REF. NO. 436161 (continued)

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65748
Fixed Station Document : 65240
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 436173

==========

Time Series Inventory Number : 8735

Start Time : 12 May 1995 1845 GMT Latitude : 56deg 36.3min N
End Time : 25 Jul 1995 0715 GMT Longitude : 008deg 56.1min W

Nominal Cycle Interval : 30.0 minutes Sensor Depth : 51.00m
Sea Floor Depth : 139.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as11608.685

==========

The following **cautions** apply to this series:

1) **Exceptional variability in the temperature signal indicates that the instrument was subject to oscillations of the thermocline.**

2) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65765
Fixed Station Document : 65734
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 436185

==========

Time Series Inventory Number : 8741

Start Time : 11 Aug 1995 1917 GMT Latitude : 56deg 27.7min N
End Time : 31 Aug 1995 1317 GMT Longitude : 008deg 57.8min W

Nominal Cycle Interval : 5.0 minutes Sensor Depth : 55.00m
Sea Floor Depth : 150.00m

Positional Uncertainty : 0.5 to 1.0 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as11608.689

==========

The following **cautions** apply to this series:

1) **Exceptional variability in the temperature signal indicates that the instrument was subject to oscillations of the thermocline.**

2) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65301
Fixed Station Document : 65206
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 436197

==========

Time Series Inventory Number : 8777

Start Time : 02 Sep 1995 0915 GMT Latitude : 56deg 27.7min N
End Time : 19 Nov 1995 1215 GMT Longitude : 008deg 57.9min W

Nominal Cycle Interval : 30.0 minutes Sensor Depth : 52.00m
Sea Floor Depth : 147.00m

Positional Uncertainty : 0.5 to 1.0 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as11608.705

==========

The following **cautions** apply to this series:

1) **Exceptional variability in the temperature signal indicates that the instrument was subject to oscillations of the thermocline.**

2) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65779
Fixed Station Document : 65206
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 436204

==========

Time Series Inventory Number : 8801

Start Time : 05 Feb 1996 1815 GMT Latitude : 56deg 27.9min N
End Time : 17 Apr 1996 1645 GMT Longitude : 009deg 09.8min W

Nominal Cycle Interval : 30.0 minutes Sensor Depth : 50.00m
Sea Floor Depth : 700.00m

Positional Uncertainty : 0.5 to 1.0 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as06749.751

==========

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

1) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65812
Fixed Station Document : 65240
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 436216

==========

Time Series Inventory Number : 8814

Start Time : 19 Apr 1996 1415 GMT Latitude : 56deg 27.3min N
End Time : 10 May 1996 1345 GMT Longitude : 009deg 03.9min W

Nominal Cycle Interval : 30.0 minutes Sensor Depth : 89.00m
Sea Floor Depth : 291.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as06749.765

==========

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

1) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65857
Fixed Station Document : 65237
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 436228

==========

Time Series Inventory Number : 8797

Start Time :	01 Feb 1996 0945 GMT	Latitude :	56deg 27.6min N
End Time :	17 Apr 1996 0945 GMT	Longitude :	008deg 57.9min W

Nominal Cycle Interval :	30.0 minutes	Sensor Depth :	47.00m
	Sea Floor Depth :	145.00m	

Positional Uncertainty	: 0.1 to 0.5 n.miles
Sea Floor Datum	: Instantaneous
Sensor Depth Datum	: Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category	: Currents -subsurface Eulerian
Instrument Type	: Paddle wheel current meter
Instrument Mounting	: Subsurface mooring - subsurface buoyancy
Originator Laboratory	: Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier	: as8240..745

==========

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

1) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65809
Fixed Station Document : 65206
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 436241

==========

Time Series Inventory Number : 8812

Start Time : 19 Apr 1996 1245 GMT Latitude : 56deg 27.3min N
End Time : 10 May 1996 1345 GMT Longitude : 009deg 03.9min W

Nominal Cycle Interval : 30.0 minutes Sensor Depth : 21.00m
Sea Floor Depth : 291.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as8240..765

==========

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

1) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65857
Fixed Station Document : 65237
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 436253

==========

Time Series Inventory Number : 8806

Start Time :	03 Feb 1996 1530 GMT	Latitude :	56deg 37.5min N
End Time :	18 Feb 1996 1930 GMT	Longitude :	009deg 01.3min W

Nominal Cycle Interval :	20.0 minutes	Sensor Depth :	157.00m
	Sea Floor Depth :	301.00m	

Positional Uncertainty :	0.1 to 0.5 n.miles
Sea Floor Datum :	Instantaneous
Sensor Depth Datum :	Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category :	Currents -subsurface Eulerian
Instrument Type :	Paddle wheel current meter
Instrument Mounting :	Subsurface mooring - subsurface buoyancy
Originator Laboratory :	Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier :	as09603.756

==========

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

1) **This instrument was recovered adrift after the mooring had been damaged by trawling.**

   Project scientists working with this series have reported that the current speed and direction data indicate instrument malfunction throughout the deployment. The problem may be best appreciated by inspection of the data on a scatter plot.

==========

The following **cautions** apply to this series:

1) **Evidence of vane sticking at 352.4 degrees. Use with caution.**

2) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

INFORMATION FOR BODC SERIES REF. NO. 436253 (continued)

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65826
Fixed Station Document : 65533
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 436265

==========

Time Series Inventory Number : 8807

Start Time : 03 Feb 1996 1530 GMT Latitude : 56deg 37.5min N
End Time : 18 Feb 1996 1930 GMT Longitude : 009deg 01.3min W

Nominal Cycle Interval : 20.0 minutes Sensor Depth : 51.00m
Sea Floor Depth : 301.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as09928.756

==========

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

1) **This instrument was recovered adrift after the mooring had been damaged by trawling.**

==========

The following **cautions** apply to this series:

1) **Noisy periods in current speed record and some unusually high speeds which are not supported by data from other meters on the rig. Use with caution.**

2) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

INFORMATION FOR BODC SERIES REF. NO. 436265 (continued)

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65826
Fixed Station Document : 65533
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 436277

==========

Time Series Inventory Number : 8803

Start Time : 05 Feb 1996 1745 GMT Latitude : 56deg 27.9min N
End Time : 17 Apr 1996 1645 GMT Longitude : 009deg 09.8min W

Nominal Cycle Interval : 30.0 minutes Sensor Depth : 307.00m
Sea Floor Depth : 700.00m

Positional Uncertainty : 0.5 to 1.0 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as11049.751

==========

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

1) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65812
Fixed Station Document : 65240
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 436289

==========

Time Series Inventory Number : 8816

Start Time : 19 Apr 1996 1245 GMT Latitude : 56deg 27.3min N
End Time : 10 May 1996 1345 GMT Longitude : 009deg 03.9min W

Nominal Cycle Interval : 30.0 minutes Sensor Depth : 146.00m
Sea Floor Depth : 291.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as11049.765

==========

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

1) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65857
Fixed Station Document : 65237
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 436290

==========

Time Series Inventory Number : 8809

Start Time : 24 Apr 1996 1345 GMT Latitude : 56deg 27.1min N
End Time : 07 May 1996 0445 GMT Longitude : 009deg 03.0min W

Nominal Cycle Interval : 30.0 minutes Sensor Depth : 38.00m
Sea Floor Depth : 207.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as11050.760

==========

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

1) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65843
Fixed Station Document : 65223
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 436308

==========

Time Series Inventory Number : 8810

Start Time : 24 Apr 1996 1345 GMT Latitude : 56deg 27.1min N
End Time : 07 May 1996 0445 GMT Longitude : 009deg 03.0min W

Nominal Cycle Interval : 30.0 minutes Sensor Depth : 116.00m
Sea Floor Depth : 207.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as11813.760

==========

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

1) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65843
Fixed Station Document : 65223
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 438874

==========

Time Series Inventory Number : 9314

Start Time	: 17 Apr 1996	1515 GMT	Latitude	:	56deg 27.8min N
End Time	: 28 Jul 1996	1145 GMT	Longitude	:	008deg 57.5min W

Nominal Cycle Interval	: 30.0 minutes		Sensor Depth	: 31.00m
		Sea Floor Depth	: 146.00m	

Positional Uncertainty	: 0.5 to 1.0 n.miles
Sea Floor Datum	: Instantaneous
Sensor Depth Datum	: Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category	: Currents -subsurface Eulerian
Instrument Type	: Paddle wheel current meter
Instrument Mounting	: Subsurface mooring - subsurface buoyancy
Originator Laboratory	: Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier	: as06275.761

==========

The following **cautions** apply to this series:

1) **The conductivity data are suspect after 12th July 1996.**

2) **Exceptional variability in the temperature signal indicates that the instrument was subject to oscillations of the thermocline.**

3) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

4) **Pressure and current data from the meters on this rig indicate that it was disturbed and damaged between 21:00 9th May and 01:30 10th May 1996. After this point, the current data from this meter are suspect.**

==========

INFORMATION FOR BODC SERIES REF. NO. 438874 (continued)

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65904
Fixed Station Document : 65206
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 438886

==========

Time Series Inventory Number : 9319

Start Time	: 11 Jul 1996	2103 GMT	Latitude	:	56deg 27.3min N
End Time	: 28 Jul 1996	1527 GMT	Longitude	:	009deg 03.9min W

Nominal Cycle Interval : 5.0 minutes Sensor Depth : 101.00m
Sea Floor Depth : 303.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as06749.780

==========

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

1) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65935
Fixed Station Document : 65237
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 438898

==========

Time Series Inventory Number : 9320

Start Time	: 11 Jul 1996	2132 GMT	Latitude	:	56deg 27.3min N
End Time	: 28 Jul 1996	1458 GMT	Longitude	:	009deg 03.9min W

Nominal Cycle Interval : 5.0 minutes Sensor Depth : 33.00m
Sea Floor Depth : 303.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as08240.780

==========

The following **cautions** apply to this series:

1) **The current data are noisy and should be used with care.**

2) **Exceptional variability in the temperature signal indicates that the instrument was subject to oscillations of the thermocline.**

3) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65935
Fixed Station Document : 65237
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 438905

==========

Time Series Inventory Number : 9313

Start Time : 27 Nov 1995 0745 GMT Latitude : 56deg 27.7min N
End Time : 01 Dec 1995 1245 GMT Longitude : 009deg 03.7min W

Nominal Cycle Interval : 30.0 minutes Sensor Depth : 52.00m
Sea Floor Depth : 302.00m

Positional Uncertainty : 0.5 to 1.0 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as08249.736

==========

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

1) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65891
Fixed Station Document : 65237
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 438917

==========

Time Series Inventory Number : 9316

Start Time	: 18 Apr 1996	1415 GMT	Latitude	:	56deg 27.7min N
End Time	: 30 Jul 1996	1145 GMT	Longitude	:	009deg 09.8min W

Nominal Cycle Interval : 30.0 minutes Sensor Depth : 110.00m
Sea Floor Depth : 699.00m

Positional Uncertainty : 0.5 to 1.0 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as09450.768

==========

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

1) **Project scientists working with this series have reported that the current speed and direction data indicate instrument malfunction throughout the deployment. The problem may be best appreciated by inspection of the data on a scatter plot.**

==========

The following **cautions** apply to this series:

1) **The current data are noisy and should be used with care.**

2) **Exceptional variability in the temperature signal indicates that the instrument was subject to oscillations of the thermocline.**

3) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

INFORMATION FOR BODC SERIES REF. NO. 438917 (continued)

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65918
Fixed Station Document : 65240
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 438929

==========

Time Series Inventory Number : 9315

Start Time :	17 Apr 1996 1915 GMT	Latitude :	56deg 27.8min N
End Time :	28 Jul 1996 1015 GMT	Longitude :	008deg 57.5min W

Nominal Cycle Interval : 30.0 minutes Sensor Depth : 83.00m
Sea Floor Depth : 146.00m

Positional Uncertainty : 0.5 to 1.0 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as09603.761

==========

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

1) **Project scientists working with this series have reported that the current speed and direction data indicate instrument malfunction throughout the deployment. The problem may be best appreciated by inspection of the data on a scatter plot.**

==========

The following **cautions** apply to this series:

1) **Evidence of vane sticking at 353.2 degrees. Use with caution.**

2) **Exceptional variability in the temperature signal indicates that the instrument was subject to oscillations of the thermocline.**

3) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

INFORMATION FOR BODC SERIES REF. NO. 438929 (continued)

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65904
Fixed Station Document : 65206
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 438930

==========

Time Series Inventory Number : 9317

Start Time : 18 Apr 1996 1415 GMT Latitude : 56deg 27.7min N
End Time : 30 Jul 1996 1215 GMT Longitude : 009deg 09.8min W

Nominal Cycle Interval : 30.0 minutes Sensor Depth : 248.00m
Sea Floor Depth : 699.00m

Positional Uncertainty : 0.5 to 1.0 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as09927.768

==========

The following **cautions** apply to this series:

1) **Pressure and current data from the meters on this rig indicate that it was disturbed and damaged between 21:00 9th May and 01:30 10th May 1996.**

2) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65918
Fixed Station Document : 65240
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 438942

==========

Time Series Inventory Number : 9318

Start Time	: 18 Apr 1996	1415 GMT	Latitude	:	56deg 27.7min N
End Time	: 30 Jul 1996	1145 GMT	Longitude	:	009deg 09.8min W

Nominal Cycle Interval : 30.0 minutes Sensor Depth : 31.00m
Sea Floor Depth : 699.00m

Positional Uncertainty : 0.5 to 1.0 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as09928.768

==========

The following **cautions** apply to this series:

1) **Exceptional variability in the temperature signal indicates that the instrument was subject to oscillations of the thermocline.**

2) **Noisy periods in current speed record and some unusually high speeds which are not supported by data from other meters on the rig. Use with caution.**

3) **Pressure and current data from the meters on this rig indicate that it was disturbed and damaged between 21:00 9th May and 01:30 10th May 1996.**

4) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

INFORMATION FOR BODC SERIES REF. NO. 438942 (continued)

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65918
Fixed Station Document : 65240
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 438954

==========

Time Series Inventory Number : 9323

Start Time	: 11 Jul 1996	2132 GMT	Latitude	:	56deg 27.3min N
End Time	: 28 Jul 1996	1513 GMT	Longitude	:	009deg 03.9min W

Nominal Cycle Interval : 5.0 minutes Sensor Depth : 158.00m
Sea Floor Depth : 303.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as11049.780

==========

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

1) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65935
Fixed Station Document : 65237
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 438966

==========

Time Series Inventory Number : 9321

Start Time	: 11 Jul 1996	1532 GMT	Latitude	:	56deg 37.2min N
End Time	: 29 Jul 1996	1428 GMT	Longitude	:	009deg 01.1min W

Nominal Cycle Interval : 5.0 minutes Sensor Depth : 151.00m
Sea Floor Depth : 295.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as11050.784

==========

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

1) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65949
Fixed Station Document : 65533
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 438978

==========

Time Series Inventory Number : 9322

Start Time	: 12 Jul 1996	1231 GMT	Latitude	:	56deg 27.7min N
End Time	: 24 Jul 1996	1000 GMT	Longitude	:	008deg 11.5min W

Nominal Cycle Interval : 1.0 minutes Sensor Depth : 85.00m
Sea Floor Depth : 149.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as11813.778

==========

The following **cautions** apply to this series:

1) **The current data are noisy and should be used with care.**

2) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65921
Fixed Station Document : 65952
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 438991

==========

Time Series Inventory Number : 8738

Start Time : 14 May 1995 1745 GMT Latitude : 56deg 37.6min N
End Time : 25 May 1995 0115 GMT Longitude : 009deg 01.2min W

Nominal Cycle Interval : 30.0 minutes Sensor Depth : 54.00m
Sea Floor Depth : 304.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as11054.687

==========

The following **cautions** apply to this series:

1) **Exceptional variability in the temperature signal indicates that the instrument was subject to oscillations of the thermocline.**

2) **Salinity has been computed from in situ conductivity and salinity and a nominal pressure derived from the instrument depth.**

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 66020
Fixed Station Document : 65533
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 439005

==========

Time Series Inventory Number : 9326

Start Time : 19 Apr 1996 1245 GMT Latitude : 56deg 27.3min N
End Time : 10 May 1996 1345 GMT Longitude : 009deg 03.9min W

Nominal Cycle Interval : 30.0 minutes Sensor Depth : 252.00m
Sea Floor Depth : 291.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as11219.765

==========

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

1) **Salinity has been computed from in situ conductivity and salinity and a nominal pressure derived from the instrument depth.**

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65857
Fixed Station Document : 65237
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 439017

==========

Time Series Inventory Number : 9327

Start Time	: 18 Apr 1996	1415 GMT	Latitude	:	56deg 27.7min N
End Time	: 30 Jul 1996	1145 GMT	Longitude	:	009deg 09.8min W

Nominal Cycle Interval : 30.0 minutes Sensor Depth : 591.00m
Sea Floor Depth : 699.00m

Positional Uncertainty : 0.5 to 1.0 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as11216.768

==========

The following **cautions** apply to this series:

1) **Pressure and current data from the meters on this rig indicate that it was disturbed and damaged between 21:00 9th May and 01:30 10th May 1996.**

2) **Salinity has been computed from in situ conductivity and salinity and a nominal pressure derived from the instrument depth.**

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65918
Fixed Station Document : 65240
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 439029

==========

Time Series Inventory Number : 9328

Start Time	: 13 Jul 1996	1605 GMT	Latitude	:	56deg 27.4min N
End Time	: 25 Jul 1996	0950 GMT	Longitude	:	008deg 57.9min W

Nominal Cycle Interval : 1.0 minutes Sensor Depth : 83.00m
Sea Floor Depth : 147.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as11054.775

==========

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

1) **The current data are very noisy and should be used with extreme care.**

==========

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

1) **Salinity has been computed from in situ conductivity and salinity and a nominal pressure derived from the instrument depth.**

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 66034
Fixed Station Document : 65206
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 439030

==========

Time Series Inventory Number : 9329

Start Time	: 11 Jul 1996	2038 GMT	Latitude	:	56deg 27.3min N
End Time	: 28 Jul 1996	1522 GMT	Longitude	:	009deg 03.9min W

Nominal Cycle Interval : 5.0 minutes Sensor Depth : 264.00m
Sea Floor Depth : 303.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as11219.780

==========

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

1) **Salinity has been computed from in situ conductivity and salinity and a nominal pressure derived from the instrument depth.**

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65935
Fixed Station Document : 65237
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 439042

==========

Time Series Inventory Number : 8686

Start Time :	31 Mar 1995 2025 GMT	Latitude :	56deg 27.2min N
End Time :	16 Apr 1995 1255 GMT	Longitude :	009deg 02.8min W

Nominal Cycle Interval :	10.0 minutes	Sensor Depth :	94.00m
	Sea Floor Depth :	194.00m	

Positional Uncertainty	: 0.1 to 0.5 n.miles
Sea Floor Datum	: Instantaneous
Sensor Depth Datum	: Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category	: Currents -subsurface Eulerian
Instrument Type	: Paddle wheel current meter
Instrument Mounting	: Subsurface mooring - surface and subsurface legs
Originator Laboratory	: Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier	: as10207.664

==========

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

1) **Salinity has been computed from in situ conductivity and salinity and a nominal pressure derived from the instrument depth.**

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65547
Fixed Station Document : 65223
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 439054

==========

Time Series Inventory Number : 9324

Start Time : 17 Apr 1995 1535 GMT Latitude : 56deg 27.2min N
End Time : 09 May 1995 1725 GMT Longitude : 009deg 02.8min W

Nominal Cycle Interval : 10.0 minutes Sensor Depth : 107.00m
Sea Floor Depth : 207.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as10207.669

==========

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

1) **Salinity has been computed from in situ conductivity and salinity and a nominal pressure derived from the instrument depth.**

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65550
Fixed Station Document : 65223
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 439066

==========

Time Series Inventory Number : 9325

Start Time : 10 May 1995 1415 GMT Latitude : 56deg 27.3min N
End Time : 09 Sep 1995 1445 GMT Longitude : 009deg 02.8min W

Nominal Cycle Interval : 30.0 minutes Sensor Depth : 105.00m
Sea Floor Depth : 203.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as10207.683

==========

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

1) **This instrument was recovered adrift after the mooring had been damaged by trawling.**

==========

The following **cautions** apply to this series:

1) **Exceptional variability in the temperature signal indicates that the instrument was subject to oscillations of the thermocline.**

2) **It is possible that the rig moved at 10:45 on May 14th 1995 as indicated by pressure sensors on the rig.**

3) **Salinity has been computed from in situ conductivity and salinity and a nominal pressure derived from the instrument depth.**

==========

INFORMATION FOR BODC SERIES REF. NO. 439066 (continued)

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65315
Fixed Station Document : 65223
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 439078

==========

Time Series Inventory Number : 9330

Start Time	: 11 Jul 1996	1507 GMT	Latitude	:	56deg 37.6min N
End Time	: 29 Jul 1996	1447 GMT	Longitude	:	009deg 01.1min W

Nominal Cycle Interval : 5.0 minutes Sensor Depth : 25.00m
Sea Floor Depth : 295.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as10207.784

==========

The following **cautions** apply to this series:

1) **The current data are noisy and should be used with care.**

2) **Exceptional variability in the temperature signal indicates that the instrument was subject to oscillations of the thermocline.**

3) **Salinity has been computed from in situ conductivity and salinity and a nominal pressure derived from the instrument depth.**

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65949
Fixed Station Document : 65533
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 439091

==========

Time Series Inventory Number : 8811

Start Time :	24 Apr 1996 1345 GMT	Latitude :	56deg 27.1min N
End Time :	07 May 1996 0515 GMT	Longitude :	009deg 03.0min W

Nominal Cycle Interval :	30.0 minutes	Sensor Depth :	199.00m
	Sea Floor Depth :	207.00m	

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as03543.760

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65843
Fixed Station Document : 65223
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 439109

==========

Time Series Inventory Number : 9333

Start Time : 23 Apr 1996 1315 GMT Latitude : 56deg 36.3min N
End Time : 03 Aug 1996 0845 GMT Longitude : 008deg 55.9min W

Nominal Cycle Interval : 30.0 minutes Sensor Depth : 23.00m
Sea Floor Depth : 134.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as01292.772

==========

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

1) **Exceptional variability in the temperature signal indicates that the instrument was subject to oscillations of the thermocline.**

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 66109
Fixed Station Document : 65734
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 439110

==========

Time Series Inventory Number : 9334

Start Time : 23 Apr 1996 1315 GMT Latitude : 56deg 36.3min N
End Time : 03 Aug 1996 0845 GMT Longitude : 008deg 55.9min W

Nominal Cycle Interval : 30.0 minutes Sensor Depth : 74.00m
Sea Floor Depth : 134.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as02132.772

==========

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

1) **Exceptional variability in the temperature signal indicates that the instrument was subject to oscillations of the thermocline.**

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 66109
Fixed Station Document : 65734
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 439122

==========

Time Series Inventory Number : 9335

Start Time :	23 Apr 1996 1315 GMT	Latitude :	56deg 36.3min N
End Time :	03 Aug 1996 0845 GMT	Longitude :	008deg 55.9min W

Nominal Cycle Interval : 30.0 minutes Sensor Depth : 125.00m
Sea Floor Depth : 134.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as03542.772

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 66109
Fixed Station Document : 65734
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 439134

==========

Time Series Inventory Number : 9336

Start Time : 23 Apr 1996 1630 GMT Latitude : 56deg 37.4min N
End Time : 09 May 1996 1430 GMT Longitude : 009deg 01.3min W

Nominal Cycle Interval : 30.0 minutes Sensor Depth : 32.00m
Sea Floor Depth : 300.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Savonius rotor current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : aa01260.773

==========

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

1) **Speed data should be treated as suspect due to uncertain calibration.**

==========

The following additional documents apply to this series:
(see Section B of this report)

4872; Aanderaa Recording Current Meter Model 4/5
6200; Current Meter Data Screening carried out by BODC 1
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 66112
Fixed Station Document : 65533
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 439146

==========

Time Series Inventory Number : 9337

Start Time : 23 Apr 1996 1630 GMT Latitude : 56deg 37.4min N
End Time : 09 May 1996 1450 GMT Longitude : 009deg 01.3min W

Nominal Cycle Interval : 10.0 minutes Sensor Depth : 293.00m
Sea Floor Depth : 300.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Savonius rotor current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : aa04387.773

==========

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

1) Some suspect speeds due to rotor sticking.

==========

The following additional documents apply to this series:
(see Section B of this report)

4872; Aanderaa Recording Current Meter Model 4/5
6200; Current Meter Data Screening carried out by BODC 1
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 66112
Fixed Station Document : 65533
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 439158

==========

Time Series Inventory Number : 9338

Start Time	: 11 Jul 1996	1950 GMT	Latitude	:	56deg 37.6min N
End Time	: 29 Jul 1996	1440 GMT	Longitude	:	009deg 01.1min W

Nominal Cycle Interval : 10.0 minutes Sensor Depth : 288.00m
Sea Floor Depth : 295.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Savonius rotor current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : aa04387.784

==========

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

1) Some suspect speeds due to rotor sticking.

==========

The following additional documents apply to this series:
(see Section B of this report)

4872; Aanderaa Recording Current Meter Model 4/5
6200; Current Meter Data Screening carried out by BODC 1
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 65949
Fixed Station Document : 65533
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 439171

==========

Time Series Inventory Number : 9331

Start Time :	31 Mar 1995 1335 GMT	Latitude :	56deg 28.1min N
End Time :	08 May 1995 1455 GMT	Longitude :	008deg 57.7min W

Nominal Cycle Interval :	10.0 minutes	Sensor Depth :	135.00m
	Sea Floor Depth :	145.00m	

Positional Uncertainty	: 0.5 to 1.0 n.miles
Sea Floor Datum	: Instantaneous
Sensor Depth Datum	: Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category	: Currents -subsurface Eulerian
Instrument Type	: Paddle wheel current meter
Instrument Mounting	: Subsurface mooring - subsurface buoyancy
Originator Laboratory	: Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier	: as07421.665

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 66096
Fixed Station Document : 65206
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 439183

==========

Time Series Inventory Number : 9332

Start Time : 31 Mar 1995 1335 GMT Latitude : 56deg 28.1min N
End Time : 08 May 1995 1455 GMT Longitude : 008deg 57.7min W

Nominal Cycle Interval : 10.0 minutes Sensor Depth : 50.00m
Sea Floor Depth : 145.00m

Positional Uncertainty : 0.5 to 1.0 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as10211.665

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
Data Activity Document : 66096
Fixed Station Document : 65206
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 439195

==========

Time Series Inventory Number : 8692

Start Time :	29 Mar 1995 1038 GMT	Latitude :	56deg 27.7min N
End Time :	09 May 1995 2348 GMT	Longitude :	009deg 09.7min W

Nominal Cycle Interval :	600.0 secs	Sensor Depth :	688.00m
	Sea Floor Depth :	695.00m	

Positional Uncertainty :	0.5 to 1.0 n.miles
Sea Floor Datum :	Instantaneous
Sensor Depth Datum :	Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category :	Currents -subsurface Eulerian
Instrument Type :	Paddle wheel current meter
Instrument Mounting :	Subsurface mooring - subsurface buoyancy
Originator Laboratory :	Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier :	as11045.667

==========

The following **warnings** apply to this series:

1) **It is possible that the rig moved at 07:48 on April 27th 1995 as indicated by the pressure sensor on this meter.**

2) **The current data from this instrument should be treated as highly suspect due to an incorrect balance setting on the fin.**

==========

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

1) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

INFORMATION FOR BODC SERIES REF. NO. 439195 (continued)

Additional information stored with the data:

The transmission readings were converted to attenuance using the following values: air correction reading = 1144.42, blanked path reading = 0.00.

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
66188; SeaTech Transmissometer
66467; SeaTech Transmissometer: DATA PROCESSING
Data Activity Document : 65748
Fixed Station Document : 65240
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 439202

==========

Time Series Inventory Number : 8737

Start Time :	13 May 1995 1730 GMT	Latitude :	56deg 42.6min N
End Time :	04 Sep 1995 0730 GMT	Longitude :	009deg 24.5min W

Nominal Cycle Interval :	3600.0 secs	Sensor Depth :	1490.00m
	Sea Floor Depth :	1497.00m	

Positional Uncertainty :	0.5 to 1.0 n.miles
Sea Floor Datum :	Instantaneous
Sensor Depth Datum :	Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category :	Currents -subsurface Eulerian
Instrument Type :	Paddle wheel current meter
Instrument Mounting :	Subsurface mooring - subsurface buoyancy
Originator Laboratory :	Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier :	as11045.686

==========

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

1) **The current data from this instrument should be treated as highly suspect due to an incorrect balance setting on the fin.**

==========

The following **cautions** apply to this series:

1) **There is no attenuance data for this instrument as it flooded shortly after being deployed.**

2) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

INFORMATION FOR BODC SERIES REF. NO. 439202 (continued)

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
66188; SeaTech Transmissometer
66467; SeaTech Transmissometer: DATA PROCESSING
Data Activity Document : 66160
Fixed Station Document : 66174
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 439214

==========

Time Series Inventory Number : 8690

Start Time :	29 Mar 1995 2230 GMT	Latitude :	56deg 43.1min N
End Time :	13 May 1995 0530 GMT	Longitude :	009deg 24.5min W

Nominal Cycle Interval :	3600.0 secs	Sensor Depth :	1527.00m
	Sea Floor Depth :	1534.00m	

Positional Uncertainty :	0.1 to 0.5 n.miles
Sea Floor Datum :	Instantaneous
Sensor Depth Datum :	Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category :	Currents -subsurface Eulerian
Instrument Type :	Paddle wheel current meter
Instrument Mounting :	Subsurface mooring - surface and subsurface legs
Originator Laboratory :	Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier :	as11046.666

==========

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

1) **The current data from this instrument should be treated as highly suspect due to an incorrect balance setting on the fin.**

==========

The following **cautions** apply to this series:

1) **There is no attenuation data for this meter; the logger recorded a constant value throughout the deployment.**

2) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

INFORMATION FOR BODC SERIES REF. NO. 439214 (continued)

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
66188; SeaTech Transmissometer
66467; SeaTech Transmissometer: DATA PROCESSING
Data Activity Document : 66157
Fixed Station Document : 66174
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 439226

==========

Time Series Inventory Number : 8688

Start Time :	31 Mar 1995 2025 GMT	Latitude :	56deg 27.2min N
End Time :	16 Apr 1995 1255 GMT	Longitude :	009deg 02.8min W

Nominal Cycle Interval :	600.0 secs	Sensor Depth :	184.00m
	Sea Floor Depth :	194.00m	

Positional Uncertainty :	0.1 to 0.5 n.miles
Sea Floor Datum :	Instantaneous
Sensor Depth Datum :	Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category :	Currents -subsurface Eulerian
Instrument Type :	Paddle wheel current meter
Instrument Mounting :	Subsurface mooring - subsurface buoyancy
Originator Laboratory :	Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier :	as11047.664

==========

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

1) **The current data from this instrument should be treated as highly suspect due to an incorrect balance setting on the fin.**

==========

The following **cautions** apply to this series:

1) **There is no attenuation data for this meter; the logger recorded a constant value throughout the deployment.**

2) **There is no temperature data for this meter; the logger recorded a constant value throughout the deployment.**

3) **Instrument recorded pressure does not appear to accurately reflect the meter depth.**

==========

INFORMATION FOR BODC SERIES REF. NO. 439226 (continued)

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
66188; SeaTech Transmissometer
66467; SeaTech Transmissometer: DATA PROCESSING
Data Activity Document : 65547
Fixed Station Document : 65223
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 439238

==========

Time Series Inventory Number : 8776

Start Time : 16 Aug 1995 1612 GMT Latitude : 56deg 37.5min N
End Time : 02 Sep 1995 1433 GMT Longitude : 009deg 01.2min W

Nominal Cycle Interval : 300.0 secs Sensor Depth : 291.00m
Sea Floor Depth : 298.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as11814.704

==========

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

1) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

Additional information stored with the data:

The transmission readings were converted to attenuance using the following values: air correction reading = 1075.87, blanked path reading = 0.00.

==========

INFORMATION FOR BODC SERIES REF. NO. 439238 (continued)

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
66188; SeaTech Transmissometer
66467; SeaTech Transmissometer: DATA PROCESSING
Data Activity Document : 65581
Fixed Station Document : 65533
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 439251

==========

Time Series Inventory Number : 8734

Start Time : 11 May 1995 1345 GMT Latitude : 56deg 27.6min N
End Time : 04 Aug 1995 0815 GMT Longitude : 009deg 09.9min W

Nominal Cycle Interval : 1800.0 secs Sensor Depth : 704.00m
Sea Floor Depth : 711.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as11816.684

==========

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

1) **The current data from this instrument should be treated as highly suspect due to an incorrect balance setting on the fin.**

==========

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

1) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

Additional information stored with the data:

The transmission readings were converted to attenuance using the following values: air correction reading = 1086.79, blanked path reading = 0.00.

==========

INFORMATION FOR BODC SERIES REF. NO. 439251 (continued)

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
66188; SeaTech Transmissometer
66467; SeaTech Transmissometer: DATA PROCESSING
Data Activity Document : 65271
Fixed Station Document : 65240
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 439263

==========

Time Series Inventory Number : 8731

Start Time : 11 May 1995 1345 GMT Latitude : 56deg 27.6min N
End Time : 04 Aug 1995 0815 GMT Longitude : 009deg 09.9min W

Nominal Cycle Interval : 1800.0 secs Sensor Depth : 222.00m
Sea Floor Depth : 711.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as11817.684

==========

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

1) **The current data from this instrument should be treated as highly suspect due to an incorrect balance setting on the fin.**

==========

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

1) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

Additional information stored with the data:

The transmission readings were converted to attenuance using the following values: air correction reading = 1072.80, blanked path reading = 0.00.

==========

INFORMATION FOR BODC SERIES REF. NO. 439263 (continued)

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
66188; SeaTech Transmissometer
66467; SeaTech Transmissometer: DATA PROCESSING
Data Activity Document : 65271
Fixed Station Document : 65240
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 439275

==========

Time Series Inventory Number : 8769

Start Time : 13 Aug 1995 1655 GMT Latitude : 56deg 27.6min N
End Time : 06 Sep 1995 0455 GMT Longitude : 009deg 09.8min W

Nominal Cycle Interval : 1800.0 secs Sensor Depth : 213.00m
Sea Floor Depth : 702.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as11817.702

==========

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

1) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

Additional information stored with the data:

The transmission readings were converted to attenuance using the following values: air correction reading = 1077.81, blanked path reading = 0.00.

==========

INFORMATION FOR BODC SERIES REF. NO. 439275 (continued)

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
66188; SeaTech Transmissometer
66467; SeaTech Transmissometer: DATA PROCESSING
Data Activity Document : 65285
Fixed Station Document : 65240
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 439287

==========

Time Series Inventory Number : 8736

Start Time :	12 May 1995 1915 GMT	Latitude :	56deg 36.3min N
End Time :	25 Jul 1995 0715 GMT	Longitude :	008deg 56.1min W

Nominal Cycle Interval :	1800.0 secs	Sensor Depth :	132.00m
	Sea Floor Depth :	139.00m	

Positional Uncertainty :	0.1 to 0.5 n.miles
Sea Floor Datum :	Instantaneous
Sensor Depth Datum :	Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category :	Currents -subsurface Eulerian
Instrument Type :	Paddle wheel current meter
Instrument Mounting :	Subsurface mooring - subsurface buoyancy
Originator Laboratory :	Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier :	as11818.685

==========

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

1) **The current data from this instrument should be treated as highly suspect due to an incorrect balance setting on the fin.**

==========

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

1) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

Additional information stored with the data:

The transmission readings were converted to attenuance using the following values: air correction reading = 1081.52, blanked path reading = 0.00.

==========

INFORMATION FOR BODC SERIES REF. NO. 439287 (continued)

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
66188; SeaTech Transmissometer
66467; SeaTech Transmissometer: DATA PROCESSING
Data Activity Document : 65765
Fixed Station Document : 65734
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 439299

==========

Time Series Inventory Number : 8743

Start Time :	11 Aug 1995 1917 GMT	Latitude :	56deg 27.2min N
End Time :	31 Aug 1995 1323 GMT	Longitude :	009deg 02.8min W

Nominal Cycle Interval :	300.0 secs	Sensor Depth :	140.00m
	Sea Floor Depth :	150.00m	

Positional Uncertainty :	0.1 to 0.5 n.miles
Sea Floor Datum :	Instantaneous
Sensor Depth Datum :	Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category :	Currents -subsurface Eulerian
Instrument Type :	Paddle wheel current meter
Instrument Mounting :	Subsurface mooring - subsurface buoyancy
Originator Laboratory :	Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier :	as11818.689

==========

The following **cautions** apply to this series:

1) **The current data are noisy and should be used with care.**

2) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

Additional information stored with the data:

The transmission readings were converted to attenuance using the following values: air correction reading = 1120.24, blanked path reading = 0.00.

==========

INFORMATION FOR BODC SERIES REF. NO. 439299 (continued)

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
66188; SeaTech Transmissometer
66467; SeaTech Transmissometer: DATA PROCESSING
Data Activity Document : 65301
Fixed Station Document : 65223
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 439306

==========

Time Series Inventory Number : 8720

Start Time : 09 May 1995 1645 GMT Latitude : 56deg 27.5min N
End Time : 12 Aug 1995 0915 GMT Longitude : 009deg 03.8min W

Nominal Cycle Interval : 1800.0 secs Sensor Depth : 293.00m
Sea Floor Depth : 300.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as11820.682

==========

The following **warnings** apply to this series:

1) **The current data from this instrument should be treated as highly suspect due to an incorrect balance setting on the fin.**

2) **The temperature values recorded by this meter differ greatly from CTD data recorded in the vicinity of this meter indicating that the sensor requires recalibration.**

==========

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

1) **Instrument recorded pressure does not appear to accurately reflect the meter depth.**

==========

INFORMATION FOR BODC SERIES REF. NO. 439306 (continued)

Additional information stored with the data:

The transmission readings were converted to attenuance using the following values: air correction reading = 1072.36, blanked path reading = 0.00.

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
66188; SeaTech Transmissometer
66467; SeaTech Transmissometer: DATA PROCESSING
Data Activity Document : 65254
Fixed Station Document : 65237
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 439318

==========

Time Series Inventory Number : 8761

Start Time :	14 Aug 1995 1408 GMT	Latitude :	56deg 27.5min N
End Time :	16 Aug 1995 0753 GMT	Longitude :	009deg 03.8min W

Nominal Cycle Interval :	300.0 secs	Sensor Depth :	293.00m
	Sea Floor Depth :	300.00m	

Positional Uncertainty :	0.1 to 0.5 n.miles
Sea Floor Datum :	Instantaneous
Sensor Depth Datum :	Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category :	Currents -subsurface Eulerian
Instrument Type :	Paddle wheel current meter
Instrument Mounting :	Subsurface mooring - subsurface buoyancy
Originator Laboratory :	Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier :	as11820.698

==========

The following **warnings** apply to this series:

1) **The conductivity signal is unexpectedly variable and ceases at 00:32 on 15th August 1995.**

2) **The temperature values recorded by this meter differ greatly from CTD data recorded in the vicinity of this meter indicating that the sensor requires recalibration.**

==========

The following **cautions** apply to this series:

1) **There is no attenuance data for this instrument as it flooded shortly after being deployed.**

2) **Instrument recorded pressure does not appear to accurately reflect the meter depth.**

==========

INFORMATION FOR BODC SERIES REF. NO. 439318 (continued)

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
66188; SeaTech Transmissometer
66467; SeaTech Transmissometer: DATA PROCESSING
Data Activity Document : 65268
Fixed Station Document : 65237
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 439331

==========

Time Series Inventory Number : 8716

Start Time : 09 May 1995 1645 GMT Latitude : 56deg 27.5min N
End Time : 12 Aug 1995 0915 GMT Longitude : 009deg 03.8min W

Nominal Cycle Interval : 1800.0 secs Sensor Depth : 155.00m
Sea Floor Depth : 300.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as11822.682

==========

The following **warnings** apply to this series:

1) **The current data from this instrument should be treated as highly suspect due to an incorrect balance setting on the fin.**

2) **The temperature values recorded by this meter differ greatly from CTD data recorded in the vicinity of this meter indicating that the sensor requires recalibration.**

==========

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

1) **Instrument recorded pressure does not appear to accurately reflect the meter depth.**

==========

INFORMATION FOR BODC SERIES REF. NO. 439331 (continued)

Additional information stored with the data:

The transmission readings were converted to attenuance using the following values: air correction reading = 1075.63, blanked path reading = 0.00.

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
66188; SeaTech Transmissometer
66467; SeaTech Transmissometer: DATA PROCESSING
Data Activity Document : 65254
Fixed Station Document : 65237
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 439343

==========

Time Series Inventory Number : 8757

Start Time : 14 Aug 1995 1408 GMT Latitude : 56deg 27.5min N
End Time : 02 Sep 1995 1003 GMT Longitude : 009deg 03.8min W

Nominal Cycle Interval : 300.0 secs Sensor Depth : 156.00m
Sea Floor Depth : 300.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as11822.698

==========

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

1) **The temperature values recorded by this meter differ greatly from CTD data recorded in the vicinity of this meter indicating that the sensor requires recalibration.**

==========

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

1) **Instrument recorded pressure does not appear to accurately reflect the meter depth.**

==========

Additional information stored with the data:

The transmission readings were converted to attenuance using the following values: air correction reading = 1070.42, blanked path reading = 0.00.

==========

INFORMATION FOR BODC SERIES REF. NO. 439343 (continued)

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
66188; SeaTech Transmissometer
66467; SeaTech Transmissometer: DATA PROCESSING
Data Activity Document : 65268
Fixed Station Document : 65237
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 439355

==========

Time Series Inventory Number : 8697

Start Time :	17 Apr 1995 1535 GMT	Latitude :	56deg 27.2min N
End Time :	09 May 1995 1725 GMT	Longitude :	009deg 02.8min W

Nominal Cycle Interval :	600.0 secs	Sensor Depth :	197.00m
	Sea Floor Depth :	207.00m	

Positional Uncertainty :	0.1 to 0.5 n.miles
Sea Floor Datum :	Instantaneous
Sensor Depth Datum :	Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category :	Currents -subsurface Eulerian
Instrument Type :	Paddle wheel current meter
Instrument Mounting :	Subsurface mooring - subsurface buoyancy
Originator Laboratory :	Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier :	as11047.669

==========

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

1) **The current data from this instrument should be treated as highly suspect due to an incorrect balance setting on the fin.**

==========

The following **cautions** apply to this series:

1) **There is no attenuation data for this meter; the logger recorded a constant value throughout the deployment.**

2) **There is no temperature data for this meter; the logger recorded a constant value throughout the deployment.**

3) **Instrument recorded pressure does not appear to accurately reflect the meter depth.**

==========

INFORMATION FOR BODC SERIES REF. NO. 439355 (continued)

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
66188; SeaTech Transmissometer
66467; SeaTech Transmissometer: DATA PROCESSING
Data Activity Document : 65550
Fixed Station Document : 65223
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 439367

==========

Time Series Inventory Number : 8790

Start Time : 19 Nov 1995 1715 GMT Latitude : 56deg 26.9min N
End Time : 22 Jan 1996 1315 GMT Longitude : 008deg 57.8min W

Nominal Cycle Interval : 1800.0 secs Sensor Depth : 139.00m
Sea Floor Depth : 148.00m

Positional Uncertainty : 0.5 to 1.0 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as11814.733

==========

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

1) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

Additional information stored with the data:

The transmission readings were converted to attenuance using the following values: air correction reading = 1101.33, blanked path reading = 0.00.

==========

INFORMATION FOR BODC SERIES REF. NO. 439367 (continued)

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
66188; SeaTech Transmissometer
66467; SeaTech Transmissometer: DATA PROCESSING
Data Activity Document : 65782
Fixed Station Document : 65206
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 439379

==========

Time Series Inventory Number : 8779

Start Time : 02 Sep 1995 0844 GMT Latitude : 56deg 27.7min N
End Time : 19 Nov 1995 1214 GMT Longitude : 008deg 57.9min W

Nominal Cycle Interval : 1800.0 secs Sensor Depth : 137.40m
Sea Floor Depth : 147.40m

Positional Uncertainty : 0.5 to 1.0 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as11818.705

==========

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

1) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

Additional information stored with the data:

The transmission readings were converted to attenuance using the following values: air correction reading = 1100.82, blanked path reading = 0.00.

==========

INFORMATION FOR BODC SERIES REF. NO. 439379 (continued)

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
66188; SeaTech Transmissometer
66467; SeaTech Transmissometer: DATA PROCESSING
Data Activity Document : 65779
Fixed Station Document : 65206
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 439380

==========

Time Series Inventory Number : 8798

Start Time : 01 Feb 1996 0945 GMT Latitude : 56deg 27.6min N
End Time : 17 Apr 1996 1015 GMT Longitude : 008deg 57.9min W

Nominal Cycle Interval : 1800.0 secs Sensor Depth : 136.00m
Sea Floor Depth : 145.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as11814.745

==========

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

1) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

Additional information stored with the data:

The transmission readings were converted to attenuance using the following values: air correction reading = 1046.81, blanked path reading = 0.00.

==========

INFORMATION FOR BODC SERIES REF. NO. 439380 (continued)

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
66188; SeaTech Transmissometer
66467; SeaTech Transmissometer: DATA PROCESSING
Data Activity Document : 65809
Fixed Station Document : 65206
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 439392

==========

Time Series Inventory Number : 8808

Start Time :	06 Feb 1996 2130 GMT	Latitude :	56deg 43.6min N
End Time :	21 Apr 1996 1730 GMT	Longitude :	009deg 24.8min W

Nominal Cycle Interval :	3600.0 secs	Sensor Depth :	1509.00m
	Sea Floor Depth :	1516.00m	

Positional Uncertainty :	0.1 to 0.5 n.miles
Sea Floor Datum :	Instantaneous
Sensor Depth Datum :	Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category :	Currents -subsurface Eulerian
Instrument Type :	Paddle wheel current meter
Instrument Mounting :	Subsurface mooring - subsurface buoyancy
Originator Laboratory :	Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier :	as11820.757

==========

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

1) **Salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

Additional information stored with the data:

The transmission readings were converted to attenuance using the following values: air correction reading = 1013.48, blanked path reading = 0.00.

==========

INFORMATION FOR BODC SERIES REF. NO. 439392 (continued)

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
66188; SeaTech Transmissometer
66467; SeaTech Transmissometer: DATA PROCESSING
Data Activity Document : 66685
Fixed Station Document : 66174
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 439411

==========

Time Series Inventory Number : 9341

Start Time	: 17 Apr 1996	1530 GMT	Latitude	:	56deg 27.8min N
End Time	: 28 Jul 1996	1130 GMT	Longitude	:	008deg 57.5min W

Nominal Cycle Interval	: 3600.0 secs	Sensor Depth	:	137.00m
	Sea Floor Depth	: 146.00m		

Positional Uncertainty	:	0.5 to 1.0 n.miles
Sea Floor Datum	:	Instantaneous
Sensor Depth Datum	:	Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category	:	Currents -subsurface Eulerian
Instrument Type	:	Paddle wheel current meter
Instrument Mounting	:	Subsurface mooring - subsurface buoyancy
Originator Laboratory	:	Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier	:	as09069.761

==========

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

1) **Salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

Additional information stored with the data:

The transmission readings were converted to attenuance using the following values: air correction reading = 1010.62, blanked path reading = 0.00.

==========

INFORMATION FOR BODC SERIES REF. NO. 439411 (continued)

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
66188; SeaTech Transmissometer
66467; SeaTech Transmissometer: DATA PROCESSING
Data Activity Document : 65904
Fixed Station Document : 65206
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 439423

==========

Time Series Inventory Number : 9343

Start Time :	19 Apr 1996 1330 GMT	Latitude :	56deg 27.3min N
End Time :	10 May 1996 1330 GMT	Longitude :	009deg 03.9min W

Nominal Cycle Interval :	3600.0 secs	Sensor Depth :	284.00m
	Sea Floor Depth :	291.00m	

Positional Uncertainty :	0.1 to 0.5 n.miles
Sea Floor Datum :	Instantaneous
Sensor Depth Datum :	Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category :	Currents -subsurface Eulerian
Instrument Type :	Paddle wheel current meter
Instrument Mounting :	Subsurface mooring - subsurface buoyancy
Originator Laboratory :	Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier :	as09903.765

==========

Additional information stored with the data:

The transmission readings were converted to attenuance using the following values: air correction reading = 186.997, blanked path reading = 799.0.

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
66188; SeaTech Transmissometer
66467; SeaTech Transmissometer: DATA PROCESSING
Data Activity Document : 65857
Fixed Station Document : 65237
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 439435

==========

Time Series Inventory Number : 9344

Start Time	: 21 Apr 1996	1730 GMT	Latitude	:	56deg 29.1min N
End Time	: 02 Aug 1996	0530 GMT	Longitude	:	009deg 35.6min W

Nominal Cycle Interval : 3600.0 secs Sensor Depth : 705.00m
Sea Floor Depth : 1501.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as09904.770

==========

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

1) Some suspect current speed data (value sticks at 1 cm/s).

==========

Additional information stored with the data:

There is no attenuation from this instrument as the transmissometer failed to record any useful data.

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
66188; SeaTech Transmissometer
66467; SeaTech Transmissometer: DATA PROCESSING
Data Activity Document : 66699
Fixed Station Document : 66715
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 439447

==========

Time Series Inventory Number : 9340

Start Time : 10 May 1995 1415 GMT Latitude : 56deg 27.3min N
End Time : 23 Aug 1995 0415 GMT Longitude : 009deg 02.8min W

Nominal Cycle Interval : 1800.0 secs Sensor Depth : 193.00m
Sea Floor Depth : 203.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as11047.683

==========

The following **warnings** apply to this series:

1) **This instrument was recovered adrift after the mooring had been damaged by trawling.**

2) **The current data from this instrument should be treated as highly suspect due to an incorrect balance setting on the fin.**

==========

The following **cautions** apply to this series:

1) **It is possible that the rig moved at 10:45 on May 14th 1995 as indicated by pressure sensors on the rig.**

2) **There is no attenuation data for this meter; the logger recorded a constant value throughout the deployment.**

INFORMATION FOR BODC SERIES REF. NO. 439447 (continued)

3) Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
66188; SeaTech Transmissometer
66467; SeaTech Transmissometer: DATA PROCESSING
Data Activity Document : 65315
Fixed Station Document : 65223
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 439459

==========

Time Series Inventory Number : 9342

Start Time :	18 Apr 1996 1430 GMT	Latitude :	56deg 27.7min N
End Time :	13 Jun 1996 2230 GMT	Longitude :	009deg 09.8min W

Nominal Cycle Interval :	3600.0 secs	Sensor Depth :	692.00m
	Sea Floor Depth :	699.00m	

Positional Uncertainty :	0.5 to 1.0 n.miles
Sea Floor Datum :	Instantaneous
Sensor Depth Datum :	Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category :	Currents -subsurface Eulerian
Instrument Type :	Paddle wheel current meter
Instrument Mounting :	Subsurface mooring - subsurface buoyancy
Originator Laboratory :	Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier :	as11814.768

==========

The following **cautions** apply to this series:

1) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

2) **Pressure and current data from the meters on this rig indicate that it was disturbed and damaged between 21:00 9th May and 01:30 10th May 1996. After this point, the current data from this meter are suspect.**

==========

Additional information stored with the data:

The transmission readings were converted to attenuance using the following values: air correction reading = 1040.58, blanked path reading = 0.00.

==========

INFORMATION FOR BODC SERIES REF. NO. 439459 (continued)

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
66188; SeaTech Transmissometer
66467; SeaTech Transmissometer: DATA PROCESSING
Data Activity Document : 65918
Fixed Station Document : 65240
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 439460

==========

Time Series Inventory Number : 9346

Start Time	: 11 Jul 1996	2038 GMT	Latitude	:	56deg 27.3min N
End Time	: 28 Jul 1996	1527 GMT	Longitude	:	009deg 03.9min W

Nominal Cycle Interval : 300.0 secs Sensor Depth : 296.00m
Sea Floor Depth : 303.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as11817.780

==========

The following **warnings** apply to this series:

1) **The current data from this instrument should be treated as highly suspect due to an incorrect balance setting on the fin.**

2) **The temperature values recorded by this meter differ greatly from CTD data recorded in the vicinity of this meter indicating that the sensor requires recalibration.**

==========

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

1) **Instrument recorded pressure does not appear to accurately reflect the meter depth.**

==========

INFORMATION FOR BODC SERIES REF. NO. 439460 (continued)

Additional information stored with the data:

The transmission readings were converted to attenuance using the following values: air correction reading = 994.88, blanked path reading = 0.00.

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
66188; SeaTech Transmissometer
66467; SeaTech Transmissometer: DATA PROCESSING
Data Activity Document : 65935
Fixed Station Document : 65237
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 439472

==========

Time Series Inventory Number : 9345

Start Time : 22 Apr 1996 1530 GMT Latitude : 56deg 42.6min N
End Time : 02 Aug 1996 0630 GMT Longitude : 009deg 24.5min W

Nominal Cycle Interval : 3600.0 secs Sensor Depth : 1461.00m
Sea Floor Depth : 1469.00m

Positional Uncertainty : 0.5 to 1.0 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as11820.774

==========

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

1) **Instrument recorded pressure appears not to accurately reflect instrument depth. Therefore, salinity has been computed using a nominal pressure derived from the rig configuration and water depth on deployment.**

==========

Additional information stored with the data:

The transmission readings were converted to attenuance using the following values: air correction reading = 1033.17, blanked path reading = 0.00.

==========

INFORMATION FOR BODC SERIES REF. NO. 439472 (continued)

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
66188; SeaTech Transmissometer
66467; SeaTech Transmissometer: DATA PROCESSING
Data Activity Document : 66701
Fixed Station Document : 66174
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 439484

==========

Time Series Inventory Number : 9339

Start Time :	09 May 1995 1545 GMT	Latitude :	56deg 28.1min N
End Time :	13 May 1995 1145 GMT	Longitude :	008deg 57.7min W

Nominal Cycle Interval :	1800.0 secs	Sensor Depth :	138.50m
	Sea Floor Depth :	148.50m	

Positional Uncertainty :	0.5 to 1.0 n.miles
Sea Floor Datum :	Instantaneous
Sensor Depth Datum :	Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category :	Currents -subsurface Eulerian
Instrument Type :	Paddle wheel current meter
Instrument Mounting :	Subsurface mooring - subsurface buoyancy
Originator Laboratory :	Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier :	as11821.668

==========

The following **warnings** apply to this series:

1) **The current data from this instrument should be treated as highly suspect due to an incorrect balance setting on the fin.**

2) **The temperature values recorded by this meter differ greatly from CTD data recorded in the vicinity of this meter indicating that the sensor requires recalibration.**

==========

Additional information stored with the data:

The transmission readings were converted to attenuance using the following values: air correction reading = 1070.90, blanked path reading = 0.00.

==========

INFORMATION FOR BODC SERIES REF. NO. 439484 (continued)

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
65720; Aanderaa Current Meter: DATA PROCESSING
66188; SeaTech Transmissometer
66467; SeaTech Transmissometer: DATA PROCESSING
Data Activity Document : 65299
Fixed Station Document : 65206
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 508093

==========

Time Series Inventory Number : 10127

Start Time : 28 Nov 1994 1345 GMT Latitude : 56deg 37.2min N
End Time : 14 Apr 1995 0345 GMT Longitude : 006deg 24.0min W

Nominal Cycle Interval : 30.0 minutes Sensor Depth : 36.00m
Sea Floor Depth : 47.00m

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

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Dunstaffnage Marine Laboratory, Oban, Argyll, UK
Originator's Identifier : 9718.312

==========

The following additional documents apply to this series:
(see Section B of this report)

Basic Document : 13466
6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
Data Activity Document : 76634
Fixed Station Document : 76573
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 508100

==========

Time Series Inventory Number : 10131

Start Time :	29 Jul 1995 1445 GMT	Latitude :	56deg 37.1min N
End Time :	15 Dec 1995 2345 GMT	Longitude :	006deg 24.4min W

Nominal Cycle Interval : 30.0 minutes Sensor Depth : 31.00m
Sea Floor Depth : 42.00m

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

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Dunstaffnage Marine Laboratory, Oban, Argyll, UK
Originator's Identifier : 9718.325

==========

The following additional documents apply to this series:
(see Section B of this report)

Basic Document : 13466
6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
Data Activity Document : 76651
Fixed Station Document : 76573
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 508112

==========

Time Series Inventory Number : 10135

Start Time : 16 May 1996 1915 GMT Latitude : 56deg 37.3min N
End Time : 16 Sep 1996 1345 GMT Longitude : 006deg 24.3min W

Nominal Cycle Interval : 30.0 minutes Sensor Depth : 31.00m
Sea Floor Depth : 42.00m

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

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Dunstaffnage Marine Laboratory, Oban, Argyll, UK
Originator's Identifier : 9718.330

==========

The following additional documents apply to this series:
(see Section B of this report)

Basic Document : 13466
6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
Data Activity Document : 76679
Fixed Station Document : 76573
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 508161

==========

Time Series Inventory Number : 10128

Start Time : 28 Nov 1994 1415 GMT Latitude : 56deg 37.2min N
End Time : 14 Apr 1995 0345 GMT Longitude : 006deg 24.0min W

Nominal Cycle Interval : 30.0 minutes Sensor Depth : 25.00m
Sea Floor Depth : 47.00m

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

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Dunstaffnage Marine Laboratory, Oban, Argyll, UK
Originator's Identifier : 10060.312

==========

The following additional documents apply to this series:
(see Section B of this report)

Basic Document : 13466
6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
Data Activity Document : 76634
Fixed Station Document : 76573
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 508173

==========

Time Series Inventory Number : 10132

Start Time : 29 Jul 1995 1445 GMT Latitude : 56deg 37.1min N
End Time : 12 Dec 1995 1915 GMT Longitude : 006deg 24.4min W

Nominal Cycle Interval : 30.0 minutes Sensor Depth : 20.00m
Sea Floor Depth : 42.00m

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

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Dunstaffnage Marine Laboratory, Oban, Argyll, UK
Originator's Identifier : 10060.325

==========

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

1) No current speed data after 11:00 on 30/09/1995.

==========

The following additional documents apply to this series:
(see Section B of this report)

Basic Document : 13466
6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
Data Activity Document : 76651
Fixed Station Document : 76573
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 508185

==========

Time Series Inventory Number : 10136

Start Time : 16 May 1996 1915 GMT Latitude : 56deg 37.3min N
End Time : 16 Sep 1996 1345 GMT Longitude : 006deg 24.3min W

Nominal Cycle Interval : 30.0 minutes Sensor Depth : 20.00m
Sea Floor Depth : 42.00m

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

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Dunstaffnage Marine Laboratory, Oban, Argyll, UK
Originator's Identifier : 10060.330

==========

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

1) **No current speed data between 13:00 on 16/07/1996 and 23:00 on 24/07/1994, 16:00 on 25/08/1996 and 20:00 on 06/09/1996 and after 17:00 on 10/09/1996.**

==========

The following additional documents apply to this series:
(see Section B of this report)

Basic Document : 13466
6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
Data Activity Document : 76679
Fixed Station Document : 76573
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 508228

==========

Time Series Inventory Number : 10129

Start Time :	14 Apr 1995 1445 GMT	Latitude :	56deg 37.1min N
End Time :	29 Jul 1995 0745 GMT	Longitude :	006deg 23.6min W

Nominal Cycle Interval : 30.0 minutes Sensor Depth : 33.00m
Sea Floor Depth : 44.00m

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

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Dunstaffnage Marine Laboratory, Oban, Argyll, UK
Originator's Identifier : 10208.315

==========

The following additional documents apply to this series:
(see Section B of this report)

Basic Document : 13466
6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
Data Activity Document : 76648
Fixed Station Document : 76573
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 508241

==========

Time Series Inventory Number : 10133

Start Time : 19 Jan 1996 1815 GMT Latitude : 56deg 37.3min N
End Time : 16 May 1996 1316 GMT Longitude : 006deg 23.3min W

Nominal Cycle Interval : 30.0 minutes Sensor Depth : 31.00m
Sea Floor Depth : 42.00m

Positional Uncertainty : 0.5 to 1.0 n.miles
Sea Floor Datum : Approximate
Sensor Depth Datum : Sea floor reference
Disposition of Sensors : Sensor fixed, measurements made at fixed depths

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Dunstaffnage Marine Laboratory, Oban, Argyll, UK
Originator's Identifier : 10208.328

==========

The following additional documents apply to this series:
(see Section B of this report)

Basic Document : 13466
6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
Data Activity Document : 76665
Fixed Station Document : 76573
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 508277

==========

Time Series Inventory Number : 10130

Start Time :	14 Apr 1995 1445 GMT	Latitude :	56deg 37.1min N
End Time :	29 Jul 1995 0745 GMT	Longitude :	006deg 23.6min W

Nominal Cycle Interval : 30.0 minutes Sensor Depth : 22.00m
Sea Floor Depth : 44.00m

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

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Dunstaffnage Marine Laboratory, Oban, Argyll, UK
Originator's Identifier : 10209.315

==========

The following additional documents apply to this series:
(see Section B of this report)

Basic Document : 13466
6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
Data Activity Document : 76648
Fixed Station Document : 76573
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 508289

==========

Time Series Inventory Number : 10134

Start Time : 19 Jan 1996 1815 GMT Latitude : 56deg 37.3min N
End Time : 16 May 1996 1315 GMT Longitude : 006deg 23.3min W

Nominal Cycle Interval : 30.0 minutes Sensor Depth : 20.00m
Sea Floor Depth : 42.00m

Positional Uncertainty : 0.5 to 1.0 n.miles
Sea Floor Datum : Approximate
Sensor Depth Datum : Sea floor reference
Disposition of Sensors : Sensor fixed, measurements made at fixed depths

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Paddle wheel current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Dunstaffnage Marine Laboratory, Oban, Argyll, UK
Originator's Identifier : 10209.328

==========

The following additional documents apply to this series:
(see Section B of this report)

Basic Document : 13466
6200; Current Meter Data Screening carried out by BODC 1
65611; Aanderaa Recording Current Meter Model 7/8
Data Activity Document : 76665
Fixed Station Document : 76573
Project Documents : 65159, 70202

==========

S4 Current Meter Index

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

Series Ref	Data Type	Latitude deg min	Longitude deg min	Start Date yyyy/mm/dd	Sea Floor Depth m	Sensor Depth m
426074	LA	56 27.5 N	009 03.8 W	1995/05/09	300.0	30.0
426086	LA	56 27.5 N	009 03.8 W	1995/08/14	300.0	30.0
426098	LA	56 27.6 N	009 09.9 W	1995/05/11	711.0	41.0
426105	LA	56 27.6 N	009 09.8 W	1995/08/13	702.0	32.0
426117	LA	56 28.1 N	008 57.7 W	1995/05/09	149.0	26.0
426129	LA	56 27.7 N	008 57.8 W	1995/08/11	150.0	30.0
426130	LA	56 27.3 N	009 02.8 W	1995/05/10	203.0	28.0
444437	LA	56 27.4 N	008 57.9 W	1996/07/13	147.0	4.0
444449	LA	56 27.7 N	008 11.5 W	1996/07/12	149.0	6.0

where Data Type LA = Currents -subsurface Eulerian

INFORMATION FOR BODC SERIES REF. NO. 426074

==========

Time Series Inventory Number : 8711

Start Time : 09 May 1995 1632 GMT Latitude : 56deg 27.5min N
End Time : 12 Aug 1995 0932 GMT Longitude : 009deg 03.8min W

Nominal Cycle Interval : 10.0 minutes Sensor Depth : 30.00m
Sea Floor Depth : 300.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Electromagnetic current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : s41117.682

==========

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

1) The current data are noisy and should be used with care.

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
40555; InterOcean Spherical Solid State Sensor Current Meter, Model S4/S4D
Data Activity Document : 65254
Fixed Station Document : 65237
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 426086

==========

Time Series Inventory Number : 8752

Start Time : 14 Aug 1995 1412 GMT Latitude : 56deg 27.5min N
End Time : 02 Sep 1995 1002 GMT Longitude : 009deg 03.8min W

Nominal Cycle Interval : 10.0 minutes Sensor Depth : 30.00m
Sea Floor Depth : 300.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Electromagnetic current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : s41117.698

==========

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

1) **Pressure sensors on the current meters deployed on this rig record an increase of 5 dbars between 00:00 and 12:00 on August 25th 1995. This suggests that the rig slipped or was dragged downslope by a fishing vessel.**

==========

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

1) **The current data are noisy and should be used with care.**

==========

INFORMATION FOR BODC SERIES REF. NO. 426086 (continued)

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
40555; InterOcean Spherical Solid State Sensor Current Meter, Model S4/S4D
Data Activity Document : 65268
Fixed Station Document : 65237
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 426098

==========

Time Series Inventory Number : 8726

Start Time : 11 May 1995 1332 GMT Latitude : 56deg 27.6min N
End Time : 04 Aug 1995 0822 GMT Longitude : 009deg 09.9min W

Nominal Cycle Interval : 10.0 minutes Sensor Depth : 41.00m
Sea Floor Depth : 711.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Electromagnetic current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : s41119.684

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
40555; InterOcean Spherical Solid State Sensor Current Meter, Model S4/S4D
Data Activity Document : 65271
Fixed Station Document : 65240
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 426105

==========

Time Series Inventory Number : 8764

Start Time : 13 Aug 1995 1642 GMT Latitude : 56deg 27.6min N
End Time : 06 Sep 1995 0452 GMT Longitude : 009deg 09.8min W

Nominal Cycle Interval : 10.0 minutes Sensor Depth : 32.00m
Sea Floor Depth : 702.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Electromagnetic current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : s41119.702

==========

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

1) **This instrument was recovered adrift after the mooring had been damaged by trawling.**

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
40555; InterOcean Spherical Solid State Sensor Current Meter, Model S4/S4D
Data Activity Document : 65285
Fixed Station Document : 65240
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 426117

==========

Time Series Inventory Number : 8693

Start Time : 09 May 1995 0932 GMT Latitude : 56deg 28.1min N
End Time : 13 May 1995 1252 GMT Longitude : 008deg 57.7min W

Nominal Cycle Interval : 10.0 minutes Sensor Depth : 26.00m
Sea Floor Depth : 149.00m

Positional Uncertainty : 0.5 to 1.0 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Electromagnetic current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : s41264.668

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
40555; InterOcean Spherical Solid State Sensor Current Meter, Model S4/S4D
Data Activity Document : 65299
Fixed Station Document : 65206
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 426129

==========

Time Series Inventory Number : 8740

Start Time : 11 Aug 1995 1922 GMT Latitude : 56deg 27.7min N
End Time : 31 Aug 1995 1322 GMT Longitude : 008deg 57.8min W

Nominal Cycle Interval : 10.0 minutes Sensor Depth : 30.00m
Sea Floor Depth : 150.00m

Positional Uncertainty : 0.5 to 1.0 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Electromagnetic current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : s41264.689

==========

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

1) **The current data are very noisy and should be used with extreme care.**

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
40555; InterOcean Spherical Solid State Sensor Current Meter, Model S4/S4D
Data Activity Document : 65301
Fixed Station Document : 65206
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 426130

==========

Time Series Inventory Number : 8721

Start Time : 10 May 1995 1352 GMT Latitude : 56deg 27.3min N
End Time : 23 Aug 1995 0422 GMT Longitude : 009deg 02.8min W

Nominal Cycle Interval : 10.0 minutes Sensor Depth : 28.00m
Sea Floor Depth : 203.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Electromagnetic current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : s41265.683

==========

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

1) **This instrument was recovered adrift after the mooring had been damaged by trawling.**

==========

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

1) **It is possible that the rig moved at 10:45 on May 14th 1995 as indicated by pressure sensors on the rig.**

==========

INFORMATION FOR BODC SERIES REF. NO. 426130 (continued)

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
40555; InterOcean Spherical Solid State Sensor Current Meter, Model S4/S4D
Data Activity Document : 65315
Fixed Station Document : 65223
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 444437

==========

Time Series Inventory Number : 9420

Start Time	: 13 Jul 1996	1545 GMT	Latitude	:	56deg 27.4min N
End Time	: 25 Jul 1996	1201 GMT	Longitude	:	008deg 57.9min W

Nominal Cycle Interval	: 120.0 secs	Sensor Depth	: 4.00m
	Sea Floor Depth	: 147.00m	

Positional Uncertainty	: 0.1 to 0.5 n.miles
Sea Floor Datum	: Instantaneous
Sensor Depth Datum	: Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category	: Currents -subsurface Eulerian
Instrument Type	: Electromagnetic current meter
Instrument Mounting	: Subsurface mooring - subsurface buoyancy
Originator Laboratory	: Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier	: s140.S4B

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
40555; InterOcean Spherical Solid State Sensor Current Meter, Model S4/S4D
Data Activity Document : 66034
Fixed Station Document : 65206
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 444449

==========

Time Series Inventory Number : 9421

Start Time	: 12 Jul 1996	1227 GMT	Latitude	:	56deg 27.7min N
End Time	: 24 Jul 1996	1017 GMT	Longitude	:	008deg 11.5min W

Nominal Cycle Interval : 150.0 secs Sensor Depth : 6.00m
Sea Floor Depth : 149.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Electromagnetic current meter
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : s140e.S4B

==========

The following additional documents apply to this series:
(see Section B of this report)

6200; Current Meter Data Screening carried out by BODC 1
40555; InterOcean Spherical Solid State Sensor Current Meter, Model S4/S4D
Data Activity Document : 65921
Fixed Station Document : 65952
Project Documents : 65159, 70202

==========

Sea-floor Pressure Gauge Index

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

Series Ref	Data Type	Latitude deg min	Longitude deg min	Start Date yyyy/mm/dd	Sea Floor Depth m	Sensor Depth
442639	HA	56 27.5 N	008 58.5 W	1995/03/27	146.0	145.5
442640	HA	56 27.8 N	008 58.0 W	1995/09/04	146.0	145.5
442652	HA	56 36.5 N	008 56.4 W	1995/05/14	136.0	135.5
442664	HA	56 27.7 N	008 57.9 W	1995/11/19	147.0	146.5
442676	HA	56 27.6 N	008 57.9 W	1995/05/08	150.0	149.5
442688	HA	56 27.6 N	008 58.0 W	1995/08/17	147.0	146.5
442707	HA	56 36.5 N	008 56.3 W	1995/08/17	134.0	133.5
442719	HA	56 27.5 N	008 57.8 W	1996/02/01	147.0	146.5
442720	HA	56 36.3 N	008 56.0 W	1996/02/02	136.0	135.5
442732	HA	56 27.7 N	008 11.2 W	1996/07/12	149.0	148.5
442744	HA	56 36.2 N	008 55.4 W	1996/04/23	133.0	132.5

where Data Type HA = Offshore sea floor pressure series

INFORMATION FOR BODC SERIES REF. NO. 442639

==========

Time Series Inventory Number : 8701

Start Time : 27 Mar 1995 2246 GMT Latitude : 56deg 27.5min N
End Time : 11 May 1995 1415 GMT Longitude : 008deg 58.5min W

Nominal Cycle Interval : 900.0 secs Sensor Depth : 145.50m
Sea Floor Depth : 146.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Offshore sea floor pressure series
Instrument Type : Bottom pressure sensor tide gauge
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : wr0444.671

==========

Additional information stored with the data:

Pressure Recorder Data Processing At POL, Bidston

The data are converted to scientific units using factory calibrations. The date and time channel is adjusted to take account of the 40 second integration interval. The integrity of the time stamps is verified by tidal analysis.

==========

The following additional documents apply to this series:
(see Section B of this report)

41600; Offshore Sea Floor Pressure Data Screening Carried Out by BODC 1
67867; Aanderaa Bottom Pressure Recorders
Data Activity Document : 67730
Fixed Station Document : 65206
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 442640

==========

Time Series Inventory Number : 8781

Start Time :	04 Sep 1995 1830 GMT	Latitude :	56deg 27.8min N
End Time :	19 Nov 1995 0930 GMT	Longitude :	008deg 58.0min W

Nominal Cycle Interval :	900.0 secs	Sensor Depth :	145.50m
	Sea Floor Depth :	146.00m	

Positional Uncertainty	: 0.5 to 1.0 n.miles
Sea Floor Datum	: Instantaneous
Sensor Depth Datum	: Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category	: Offshore sea floor pressure series
Instrument Type	: Bottom pressure sensor tide gauge
Instrument Mounting	: Sea floor - fixed
Originator Laboratory	: Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier	: wr0444.706

==========

Additional information stored with the data:

Pressure Recorder Data Processing At POL, Bidston

The data are converted to scientific units using factory calibrations. The date and time channel is adjusted to take account of the 40 second integration interval. The integrity of the time stamps is verified by tidal analysis.

==========

The following additional documents apply to this series:
(see Section B of this report)

41600; Offshore Sea Floor Pressure Data Screening Carried Out by BODC 1
67867; Aanderaa Bottom Pressure Recorders
Data Activity Document : 67775
Fixed Station Document : 65206
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 442652

==========

Time Series Inventory Number : 8787

Start Time :	14 May 1995 1130 GMT	Latitude :	56deg 36.5min N
End Time :	16 Aug 1995 1800 GMT	Longitude :	008deg 56.4min W

Nominal Cycle Interval :	900.0 secs	Sensor Depth :	135.50m
	Sea Floor Depth :	136.00m	

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Offshore sea floor pressure series
Instrument Type : Bottom pressure sensor tide gauge
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : wr0444.710

==========

Additional information stored with the data:

Pressure Recorder Data Processing At POL, Bidston

The data are converted to scientific units using factory calibrations. The date and time channel is adjusted to take account of the 40 second integration interval. The integrity of the time stamps is verified by tidal analysis.

==========

The following additional documents apply to this series:
(see Section B of this report)

41600; Offshore Sea Floor Pressure Data Screening Carried Out by BODC 1
67867; Aanderaa Bottom Pressure Recorders
Data Activity Document : 67789
Fixed Station Document : 65734
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 442664

==========

Time Series Inventory Number : 8792

Start Time :	19 Nov 1995 1730 GMT	Latitude :	56deg 27.7min N
End Time :	01 Feb 1996 1015 GMT	Longitude :	008deg 57.9min W

Nominal Cycle Interval :	900.0 secs	Sensor Depth :	146.50m
	Sea Floor Depth :	147.00m	

Positional Uncertainty	: 0.5 to 1.0 n.miles
Sea Floor Datum	: Instantaneous
Sensor Depth Datum	: Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category	: Offshore sea floor pressure series
Instrument Type	: Bottom pressure sensor tide gauge
Instrument Mounting	: Sea floor - fixed
Originator Laboratory	: Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier	: wr1038.734

==========

Additional information stored with the data:

Pressure Recorder Data Processing At POL, Bidston

The data are converted to scientific units using factory calibrations. The date and time channel is adjusted to take account of the 40 second integration interval. The integrity of the time stamps is verified by tidal analysis.

==========

The following additional documents apply to this series:
(see Section B of this report)

41600; Offshore Sea Floor Pressure Data Screening Carried Out by BODC 1
67867; Aanderaa Bottom Pressure Recorders
Data Activity Document : 67792
Fixed Station Document : 65206
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 442676

==========

Time Series Inventory Number : 8709

Start Time : 08 May 1995 0846 GMT Latitude : 56deg 27.6min N
End Time : 15 Aug 1995 1146 GMT Longitude : 008deg 57.9min W

Nominal Cycle Interval : 900.0 secs Sensor Depth : 149.50m
Sea Floor Depth : 150.00m

Positional Uncertainty : 0.5 to 1.0 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Offshore sea floor pressure series
Instrument Type : Bottom pressure sensor tide gauge
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : wr1042.680

==========

Additional information stored with the data:

Pressure Recorder Data Processing At POL, Bidston

The data are converted to scientific units using factory calibrations. The date and time channel is adjusted to take account of the 40 second integration interval. The integrity of the time stamps is verified by tidal analysis.

==========

The following additional documents apply to this series:
(see Section B of this report)

41600; Offshore Sea Floor Pressure Data Screening Carried Out by BODC 1
67867; Aanderaa Bottom Pressure Recorders
Data Activity Document : 67744
Fixed Station Document : 65206
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 442688

==========

Time Series Inventory Number : 8746

Start Time : 17 Aug 1995 1240 GMT Latitude : 56deg 27.6min N
End Time : 04 Sep 1995 0656 GMT Longitude : 008deg 58.0min W

Nominal Cycle Interval : 900.0 secs Sensor Depth : 146.50m
Sea Floor Depth : 147.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Offshore sea floor pressure series
Instrument Type : Bottom pressure sensor tide gauge
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : wr1042.691

==========

Additional information stored with the data:

Pressure Recorder Data Processing At POL, Bidston

The data are converted to scientific units using factory calibrations. The date and time channel is adjusted to take account of the 40 second integration interval. The integrity of the time stamps is verified by tidal analysis.

==========

The following additional documents apply to this series:
(see Section B of this report)

41600; Offshore Sea Floor Pressure Data Screening Carried Out by BODC 1
67867; Aanderaa Bottom Pressure Recorders
Data Activity Document : 67758
Fixed Station Document : 65206
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 442707

==========

Time Series Inventory Number : 8771

Start Time :	17 Aug 1995 1415 GMT	Latitude :	56deg 36.5min N
End Time :	10 Jan 1996 0730 GMT	Longitude :	008deg 56.3min W

Nominal Cycle Interval :	900.0 secs	Sensor Depth :	133.50m
	Sea Floor Depth :	134.00m	

Positional Uncertainty :	0.1 to 0.5 n.miles
Sea Floor Datum :	Instantaneous
Sensor Depth Datum :	Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category :	Offshore sea floor pressure series
Instrument Type :	Bottom pressure sensor tide gauge
Instrument Mounting :	Sea floor - fixed
Originator Laboratory :	Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier :	wr0445.703

==========

The following **cautions** apply to this series:

1) **Translation errors in the raw data. An attempt was made by the data originator to reconstruct corrupt records.**

2) **The data originator identified the data recorded between 22:30 on 26th September 1995 and 05:00 27th September 1995 as "suspect".**

==========

Additional information stored with the data:

Pressure Recorder Data Processing At POL, Bidston

The data are converted to scientific units using factory calibrations. The date and time channel is adjusted to take account of the 40 second integration interval. The integrity of the time stamps is verified by tidal analysis.

==========

INFORMATION FOR BODC SERIES REF. NO. 442707 (continued)

The following additional documents apply to this series:
(see Section B of this report)

41600; Offshore Sea Floor Pressure Data Screening Carried Out by BODC 1
67867; Aanderaa Bottom Pressure Recorders
Data Activity Document : 67761
Fixed Station Document : 65734
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 442719

==========

Time Series Inventory Number : 9411

Start Time : 01 Feb 1996 1150 GMT Latitude : 56deg 27.5min N
End Time : 19 Apr 1996 1810 GMT Longitude : 008deg 57.8min W

Nominal Cycle Interval : 600.0 secs Sensor Depth : 146.50m
Sea Floor Depth : 147.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Offshore sea floor pressure series
Instrument Type : Bottom pressure sensor tide gauge
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : wr0444.746

==========

Additional information stored with the data:

Pressure Recorder Data Processing At POL, Bidston

The data are converted to scientific units using factory calibrations. The date and time channel is adjusted to take account of the 40 second integration interval. The integrity of the time stamps is verified by tidal analysis.

==========

The following additional documents apply to this series:
(see Section B of this report)

41600; Offshore Sea Floor Pressure Data Screening Carried Out by BODC 1
67867; Aanderaa Bottom Pressure Recorders
Data Activity Document : 67805
Fixed Station Document : 65206
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 442720

==========

Time Series Inventory Number : 9412

Start Time : 02 Feb 1996 1600 GMT Latitude : 56deg 36.3min N
End Time : 23 Apr 1996 0716 GMT Longitude : 008deg 56.0min W

Nominal Cycle Interval : 900.0 secs Sensor Depth : 135.50m
Sea Floor Depth : 136.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Offshore sea floor pressure series
Instrument Type : Bottom pressure sensor tide gauge
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : wr1042.752

==========

Additional information stored with the data:

Pressure Recorder Data Processing At POL, Bidston

The data are converted to scientific units using factory calibrations. The date and time channel is adjusted to take account of the 40 second integration interval. The integrity of the time stamps is verified by tidal analysis.

==========

The following additional documents apply to this series:
(see Section B of this report)

41600; Offshore Sea Floor Pressure Data Screening Carried Out by BODC 1
67867; Aanderaa Bottom Pressure Recorders
Data Activity Document : 67819
Fixed Station Document : 65734
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 442732

==========

Time Series Inventory Number : 9414

Start Time	: 12 Jul 1996	1610 GMT	Latitude	:	56deg 27.7min N
End Time	: 24 Jul 1996	1330 GMT	Longitude	:	008deg 11.2min W

Nominal Cycle Interval : 600.0 secs Sensor Depth : 148.50m
Sea Floor Depth : 149.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Offshore sea floor pressure series
Instrument Type : Bottom pressure sensor tide gauge
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : wr0444.779

==========

Additional information stored with the data:

Pressure Recorder Data Processing At POL, Bidston

The data are converted to scientific units using factory calibrations. The date and time channel is adjusted to take account of the 40 second integration interval. The integrity of the time stamps is verified by tidal analysis.

==========

The following additional documents apply to this series:
(see Section B of this report)

41600; Offshore Sea Floor Pressure Data Screening Carried Out by BODC 1
67867; Aanderaa Bottom Pressure Recorders
Data Activity Document : 67836
Fixed Station Document : 65952
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 442744

==========

Time Series Inventory Number : 9413

Start Time :	23 Apr 1996 1330 GMT	Latitude :	56deg 36.2min N
End Time :	03 Aug 1996 0715 GMT	Longitude :	008deg 55.4min W

Nominal Cycle Interval :	900.0 secs	Sensor Depth :	132.50m
	Sea Floor Depth :	133.00m	

Positional Uncertainty	: 0.5 to 1.0 n.miles
Sea Floor Datum	: Instantaneous
Sensor Depth Datum	: Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category	: Offshore sea floor pressure series
Instrument Type	: Bottom pressure sensor tide gauge
Instrument Mounting	: Sea floor - fixed
Originator Laboratory	: Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier	: wr1042.771

==========

Additional information stored with the data:

Pressure Recorder Data Processing At POL, Bidston

The data are converted to scientific units using factory calibrations. The date and time channel is adjusted to take account of the 40 second integration interval. The integrity of the time stamps is verified by tidal analysis.

==========

The following additional documents apply to this series:
(see Section B of this report)

41600; Offshore Sea Floor Pressure Data Screening Carried Out by BODC 1
67867; Aanderaa Bottom Pressure Recorders
Data Activity Document : 67822
Fixed Station Document : 65734
Project Documents : 65159, 70202

==========

STABLE Index

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

Series Ref	Data Type	Latitude deg min	Longitude deg min	Start Date yyyy/mm/dd	Sea Floor Depth m	Sensor Depth m
444413	LA	56 26.7 N	009 02.8 W	1995/08/11	197.0	195.1
444425	LA	56 27.6 N	009 02.8 W	1996/02/01	209.8	207.9

where Data Type LA = Currents -subsurface Eulerian

INFORMATION FOR BODC SERIES REF. NO. 444413

==========

Time Series Inventory Number : 9613

Start Time :	11 Aug 1995 0537 GMT	Latitude :	56deg 26.7min N
End Time :	06 Sep 1995 1753 GMT	Longitude :	009deg 02.8min W

Nominal Cycle Interval :	60.0 secs	Minimum Depth :	195.05m
Maximum Depth :	196.78m	Sea Floor Depth :	197.00m

Positional Uncertainty : 0.5 to 1.0 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference
Disposition of Sensors : Scattered at fixed depths

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Savonius rotor current meter
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : stablech121

==========

The following additional documents apply to this series:
(see Section B of this report)

Basic Document : 68616
63428; General Data Screening carried out by BODC
Data Activity Document : 68647
Fixed Station Document : 65223
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 444425

==========

Time Series Inventory Number : 9614

Start Time :	01 Feb 1996 0816 GMT	Latitude :	56deg 27.6min N
End Time :	21 Feb 1996 0846 GMT	Longitude :	009deg 02.8min W

Nominal Cycle Interval :	60.0 secs	Minimum Depth :	207.85m
Maximum Depth :	209.58m	Sea Floor Depth :	209.80m

Positional Uncertainty : 0.5 to 1.0 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference
Disposition of Sensors : Scattered at fixed depths

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Currents -subsurface Eulerian
Instrument Type : Savonius rotor current meter
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : stablech125

==========

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

1) **Due to a prolonged and difficult recovery, STABLE recorded no reliable data after 08:46 on 21 February 1996.**

==========

The following additional documents apply to this series:
(see Section B of this report)

Basic Document : 68616
63428; General Data Screening carried out by BODC
Data Activity Document : 68650
Fixed Station Document : 65223
Project Documents : 65159, 70202

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Thermistor Chain Documentation Index

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

Series Ref	Data Type	Latitude deg min	Longitude deg min	Start Date yyyy/mm/dd	Sea Floor Depth m	Sensor Depth m
439496	PC	56 28.0 N	008 57.1 W	1995/07/24	148.0	2.7
439503	PC	56 27.7 N	008 57.8 W	1995/08/11	150.0	56.3
439515	PC	56 27.7 N	008 57.9 W	1995/09/02	147.4	53.7
439527	PC	56 26.9 N	009 02.9 W	1995/05/10	196.0	2.7
439539	PC	56 37.5 N	009 01.2 W	1995/08/16	298.0	154.3
439540	PC	56 27.5 N	009 03.7 W	1995/09/03	304.0	161.3
439552	PC	56 27.6 N	009 09.9 W	1995/05/11	711.0	224.3
439564	PC	56 27.6 N	009 09.8 W	1995/08/14	702.0	214.3
439576	PC	56 27.2 N	009 02.8 W	1995/03/31	194.0	45.3
439588	PC	56 27.2 N	009 02.8 W	1995/04/17	207.0	58.3
439607	PC	56 27.3 N	009 02.8 W	1995/05/10	203.0	54.3
439619	PC	56 27.2 N	009 09.5 W	1995/05/10	698.0	2.7
439620	PC	56 27.2 N	009 02.8 W	1995/03/31	194.0	95.3
439632	PC	56 27.2 N	009 02.8 W	1995/04/17	207.0	108.3
439644	PC	56 27.3 N	009 02.8 W	1995/05/10	203.0	106.3
439656	PC	56 27.3 N	009 03.9 W	1995/05/08	300.5	2.7
439668	PC	56 28.0 N	008 57.7 W	1995/08/15	146.0	2.7
439681	PC	56 27.6 N	009 09.9 W	1995/05/11	711.0	62.3
439693	PC	56 27.6 N	009 09.8 W	1995/08/13	702.0	53.3
439700	PC	56 27.5 N	009 03.8 W	1995/05/09	300.0	46.3
439712	PC	56 27.5 N	009 03.8 W	1995/08/14	300.0	50.3
439724	PC	56 27.5 N	009 03.8 W	1995/05/09	300.0	100.3
439736	PC	56 27.5 N	009 03.8 W	1995/08/14	300.0	101.3
439748	PC	56 27.5 N	009 03.7 W	1995/09/03	304.0	52.3
439761	PC	56 27.5 N	009 03.8 W	1995/05/09	300.0	156.3
439773	PC	56 27.5 N	009 03.8 W	1995/08/14	300.0	157.3
439785	PC	56 27.6 N	009 09.9 W	1995/05/11	711.0	114.3
439797	PC	56 27.6 N	009 09.8 W	1995/08/13	702.0	105.3
439804	PC	56 27.5 N	009 03.8 W	1995/05/09	300.0	262.0
439816	PC	56 27.5 N	009 03.8 W	1995/08/14	300.0	262.0
442363	PC	56 26.9 N	009 02.8 W	1995/08/16	195.0	2.7
442375	PC	56 37.7 N	008 59.7 W	1995/05/13	200.0	51.0
442387	PC	56 27.4 N	008 57.9 W	1996/07/13	147.0	6.3
442399	PC	56 37.5 N	009 01.2 W	1995/08/16	298.0	45.3
442406	PC	56 27.9 N	009 09.8 W	1996/02/05	700.0	308.3
442418	PC	56 27.3 N	009 03.9 W	1996/04/19	291.0	147.3
442431	PC	56 27.9 N	009 09.8 W	1996/02/05	700.0	410.3
442443	PC	56 27.9 N	009 09.8 W	1996/02/05	700.0	101.3
442455	PC	56 27.3 N	009 03.9 W	1996/04/19	291.0	22.3
442467	PC	56 27.3 N	009 03.9 W	1996/04/19	291.0	90.3
442479	PC	56 28.0 N	008 57.8 W	1996/04/17	148.0	10.7
442480	PC	56 27.7 N	009 09.8 W	1996/04/18	699.0	33.3
442492	PC	56 27.7 N	008 11.5 W	1996/07/12	149.0	8.3
442511	PC	56 27.7 N	009 09.8 W	1996/04/18	699.0	663.8

Series Ref	Data Type	Latitude deg min	Longitude deg min	Start Date yyyy/mm/dd	Sea Floor Depth m	Sensor Depth m
442523	PC	56 27.7 N	009 09.8 W	1996/04/18	699.0	112.3
442535	PC	56 27.7 N	009 09.8 W	1996/04/18	699.0	318.3
442547	PC	56 28.1 N	008 57.7 W	1995/05/09	148.5	97.8
442559	PC	56 28.1 N	008 57.7 W	1995/05/09	148.5	53.8
442560	PC	56 28.2 N	009 09.8 W	1996/04/18	698.0	2.7
442572	PC	56 27.7 N	009 03.6 W	1996/04/19	290.0	2.7
442584	PC	56 27.7 N	008 57.7 W	1996/04/17	146.0	32.3
442596	PC	56 27.7 N	008 57.7 W	1996/04/17	146.0	84.3
442603	PC	56 27.3 N	009 03.9 W	1996/07/11	303.0	34.3
442615	PC	56 27.3 N	009 03.9 W	1996/07/11	303.0	102.3
442627	PC	56 27.3 N	009 03.9 W	1996/07/11	303.0	159.3

where Data Type PC = Hydrography time series at depth

INFORMATION FOR BODC SERIES REF. NO. 439496

==========

Time Series Inventory Number : 8794

Start Time :	24 Jul 1995 1730 GMT	Latitude :	56deg 28.0min N
End Time :	15 Aug 1995 1030 GMT	Longitude :	008deg 57.1min W

Nominal Cycle Interval :	1800.0 secs	Minimum Depth :	2.68m
Maximum Depth :	42.68m	Sea Floor Depth :	148.00m

Positional Uncertainty : 1.0 to 5.0 n.miles
Depth Datum : Instantaneous
Disposition of Sensors : Scattered at fixed depths

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Hydrography time series at depth
Instrument Type : Thermistor chain
Instrument Mounting : Subsurface mooring - surface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : at2331.739

==========

Additional information stored with the data:

The sensor depths and their corresponding data channels are as follows:

TEMPTC01 at 2.68m, TEMPTC02 at 6.68m, TEMPTC03 at 10.68m,
TEMPTC04 at 14.68m, TEMPTC05 at 18.68m, TEMPTC06 at 22.68m,
TEMPTC07 at 26.68m, TEMPTC08 at 30.68m, TEMPTC09 at 34.68m,
TEMPTC10 at 38.68m, TEMPTC11 at 42.68m

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 66995
Fixed Station Document : 65206
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 439503

==========

Time Series Inventory Number : 8742

Start Time :	11 Aug 1995 1918 GMT	Latitude :	56deg 27.7min N
End Time :	15 Aug 1995 1056 GMT	Longitude :	008deg 57.8min W

Nominal Cycle Interval :	60.0 secs	Minimum Depth :	56.32m
Maximum Depth :	132.32m	Sea Floor Depth :	150.00m

Positional Uncertainty : 0.5 to 1.0 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference
Disposition of Sensors : Scattered at fixed depths

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

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 : at1185.689

==========

Additional information stored with the data:

The sensor depths and their corresponding data channels are as follows:
TEMPTC01 at 56.32m, TEMPTC02 at 63.92m, TEMPTC03 at 71.52m,
TEMPTC04 at 79.12m, TEMPTC05 at 86.72m, TEMPTC06 at 94.32m,
TEMPTC07 at 101.92m, TEMPTC08 at 109.52m, TEMPTC09 at 117.12m,
TEMPTC10 at 124.72m
(The data stream from 132.32m is not present as it contained a constant zero value throughout the deployment).

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 65301
Fixed Station Document : 65206
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 439515

==========

Time Series Inventory Number : 8778

Start Time :	02 Sep 1995 0900 GMT	Latitude :	56deg 27.7min N
End Time :	19 Nov 1995 1200 GMT	Longitude :	008deg 57.9min W

Nominal Cycle Interval :	1800.0 secs	Minimum Depth :	53.72m
Maximum Depth :	129.72m	Sea Floor Depth :	147.40m

Positional Uncertainty : 0.5 to 1.0 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference
Disposition of Sensors : Scattered at fixed depths

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

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 : at1185.705

==========

Additional information stored with the data:

The sensor depths and their corresponding data channels are as follows:
TEMPTC01 at 53.72m, TEMPTC02 at 61.32m, TEMPTC03 at 68.92m,
TEMPTC04 at 76.52m, TEMPTC05 at 84.12m, TEMPTC06 at 91.72m,
TEMPTC07 at 99.32m, TEMPTC08 at 106.92m, TEMPTC09 at 114.52m,
TEMPTC10 at 122.12m
(The data stream from 129.72 is not present as it contained a constant zero value throughout the deployment).

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 65779
Fixed Station Document : 65206
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 439527

==========

Time Series Inventory Number : 8700

Start Time :	10 May 1995 1730 GMT	Latitude :	56deg 26.9min N
End Time :	28 May 1995 1100 GMT	Longitude :	009deg 02.9min W

Nominal Cycle Interval :	1800.0 secs	Minimum Depth :	2.68m
Maximum Depth :	42.68m	Sea Floor Depth :	196.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Depth Datum : Instantaneous
Disposition of Sensors : Scattered at fixed depths

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Hydrography time series at depth
Instrument Type : Thermistor chain
Instrument Mounting : Subsurface mooring - surface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : at1611.670

==========

Additional information stored with the data:

The sensor depths (in metres) and corresponding data channels are as follows:

TEMPTC01 at 2.68m, TEMPTC02 at 6.68m, TEMPTC03 at 10.68m,
TEMPTC04 at 14.68m, TEMPTC05 at 18.68m, TEMPTC06 at 30.68m,
TEMPTC07 at 34.68m, TEMPTC08 at 38.68m, TEMPTC09 at 42.68m

(The data streams from 26.68m and 22.68m are not present as they contained a constant zero value throughout the deployment).

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 66950
Fixed Station Document : 65223
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 439539

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Time Series Inventory Number : 8775

Start Time :	16 Aug 1995 1630 GMT	Latitude :	56deg 37.5min N
End Time :	02 Sep 1995 1430 GMT	Longitude :	009deg 01.2min W

Nominal Cycle Interval :	600.0 secs	Minimum Depth :	154.32m
Maximum Depth :	254.32m	Sea Floor Depth :	298.00m

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 : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

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 : at1690.704

==========

Additional information stored with the data:

The sensor depths and their corresponding data channels are as follows:
TEMPTC01 at 154.32m, TEMPTC02 at 164.32m, TEMPTC03 at 174.32m, TEMPTC04 at 184.32m, TEMPTC05 at 194.32m, TEMPTC06 at 204.32m, TEMPTC07 at 214.32m, TEMPTC08 at 224.32m, TEMPTC09 at 234.32m, TEMPTC10 at 244.32m, TEMPTC11 at 254.32m

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 65581
Fixed Station Document : 65533
Project Documents : 65159, 70202

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INFORMATION FOR BODC SERIES REF. NO. 439540

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Time Series Inventory Number : 8785

Start Time :	03 Sep 1995 1130 GMT	Latitude :	56deg 27.5min N
End Time :	05 Sep 1995 2300 GMT	Longitude :	009deg 03.7min W

Nominal Cycle Interval :	1800.0 secs	Minimum Depth :	161.32m
Maximum Depth :	261.32m	Sea Floor Depth :	304.00m

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 : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

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 : at1690.707

==========

Additional information stored with the data:

The sensor depths and their corresponding data channels are as follows:
TEMPTC01 at 161.32m, TEMPTC02 at 171.32m, TEMPTC03 at 181.32m, TEMPTC04 at 191.32m, TEMPTC05 at 201.32m, TEMPTC06 at 211.32m, TEMPTC07 at 221.32m, TEMPTC08 at 231.32m, TEMPTC09 at 241.32m, TEMPTC10 at 251.32m, TEMPTC11 at 261.32m

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 65595
Fixed Station Document : 65237
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 439552

==========

Time Series Inventory Number : 8732

Start Time :	11 May 1995 1330 GMT	Latitude :	56deg 27.6min N
End Time :	04 Aug 1995 0830 GMT	Longitude :	009deg 09.9min W

Nominal Cycle Interval :	1800.0 secs	Minimum Depth :	224.32m
Maximum Depth :	624.32m	Sea Floor Depth :	711.00m

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 : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

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 : at1763.684

==========

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

1) **The data originator expressed concern about periods of flat signal on some of the channels from this chain.**

==========

Additional information stored with the data:

The sensor depths and their corresponding data channels are as follows:
TEMPTC01 at 224.32m, TEMPTC02 at 264.32m, TEMPTC03 at 304.32m, TEMPTC04 at 344.32m, TEMPTC05 at 384.32m, TEMPTC06 at 424.32m, TEMPTC07 at 464.32m, TEMPTC08 at 504.32m, TEMPTC09 at 544.32m, TEMPTC10 at 584.32m, TEMPTC11 at 624.32m

==========

INFORMATION FOR BODC SERIES REF. NO. 439552 (continued)

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 65271
Fixed Station Document : 65240
Project Documents : 65159, 70202

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INFORMATION FOR BODC SERIES REF. NO. 439564

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Time Series Inventory Number : 8770

Start Time :	14 Aug 1995 1703 GMT	Latitude :	56deg 27.6min N
End Time :	06 Sep 1995 0603 GMT	Longitude :	009deg 09.8min W

Nominal Cycle Interval :	3600.0 secs	Minimum Depth :	214.32m
Maximum Depth :	614.32m	Sea Floor Depth :	702.00m

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 : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

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 : at1763.702

==========

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

1) **The data originator expressed concern about periods of flat signal on some of the channels from this chain.**

==========

Additional information stored with the data:

The sensor depths and their corresponding data channels are as follows:
TEMPTC01 at 214.32m, TEMPTC02 at 254.32m, TEMPTC03 at 294.32m, TEMPTC04 at 334.32m, TEMPTC05 at 374.32m, TEMPTC06 at 414.32m, TEMPTC07 at 454.32m, TEMPTC08 at 494.32m, TEMPTC09 at 534.32m, TEMPTC10 at 574.32m, TEMPTC11 at 614.32m

==========

INFORMATION FOR BODC SERIES REF. NO. 439564 (continued)

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 65285
Fixed Station Document : 65240
Project Documents : 65159, 70202

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INFORMATION FOR BODC SERIES REF. NO. 439576

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Time Series Inventory Number : 8687

Start Time :	31 Mar 1995 2020 GMT	Latitude :	56deg 27.2min N
End Time :	16 Apr 1995 1300 GMT	Longitude :	009deg 02.8min W

Nominal Cycle Interval :	600.0 secs	Minimum Depth :	45.32m
Maximum Depth :	85.32m	Sea Floor Depth :	194.00m

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 : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Hydrography time series at depth
Instrument Type : Thermistor chain
Instrument Mounting : Subsurface mooring - surface and subsurface legs
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : at2322.664

==========

Additional information stored with the data:

The sensor depths and their corresponding data channels are as follows:
TEMPTC01 at 45.32m, TEMPTC02 at 49.32m, TEMPTC03 at 53.32m,
TEMPTC04 at 57.32m, TEMPTC05 at 61.32m, TEMPTC06 at 65.32m,
TEMPTC07 at 69.32m, TEMPTC08 at 73.32m, TEMPTC09 at 77.32m,
TEMPTC10 at 81.32m, TEMPTC11 at 85.32m

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 65547
Fixed Station Document : 65223
Project Documents : 65159, 70202

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INFORMATION FOR BODC SERIES REF. NO. 439588

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Time Series Inventory Number : 8696

Start Time :	17 Apr 1995 1530 GMT	Latitude :	56deg 27.2min N
End Time :	09 May 1995 1740 GMT	Longitude :	009deg 02.8min W

Nominal Cycle Interval :	600.0 secs	Minimum Depth :	58.32m
Maximum Depth :	98.32m	Sea Floor Depth :	207.00m

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 : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Hydrography time series at depth
Instrument Type : Thermistor chain
Instrument Mounting : Subsurface mooring - surface and subsurface legs
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : at2322.669

==========

Additional information stored with the data:

The sensor depths and their corresponding data channels are as follows:
TEMPTC01 at 58.32m, TEMPTC02 at 62.32m, TEMPTC03 at 66.32m,
TEMPTC04 at 70.32m, TEMPTC05 at 74.32m, TEMPTC06 at 78.32m,
TEMPTC07 at 82.32m, TEMPTC08 at 86.32m, TEMPTC09 at 90.32m,
TEMPTC10 at 94.32m, TEMPTC11 at 98.32m

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 65550
Fixed Station Document : 65223
Project Documents : 65159, 70202

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INFORMATION FOR BODC SERIES REF. NO. 439607

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Time Series Inventory Number : 8724

Start Time :	10 May 1995 1400 GMT	Latitude :	56deg 27.3min N
End Time :	09 Sep 1995 1500 GMT	Longitude :	009deg 02.8min W

Nominal Cycle Interval :	1800.0 secs	Minimum Depth :	54.32m
Maximum Depth :	94.32m	Sea Floor Depth :	203.00m

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 : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

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 : at2322.683

==========

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

1) **This instrument was recovered adrift after the mooring had been damaged by trawling.**

==========

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

1) **It is possible that the rig moved at 10:45 on May 14th 1995, as indicated by pressure sensors on the rig.**

==========

Additional information stored with the data:

The sensor depths and their corresponding data channels are as follows:
TEMPTC01 at 54.32m, TEMPTC02 at 58.32m, TEMPTC03 at 62.32m,
TEMPTC04 at 66.32m, TEMPTC05 at 70.32m, TEMPTC06 at 74.32m,
TEMPTC07 at 78.32m, TEMPTC08 at 82.32m, TEMPTC09 at 86.32m,
TEMPTC10 at 90.32m, TEMPTC11 at 94.32m

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INFORMATION FOR BODC SERIES REF. NO. 439607 (continued)

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The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 65315
Fixed Station Document : 65223
Project Documents : 65159, 70202

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INFORMATION FOR BODC SERIES REF. NO. 439619

==========

Time Series Inventory Number : 8705

Start Time :	10 May 1995 2030 GMT	Latitude :	56deg 27.2min N
End Time :	04 Jun 1995 1800 GMT	Longitude :	009deg 09.5min W

Nominal Cycle Interval :	1800.0 secs	Minimum Depth :	2.68m
Maximum Depth :	42.68m	Sea Floor Depth :	698.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Depth Datum : Instantaneous
Disposition of Sensors : Scattered at fixed depths

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Hydrography time series at depth
Instrument Type : Thermistor chain
Instrument Mounting : Subsurface mooring - surface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : at2322.676

==========

Additional information stored with the data:

The sensor depths and their corresponding data channels are as follows:

TEMPTC01 at 2.68m, TEMPTC02 at 6.68m, TEMPTC03 at 10.68m,
TEMPTC04 at 14.68m, TEMPTC05 at 18.68m, TEMPTC06 at 22.68m,
TEMPTC07 at 26.68m, TEMPTC08 at 30.68m, TEMPTC09 at 34.68m,
TEMPTC10 at 38.68m, TEMPTC11 at 42.68m

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 66964
Fixed Station Document : 65240
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 439620

==========

Time Series Inventory Number : 8685

Start Time :	31 Mar 1995 2020 GMT	Latitude :	56deg 27.2min N
End Time :	16 Apr 1995 1300 GMT	Longitude :	009deg 02.8min W

Nominal Cycle Interval :	600.0 secs	Minimum Depth :	95.32m
Maximum Depth :	145.32m	Sea Floor Depth :	194.00m

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 : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Hydrography time series at depth
Instrument Type : Thermistor chain
Instrument Mounting : Subsurface mooring - surface and subsurface legs
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : at2323.664

==========

Additional information stored with the data:

The sensor depths and their corresponding data channels are as follows:
TEMPTC01 at 95.32m, TEMPTC02 at 100.32m, TEMPTC03 at 105.32m,
TEMPTC04 at 110.32m, TEMPTC05 at 115.32m, TEMPTC06 at 120.32m,
TEMPTC07 at 125.32m, TEMPTC08 at 130.32m, TEMPTC09 at 135.32m,
TEMPTC10 at 140.32m, TEMPTC11 at 145.32m

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 65547
Fixed Station Document : 65223
Project Documents : 65159, 70202

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INFORMATION FOR BODC SERIES REF. NO. 439632

==========

Time Series Inventory Number : 8695

Start Time :	17 Apr 1995 1530 GMT	Latitude :	56deg 27.2min N
End Time :	01 May 1995 2320 GMT	Longitude :	009deg 02.8min W

Nominal Cycle Interval :	600.0 secs	Minimum Depth :	108.32m
Maximum Depth :	158.32m	Sea Floor Depth :	207.00m

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 : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Hydrography time series at depth
Instrument Type : Thermistor chain
Instrument Mounting : Subsurface mooring - surface and subsurface legs
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : at2323.669

==========

Additional information stored with the data:

The sensor depths and their corresponding data channels are as follows:
TEMPTC01 at 108.32m, TEMPTC02 at 113.32m, TEMPTC03 at 118.32m, TEMPTC04 at 123.32m, TEMPTC05 at 128.32m, TEMPTC06 at 133.32m, TEMPTC07 at 138.32m, TEMPTC08 at 143.32m, TEMPTC09 at 148.32m, TEMPTC10 at 153.32m, TEMPTC11 at 158.32m

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 65550
Fixed Station Document : 65223
Project Documents : 65159, 70202

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INFORMATION FOR BODC SERIES REF. NO. 439644

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Time Series Inventory Number : 8725

Start Time :	10 May 1995 1400 GMT	Latitude :	56deg 27.3min N
End Time :	20 Aug 1995 2330 GMT	Longitude :	009deg 02.8min W

Nominal Cycle Interval :	1800.0 secs	Minimum Depth :	106.32m
Maximum Depth :	156.32m	Sea Floor Depth :	203.00m

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 : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

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 : at2323.683

==========

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

1) **This instrument was recovered adrift after the mooring had been damaged by trawling.**

==========

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

1) **It is possible that the rig moved at 10:45 on May 14th 1995, as indicated by pressure sensors on the rig.**

==========

Additional information stored with the data:

The sensor depths and their corresponding data channels are as follows:
TEMPTC01 at 106.32m, TEMPTC02 at 111.32m, TEMPTC03 at 116.32m, TEMPTC04 at 121.32m, TEMPTC05 at 126.32m, TEMPTC06 at 131.32m, TEMPTC07 at 136.32m, TEMPTC08 at 141.32m, TEMPTC09 at 146.32m, TEMPTC10 at 151.32m, TEMPTC11 at 156.32m

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INFORMATION FOR BODC SERIES REF. NO. 439644 (continued)

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The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 65315
Fixed Station Document : 65223
Project Documents : 65159, 70202

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INFORMATION FOR BODC SERIES REF. NO. 439656

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Time Series Inventory Number : 8710

Start Time :	08 May 1995 1230 GMT	Latitude :	56deg 27.3min N
End Time :	10 Jul 1995 2230 GMT	Longitude :	009deg 03.9min W

Nominal Cycle Interval :	1800.0 secs	Minimum Depth :	2.68m
Maximum Depth :	42.68m	Sea Floor Depth :	300.50m

Positional Uncertainty : 0.1 to 0.5 n.miles
Depth Datum : Instantaneous
Disposition of Sensors : Scattered at fixed depths

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Hydrography time series at depth
Instrument Type : Thermistor chain
Instrument Mounting : Subsurface mooring - surface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : at2330.681

==========

Additional information stored with the data:

The sensor depths and their corresponding data channels are as follows:

TEMPTC01 at 2.68m, TEMPTC02 at 6.68m, TEMPTC03 at 10.68m,
TEMPTC04 at 14.68m, TEMPTC05 at 18.68m, TEMPTC06 at 22.68m,
TEMPTC07 at 26.68m, TEMPTC08 at 30.68m, TEMPTC09 at 34.68m,
TEMPTC10 at 38.68m, TEMPTC11 at 42.68m

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 66978
Fixed Station Document : 65237
Project Documents : 65159, 70202

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INFORMATION FOR BODC SERIES REF. NO. 439668

==========

Time Series Inventory Number : 8748

Start Time :	15 Aug 1995 1926 GMT	Latitude :	56deg 28.0min N
End Time :	03 Sep 1995 1456 GMT	Longitude :	008deg 57.7min W

Nominal Cycle Interval :	600.0 secs	Minimum Depth :	2.68m
Maximum Depth :	42.68m	Sea Floor Depth :	146.00m

Positional Uncertainty : 0.5 to 1.0 n.miles
Depth Datum : Instantaneous
Disposition of Sensors : Scattered at fixed depths

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Hydrography time series at depth
Instrument Type : Thermistor chain
Instrument Mounting : Subsurface mooring - surface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : at2331.692

==========

Additional information stored with the data:

The sensor depths and their corresponding data channels are as follows:

TEMPTC01 at 2.68m, TEMPTC02 at 6.68m, TEMPTC03 at 10.68m,
TEMPTC04 at 14.68m, TEMPTC05 at 18.68m, TEMPTC06 at 22.68m,
TEMPTC07 at 26.68m, TEMPTC08 at 30.68m, TEMPTC09 at 34.68m,
TEMPTC10 at 38.68m, TEMPTC11 at 42.68m

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 66981
Fixed Station Document : 65206
Project Documents : 65159, 70202

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INFORMATION FOR BODC SERIES REF. NO. 439681

==========

Time Series Inventory Number : 8728

Start Time :	11 May 1995 1330 GMT	Latitude :	56deg 27.6min N
End Time :	04 Aug 1995 0830 GMT	Longitude :	009deg 09.9min W

Nominal Cycle Interval :	1800.0 secs	Minimum Depth :	62.32m
Maximum Depth :	112.32m	Sea Floor Depth :	711.00m

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 : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

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 : at2334.684

==========

Additional information stored with the data:

The sensor depths and their corresponding data channels are as follows:
TEMPTC01 at 62.32m, TEMPTC02 at 67.32m, TEMPTC03 at 72.32m,
TEMPTC04 at 77.32m, TEMPTC05 at 82.32m, TEMPTC06 at 87.32m,
TEMPTC07 at 92.32m, TEMPTC08 at 97.32m, TEMPTC09 at 102.32m,
TEMPTC10 at 107.32m, TEMPTC11 at 112.32m

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 65271
Fixed Station Document : 65240
Project Documents : 65159, 70202

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INFORMATION FOR BODC SERIES REF. NO. 439693

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Time Series Inventory Number : 8766

Start Time :	13 Aug 1995 1703 GMT	Latitude :	56deg 27.6min N
End Time :	06 Sep 1995 1003 GMT	Longitude :	009deg 09.8min W

Nominal Cycle Interval :	3600.0 secs	Minimum Depth :	53.32m
Maximum Depth :	103.32m	Sea Floor Depth :	702.00m

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 : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

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 : at2334.702

==========

Additional information stored with the data:

The sensor depths and their corresponding data channels are as follows:
TEMPTC01 at 53.32m, TEMPTC02 at 58.32m, TEMPTC03 at 63.32m,
TEMPTC04 at 68.32m, TEMPTC05 at 73.32m, TEMPTC06 at 78.32m,
TEMPTC07 at 83.32m, TEMPTC08 at 88.32m, TEMPTC09 at 93.32m,
TEMPTC10 at 98.32m, TEMPTC11 at 103.32m

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 65285
Fixed Station Document : 65240
Project Documents : 65159, 70202

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INFORMATION FOR BODC SERIES REF. NO. 439700

==========

Time Series Inventory Number : 8713

Start Time :	09 May 1995 1630 GMT	Latitude :	56deg 27.5min N
End Time :	12 Aug 1995 0930 GMT	Longitude :	009deg 03.8min W

Nominal Cycle Interval :	1800.0 secs	Minimum Depth :	46.32m
Maximum Depth :	96.32m	Sea Floor Depth :	300.00m

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 : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

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 : at2336.682

==========

Additional information stored with the data:

The sensor depths and their corresponding data channels are as follows:
TEMPTC01 at 46.32m, TEMPTC02 at 51.32m, TEMPTC03 at 56.32m,
TEMPTC04 at 61.32m, TEMPTC05 at 66.32m, TEMPTC06 at 71.32m,
TEMPTC07 at 76.32m, TEMPTC08 at 81.32m, TEMPTC09 at 86.32m,
TEMPTC10 at 91.32m, TEMPTC11 at 96.32m

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 65254
Fixed Station Document : 65237
Project Documents : 65159, 70202

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INFORMATION FOR BODC SERIES REF. NO. 439712

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Time Series Inventory Number : 8754

Start Time :	14 Aug 1995 1405 GMT	Latitude :	56deg 27.5min N
End Time :	02 Sep 1995 1005 GMT	Longitude :	009deg 03.8min W

Nominal Cycle Interval :	600.0 secs	Minimum Depth :	50.32m
Maximum Depth :	100.32m	Sea Floor Depth :	300.00m

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 : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

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 : at2336.698

==========

Additional information stored with the data:

The sensor depths and their corresponding data channels are as follows:
TEMPTC01 at 50.32m, TEMPTC02 at 55.32m, TEMPTC03 at 60.32m,
TEMPTC04 at 65.32m, TEMPTC05 at 70.32m, TEMPTC06 at 75.32m,
TEMPTC07 at 80.32m, TEMPTC08 at 85.32m, TEMPTC09 at 90.32m,
TEMPTC10 at 95.32m, TEMPTC11 at 100.32m

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 65268
Fixed Station Document : 65237
Project Documents : 65159, 70202

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INFORMATION FOR BODC SERIES REF. NO. 439724

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Time Series Inventory Number : 8715

Start Time :	09 May 1995 1630 GMT	Latitude :	56deg 27.5min N
End Time :	11 Aug 1995 2100 GMT	Longitude :	009deg 03.8min W

Nominal Cycle Interval :	1800.0 secs	Minimum Depth :	100.32m
Maximum Depth :	150.32m	Sea Floor Depth :	300.00m

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 : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

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 : at2337.682

==========

Additional information stored with the data:

The sensor depths and their corresponding data channels are as follows:
TEMPTC01 at 100.32m, TEMPTC02 at 105.32m, TEMPTC03 at 110.32m, TEMPTC04 at 115.32m, TEMPTC05 at 120.32m, TEMPTC06 at 125.32m, TEMPTC07 at 130.32m, TEMPTC08 at 135.32m, TEMPTC09 at 140.32m, TEMPTC10 at 145.32m, TEMPTC11 at 150.32m

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 65254
Fixed Station Document : 65237
Project Documents : 65159, 70202

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INFORMATION FOR BODC SERIES REF. NO. 439736

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Time Series Inventory Number : 8756

Start Time :	14 Aug 1995 1425 GMT	Latitude :	56deg 27.5min N
End Time :	02 Sep 1995 0905 GMT	Longitude :	009deg 03.8min W

Nominal Cycle Interval :	600.0 secs	Minimum Depth :	101.32m
Maximum Depth :	151.32m	Sea Floor Depth :	300.00m

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 : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

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 : at2337.698

==========

Additional information stored with the data:

The sensor depths and their corresponding data channels are as follows:
TEMPTC01 at 101.32m, TEMPTC02 at 106.32m, TEMPTC03 at 111.32m, TEMPTC04 at 116.32m, TEMPTC05 at 121.32m, TEMPTC06 at 126.32m, TEMPTC07 at 131.32m, TEMPTC08 at 136.32m, TEMPTC09 at 141.32m, TEMPTC10 at 146.32m, TEMPTC11 at 151.32m

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 65268
Fixed Station Document : 65237
Project Documents : 65159, 70202

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INFORMATION FOR BODC SERIES REF. NO. 439748

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Time Series Inventory Number : 8783

Start Time :	03 Sep 1995 1130 GMT	Latitude :	56deg 27.5min N
End Time :	05 Sep 1995 2300 GMT	Longitude :	009deg 03.7min W

Nominal Cycle Interval :	1800.0 secs	Minimum Depth :	52.32m
Maximum Depth :	152.32m	Sea Floor Depth :	304.00m

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 : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

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 : at2338.707

==========

Additional information stored with the data:

The sensor depths and their corresponding data channels are as follows:
TEMPTC01 at 52.32m, TEMPTC02 at 62.32m, TEMPTC03 at 72.32m,
TEMPTC04 at 82.32m, TEMPTC05 at 92.32m, TEMPTC06 at 102.32m,
TEMPTC07 at 112.32m, TEMPTC08 at 122.32m, TEMPTC09 at 132.32m,
TEMPTC10 at 142.32m, TEMPTC11 at 152.32m

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 65595
Fixed Station Document : 65237
Project Documents : 65159, 70202

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INFORMATION FOR BODC SERIES REF. NO. 439761

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Time Series Inventory Number : 8717

Start Time :	09 May 1995 1700 GMT	Latitude :	56deg 27.5min N
End Time :	12 Aug 1995 0830 GMT	Longitude :	009deg 03.8min W

Nominal Cycle Interval :	1800.0 secs	Minimum Depth :	156.32m
Maximum Depth :	256.32m	Sea Floor Depth :	300.00m

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 : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

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 : at2338.682

==========

Additional information stored with the data:

The sensor depths and their corresponding data channels are as follows:
TEMPTC01 at 156.32m, TEMPTC02 at 166.32m, TEMPTC03 at 176.32m, TEMPTC04 at 186.32m, TEMPTC05 at 196.32m, TEMPTC06 at 206.32m, TEMPTC07 at 216.32m, TEMPTC08 at 226.32m, TEMPTC09 at 236.32m, TEMPTC10 at 246.32m, TEMPTC11 at 256.32m

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 65254
Fixed Station Document : 65237
Project Documents : 65159, 70202

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INFORMATION FOR BODC SERIES REF. NO. 439773

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Time Series Inventory Number : 8758

Start Time :	14 Aug 1995 1425 GMT	Latitude :	56deg 27.5min N
End Time :	02 Sep 1995 0955 GMT	Longitude :	009deg 03.8min W

Nominal Cycle Interval :	600.0 secs	Minimum Depth :	157.32m
Maximum Depth :	257.32m	Sea Floor Depth :	300.00m

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 : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

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 : at2338.698

==========

Additional information stored with the data:

The sensor depths and their corresponding data channels are as follows:
TEMPTC01 at 157.32m, TEMPTC02 at 167.32m, TEMPTC03 at 177.32m, TEMPTC04 at 187.32m, TEMPTC05 at 197.32m, TEMPTC06 at 207.32m, TEMPTC07 at 217.32m, TEMPTC08 at 227.32m, TEMPTC09 at 237.32m, TEMPTC10 at 247.32m, TEMPTC11 at 257.32m

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 65268
Fixed Station Document : 65237
Project Documents : 65159, 70202

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INFORMATION FOR BODC SERIES REF. NO. 439785

==========

Time Series Inventory Number : 8730

Start Time :	11 May 1995 1330 GMT	Latitude :	56deg 27.6min N
End Time :	04 Aug 1995 0830 GMT	Longitude :	009deg 09.9min W

Nominal Cycle Interval :	1800.0 secs	Minimum Depth :	114.32m
Maximum Depth :	214.32m	Sea Floor Depth :	711.00m

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 : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

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 : at2339.684

==========

Additional information stored with the data:

The sensor depths and their corresponding data channels are as follows:
TEMPTC01 at 114.32m, TEMPTC02 at 124.32m, TEMPTC03 at 134.32m, TEMPTC04 at 144.32m, TEMPTC05 at 154.32m, TEMPTC06 at 164.32m, TEMPTC07 at 174.32m, TEMPTC08 at 184.32m, TEMPTC09 at 194.32m, TEMPTC10 at 204.32m, TEMPTC11 at 214.32m

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 65271
Fixed Station Document : 65240
Project Documents : 65159, 70202

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INFORMATION FOR BODC SERIES REF. NO. 439797

==========

Time Series Inventory Number : 8768

Start Time :	13 Aug 1995 1715 GMT	Latitude :	56deg 27.6min N
End Time :	06 Sep 1995 1015 GMT	Longitude :	009deg 09.8min W

Nominal Cycle Interval :	3600.0 secs	Minimum Depth :	105.32m
Maximum Depth :	205.32m	Sea Floor Depth :	702.00m

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 : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

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 : at2339.702

==========

Additional information stored with the data:

The sensor depths and their corresponding data channels are as follows:
TEMPTC01 at 105.32m, TEMPTC02 at 115.32m, TEMPTC03 at 125.32m, TEMPTC04 at 135.32m, TEMPTC05 at 145.32m, TEMPTC06 at 155.32m, TEMPTC07 at 165.32m, TEMPTC08 at 175.32m, TEMPTC09 at 185.32m, TEMPTC10 at 195.32m, TEMPTC11 at 205.32m

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 65285
Fixed Station Document : 65240
Project Documents : 65159, 70202

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INFORMATION FOR BODC SERIES REF. NO. 439804

==========

Time Series Inventory Number : 8719

Start Time :	09 May 1995 1615 GMT	Latitude :	56deg 27.5min N
End Time :	12 Aug 1995 0445 GMT	Longitude :	009deg 03.8min W

Nominal Cycle Interval :	900.0 secs	Minimum Depth :	262.00m
Maximum Depth :	287.32m	Sea Floor Depth :	300.00m

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 : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

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 : st1685.682

==========

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

1) **Corruption occurred during data translation from the logger, resulting in timing discrepancies which the data originator has resolved.**

==========

Additional information stored with the data:

The sensor depths and their corresponding data channels are as follows:
TEMPTC01 at 262.00m, TEMPTC02 at 262.32m, TEMPTC03 at 264.82m, TEMPTC04 at 267.32m, TEMPTC05 at 269.82m, TEMPTC06 at 272.32m, TEMPTC07 at 274.82m, TEMPTC08 at 277.32m, TEMPTC09 at 279.82m, TEMPTC10 at 282.32m, TEMPTC11 at 284.82m, TEMPTC12 at 287.32m
The top sensor (262.00m) is built into the data logger.

==========

INFORMATION FOR BODC SERIES REF. NO. 439804 (continued)

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 65254
Fixed Station Document : 65237
Project Documents : 65159, 70202

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INFORMATION FOR BODC SERIES REF. NO. 439816

==========

Time Series Inventory Number : 8760

Start Time :	14 Aug 1995 1500 GMT	Latitude :	56deg 27.5min N
End Time :	02 Sep 1995 1007 GMT	Longitude :	009deg 03.8min W

Nominal Cycle Interval :	450.0 secs	Minimum Depth :	262.00m
Maximum Depth :	287.32m	Sea Floor Depth :	300.00m

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 : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

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 : st1685.698

==========

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

1) **Corruption occurred during data translation from the logger, resulting in timing discrepancies which have not been resolved.**

==========

Additional information stored with the data:

The sensor depths and their corresponding data channels are as follows:
TEMPTC01 at 262.00m, TEMPTC02 at 262.32m, TEMPTC03 at 264.82m, TEMPTC04 at 267.32m, TEMPTC05 at 269.82m, TEMPTC06 at 272.32m, TEMPTC07 at 277.32m, TEMPTC09 at 282.32m, TEMPTC09 at 284.82m, TEMPTC10 at 287.32m
The top sensor (262.00m) is built into the data logger.

Sensors at 274.82m and 279.82m returned no data.

==========

INFORMATION FOR BODC SERIES REF. NO. 439816 (continued)

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 65268
Fixed Station Document : 65237
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 442363

==========

Time Series Inventory Number : 8750

Start Time :	16 Aug 1995 0830 GMT	Latitude :	56deg 26.9min N
End Time :	06 Sep 1995 0800 GMT	Longitude :	009deg 02.8min W

Nominal Cycle Interval :	600.0 secs	Minimum Depth :	2.68m
Maximum Depth :	42.68m	Sea Floor Depth :	195.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Depth Datum : Instantaneous
Disposition of Sensors : Scattered at fixed depths

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Hydrography time series at depth
Instrument Type : Thermistor chain
Instrument Mounting : Subsurface mooring - surface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : at1611.695

==========

Additional information stored with the data:

The sensor depths and corresponding data channels are as follows:
TEMPTC01 at 2.68m, TEMPTC02 at 6.68m, TEMPTC03 at 10.68m,
TEMPTC04 at 14.68m, TEMPTC05 at 18.68m, TEMPTC06 at 30.68m,
TEMPTC07 at 34.68m, TEMPTC08 at 38.68m, TEMPTC09 at 42.68m
(The data streams from 26.68m and 22.68m are not present as they contained a constant zero value throughout the deployment).

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 67387
Fixed Station Document : 65223
Project Documents : 65159, 70202

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INFORMATION FOR BODC SERIES REF. NO. 442375

==========

Time Series Inventory Number : 8703

Start Time :	13 May 1995 2115 GMT	Latitude :	56deg 37.7min N
End Time :	28 May 1995 1100 GMT	Longitude :	008deg 59.7min W

Nominal Cycle Interval :	900.0 secs	Minimum Depth :	51.00m
Maximum Depth :	101.32m	Sea Floor Depth :	200.00m

Positional Uncertainty : 0.5 to 1.0 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference
Disposition of Sensors : Scattered at fixed depths

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

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 : st2332.672

==========

Additional information stored with the data:

The sensor depths and corresponding data channels are as follows:

TEMPTC01 at 51.00m, TEMPTC02 at 51.32m, TEMPTC03 at 56.32m,
TEMPTC04 at 61.32m, TEMPTC05 at 66.32m, TEMPTC06 at 71.32m,
TEMPTC07 at 76.32m, TEMPTC08 at 81.32m, TEMPTC09 at 86.32m,
TEMPTC10 at 91.32m, TEMPTC11 at 96.32m, TEMPTC12 at 101.32m

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 65564
Fixed Station Document : 65516
Project Documents : 65159, 70202

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INFORMATION FOR BODC SERIES REF. NO. 442387

==========

Time Series Inventory Number : 8818

Start Time : 13 Jul 1996 1544 GMT		Latitude : 56deg 27.4min N	
End Time : 25 Jul 1996 1152 GMT		Longitude : 008deg 57.9min W	
Nominal Cycle Interval : 120.0 secs		Minimum Depth : 6.32m	
Maximum Depth : 82.32m		Sea Floor Depth : 147.00m	

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 : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

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 : at2412.775

==========

Additional information stored with the data:

The sensor depths and corresponding data channels are as follows:
TEMPTC01 at 6.32m, TEMPTC02 at 13.92m, TEMPTC03 at 21.52m,
TEMPTC04 at 28.12m, TEMPTC05 at 35.72m, TEMPTC06 at 43.32m,
TEMPTC07 at 50.92m, TEMPTC08 at 58.52m, TEMPTC09 at 66.12m,
TEMPTC10 at 73.72m, TEMPTC11 at 81.32m

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 66034
Fixed Station Document : 65206
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 442399

==========

Time Series Inventory Number : 8773

Start Time :	16 Aug 1995 1630 GMT	Latitude :	56deg 37.5min N
End Time :	02 Sep 1995 0940 GMT	Longitude :	009deg 01.2min W

Nominal Cycle Interval :	600.0 secs	Minimum Depth :	45.32m
Maximum Depth :	145.32m	Sea Floor Depth :	298.00m

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 : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

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 : at1688.704

==========

Additional information stored with the data:

The sensor depths and corresponding data channels are as follows:
TEMPTC01 at 45.32m, TEMPTC02 at 55.32m, TEMPTC03 at 65.32m,
TEMPTC04 at 75.32m, TEMPTC05 at 85.32m, TEMPTC06 at 95.32m,
TEMPTC07 at 105.32m, TEMPTC08 at 115.32m, TEMPTC09 at 125.32m,
TEMPTC10 at 135.32m, TEMPTC11 at 145.32m

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The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 65581
Fixed Station Document : 65533
Project Documents : 65159, 70202

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INFORMATION FOR BODC SERIES REF. NO. 442406

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Time Series Inventory Number : 8804

Start Time :	05 Feb 1996 1800 GMT	Latitude :	56deg 27.9min N
End Time :	17 Apr 1996 1730 GMT	Longitude :	009deg 09.8min W

Nominal Cycle Interval :	1800.0 secs	Minimum Depth :	308.32m
Maximum Depth :	408.32m	Sea Floor Depth :	700.00m

Positional Uncertainty : 0.5 to 1.0 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference
Disposition of Sensors : Scattered at fixed depths

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

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 : at1688.751

==========

Additional information stored with the data:

The sensor depths and corresponding data channels are as follows:
TEMPTC01 at 308.32m, TEMPTC02 at 318.32m, TEMPTC03 at 328.32m, TEMPTC04 at 338.32m, TEMPTC05 at 348.32m, TEMPTC06 at 358.32m, TEMPTC07 at 368.32m, TEMPTC08 at 378.32m, TEMPTC09 at 388.32m, TEMPTC10 at 398.32m, TEMPTC11 at 408.32m

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 65812
Fixed Station Document : 65240
Project Documents : 65159, 70202

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INFORMATION FOR BODC SERIES REF. NO. 442418

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Time Series Inventory Number : 8817

Start Time :	19 Apr 1996 1300 GMT	Latitude :	56deg 27.3min N
End Time :	10 May 1996 1400 GMT	Longitude :	009deg 03.9min W

Nominal Cycle Interval :	1800.0 secs	Minimum Depth :	147.32m
Maximum Depth :	247.32m	Sea Floor Depth :	291.00m

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 : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

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 : at2339.765

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Additional information stored with the data:

The sensor depths and corresponding data channels are as follows:
TEMPTC01 at 147.32m, TEMPTC02 at 157.32m, TEMPTC03 at 167.32m, TEMPTC04 at 177.32m, TEMPTC05 at 187.32m, TEMPTC06 at 197.32m, TEMPTC07 at 207.32m, TEMPTC08 at 217.32m, TEMPTC09 at 227.32m, TEMPTC10 at 237.32m, TEMPTC11 at 247.32m

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The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 65857
Fixed Station Document : 65237
Project Documents : 65159, 70202

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INFORMATION FOR BODC SERIES REF. NO. 442431

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Time Series Inventory Number : 8805

Start Time :	05 Feb 1996 1800 GMT	Latitude :	56deg 27.9min N
End Time :	17 Apr 1996 1730 GMT	Longitude :	009deg 09.8min W

Nominal Cycle Interval :	1800.0 secs	Minimum Depth :	410.32m
Maximum Depth :	510.32m	Sea Floor Depth :	700.00m

Positional Uncertainty : 0.5 to 1.0 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference
Disposition of Sensors : Scattered at fixed depths

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

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 : at2339.751

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Additional information stored with the data:

The sensor depths and corresponding data channels are as follows:
TEMPTC01 at 410.32m, TEMPTC02 at 420.32m, TEMPTC03 at 430.32m, TEMPTC04 at 440.32m, TEMPTC05 at 450.32m, TEMPTC06 at 460.32m, TEMPTC07 at 470.32m, TEMPTC08 at 480.32m, TEMPTC09 at 490.32m, TEMPTC10 at 500.32m, TEMPTC11 at 510.32m

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 65812
Fixed Station Document : 65240
Project Documents : 65159, 70202

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INFORMATION FOR BODC SERIES REF. NO. 442443

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Time Series Inventory Number : 8802

Start Time :	05 Feb 1996 1800 GMT	Latitude :	56deg 27.9min N
End Time :	17 Apr 1996 1730 GMT	Longitude :	009deg 09.8min W

Nominal Cycle Interval :	1800.0 secs	Minimum Depth :	101.32m
Maximum Depth :	301.32m	Sea Floor Depth :	700.00m

Positional Uncertainty : 0.5 to 1.0 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference
Disposition of Sensors : Scattered at fixed depths

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

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 : at1758.751

==========

Additional information stored with the data:

The sensor depths and corresponding data channels are as follows:
TEMPTC01 at 101.32m, TEMPTC02 at 121.32m, TEMPTC03 at 141.32m, TEMPTC04 at 161.32m, TEMPTC05 at 181.32m, TEMPTC06 at 201.32m, TEMPTC07 at 221.32m, TEMPTC08 at 241.32m, TEMPTC09 at 261.32m, TEMPTC10 at 281.32m, TEMPTC11 at 301.32m

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 65812
Fixed Station Document : 65240
Project Documents : 65159, 70202

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INFORMATION FOR BODC SERIES REF. NO. 442455

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Time Series Inventory Number : 8813

Start Time :	19 Apr 1996 1300 GMT	Latitude :	56deg 27.3min N
End Time :	10 May 1996 1400 GMT	Longitude :	009deg 03.9min W

Nominal Cycle Interval :	1800.0 secs	Minimum Depth :	22.32m
Maximum Depth :	72.32m	Sea Floor Depth :	291.00m

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 : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

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 : at2336.765

==========

Additional information stored with the data:

The sensor depths and corresponding data channels are as follows:
TEMPTC01 at 22.32m, TEMPTC02 at 27.32m, TEMPTC03 at 32.32m,
TEMPTC04 at 37.32m, TEMPTC05 at 42.32m, TEMPTC06 at 47.32m,
TEMPTC07 at 52.32m, TEMPTC08 at 57.32m, TEMPTC09 at 62.32m,
TEMPTC10 at 67.32m, TEMPTC11 at 72.32m

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 65857
Fixed Station Document : 65237
Project Documents : 65159, 70202

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INFORMATION FOR BODC SERIES REF. NO. 442467

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Time Series Inventory Number : 8815

Start Time :	19 Apr 1996 1230 GMT	Latitude :	56deg 27.3min N
End Time :	10 May 1996 1400 GMT	Longitude :	009deg 03.9min W

Nominal Cycle Interval :	1800.0 secs	Minimum Depth :	90.32m
Maximum Depth :	140.32m	Sea Floor Depth :	291.00m

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 : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

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 : at2337.765

==========

Additional information stored with the data:

The sensor depths and corresponding data channels are as follows:
TEMPTC01 at 90.32m, TEMPTC02 at 95.32m, TEMPTC03 at 100.32m,
TEMPTC04 at 105.32m, TEMPTC05 at 110.32m, TEMPTC06 at 115.32m,
TEMPTC07 at 120.32m, TEMPTC08 at 125.32m, TEMPTC09 at 130.32m,
TEMPTC10 at 135.32m, TEMPTC11 at 140.32m

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The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 65857
Fixed Station Document : 65237
Project Documents : 65159, 70202

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INFORMATION FOR BODC SERIES REF. NO. 442479

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Time Series Inventory Number : 9400

Start Time :	17 Apr 1996 1230 GMT	Latitude :	56deg 28.0min N
End Time :	15 May 1996 1330 GMT	Longitude :	008deg 57.8min W

Nominal Cycle Interval :	1800.0 secs	Minimum Depth :	10.68m
Maximum Depth :	42.68m	Sea Floor Depth :	148.00m

Positional Uncertainty : 0.5 to 1.0 n.miles
Depth Datum : Instantaneous
Disposition of Sensors : Scattered at fixed depths

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Hydrography time series at depth
Instrument Type : Thermistor chain
Instrument Mounting : Subsurface mooring - surface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : at0739.763

==========

Additional information stored with the data:

The sensor depths and corresponding data channels are as follows:
TEMPTC01 at 10.68m, TEMPTC02 at 13.88m, TEMPTC03 at 17.08m,
TEMPTC04 at 20.28m, TEMPTC05 at 23.48m, TEMPTC06 at 26.68m,
TEMPTC07 at 29.88m, TEMPTC08 at 33.08m, TEMPTC09 at 36.28m,
TEMPTC10 at 39.48m, TEMPTC11 at 42.68m

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The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 67390
Fixed Station Document : 65206
Project Documents : 65159, 70202

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INFORMATION FOR BODC SERIES REF. NO. 442480

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Time Series Inventory Number : 9402

Start Time :	18 Apr 1996 1400 GMT	Latitude :	56deg 27.7min N
End Time :	30 Jul 1996 1130 GMT	Longitude :	009deg 09.8min W

Nominal Cycle Interval :	1800.0 secs	Minimum Depth :	33.32m
Maximum Depth :	101.72m	Sea Floor Depth :	699.00m

Positional Uncertainty : 0.5 to 1.0 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference
Disposition of Sensors : Scattered at fixed depths

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

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 : at1185.768

==========

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

1) **Pressure and current data from the meters on this rig indicate that it was disturbed and damaged between 21:00 9th May and 01:30 10th May 1996. After this point, the current data from this meter are suspect.**

==========

Additional information stored with the data:

The sensor depths and corresponding data channels are as follows:
TEMPTC01 at 33.32m, TEMPTC02 at 40.92m, TEMPTC03 at 48.52m,
TEMPTC04 at 56.12m, TEMPTC05 at 63.72m, TEMPTC06 at 71.32m,
TEMPTC07 at 78.92m, TEMPTC08 at 86.52m, TEMPTC09 at 94.12m,
TEMPTC10 at 101.72m
(The data stream from 109.32m is not present, as it contained no useful data).

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INFORMATION FOR BODC SERIES REF. NO. 442480 (continued)

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The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 65918
Fixed Station Document : 65240
Project Documents : 65159, 70202

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INFORMATION FOR BODC SERIES REF. NO. 442492

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Time Series Inventory Number : 9407

Start Time : 12 Jul 1996 1226 GMT		Latitude : 56deg 27.7min N	
End Time : 24 Jul 1996 1028 GMT		Longitude : 008deg 11.5min W	
Nominal Cycle Interval : 120.0 secs		Minimum Depth : 8.32m	
Maximum Depth : 84.32m		Sea Floor Depth : 149.00m	

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 : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

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 : at1289.778

==========

Additional information stored with the data:

The sensor depths and corresponding data channels are as follows:
TEMPTC01 at 8.32m, TEMPTC02 at 15.92m, TEMPTC03 at 23.52m,
TEMPTC04 at 31.12m, TEMPTC05 at 38.72m, TEMPTC06 at 46.32m,
TEMPTC07 at 53.92m, TEMPTC08 at 61.52m, TEMPTC09 at 69.12m,
TEMPTC10 at 76.72m, TEMPTC11 at 84.32m

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 65921
Fixed Station Document : 65952
Project Documents : 65159, 70202

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INFORMATION FOR BODC SERIES REF. NO. 442511

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Time Series Inventory Number : 9403

Start Time :	18 Apr 1996 1430 GMT	Latitude :	56deg 27.7min N
End Time :	09 May 1996 1720 GMT	Longitude :	009deg 09.8min W

Nominal Cycle Interval :	600.0 secs	Minimum Depth :	663.82m
Maximum Depth :	686.32m	Sea Floor Depth :	699.00m

Positional Uncertainty : 0.5 to 1.0 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference
Disposition of Sensors : Scattered at fixed depths

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

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 : at1684.768

==========

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

1) **Pressure and current data from the meters on this rig indicate that it was disturbed and damaged between 21:00 9th May and 01:30 10th May 1996. After this point, the current data from this meter are suspect.**

==========

Additional information stored with the data:

The sensor depths and corresponding data channels are as follows:
TEMPTC01 at 663.82m, TEMPTC02 at 666.32m, TEMPTC03 at 668.82m, TEMPTC04 at 671.32m, TEMPTC05 at 673.82m, TEMPTC06 at 676.32m, TEMPTC07 at 678.82m, TEMPTC08 at 681.32m, TEMPTC09 at 683.82m, TEMPTC10 at 686.32m
(The data stream from 661.32m is not present, as it contained no useful data).

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INFORMATION FOR BODC SERIES REF. NO. 442511 (continued)

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The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 65918
Fixed Station Document : 65240
Project Documents : 65159, 70202

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INFORMATION FOR BODC SERIES REF. NO. 442523

==========

Time Series Inventory Number : 9404

Start Time :	18 Apr 1996 1400 GMT	Latitude :	56deg 27.7min N
End Time :	30 Jul 1996 1130 GMT	Longitude :	009deg 09.8min W

Nominal Cycle Interval :	1800.0 secs	Minimum Depth :	112.32m
Maximum Depth :	212.32m	Sea Floor Depth :	699.00m

Positional Uncertainty : 0.5 to 1.0 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference
Disposition of Sensors : Scattered at fixed depths

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

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 : at1688.768

==========

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

1) **Pressure and current data from the meters on this rig indicate that it was disturbed and damaged between 21:00 9th May and 01:30 10th May 1996. After this point, the current data from this meter are suspect.**

==========

Additional information stored with the data:

The sensor depths and corresponding data channels are as follows:
TEMPTC01 at 112.32m, TEMPTC02 at 122.32m, TEMPTC03 at 132.32m, TEMPTC04 at 142.32m, TEMPTC05 at 152.32m, TEMPTC06 at 162.32m, TEMPTC07 at 172.32m, TEMPTC08 at 182.32m, TEMPTC09 at 192.32m, TEMPTC10 at 202.32m, TEMPTC11 at 212.32m

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INFORMATION FOR BODC SERIES REF. NO. 442523 (continued)

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 65918
Fixed Station Document : 65240
Project Documents : 65159, 70202

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INFORMATION FOR BODC SERIES REF. NO. 442535

==========

Time Series Inventory Number : 9405

Start Time :	18 Apr 1996 1400 GMT	Latitude :	56deg 27.7min N
End Time :	30 Jul 1996 1130 GMT	Longitude :	009deg 09.8min W

Nominal Cycle Interval :	1800.0 secs	Minimum Depth :	318.32m
Maximum Depth :	518.32m	Sea Floor Depth :	699.00m

Positional Uncertainty : 0.5 to 1.0 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference
Disposition of Sensors : Scattered at fixed depths

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

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 : at1758.768

==========

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

1) **Pressure and current data from the meters on this rig indicate that it was disturbed and damaged between 21:00 9th May and 01:30 10th May 1996. After this point, the current data from this meter are suspect.**

==========

Additional information stored with the data:

The sensor depths and corresponding data channels are as follows:
TEMPTC01 at 318.32m, TEMPTC02 at 338.32m, TEMPTC03 at 358.32m, TEMPTC04 at 378.32m, TEMPTC05 at 398.32m, TEMPTC06 at 418.32m, TEMPTC07 at 438.32m, TEMPTC08 at 458.32m, TEMPTC09 at 478.32m, TEMPTC10 at 498.32m, TEMPTC11 at 518.32m

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INFORMATION FOR BODC SERIES REF. NO. 442535 (continued)

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 65918
Fixed Station Document : 65240
Project Documents : 65159, 70202

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INFORMATION FOR BODC SERIES REF. NO. 442547

==========

Time Series Inventory Number : 9396

Start Time :	09 May 1995 1000 GMT	Latitude :	56deg 28.1min N
End Time :	13 May 1995 1300 GMT	Longitude :	008deg 57.7min W

Nominal Cycle Interval :	1800.0 secs	Minimum Depth :	97.82m
Maximum Depth :	137.82m	Sea Floor Depth :	148.50m

Positional Uncertainty : 0.5 to 1.0 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference
Disposition of Sensors : Scattered at fixed depths

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

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 : at2328.668

==========

Additional information stored with the data:

The sensor depths and corresponding data channels are as follows:
TEMPTC01 at 97.82m, TEMPTC02 at 101.82m, TEMPTC03 at 105.82m,
TEMPTC04 at 109.82m, TEMPTC05 at 113.82m, TEMPTC06 at 117.82m,
TEMPTC07 at 121.82m, TEMPTC08 at 125.82m, TEMPTC09 at 129.82m,
TEMPTC10 at 133.82m, TEMPTC11 at 137.82m

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The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 65299
Fixed Station Document : 65206
Project Documents : 65159, 70202

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INFORMATION FOR BODC SERIES REF. NO. 442559

==========

Time Series Inventory Number : 9397

Start Time :	09 May 1995 1000 GMT	Latitude :	56deg 28.1min N
End Time :	13 May 1995 1300 GMT	Longitude :	008deg 57.7min W

Nominal Cycle Interval :	1800.0 secs	Minimum Depth :	53.82m
Maximum Depth :	93.82m	Sea Floor Depth :	148.50m

Positional Uncertainty : 0.5 to 1.0 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference
Disposition of Sensors : Scattered at fixed depths

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

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 : at2329.668

==========

Additional information stored with the data:

The sensor depths and corresponding data channels are as follows:
TEMPTC01 at 53.82m, TEMPTC02 at 57.32m, TEMPTC03 at 61.32m,
TEMPTC04 at 65.32m, TEMPTC05 at 69.32m, TEMPTC06 at 73.32m,
TEMPTC07 at 77.32m, TEMPTC08 at 81.32m, TEMPTC09 at 85.32m,
TEMPTC10 at 89.32m, TEMPTC11 at 93.32m

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 65299
Fixed Station Document : 65206
Project Documents : 65159, 70202

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INFORMATION FOR BODC SERIES REF. NO. 442560

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Time Series Inventory Number : 9406

Start Time :	18 Apr 1996 1700 GMT	Latitude :	56deg 28.2min N
End Time :	30 May 1996 1500 GMT	Longitude :	009deg 09.8min W

Nominal Cycle Interval :	1800.0 secs	Minimum Depth :	2.68m
Maximum Depth :	42.68m	Sea Floor Depth :	698.00m

Positional Uncertainty : 1.0 to 5.0 n.miles
Depth Datum : Instantaneous
Disposition of Sensors : Scattered at fixed depths

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Hydrography time series at depth
Instrument Type : Thermistor chain
Instrument Mounting : Subsurface mooring - surface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : at2330.769

==========

Additional information stored with the data:

The sensor depths and corresponding data channels are as follows:

TEMPTC01 at 2.68m, TEMPTC02 at 6.68m, TEMPTC03 at 10.68m,
TEMPTC04 at 14.68m, TEMPTC05 at 18.68m, TEMPTC06 at 22.68m,
TEMPTC07 at 26.68m, TEMPTC08 at 30.68m, TEMPTC09 at 34.68m,
TEMPTC10 at 38.68m, TEMPTC11 at 42.68m

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 67403
Fixed Station Document : 65240
Project Documents : 65159, 70202

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INFORMATION FOR BODC SERIES REF. NO. 442572

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Time Series Inventory Number : 9401

Start Time :	19 Apr 1996 1500 GMT	Latitude :	56deg 27.7min N
End Time :	13 Jul 1996 1830 GMT	Longitude :	009deg 03.6min W

Nominal Cycle Interval :	1800.0 secs	Minimum Depth :	2.68m
Maximum Depth :	42.68m	Sea Floor Depth :	290.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Depth Datum : Instantaneous
Disposition of Sensors : Scattered at fixed depths

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Hydrography time series at depth
Instrument Type : Thermistor chain
Instrument Mounting : Subsurface mooring - surface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : at2331.766

==========

Additional information stored with the data:

The sensor depths and corresponding data channels are as follows:

TEMPTC01 at 2.68m, TEMPTC02 at 6.68m, TEMPTC03 at 10.68m,
TEMPTC04 at 14.68m, TEMPTC05 at 18.68m, TEMPTC06 at 22.68m,
TEMPTC07 at 26.68m, TEMPTC08 at 30.68m, TEMPTC09 at 34.68m,
TEMPTC10 at 38.68m, TEMPTC11 at 42.68m

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 67417
Fixed Station Document : 65237
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 442584

==========

Time Series Inventory Number : 9398

Start Time :	17 Apr 1996 1530 GMT	Latitude :	56deg 27.7min N
End Time :	28 Jul 1996 1400 GMT	Longitude :	008deg 57.7min W

Nominal Cycle Interval :	1800.0 secs	Minimum Depth :	32.32m
Maximum Depth :	82.32m	Sea Floor Depth :	146.00m

Positional Uncertainty : 0.5 to 1.0 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference
Disposition of Sensors : Scattered at fixed depths

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

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 : at2334.761

==========

Additional information stored with the data:

The sensor depths and corresponding data channels are as follows:
TEMPTC01 at 32.32m, TEMPTC02 at 37.32m, TEMPTC03 at 42.32m,
TEMPTC04 at 47.32m, TEMPTC05 at 52.32m, TEMPTC06 at 57.32m,
TEMPTC07 at 62.32m, TEMPTC08 at 67.32m, TEMPTC09 at 72.32m,
TEMPTC10 at 77.32m, TEMPTC11 at 82.32m

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 65904
Fixed Station Document : 65206
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 442596

==========

Time Series Inventory Number : 9399

Start Time :	17 Apr 1996 1530 GMT	Latitude :	56deg 27.7min N
End Time :	28 Jul 1996 1330 GMT	Longitude :	008deg 57.7min W

Nominal Cycle Interval :	1800.0 secs	Minimum Depth :	84.32m
Maximum Depth :	134.32m	Sea Floor Depth :	146.00m

Positional Uncertainty : 0.5 to 1.0 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference
Disposition of Sensors : Scattered at fixed depths

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

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 : at2335.761

==========

Additional information stored with the data:

The sensor depths and corresponding data channels are as follows:
TEMPTC01 at 84.32m, TEMPTC02 at 89.32m, TEMPTC03 at 94.32m,
TEMPTC04 at 99.32m, TEMPTC05 at 104.32m, TEMPTC06 at 109.32m,
TEMPTC07 at 114.32m, TEMPTC08 at 119.32m, TEMPTC09 at 124.32m,
TEMPTC10 at 129.32m, TEMPTC11 at 134.32m

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 65904
Fixed Station Document : 65206
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 442603

==========

Time Series Inventory Number : 9408

Start Time : 11 Jul 1996 2110 GMT		Latitude : 56deg 27.3min N	
End Time : 28 Jul 1996 1520 GMT		Longitude : 009deg 03.9min W	
Nominal Cycle Interval : 600.0 secs		Minimum Depth : 34.32m	
Maximum Depth : 84.32m		Sea Floor Depth : 303.00m	

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 : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

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 : at2336.780

==========

The following warning applies to this series:

The data streams from channels 5, 6, 7, 8 and 9 contain erroneous data.

==========

Additional information stored with the data:

The sensor depths and corresponding data channels are as follows:
TEMPTC01 at 34.32m, TEMPTC02 at 39.32m, TEMPTC03 at 44.32m,
TEMPTC04 at 49.32m, TEMPTC05 at 54.32m, TEMPTC06 at 59.32m,
TEMPTC07 at 64.32m, TEMPTC08 at 69.32m, TEMPTC09 at 74.32m,
TEMPTC10 at 79.32m, TEMPTC11 at 84.32m

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 65935
Fixed Station Document : 65237
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 442615

==========

Time Series Inventory Number : 9409

Start Time : 11 Jul 1996	2050 GMT	Latitude :	56deg 27.3min N
End Time : 28 Jul 1996	1520 GMT	Longitude :	009deg 03.9min W

Nominal Cycle Interval :	600.0 secs	Minimum Depth :	102.32m
Maximum Depth :	152.32m	Sea Floor Depth :	303.00m

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 : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

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 : at2337.780

==========

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

1) **The data have been reconstructed after corrupted translation from the logger. The data originator reports that the record is one scan short.**

==========

Additional information stored with the data:

The sensor depths and corresponding data channels are as follows:
TEMPTC01 at 102.32m, TEMPTC02 at 107.32m, TEMPTC03 at 112.32m, TEMPTC04 at 117.32m, TEMPTC05 at 122.32m, TEMPTC06 at 127.32m, TEMPTC07 at 132.32m, TEMPTC08 at 137.32m, TEMPTC09 at 142.32m, TEMPTC10 at 147.32m, TEMPTC11 at 152.32m

==========

INFORMATION FOR BODC SERIES REF. NO. 442615 (continued)

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 65935
Fixed Station Document : 65237
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 442627

==========

Time Series Inventory Number : 9410

Start Time	: 11 Jul 1996	2050 GMT	Latitude	:	56deg 27.3min N
End Time	: 28 Jul 1996	1520 GMT	Longitude	:	009deg 03.9min W

Nominal Cycle Interval	:	600.0 secs	Minimum Depth	:	159.32m
Maximum Depth	:	259.32m	Sea Floor Depth	:	303.00m

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 : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

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	:	at2339.780

==========

Additional information stored with the data:

The sensor depths and corresponding data channels are as follows:
TEMPTC01 at 159.32m, TEMPTC02 at 169.32m, TEMPTC03 at 179.32m, TEMPTC04 at 189.32m, TEMPTC05 at 199.32m, TEMPTC06 at 209.32m, TEMPTC07 at 219.32m, TEMPTC08 at 229.32m, TEMPTC09 at 239.32m, TEMPTC10 at 249.32m, TEMPTC11 at 259.32m

==========

The following additional documents apply to this series:
(see Section B of this report)

63428; General Data Screening carried out by BODC
67001; Aanderaa Thermistor Chain
Data Activity Document : 65935
Fixed Station Document : 65237
Project Documents : 65159, 70202

==========

Temperature Probe Documentation Index

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

Series Ref	Data Type	Latitude deg min	Longitude deg min	Start Date yyyy/mm/dd	Sea Floor Depth m	Sensor Depth m
477234	PC	56 36.5 N	009 00.9 W	1996/02/03	227.0	224.0
477246	PC	56 28.0 N	008 57.8 W	1996/04/17	148.0	8.0
477258	PC	56 27.3 N	009 03.9 W	1996/07/11	303.0	265.0
477271	PC	56 27.3 N	009 03.9 W	1996/07/11	303.0	267.5
477283	PC	56 27.3 N	009 03.9 W	1996/07/11	303.0	270.0
477295	PC	56 27.3 N	009 03.9 W	1996/07/11	303.0	272.5
477302	PC	56 27.3 N	009 03.9 W	1996/07/11	303.0	275.0
477314	PC	56 27.3 N	009 03.9 W	1996/07/11	303.0	277.5
477326	PC	56 27.3 N	009 03.9 W	1996/07/11	303.0	280.0
477338	PC	56 27.3 N	009 03.9 W	1996/07/11	303.0	282.5
477351	PC	56 27.3 N	009 03.9 W	1996/07/11	303.0	285.0
477363	PC	56 27.3 N	009 03.9 W	1996/07/11	303.0	287.5
477375	PC	56 27.7 N	008 11.5 W	1996/07/12	149.0	3.0
477387	PC	56 27.7 N	008 11.5 W	1996/07/12	149.0	7.0
477399	PC	56 27.4 N	008 57.9 W	1996/07/13	147.0	5.0

where Data Type PC = Hydrography time series at depth

INFORMATION FOR BODC SERIES REF. NO. 477234

==========

Time Series Inventory Number : 9739

Start Time : 03 Feb 1996 0920 GMT Latitude : 56deg 36.5min N
End Time : 17 May 1996 1300 GMT Longitude : 009deg 00.9min W

Nominal Cycle Interval : 1200.0 secs Sensor Depth : 224.04m
Sea Floor Depth : 227.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Hydrography time series at depth
Instrument Type : Temperature and/or pressure time series
Instrument Mounting : Subsurface mooring - surface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as1362.753

==========

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

1) **The whole data series is suspect since the mooring was recovered from the seabed; therefore it should be treated with extreme caution. This was the only instrument on the rig from which any data was returned.**

==========

The following additional documents apply to this series:
(see Section B of this report)

28000; Temperature Data Screening Carried Out by BODC 1 (Moored Meter)
70216; VEMCO MINILOG12 TEMPERATURE DATA LOGGER
Data Activity Document : 70250
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 477246

==========

Time Series Inventory Number : 9740

Start Time	: 17 Apr 1996	0810 GMT	Latitude	:	56deg 28.0min N
End Time	: 15 Jul 1996	1320 GMT	Longitude	:	008deg 57.8min W

Nominal Cycle Interval : 600.0 secs Sensor Depth : 8.00m
Sea Floor Depth : 148.00m

Positional Uncertainty : 0.5 to 1.0 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Hydrography time series at depth
Instrument Type : Temperature and/or pressure time series
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as1371.763

==========

The following additional documents apply to this series:
(see Section B of this report)

28000; Temperature Data Screening Carried Out by BODC 1 (Moored Meter)
70216; VEMCO MINILOG12 TEMPERATURE DATA LOGGER
Data Activity Document : 67390
Fixed Station Document : 65206
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 477258

==========

Time Series Inventory Number : 9744

Start Time	: 11 Jul 1996	2042 GMT	Latitude	:	56deg 27.3min N
End Time	: 28 Jul 1996	1528 GMT	Longitude	:	009deg 03.9min W

Nominal Cycle Interval : 120.0 secs Sensor Depth : 265.00m
Sea Floor Depth : 303.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Hydrography time series at depth
Instrument Type : Temperature and/or pressure time series
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as2406.780

==========

The following additional documents apply to this series:
(see Section B of this report)

28000; Temperature Data Screening Carried Out by BODC 1 (Moored Meter)
70216; VEMCO MINILOG12 TEMPERATURE DATA LOGGER
Data Activity Document : 65935
Fixed Station Document : 65237
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 477271

==========

Time Series Inventory Number : 9745

Start Time	: 11 Jul 1996	2044 GMT	Latitude	:	56deg 27.3min N
End Time	: 28 Jul 1996	1354 GMT	Longitude	:	009deg 03.9min W

Nominal Cycle Interval : 120.0 secs Sensor Depth : 267.50m
Sea Floor Depth : 303.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Hydrography time series at depth
Instrument Type : Temperature and/or pressure time series
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as2407.780

==========

The following additional documents apply to this series:
(see Section B of this report)

28000; Temperature Data Screening Carried Out by BODC 1 (Moored Meter)
70216; VEMCO MINILOG12 TEMPERATURE DATA LOGGER
Data Activity Document : 65935
Fixed Station Document : 65237
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 477283

==========

Time Series Inventory Number : 9746

Start Time	: 11 Jul 1996	2050 GMT	Latitude	:	56deg 27.3min N
End Time	: 28 Jul 1996	1528 GMT	Longitude	:	009deg 03.9min W

Nominal Cycle Interval : 120.0 secs Sensor Depth : 270.00m
Sea Floor Depth : 303.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Hydrography time series at depth
Instrument Type : Temperature and/or pressure time series
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as2408.780

==========

The following additional documents apply to this series:
(see Section B of this report)

28000; Temperature Data Screening Carried Out by BODC 1 (Moored Meter)
70216; VEMCO MINILOG12 TEMPERATURE DATA LOGGER
Data Activity Document : 65935
Fixed Station Document : 65237
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 477295

==========

Time Series Inventory Number : 9747

Start Time	: 11 Jul 1996	2040 GMT	Latitude	:	56deg 27.3min N
End Time	: 28 Jul 1996	1528 GMT	Longitude	:	009deg 03.9min W

Nominal Cycle Interval	: 120.0 secs	Sensor Depth	: 272.50m
	Sea Floor Depth	: 303.00m	

Positional Uncertainty	: 0.1 to 0.5 n.miles
Sea Floor Datum	: Instantaneous
Sensor Depth Datum	: Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category	: Hydrography time series at depth
Instrument Type	: Temperature and/or pressure time series
Instrument Mounting	: Subsurface mooring - subsurface buoyancy
Originator Laboratory	: Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier	: as2409.780

==========

The following additional documents apply to this series:
(see Section B of this report)

28000; Temperature Data Screening Carried Out by BODC 1 (Moored Meter)
70216; VEMCO MINILOG12 TEMPERATURE DATA LOGGER
Data Activity Document : 65935
Fixed Station Document : 65237
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 477302

==========

Time Series Inventory Number : 9748

Start Time	: 11 Jul 1996	2046 GMT	Latitude	:	56deg 27.3min N
End Time	: 28 Jul 1996	1528 GMT	Longitude	:	009deg 03.9min W

Nominal Cycle Interval : 120.0 secs Sensor Depth : 275.00m
Sea Floor Depth : 303.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Hydrography time series at depth
Instrument Type : Temperature and/or pressure time series
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as2410.780

==========

The following additional documents apply to this series:
(see Section B of this report)

28000; Temperature Data Screening Carried Out by BODC 1 (Moored Meter)
70216; VEMCO MINILOG12 TEMPERATURE DATA LOGGER
Data Activity Document : 65935
Fixed Station Document : 65237
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 477314

==========

Time Series Inventory Number : 9749

Start Time	: 11 Jul 1996	2042 GMT	Latitude	:	56deg 27.3min N
End Time	: 28 Jul 1996	1530 GMT	Longitude	:	009deg 03.9min W

Nominal Cycle Interval : 120.0 secs Sensor Depth : 277.50m
Sea Floor Depth : 303.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Hydrography time series at depth
Instrument Type : Temperature and/or pressure time series
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as2411.780

==========

The following additional documents apply to this series:
(see Section B of this report)

28000; Temperature Data Screening Carried Out by BODC 1 (Moored Meter)
70216; VEMCO MINILOG12 TEMPERATURE DATA LOGGER
Data Activity Document : 65935
Fixed Station Document : 65237
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 477326

==========

Time Series Inventory Number : 9750

Start Time	: 11 Jul 1996	2044 GMT	Latitude	:	56deg 27.3min N
End Time	: 28 Jul 1996	1528 GMT	Longitude	:	009deg 03.9min W

Nominal Cycle Interval : 120.0 secs Sensor Depth : 280.00m
Sea Floor Depth : 303.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Hydrography time series at depth
Instrument Type : Temperature and/or pressure time series
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as2412.780

==========

The following additional documents apply to this series:
(see Section B of this report)

28000; Temperature Data Screening Carried Out by BODC 1 (Moored Meter)
70216; VEMCO MINILOG12 TEMPERATURE DATA LOGGER
Data Activity Document : 65935
Fixed Station Document : 65237
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 477338

==========

Time Series Inventory Number : 9751

Start Time	: 11 Jul 1996	2044 GMT	Latitude	:	56deg 27.3min N
End Time	: 28 Jul 1996	1528 GMT	Longitude	:	009deg 03.9min W

Nominal Cycle Interval : 120.0 secs Sensor Depth : 282.50m
Sea Floor Depth : 303.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Hydrography time series at depth
Instrument Type : Temperature and/or pressure time series
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as2413.780

==========

The following additional documents apply to this series:
(see Section B of this report)

28000; Temperature Data Screening Carried Out by BODC 1 (Moored Meter)
70216; VEMCO MINILOG12 TEMPERATURE DATA LOGGER
Data Activity Document : 65935
Fixed Station Document : 65237
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 477351

==========

Time Series Inventory Number : 9752

Start Time	: 11 Jul 1996	2044 GMT	Latitude	:	56deg 27.3min N
End Time	: 28 Jul 1996	1528 GMT	Longitude	:	009deg 03.9min W

Nominal Cycle Interval : 120.0 secs Sensor Depth : 285.00m
Sea Floor Depth : 303.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Hydrography time series at depth
Instrument Type : Temperature and/or pressure time series
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as2414.780

==========

The following additional documents apply to this series:
(see Section B of this report)

28000; Temperature Data Screening Carried Out by BODC 1 (Moored Meter)
70216; VEMCO MINILOG12 TEMPERATURE DATA LOGGER
Data Activity Document : 65935
Fixed Station Document : 65237
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 477363

==========

Time Series Inventory Number : 9753

Start Time	: 11 Jul 1996	2042 GMT	Latitude	:	56deg 27.3min N
End Time	: 28 Jul 1996	1528 GMT	Longitude	:	009deg 03.9min W

Nominal Cycle Interval : 120.0 secs Sensor Depth : 287.50m
Sea Floor Depth : 303.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Hydrography time series at depth
Instrument Type : Temperature and/or pressure time series
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as2415.780

==========

The following additional documents apply to this series:
(see Section B of this report)

28000; Temperature Data Screening Carried Out by BODC 1 (Moored Meter)
70216; VEMCO MINILOG12 TEMPERATURE DATA LOGGER
Data Activity Document : 65935
Fixed Station Document : 65237
Project Documents : 65159, 70202

==========

INFORMATION FOR BODC SERIES REF. NO. 477375

==========

Time Series Inventory Number : 9742

Start Time	: 12 Jul 1996	1222 GMT	Latitude	:	56deg 27.7min N
End Time	: 24 Jul 1996	1024 GMT	Longitude	:	008deg 11.5min W

Nominal Cycle Interval : 120.0 secs Sensor Depth : 3.00m
Sea Floor Depth : 149.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Hydrography time series at depth
Instrument Type : Temperature and/or pressure time series
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as2416.778

==========

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

1) **A prominent dip in temperature occurred between 17:00 and 19:00 on 23 July 1998 and was flagged suspect as this feature was not present in the series for the other temperature probe on this rig. The temperature decreased from 14 degC to 12.82 degC before levelling off again around 14 degC.**

==========

The following additional documents apply to this series:
(see Section B of this report)

28000; Temperature Data Screening Carried Out by BODC 1 (Moored Meter)
70216; VEMCO MINILOG12 TEMPERATURE DATA LOGGER
Data Activity Document : 65921
Fixed Station Document : 65952
Project Documents : 65159, 70202

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INFORMATION FOR BODC SERIES REF. NO. 477387

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Time Series Inventory Number : 9743

Start Time	: 12 Jul 1996	1230 GMT	Latitude	:	56deg 27.7min N
End Time	: 24 Jul 1996	1014 GMT	Longitude	:	008deg 11.5min W

Nominal Cycle Interval	: 120.0 secs	Sensor Depth	: 7.00m
	Sea Floor Depth	: 149.00m	

Positional Uncertainty	: 0.1 to 0.5 n.miles
Sea Floor Datum	: Instantaneous
Sensor Depth Datum	: Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category	: Hydrography time series at depth
Instrument Type	: Temperature and/or pressure time series
Instrument Mounting	: Subsurface mooring - subsurface buoyancy
Originator Laboratory	: Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier	: as2417.778

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The following additional documents apply to this series:
(see Section B of this report)

28000; Temperature Data Screening Carried Out by BODC 1 (Moored Meter)
70216; VEMCO MINILOG12 TEMPERATURE DATA LOGGER
Data Activity Document : 65921
Fixed Station Document : 65952
Project Documents : 65159, 70202

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INFORMATION FOR BODC SERIES REF. NO. 477399

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Time Series Inventory Number : 9741

Start Time	: 13 Jul 1996	1544 GMT	Latitude	:	56deg 27.4min N
End Time	: 25 Jul 1996	1152 GMT	Longitude	:	008deg 57.9min W

Nominal Cycle Interval : 120.0 secs Sensor Depth : 5.00m
Sea Floor Depth : 147.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Sea Floor Datum : Instantaneous
Sensor Depth Datum : Sea floor reference

Project : Land Ocean Interaction Study (LOIS)
Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Hydrography time series at depth
Instrument Type : Temperature and/or pressure time series
Instrument Mounting : Subsurface mooring - subsurface buoyancy
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : as2419.775

==========

The following additional documents apply to this series:
(see Section B of this report)

28000; Temperature Data Screening Carried Out by BODC 1 (Moored Meter)
70216; VEMCO MINILOG12 TEMPERATURE DATA LOGGER
Data Activity Document : 66034
Fixed Station Document : 65206
Project Documents : 65159, 70202

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Waverider Index

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

Series Ref	Data Type	Latitude deg min	Longitude deg min	Start Date yyyy/mm/dd	Sea Floor Depth m	Sensor Depth m
507815	GG	56 27.5 N	008 58.2 W	1995/09/05	140.0	0.0

where Data Type GG = Waves -unspecified

INFORMATION FOR BODC SERIES REF. NO. 507815

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Time Series Inventory Number : 10105

Start Time : 05 Sep 1995 1800 GMT Latitude : 56deg 27.5min N
End Time : 07 Nov 1995 0600 GMT Longitude : 008deg 58.2min W

Nominal Cycle Interval : 180.0 minutes Sensor Depth : 0.00m
Sea Floor Depth : 140.00m

Positional Uncertainty : 0.01 to 0.05 n.miles
Sea Floor Datum : Approximate
Sensor Depth Datum : Instantaneous

Project : LOIS Shelf Edge Study (LOIS - SES)

Data Category : Waves -unspecified
Instrument Type : Accelerometer-waverider buoy
Instrument Mounting : Buoy/mooring
Originator Laboratory : Proudman Oceanographic Lab., Bidston, UK
Originator's Identifier : wr.744

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

1) **The mooring broke free during November 1995. All data after 07 November 1995 06:00 have been ignored.**

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The following additional documents apply to this series:
(see Section B of this report)

Data Activity Document : 75203
Fixed Station Document : 65206
Project Documents : 65159,70202

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BODC BASIC DOCUMENT NO. 13466

Applies to BODC Series Ref. Nos.: 508093, 508100, 508112, 508161, 508173, 508185, 508228, 508241, 508277, 508289

Summary of DML (formerly SMBA) Standard Procedures for Current Meter Data
==========

Calibration:- Each meter is calibrated against the manufacturer's formulae for direction and Plessey meters are calibrated for temperature; Aanderaa meters use the manufacturer's temperature calibrations. The manufacturer's velocity and pressure calibrations are used.

Mooring system for water depths up to 200m:- U shaped mooring i.e. pellet float to pellet line to sub-surface buoy to meter mooring line (with either in-line or A-frame mounting of meters) to anchor weight to ground line to anchor weight to marker buoy tow chain, then line to surface spar marker buoy and to pellet line and floats. The mooring is deployed in the order given and recovered in reverse order. Usually lengths of main wires are: buoy tow line D-15m, buoy tow chain 55m, sometimes buoy line is all chain, (prior to 1977 buoy tow line 2D used without chain), ground wire 2D (but never less than 150m), meter rope (excluding sub-surface buoy bridles and anchor bridles) D-X-3m where D is the depth of water and X is the depth of the sub-surface buoy. Generally X=30m but this may vary depending on the application of the mooring and the requirement for near surface current measurements. The mooring site is chosen by echo sounding to accord with the preset length of instrument line; however, occasionally the length of the instrument line is adjusted on station. The site is positioned to an accuracy of 0.5nm using either Decca main chain, Loran or Satellite Navigation (GPS), depending on reception etc.

Data sampling/processing:- Speed is integrated over the sampling interval. Direction and, where measured, temperature and pressure, are taken as spot measurements at the end of the sampling interval. Direction is corrected for magnetic variation. Pressure measurements are not corrected for atmospheric pressure. Parameter values i.e. speed, direction, temperature and pressure are given at times incremented by the sample interval. The time assigned to each parameter is that of the end of the sampling interval. Time values are corrected for clock error should this occur. Sea floor depths are relative to the instantaneous sea surface i.e. obtained from corrected echo soundings at the time of rig deployment (Matthew's corrections are applied).

BODC BASIC DOCUMENT NO. 65394

Applies to BODC Series Ref. Nos.: 427366, 427378, 427391

POL Met Buoy employed during LOIS SES
==========

A large surface toroid buoy with a light tower and metal rail for instrument mounting, secured at the sea floor by a 500kg anchor chain.

```
Geometry:          -            *  <--------Wind, buoy orientation,
                   |           / \          air temperature and solar
                   |          _|_|_         radiation sensors
                  ~ 2m       /  |  \
                   |        /   |   \
                   |      _/____|____\_
Sea Level ---------------(_____________)-----------
              ~20cm{           \./ <--------Sea surface temperature
                                              sensor
```

Instrumentation:

Aanderaa Wind Speed Sensor (Model 2593)

The Wind Speed Sensor 2593 consists of a three-cup rotor on top of an ABS housing. The rotor bearing consists of two stainless steel ball bearings, protected by a surrounding skirt. The lower end of the skirt is furnished with a magnet. The magnet's rotation is sensed by a reed contact located inside the housing.

Manufacturer's specifications:
THRESHOLD SPEED 30 to 50 cm/s
ACCURACY +/- 2 %
TEMPERATURE RANGE -40 to +50 degC

Aanderaa Instruments Wind Direction Sensor (Model 2053)

This sensor consists of a light wind vane which can turn on a vertical pivot, mounted on top of an ABS housing. The housing is furnished with a built-in compass (with electric read out) that is magnetically coupled to the vane. True wind speed measurements can be achieved by employing this instrument in conjunction with Aanderaa Instruments Buoy Orientation Sensor (Model 2084).

Manufacturer's specifications:
THRESHOLD SPEED less than 30 cm/s
ACCURACY better than +/- 5 degrees
TEMPERATURE RANGE -40 to +50 deg C

BODC BASIC DOCUMENT NO. 65394 (continued)

Aanderaa Instruments Solar Radiation Sensor (Model 2770)

This sensor employs a high sensitivity thermistor bridge which measures the temperature rise of a black surface under a glass dome.

Manufacturer's specifications:
WAVELENGTH 0.3 to 2.5 micron
RESOLUTION 4 W/m2
ACCURACY better than +/- 20 W/m2
RANGE 0 to 2000 W/m2

Aanderaa Instruments Temperature Sensor

This sensor is a platinum resistance thermometer designed for water and soil measurements.

Manufacturer's specifications:
MEASURING RANGE -44 to +49 degC
ACCURACY +/- 0.1 or +/- 0.25 degC (depending on model)

Aanderaa Instruments Air Temperature Sensor (Model 2775)

This sensor consists of a platinum resistance thermometer fitted inside a radiation screen.

Manufacturer's specifications:
MEASURING RANGE -44 to +49 degC
ACCURACY +/- 0.1 degC

BODC BASIC DOCUMENT NO. 65407

Applies to BODC Series Ref. Nos.: 427366, 427378, 427391

Meteorological Monitoring Buoy : DATA PROCESSING

==========

Data Originator's Processing

The following procedures are carried out before the data were supplied to BODC.

Data were downloaded from the instrument logger, and factory calibrations were applied to the wind speed and direction sensors. All channels were inspected visually, and large spikes exhibited by the sea temperature channel were removed and the resulting gaps filled by interpolation.

Shipboard measurements taken at the times of deployment and recovery were used to nominally calibrate the temperature sensors into scientific units.

BODC Data Processing and Quality Control

BODC screen both the series header qualifying information and the parameter values in the data cycles themselves.

Header information is inspected for 1) irregularities such as infeasible values; 2) inconsistencies between related information, for example depths of meter and sea bed; times for mooring deployment and for start/end of data series; length of record or number of data cycles, the cycle interval, the clock error and the period over which accrued; originator's comments on meter/mooring performance, data quality and parameters measured and the parameters actually present in the data cycles. Documents are written by BODC highlighting irregularities which cannot be resolved.

Data cycles are inspected using time series plots of all parameters. Values suspected of being of non-oceanographic origin may be tagged with the BODC flag denoting suspect value.

As the sea surface and air temperature channels were only very crudely calibrated by the data originator, the datalogger readings were recomputed and the channels recalibrated to enhance the accuracy of the data.

The solar radiation channel was converted from datalogger readings to Watts per square metre by linear regression against calibrated shipboard solar radiation data collected in the vicinity of the rig.

Likewise, the sea surface temperature channel was converted to Centigrade by linear regression against CTD and calibrated thermosalinograph data.

As no shipboard measurements were available for the calibration of the air temperature sensor, the datalogger readings were compared with data from the Meteorological Office Monitoring station at Tiree for the period of deployment.

BODC BASIC DOCUMENT NO. 68616

Applies to BODC Series Ref. Nos.: 444413, 444425

Sediment Transport and Boundary Layer Equipment Mark II (STABLE2)

Pop-up STABLE2 is a benthic lander consisting of a large aluminium frame standing on tripod legs, designed and built at the Proudman Oceanographic Laboratory. It is fitted with syntactic foam buoyancy, two Benthos transponding releases, mechanical releases and disposable ballast. When the Benthos releases receive a coded acoustic command from the mother ship, the ballast is released and the instrument pops up to the surface.

Current speeds are measured at four heights by Savonius rotor meters. Current direction is measured by a single vane.

Instruments on the frame (with their corresponding heights above sea bed):

1.950 m	D/Q pressure sensor
1.350 m	"Mean" logger with temperature sensor and the compass
0.907 m	Vane
0.762 m	R4 Savonius rotor
0.582 m	R3 Savonius rotor
0.402 m	R2 Savonius rotor
0.222 m	R1 Savonius rotor

For more information refer to POL Report No 37 1994 (Description and Interpretation of Data Recorded by STABLE II During Charles Darwin Cruise 84, OMEX, Goban Spur, January 1994; J.D. Humphery and S.P. Moores).

BODC BASIC DOCUMENT NO. 69924

Applies to BODC Series Ref. Nos.: 476046, 476058, 476071, 476083, 476095, 476102, 476114, 476126, 476138, 476151, 476163, 476175, 476187, 476199, 476206, 476218, 476231, 476243

FLUOROMETER : DATA PROCESSING

==========

Data Originator's Processing

The data were logged as raw counts every three minutes which was then averaged over hourly intervals. The time stamp given is the time at the end of the interval. An unusual feature of the data was that the last averaging interval of each month was two hours rather than one hour. The resulting gap in the time channel is real and not an artefact of time channel generation.

The signal (raw counts) was transformed and corrected for dark current using a reading in the dark to give a dark corrected signal.

BODC Data Processing and Quality Control

BODC screen both the series header qualifying information and the parameter values in the data cycles themselves.

Header information is inspected for 1) irregularities such as infeasible values; 2) inconsistencies between related information, for example depths of meter and sea bed; times for mooring deployment and for start/end of data series; length of record or number of data cycles, the cycle interval, the clock error and the period over which accrued; originator's comments on meter/mooring performance, data quality and parameters measured and the parameters actually present in the data cycles. Documents are written by BODC highlighting irregularities which cannot be resolved.

Data cycles are inspected using time series plots of all parameters. Values suspected of being of non-oceanographic origin may be tagged with the BODC flag denoting suspect value.

BODC HEADED DOCUMENT NO. 4872

Applies to BODC Series Ref. Nos.: 439134, 439146, 439158

Aanderaa Recording Current Meter Model 4/5

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Manufacturer's specifications: Meter (recording unit: height 51cm, diameter 12.8cm, vane size 37x100cm; overall: length 137cm, height 75cm) is designed for depths down to 2000m (6000m RCM model 5). It incorporates a spindle which is shackled into the mooring line. The meter is attached to the spindle through a gimbal mounting which permits a maximum 27deg deviation of the spindle from the vertical, the meter still remaining horizontal.

Meter comprises :-

1) Savonius rotor magnetically coupled to an electronic counter - the number of revolutions during the sampling interval giving the average current speed over the interval - starting speed 2cm/s (users find 1.5 to 3cm/s), range 2.5 to 250cm/s, accuracy greater of 1cm/s or 2 per cent.

2) vane, which aligns instrument with current flow, has a balance weight ensuring static balance and tail fins to ensure dynamic balance in flows up to 250cm/s.

3) magnetic compass (needle is clamped to potentiometer ring at instant of sampling only) - direction recorded with 0.35deg resolution, 5deg accuracy (1.5deg claimed by MAFF, Lowestoft) for speeds 5 to 100cm/s, 7.5deg accuracy for remaining speeds within 2.5 to 200cm/s range, maximum compass tilt (i.e. maximum deviation of the meter from the horizontal at which the meter still registers correctly) is 12deg in both pitch and roll axes.

4) quartz clock, accuracy better than 2sec/day within temperature range 0 to 20degC.

5) thermistor (temperature sensor), standard range -2.46 to 21.48degC (max on high range 36.04degC), accuracy 0.15degC, resolution 0.1 per cent of range, 63 per cent response time 12sec.

6) inductive cell conductivity sensor (optional), range 0 to 70mmho/cm standard resolution 0.1 per cent of range.

7) Bourdon tube pressure sensor (optional) driving a potentiometer - range 0 to 100, 200, 500, 1000 or (RCM4 to 3000psi), (RCM5 to 5000, or 8000psi), lowest calibrated pressure 14.24psi, accuracy 1 per cent of range, resolution 0.1 per cent of range.

8) self balancing potentiometer which converts the output from each sensor into a 10 bit binary number for storage on magnetic tape.

9) associated electronics.

Sample duration equals nominal interval between data cycles pre-chosen as 0.5, 1, 2, 5, 10, 15, 20, 30, 60 or 180 minutes. Sample recording order: meter reference number, temperature, (conductivity, pressure if installed), current direction, speed.

Manufacturer's calibration formulae:

Meters (manufactured prior to October 1974) with analogue measurement of speed, i.e. the Savonius rotor drives a potentiometer via a magnetically coupled follower and gearbox (6000 : 1 gear ratio):

$$\text{speed} = 1.5 + 246 * (M/T) \text{ cm/s} \qquad (1)$$

meters with digital measurement of speed i.e. utilizing an electronic reed switch to count the total number of rotor revolutions during the sampling interval:

$$\text{speed} = 1.5 + 42 * B * (M/T) \text{ cm/s} \qquad (2)$$

all meters:

$$\text{direction} = 1.5 + 0.349N \text{ deg magnetic} \qquad (3)$$

where B is the number of rotor revolutions per count, M (bits) binary is the count over the sampling interval T (sec) and N (bits) binary is the direction reading.

Note: Data collecting laboratories may calibrate their own meters and so not use the manufacturer's calibration equations.

BODC HEADED DOCUMENT NO. 6200

Applies to BODC Series Ref. Nos.: 426074, 426086, 426098, 426105, 426117, 426129, 426130, 431236, 431248, 431261, 431273, 431285, 431297, 431304, 431316, 431328, 431341, 431353, 431365, 431377, 431389, 431390, 431408, 431421, 431433, 431445, 431457, 436136, 436148, 436161, 436173, 436185, 436197, 436204, 436216, 436228, 436241, 436253, 436265, 436277, 436289, 436290, 436308, 438874, 438886, 438898, 438905, 438917, 438929, 438930, 438942, 438954, 438966, 438978, 438991, 439005, 439017, 439029, 439030, 439042, 439054, 439066, 439078, 439091, 439109, 439110, 439122, 439134, 439146, 439158, 439171, 439183, 439195, 439202, 439214, 439226, 439238, 439251, 439263, 439275, 439287, 439299, 439306, 439318, 439331, 439343, 439355, 439367, 439379, 439380, 439392, 439411, 439423, 439435, 439447, 439459, 439460, 439472, 439484, 444437, 444449, 508093, 508100, 508112, 508161, 508173, 508185, 508228, 508241, 508277, 508289

Current Meter Data Screening carried out by BODC 1

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BODC screen both the series header qualifying information and the parameter values in the data cycles themselves.

Header information is inspected for 1) irregularities such as infeasible values; 2) inconsistencies between related information, for example depths of meter and sea bed; times for mooring deployment and for start/end of data series; length of record or number of data cycles, the cycle interval, the clock error and the period over which accrued; originator's comments on meter/mooring performance, data quality and parameters measured and the parameters actually present in the data cycles. Documents are written by BODC highlighting irregularities which cannot be resolved.

Data cycles are inspected using time series plots of all parameters. Currents are additionally inspected using vector scatter plots and time series plots of North and East velocity components. These presentations undergo intrinsic and extrinsic screening to detect infeasible values within the data cycles themselves and inconsistencies as seen when comparing characteristics of adjacent data sets displaced with respect to depth, position or time. Values suspected of being of non-oceanographic origin may be tagged with the BODC flag denoting suspect value.

BODC HEADED DOCUMENT NO. 6200 (continued)

The following types of irregularity, each relying on visual detection in the time series plot, are amongst those which may be flagged as suspect:

Spurious data at the start or end of the record.
Obvious spikes occurring in periods free from meteorological disturbance.
A sequence of constant values in consecutive data cycles.

If a large percentage of the data is affected by irregularities, deemed abnormal, then instead of flagging the individual suspect values, a caution may be documented. Likewise documents will highlight irregularities seen in the current vector scatter plots such as incongruous centre holes, abnormal asymmetry in tidally dominated records or gaps as when a range of speeds or directions go unregistered due to meter malfunction.

Inconsistencies between the characteristics of the data set and those of its neighbours are sought, and where necessary, documented. This covers inconsistencies in the following:

Maximum and minimum values of parameters (spikes excluded).
The orientation and symmetry of the current vector scatter plot.
The direction of rotation of the current vectors.
The approximate amplitude and periodicity of the tidal currents.
The occurrence of meteorological events and, finally, for series for which no time check was possible, the phase.

This intrinsic and extrinsic screening of the parameter values seeks to confirm the qualifying information and the source laboratory's comments on the series. In screening and collating information, every care is taken to ensure that errors of BODC making are not introduced.

BODC HEADED DOCUMENT NO. 28000

Applies to BODC Series Ref. Nos.: 477234, 477246, 477258, 477271, 477283, 477295, 477302, 477314, 477326, 477338, 477351, 477363, 477375, 477387, 477399

Temperature Data Screening Carried Out by BODC 1 (Moored Meter)

BODC screen both the series header qualifying information and the parameter values in the data cycles themselves.

Header information is inspected for 1) irregularities such as infeasible values; 2) inconsistencies between related information, for example depths of meter and sea bed; times for mooring deployment and for start/end of data series; length of record or number of data cycles, the cycle interval, the clock error and the period over which accrued; originator's comments on meter/mooring performance, data quality and parameters measured and the parameters actually present in the data cycles. Documents are written by BODC highlighting irregularities which cannot be resolved.

Data cycles are inspected via time series plot presentations of parameters. These presentations undergo intrinsic and extrinsic screening to detect infeasible values within the data cycles themselves and inconsistencies as seen when comparing characteristics of adjacent data sets displaced with respect to depth, position or time. Values suspected of being of non oceanographic origin may be tagged with the BODC flag denoting suspect value.

The following types of irregularity, each relying on visual detection in the time series plot, are amongst those which may be flagged as suspect:

Spurious data at the start or end of the record.
Obvious spikes of non oceanographic origin.

If a large percentage of the data is affected by irregularities, deemed abnormal, then instead of flagging the individual suspect values, a caution may be documented.

Inconsistencies between the characteristics of the data set and those of its neighbours, as for example between the maximum and minimum values of the parameters (spikes excluded) are, where necessary, documented.

This intrinsic and extrinsic screening of the parameter values seeks to confirm the qualifying information and the source laboratory's comments on the series. In screening and collating information, every care is taken to ensure that errors of BODC making are not introduced.

BODC HEADED DOCUMENT NO. 40555

Applies to BODC Series Ref. Nos.: 426074, 426086, 426098, 426105, 426117, 426129, 426130, 444437, 444449

InterOcean Spherical Solid State Sensor Current Meter, Model S4/S4D
==========

Manufacturer's specification: Meter (sphere, diameter 25cm) is designed for depths down to 1000m (S4 standard: glass-filled cycloaliphalic epoxy construction with grooved surface for hydrodynamic stability) or down to 6000m (S4D, deep: annealed borosilicate glass version with smooth surface). The meter is shackled directly into the mooring cable by means of an axial titanium load bearing shaft.

Meter comprises:-

1) Electromagnetic, 2 axis current speed sensor, range 0 to 350cm/s (standard) 0 to 50 and 0 to 100cm/s (optional), resolution 0.2cm/s (standard) 0.03cm/s (0 to 50 range) 0.06cm/s (0 to 100 range), accuracy 2 per cent reading +/- 1cm/s. The sensor responds to the component of flow normal to its vertical axis.

2) Flux-gate magnetometer compass for heading information used to reference the current direction to magnetic north, compass range 360deg, resolution 0.5deg, accuracy 2deg, tilt +/- 25deg for specified accuracy.

3) Temperature stable quartz oscillator clock, accuracy 12 minutes/year.

4) Optional automatic tilt compensation i.e. the allowable tilt of the meter from the vertical at which the vertical cosine response is fully corrected, angle range +/- 45deg, resolution 0.6deg, accuracy (speed correction) 1 per cent (angle output) 0.25deg.

5) Optional semiconductor (thermistor or platinum) temperature sensor, range -5 to +45deg C, resolution 0.05deg C, accuracy 0.2deg C, response time at 63 per cent 1 min (1.5 sec thermistor or 60msec platinum).

6) Optional conductive conductivity sensor, range 5 to 70mS/cm, resolution 0.1mS/cm, accuracy 0.2mS/cm (optional inductive sensor, range 1 to 70mS/cm).

7) Optional semiconductor strain gauge pressure sensor, range 0 to 1000dBar (70M option), resolution 1dBar (4mm with 70M option), accuracy 0.25 per cent fs.

8) Recorder, CMOS static RAM microprocessor, 64KByte (128K or 256KByte optional) performs vector averaging, burst sampling and adaptive sampling.

The S4 is a self-contained current measuring sensor enclosing all necessary solid state electronics for acquiring, processing and outputting data. Data retrieval is accomplished through a serial port without opening the instrument.

The spherical shape of the S4 is a contributing factor in the rejection of the vertical components of water movement and there are no protruding parts or sensor support structures to interfere with the water flow.

The S4 measures the magnitude and direction of the horizontal current motion of the water. Water flows through the electromagnetic field created by the instrument, thereby producing a voltage which is proportional to the magnitude of the water velocity past the sensor. This voltage is then sensed by two pairs of titanium electrodes located symmetrically on the equator of the spherical housing which forms the sensor.

BODC HEADED DOCUMENT NO. 41600

Applies to BODC Series Ref. Nos.: 442639, 442640, 442652, 442664, 442676, 442688, 442707, 442719, 442720, 442732, 442744

Offshore Sea Floor Pressure Data Screening Carried Out by BODC 1

BODC screen both the series header qualifying information and the parameter values in the data cycles themselves.

Header information is inspected for 1) irregularities such as suspect values; 2) inconsistencies between related information, for example depths of meter and sea bed; times of mooring deployment and for start/end of data series; length of record or number of data cycles, the cycle interval, the clock error and the period over which accrued; originator's comments on meter/mooring performance, data quality and parameters measured and the parameters actually present in the data cycles. Documents are written by BODC highlighting irregularities which cannot be resolved.

Data cycles are inspected via time series plots of parameters. These plots undergo intrinsic and extrinsic screening to detect suspect values within the data cycles themselves and inconsistencies when compared with adjacent data sets. Values suspected of being of non oceanographic origin may be tagged with the BODC flag denoting suspect value.

The following types of irregularity, each relying on visual detection in the time series plot, are amongst those which may be flagged as suspect:

Spurious data at the start or end of the record.
Obvious spikes of non oceanographic origin.
A sequence of constant values in consecutive data cycles.

If a large percentage of the data is affected by irregularities, deemed abnormal, then instead of flagging the individual suspect values, a caution may be documented.

Inconsistencies between the characteristics of the data set and those of its neighbours, as for example between the maximum and minimum values of the parameters (spikes excluded) are, where necessary, documented.

This intrinsic and extrinsic screening of the parameter values seeks to confirm the qualifying information and the source laboratory's comments on the series. In screening and collating information, every care is taken to ensure that errors of BODC making are not introduced.

BODC HEADED DOCUMENT NO. 63428

Applies to BODC Series Ref. Nos.: 439496, 439503, 439515, 439527, 439539, 439540, 439552, 439564, 439576, 439588, 439607, 439619, 439620, 439632, 439644, 439656, 439668, 439681, 439693, 439700, 439712, 439724, 439736, 439748, 439761, 439773, 439785, 439797, 439804, 439816, 442363, 442375, 442387, 442399, 442406, 442418, 442431, 442443, 442455, 442467, 442479, 442480, 442492, 442511, 442523, 442535, 442547, 442559, 442560, 442572, 442584, 442596, 442603, 442615, 442627, 444185, 444197, 444204, 444216, 444228, 444241, 444253, 444265, 444413, 444425, 477191, 477209, 477210, 477222, 489769, 489770, 489782, 491878, 491891, 491909, 496059, 496060, 496072, 496084, 496096, 496103, 496115, 496127, 496139, 496140, 496152, 496164, 496176, 496188, 506050, 506062, 506074, 506086, 506098

General Data Screening carried out by BODC

BODC screen both the series header qualifying information and the parameter values in the data cycles themselves.

Header information is inspected for 1) irregularities such as infeasible values; 2) inconsistencies between related information, for example times for instrument deployment and for start/end of data series; length of record or number of data cycles, the cycle interval, originator's comments on meter/mooring performance, data quality and parameters measured and the parameters actually present in the data cycles. Documents are written by BODC highlighting irregularities which cannot be resolved.

Data cycles are inspected using time or depth series plots of all parameters. Currents are additionally inspected using vector scatter plots and time series plots of North and East velocity components. These presentations undergo intrinsic and extrinsic screening to detect infeasible values within the data cycles themselves and inconsistencies as seen when comparing characteristics of adjacent data sets displaced with respect to depth, position or time. Values suspected of being of non-oceanographic origin may be tagged with the BODC flag denoting suspect value; the data values will not be altered.

The following types of irregularity, each relying on visual detection in the plot, are amongst those which may be flagged as suspect:

BODC HEADED DOCUMENT NO. 63428 (continued)

Spurious data at the start or end of the record.
Obvious spikes occurring in periods free from meteorological disturbance.
A sequence of constant values in consecutive data cycles.

If a large percentage of the data is affected by irregularities, deemed abnormal, then instead of flagging the individual suspect values, a caution may be documented. Likewise documents will highlight irregularities seen in the current vector scatter plots such as incongruous centre holes, abnormal asymmetry in tidally dominated records or gaps as when a range of speeds or directions go unregistered due to meter malfunction.

Inconsistencies between the characteristics of the data set and those of its neighbours are sought and, where necessary, documented. This covers inconsistencies such as the following:

Maximum and minimum values of parameters (spikes excluded).
The occurrence of meteorological events.

This intrinsic and extrinsic screening of the parameter values seeks to confirm the qualifying information and the source laboratory's comments on the series. In screening and collating information, every care is taken to ensure that errors of BODC making are not introduced.

BODC HEADED DOCUMENT NO. 65611

Applies to BODC Series Ref. Nos.: 431236, 431248, 431261, 431273, 431285, 431297, 431304, 431316, 431328, 431341, 431353, 431365, 431377, 431389, 431390, 431408, 431421, 431433, 431445, 431457, 436136, 436148, 436161, 436173, 436185, 436197, 436204, 436216, 436228, 436241, 436253, 436265, 436277, 436289, 436290, 436308, 438874, 438886, 438898, 438905, 438917, 438929, 438930, 438942, 438954, 438966, 438978, 438991, 439005, 439017, 439029, 439030, 439042, 439054, 439066, 439078, 439091, 439109, 439110, 439122, 439171, 439183, 439195, 439202, 439214, 439226, 439238, 439251, 439263, 439275, 439287, 439299, 439306, 439318, 439331, 439343, 439355, 439367, 439379, 439380, 439392, 439411, 439423, 439435, 439447, 439459, 439460, 439472, 439484, 508093, 508100, 508112, 508161, 508173, 508185, 508228, 508241, 508277, 508289

Aanderaa Recording Current Meter Model 7/8

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Manufacturer's specifications: recording unit height 49.5cm (RCM8 52.0cm), diameter 12.8cm, vane size 48.5x50.0cm. Meter is designed for depths down to 2000m (RCM8 6000m). It incorporates a spindle which is shackled to the mooring line. The meter is attached to the spindle through a gimbal mounting which permits a maximum 27deg deviation of the spindle from the vertical, the meter still remaining horizontal.

Meter comprises :-

1) paddle wheel rotor magnetically coupled to an electronic counter.

2) vane, which aligns instrument with current flow, has a balance weight ensuring static balance and tail fins to ensure dynamic balance in flows up to 250cm/s.

3) magnetic compass (needle is clamped to potentiometer ring) – direction recorded with 0.35deg resolution, 5deg accuracy for speeds 5 to 100cm/s, 7.5deg accuracy for remaining speeds within 2.5 to 200cm/s range.

4) quartz clock, accuracy better than 2sec/day within temperature range 0 to 20degC.

5) thermistor (temperature sensor), standard range -2.46 to 21.48degC (max on high range 36.04degC), accuracy 0.05degC, resolution 0.1 per cent of range, 63 per cent response time 12sec.

BODC HEADED DOCUMENT NO. 65611 (continued)

6) inductive cell conductivity sensor (optional), range 0 to 70mmho/cm standard resolution 0.1 per cent of range.

7) silicon piezoresistive bridge, standard range 0 to 3000 psi (RCM8 to 9000 psi), resolution 0.1% of range.

8) self balancing potentiometer which converts the output from each sensor into a 10 bit binary number for storage on magnetic tape.

9) associated electronics.

A built-in clock triggers the instrument at preset intervals and up to six channels are sampled in sequence. Channel 1 is a fixed reference reading for control purposes and data identification. Channels 2, 3 and 4 represent measurement of temperature, conductivity and pressure. Channels 5 and 6 represent the VECTOR AVERAGED current speed and direction since the previous triggering of the instrument. The number of rotor revolutions and the direction is sampled every 12 seconds and broken into North and East components. Successive components are added and recorded as speed and direction. For recording intervals longer than 10 minutes, speed and direction are sampled 1/50th of recording interval.

BODC HEADED DOCUMENT NO. 65720

Applies to BODC Series Ref. Nos.: 431236, 431248, 431261, 431273, 431285, 431297, 431304, 431316, 431328, 431341, 431353, 431365, 431377, 431389, 431390, 431408, 431421, 431433, 431445, 431457, 436136, 436148, 436161, 436173, 436185, 436197, 436204, 436216, 436228, 436241, 436253, 436265, 436277, 436289, 436290, 436308, 438874, 438886, 438898, 438905, 438917, 438929, 438930, 438942, 438954, 438966, 438978, 438991, 439005, 439017, 439029, 439030, 439042, 439054, 439066, 439078, 439091, 439109, 439110, 439122, 439134, 439146, 439158, 439171, 439183, 439195, 439202, 439214, 439226, 439238, 439251, 439263, 439275, 439287, 439299, 439306, 439318, 439331, 439343, 439355, 439367, 439379, 439380, 439392, 439411, 439423, 439435, 439447, 439459, 439460, 439472, 439484

Aanderaa Current Meter: DATA PROCESSING

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Data Originator's Processing

The following procedures are carried out before the data were supplied to BODC.

Data were downloaded from the instrument logger, and factory calibrations were applied to the current speed channel, and the pressure, conductivity and temperature channels when fitted. Where available, laboratory calibrations of the current direction channels were used; factory formulae were used in their absence. Where no form factor was known for the conductivity sensor, a value of 2.8 was used.

Please note (concerns vector averaged current data): The current data are averaged by the logger over the sampling interval, whereas the pressure, temperature and conductivity data are single point measurements taken at the end of the interval. The data originator has moved the time stamps to the mid-point of the vector averaging sampling interval for all channels without interpolation.

BODC Data Processing and Quality Control

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see also document 6200 "Current Meter Data Screening carried out by BODC"

BODC HEADED DOCUMENT NO. 65720 (continued)

Where pressure sensors were fitted: the data record was compared with the pressure computed from the water depth on deployment and rig geometry. The time series was visually screened for evidence of rig movement (e.g. trawling) and excessive leaning (perhaps due to strong currents).

Where temperature sensors were fitted: the data record was compared with calibrated CTD data taken in the vicinity and checked for agreement within a few tenths of a degree Celsius. Obvious spikes were flagged. Periods of excessively noisy data were noted.

Where conductivity sensors were fitted: salinity (PSS-78) was computed from in-situ temperature and conductivity and a nominal pressure computed from the water depth on deployment and rig geometry. Obvious spikes were flagged.

BODC HEADED DOCUMENT NO. 66188

Applies to BODC Series Ref. Nos.: 439195, 439202, 439214, 439226, 439238, 439251, 439263, 439275, 439287, 439299, 439306, 439318, 439331, 439343, 439355, 439367, 439379, 439380, 439392, 439411, 439423, 439435, 439447, 439459, 439460, 439472, 439484

SeaTech Transmissometer

==========

The transmissometer is designed to accurately measure beam transmission in a 25 centimeter water depth. Transmission is measured using a modulated Light Emitting Diode (LED) and a synchronous detector.

Specifications:

Water path length 25cm; beam diameter 15mm; transmitted beam collimation <3 milliradians; receiver acceptance angle (in water) <18 milliradians; light source wavelength 660nm.

The instrument can be interfaced Aanderaa RCM7 current meters. This is achieved by fitting the transmissometer in a customized RCM4-type vane.

BODC HEADED DOCUMENT NO. 66467

Applies to BODC Series Ref. Nos.: 439195, 439202, 439214, 439226, 439238, 439251, 439263, 439275, 439287, 439299, 439306, 439318, 439331, 439343, 439355, 439367, 439379, 439380, 439392, 439411, 439423, 439435, 439447, 439459, 439460, 439472, 439484

SeaTech Transmissometer: DATA PROCESSING

==========

Deployment/Recovery Procedure

(A. Banaszek/P. Knight, Proudman Oceanographic Laboratory, Birkenhead)

Prior to deployment, the counts logged by the transmissometer in free air and with the light path blocked were recorded. It was then strapped to the CTD frame, lowered into the water and held at a fixed depth for approximately 20 minutes for intercalibration with the CTD transmissometer.

On recovery the data were downloaded from the instrument logger and supplied to BODC as raw counts.

Post-cruise calibration

(Dr. S.E. Jones, University of Wales, Bangor)

The raw transmission counts were compared with fully corrected CTD attenuance data from the intercalibration cast. The air-correction counts reading (ACR) for each deployment was found from inversion of the formula:

$$\text{Atten} = -(1/p) * \ln \{ (\text{counts}-\text{BPR}) / (\text{ACR} - \text{BPR}) \}$$

where:

Atten	=	CTD attenuance (per metre)
p	=	path length (metres)
counts	=	datalogger reading (counts)
BPR	=	blocked path reading (counts)
ACR	=	air correction reading (counts)

Air correction reading values for each instrument deployment were passed on to BODC.

BODC HEADED DOCUMENT NO. 66467 (continued)

BODC data processing and quality control

The data were then converted from datalogger counts to attenuance per metre by applying the above calibration formula to each datacycle in the series. The data were visually screened for evidence of fouling on the optics, leaking power connectors and flat batteries. Obvious spikes and any features believed to be of non-oceanographic origin were flagged suspect.

BODC HEADED DOCUMENT NO. 67001

Applies to BODC Series Ref. Nos.: 439496, 439503, 439515, 439527, 439539, 439540, 439552, 439564, 439576, 439588, 439607, 439619, 439620, 439632, 439644, 439656, 439668, 439681, 439693, 439700, 439712, 439724, 439736, 439748, 439761, 439773, 439785, 439797, 439804, 439816, 442363, 442375, 442387, 442399, 442406, 442418, 442431, 442443, 442455, 442467, 442479, 442480, 442492, 442511, 442523, 442535, 442547, 442559, 442560, 442572, 442584, 442596, 442603, 442615, 442627

Aanderaa Thermistor Chain

==========

The thermistor string comprises 11 sensors electrically connected to a logger. The sensors are equally spaced along the string; string lengths range from 10m to 400m. Sensors used are Fenwal 2K iso-curve thermistors (type GB32JM19) with time constant of approximately 3.5min for 63pcent of step change. The thermistors have identical calibration curves to within +/- 0.1deg C.

Standard temperature ranges are: low range (-2.46 to 21.48deg C), high range (10.08 to 36.00deg C), wide range (-0.34 to 32.17deg C). A resistor, accurate to +/-0.025deg C, within the logger is used to select the range.

The calibration formula, corresponding to the temperature range chosen, converts the logger reading N to degrees C with an accuracy of +/-0.05deg C, The worst accumulated error (taking into account the accuracy of the formula, the thermistor and the resistor) is +/-0.175deg C. These errors can be reduced by carrying out temperature calibrations at 0deg C. This can give an accuracy of +/-0.05deg C. The theoretical limit of accuracy is +/- 0.0125deg C, approx. To approach this accuracy better interpolation formulae and frequent calibrations are required.

The data are logged either by Aanderaa TR loggers or by SeaData loggers (which incorporate a temperature sensor and hence record 12 channels).

BODC HEADED DOCUMENT NO. 67867

Applies to BODC Series Ref. Nos.: 442639, 442640, 442652, 442664, 442676, 442688, 442707, 442719, 442720, 442732, 442744

Aanderaa Bottom Pressure Recorders

==========

The water level recorder models 5, 6 and 7 are self-contained, high precision instruments for recording of the water level by precise measurement of hydrostatic pressure.

The pressure sensor consists of an oscillating quartz crystal which shifts frequency with the force applied to it. Temperature is measured by a Fenwall thermistor.

The data from the WLR5/6 are stored on magnetic tape; the model 7 employs a solid-state data storage unit.

Specifications:

Pressure: oscillator frequency 36 - 40kHz;
resolution 0.001% of full scale;
integration 40 seconds;
ranges available

- WLR5 0-100psi, 0-400psi (standard), 0-900psi;
- WLR6 0-5000psi (standard);
- WLR7 0-100psi, 0-400psi, 0-900psi;

Temperature: thermistor Fenwall GB32JM19
range -3 C to +35 C
accuracy +/- 0.1 C
resolution 0.04 C
response time 2 minutes

BODC HEADED DOCUMENT NO. 68541

Applies to BODC Series Ref. Nos.: 444185, 444197, 444204, 444216, 444228, 444241, 444253, 444265, 477191, 477209, 477210, 477222, 489769, 489770, 489782

RDI Acoustic Doppler Current Profiler
==========

Acoustic Doppler Current Profilers (ADCPs) use sound waves to determine vertical profiles of currents, and may be deployed fixed to the sea floor, attached to a surface buoy, mounted on the hull of a ship, towed behind a ship or lowered on a cable.

ADCPs transmit sound bursts into the water. Particles carried by the water currents scatter the sound back to the transducer. As echoes return from further ranges from the sensor, the instrument assigns different water depths to the returning signals. Motion of the scattering particles relative to the sound source causes a change in the frequency of the sound (known as Doppler shift). The ADCP measures this change to produce vertical profiles of water velocity at up to 128 depths throughout the water column.

Specifications:

number of depth cells 1 to 128;
size of depth cells 0.12 to 32.00 metres;
velocity range +/- 10 m/s.

BODC HEADED DOCUMENT NO. 70186

Applies to BODC Series Ref. Nos.: 476046, 476058, 476071, 476083, 476095, 476102, 476114, 476126, 476138, 476151, 476163, 476175, 476187, 476199, 476206, 476218, 476231, 476243

FLUOROMETER INSTRUMENTATION

==========

The fluorometer package comprised an Aquatracka logarithmic response fluorometer and a Battery Logger Unit (BLU). The Aquatracka fluorometer uses a pulsed (5.5 Hz) xenon light source discharging between 320 and 800 nm through a blue filter with a peak transmission of 420 nm and a bandwidth at half maximum of 100 nm. A red filter with sharp cut off, 10% transmission at 664 nm and 678 nm, is used to pass chlorophyll-a fluorescence to the sample photodiode.

BODC HEADED DOCUMENT NO. 70216

Applies to BODC Series Ref. Nos.: 477234, 477246, 477258, 477271, 477283, 477295, 477302, 477314, 477326, 477338, 477351, 477363, 477375, 477387, 477399

VEMCO MINILOG12 TEMPERATURE DATA LOGGER

==========

The Vemco Minilog12-T is a miniature data logger that records temperature at a user programmed time interval. It is housed in a waterproof cylinder and the temperature sensor is mounted on a protruding stainless steel probe.

Specifications:-

Memory: 32k, 21760 temperature readings stored in Electrically Erasable Programmable Read Only Memory (EEPROM). Logging duration is between 6 hours and 5 years depending on the logging interval.

Data retention: 20 years.

Temperature range: -3 to 36 degC; 0.01 degC resolution; +/-0.1 degC accuracy with factory calibration.

Maximum depth: 1000m

Communication link: Infrared LED. No external connections are required. Full memory downloads in 3 minutes.

Battery: Internal lithium battery with life of up to 5 years or up to 1000 full deployments.

BODC HEADED DOCUMENT NO. 73442

Applies to BODC Series Ref. Nos.: 491878

POL 75 kHz Acoustic Doppler Current Profiler

==========

Acoustic Doppler Current Profilers (ADCPs) use sound waves to determine vertical profiles of currents, and may be deployed fixed to the sea floor, attached to a surface buoy, mounted on the hull of a ship, towed behind a ship or lowered on a cable.

ADCPs transmit sound bursts into the water. Particles carried by the water currents scatter the sound back to the transducer. As echoes return from further ranges from the sensor, the instrument assigns different water depths to the returning signals. Motion of the scattering particles relative to the sound source causes a change in the frequency of the sound (known as Doppler shift). The ADCP measures this change to produce vertical profiles of water velocity at a number of depths throughout the water column.

The POL 75 kHz ADCP was developed by the Technology Group at the Proudman Oceanographic Laboratory, Birkenhead, Merseyside, UK. It was designed to use low-frequency sound for optimum performance in water depths of between 500 and 1000 metres. Despite the name used for the project, the instrument actually operated at between 79 and 80 kHz.

Two instruments were built to a design including two orthoganal beams. The first was lost on its first test deployment. The second was used for a short (2 week) deployment as part of the LOIS Shelf Edge Study. Following this, the instrument was modified to include a third beam before being deployed as part of the FANS instrument array.

Instrument development and deployment was subsequently abandoned in favour of 'off the shelf' units from RDI.

BODC HEADED DOCUMENT NO. 74083

Applies to BODC Series Ref. Nos.: 491891, 491909, 496059, 496060, 496072, 496084, 496096, 496103, 496115, 496127, 496139, 496140, 496152, 496164, 496176, 496188

TRB-1 and TRB-2 Self-recording Transmissometers

The TRB-1 self-recording transmissometer was designed by the School of Ocean Sciences, University of Wales, Bangor and was sometimes known as the 'Mark III Transmissometer'. The instrument was developed commercially by W.S. Ocean Systems Limited and marketed with the designation TRB-2.

The instrument used a 660nm (red) source modulated at 400 Hz. The optical assembly incorporated a folded beam design to reduce instrument size to a minimum. The light beam was collimated using an achromatic lens, passed through a fixed length of the water column and reflected back to a photodiode receiver via a prism reflector. The optical path length could be fixed at either 5 cm, 10 cm or 25 cm.

Data were logged at the top of each minute as the average of 200 samples taken at 400 Hz. Timing was based on an accurate real-time clock emulated by the processor BIOS extension. Data were acquired by a multi-channel 12-bit data acquisition system resident on the motherboard resulting in a count between 0 and 4095.

Data were stored internally on a 2 MByte SRAM card giving storage for 120 days of data. After deployment, the data were downloaded in a simple ASCII format onto a PC.

TRB-2 instruments could also be fitted with additional conductivity and temperature sensors.

BODC HEADED DOCUMENT NO. 75111

Applies to BODC Series Ref. Nos.: 506050, 506062, 506074, 506086, 506098

UNW Ocean Colour Sensors

==========

These ocean colour sensors measured upwelling irradiance at 440, 490, 570 and 670 nm. They were designed and built by the School of Ocean Sciences, University of Wales, Bangor.

The instruments performed a 30-second integration of upwelled irradiance every 10 or 30 minutes. The resulting data were reduced to daily average values around midday prior to submission to BODC.

The spectral response of two of the four sensors was tested at Plymouth Marine Laboratory. This showed the peak transmission wavelengths to be within 2 nm of specified values and the FWHM of each channel to be approximately 10 nm. A white perspex diffuser was fitted as a cosine-response light collector.

No absolute calibration of the sensors against a standard light source was possible and consequently the data channels are stored as raw voltages.

Estimated chlorophyll concentrations were obtained by looking at the ratios of light intensities at 440:570 nm and 490:570 nm. The conversion algorithms were obtained by empirical calibration. The colour sensor output was converted to a true irradiance ratio based on measurements of downwelling atmospheric radiation assuming a flat sky irradiance spectrum. The corrected ratios were then calibrated against extracted chlorophyll data.

BODC DATA ACTIVITY DOCUMENT NO. 65254

Applies to BODC Series Ref. Nos.: 426074, 431316, 431341, 431408,
439306, 439331, 439700, 439724, 439761, 439804

Proudman Oceanographic Laboratory Moored Instrument Rig #682
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site S300.

Rig position: 56deg 27.52'N 09deg 03.76'W

Deployed: 09 May 1995 16:21 from RRS Charles Darwin (cruise CD93A)
Recovered: 12 Aug 1995 09:45 onto RRS Challenger (cruise CH121A)

The instruments were anchored by 1000kg of chain and kept erect by a 48" diameter buoy attached 25m below the sea surface.

Instruments deployed on the rig (with heights above sea bed):

270m		:	S4 current meter (#1117)
255m		:	Aanderaa current meter (#8240)
254m	to 204m	:	50m thermistor chain (#2336)
201m		:	Aanderaa current meter (#8249)
200m	to 150m	:	50m thermistor chain (#2337)
145m		:	Aanderaa current meter (#11822) fitted with SeaTech transmissometer (#631)
144m	to 44m	:	100m thermistor chain (#2338)
39m		:	Aanderaa current meter (#11049)
38m	to 23m	:	25m thermistor chain (#1685)
7m		:	Aanderaa current meter (#11820) fitted with SeaTech transmissometer (#641)

BODC DATA ACTIVITY DOCUMENT NO. 65268

Applies to BODC Series Ref. Nos.: 426086, 431328, 431353, 431421,
439318, 439343, 439712, 439736, 439773, 439816

Proudman Oceanographic Laboratory Moored Instrument Rig #698

This rig was deployed as part of the LOIS Shelf-Edge Study at site S300.

Rig position: 56deg 27.48'N 09deg 03.79'W

Deployed: 14 Aug 1995 14:02 from RRS Challenger (cruise CH121A)
Recovered: 02 Sep 1995 10:06 onto RRS Challenger (cruise CH121C)

The instruments were anchored by 1000kg of chain and kept erect by a 48" diameter buoy attached 25m below the sea surface.

Instruments deployed on the rig (with heights above sea bed):

270m		:	S4 current meter (#1117)
251m		:	Aanderaa current meter (#8240)
250m	to 200m	:	50m thermistor chain (#2336)
200m		:	Aanderaa current meter (#8249)
199m	to 149m	:	50m thermistor chain (#2337)
144m		:	Aanderaa current meter (#11822) fitted with SeaTech transmissometer (#631)
143m	to 43m	:	100m thermistor chain (#2338)
39m		:	Aanderaa current meter (#11049)
38m	to 23m	:	25m thermistor chain (#1685)
7m		:	Aanderaa current meter (#11820) fitted with SeaTech transmissometer (#641)

BODC DATA ACTIVITY DOCUMENT NO. 65271

Applies to BODC Series Ref. Nos.: 426098, 431236, 431297, 431457,
439251, 439263, 439552, 439681, 439785, 476114

Proudman Oceanographic Laboratory Moored Instrument Rig #684
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site S700.

Rig position: 56deg 27.63'N 09deg 09.85'W

Deployed: 11 May 1995 13:22 from RRS Charles Darwin (cruise CD93A)
Recovered: 04 Aug 1995 09:45 onto RRS Challenger (cruise CH120)

The instruments were anchored by 1000kg of chain and kept erect by a 48" diameter buoy attached 25m below the sea surface.

Instruments deployed on the rig (with heights above sea bed):

670m	:	S4 current meter (#1119)
660m	:	Chelsea fluorometer (#12)
650m	:	Aanderaa current meter (#6749)
649m to 599m	:	50m thermistor chain (#2334)
598m	:	Aanderaa current meter (#3308)
597m to 497m	:	100m thermistor chain (#2339)
491m	:	NAS2 nutrient analyser (#1753
489m	:	Aanderaa current meter (#11817) fitted with SeaTech transmissometer(#637)
487m to 87m	:	400m thermistor chain (#1763)
50m	:	Aanderaa current meter (#11051)
7m	:	Aanderaa current meter (#11816) fitted with SeaTech transmissometer(#636)

BODC DATA ACTIVITY DOCUMENT NO. 65285

Applies to BODC Series Ref. Nos.: 426105, 431248, 431304, 439275, 439564, 439693, 439797, 476126

Proudman Oceanographic Laboratory Moored Instrument Rig #702

This rig was deployed as part of the LOIS Shelf-Edge Study at site S700.

Rig position: 56deg 27.61'N 09deg 09.75'W

Deployed: 13 Aug 1995 16:20 from RRS Challenger (cruise CH121A)
Recovered: 06 Sep 1995 10:35 onto RRS Challenger (cruise CH121C)

The instruments were anchored by 1000kg of chain and kept erect by a 48" diameter buoy attached 25m below the sea surface.

Instruments deployed on the rig (with heights above sea bed):

670m	:	S4 current meter (#1119)
660m	:	Chelsea fluorometer (#12)
650m	:	Aanderaa current meter (#6749)
649m to 599m	:	50m thermistor chain (#2334)
598m	:	Aanderaa current meter (#3308)
597m to 497m	:	100m thermistor chain (#2339)
489m	:	Aanderaa current meter (#11817) fitted with SeaTech transmissometer(#637)
487m to 87m	:	400m thermistor chain (#1763)
50m	:	Aanderaa current meter (#11051) *
7m	:	Aanderaa current meter (#11816) * fitted with SeaTech transmissometer(#636) *

Note: Instruments marked "*" were lost probably due to trawling. The remainder of the mooring was recovered adrift.

BODC DATA ACTIVITY DOCUMENT NO. 65299

Applies to BODC Series Ref. Nos.: 426117, 439484, 442547, 442559

Proudman Oceanographic Laboratory Moored Instrument Rig #668
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site S140.

Rig position: 56deg 28.12'N 08deg 57.66'W

Deployed: 09 May 1995 09:31 from RRS Charles Darwin (cruise CD93A)
Recovered: 14 May 1995 18:43 onto RRS Charles Darwin (cruise CD93A)

The instruments were anchored by 1000kg of chain and kept erect by a 48" diameter buoy attached 25m below the sea surface.

Instruments deployed on the rig (with heights above sea bed):

123m	:	S4 current meter (#1264)
97m	:	Aanderaa current meter (#7421) *
95m to 55m	:	40m thermistor chain (#2328) *
53m	:	Aanderaa current meter (#10211) *
51m to 11m	:	40m thermistor chain (#2329) *
10m	:	Aanderaa current meter (#11821) *
		fitted with SeaTech transmissometer (#641) *
7m	:	NAS2 nutrient analyser (#1714) *

Note: Instruments marked "*" were lost probably due to trawling. The remainder of the mooring was recovered adrift.

BODC DATA ACTIVITY DOCUMENT NO. 65301

Applies to BODC Series Ref. Nos.: 426129, 436185, 439299, 439503

Proudman Oceanographic Laboratory Moored Instrument Rig #689
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site S140.

Rig position: 56deg 27.74'N 08deg 57.83'W

Deployed: 11 Aug 1995 19:21 from RRS Challenger (cruise CH121A)
Recovered: 31 Aug 1995 14:09 from RRS Challenger (cruise CH121B)

The instruments were anchored by 1000kg of chain and kept erect by a 48" diameter buoy attached 20m below the sea surface.

Instruments deployed on the rig (with heights above sea bed):

120m	:	S4 current meter (#1264)
95m	:	Aanderaa current meter (#11608)
94m to 18m	:	76m thermistor chain (#1185)
10m	:	Aanderaa current meter (#11818) fitted with SeaTech transmissometer (#638)

BODC DATA ACTIVITY DOCUMENT NO. 65315

Applies to BODC Series Ref. Nos.: 426130, 431285, 439066, 439447, 439607, 439644, 491891

Proudman Oceanographic Laboratory Moored Instrument Rig #683

This rig was deployed as part of the LOIS Shelf-Edge Study at site S200.

Rig position: 56deg 27.26'N 09deg 02.78'W

Deployed: 10 May 1995 13:48 from RRS Charles Darwin (cruise CD93A)
Recovered: 09 Sep 1995 onto DRA vessel Colonel Templer

The instruments were anchored by 1000kg of chain and kept erect by a 48" diameter buoy attached 20m below the sea surface.

Instruments deployed on the rig (with heights above sea bed):

175m	:	S4 current meter (#1265)
152m	:	Transmissometer (TRB-1 No.01)
151m	:	Chelsea fluorometer (#14)
150m	:	Aanderaa current meter (#6152)
149m to 109m	:	40m thermistor chain (#2322)
98m	:	Aanderaa current meter (#10207)
97m to 47m	:	50m thermistor chain (#2323)
10m	:	Aanderaa current meter (#11047) *
		fitted with SeaTech transmissometer (#557) *
8m	:	NAS2 nutrient analyser (#1751) *

Note: Instruments marked "*" were lost probably due to trawling. The remainder of the mooring was recovered adrift. Probably moved at 10:45 on 14/05/1995.

BODC DATA ACTIVITY DOCUMENT NO. 65547

Applies to BODC Series Ref. Nos.: 431261, 439042, 439226, 439576, 439620, 476199, 496072

Proudman Oceanographic Laboratory Moored Instrument Rig #664

This rig was deployed as part of the LOIS Shelf-Edge Study at site S200.

Rig position: 56deg 27.18'N 09deg 02.77'W

Deployed: 31 Mar 1995 20:19 from RRS Charles Darwin (cruise CD91B)
Recovered: 16 Apr 1995 13:00 onto RRS Charles Darwin (cruise CD92B)

The rig comprised an instrumented toroid mooring and a sub-surface mooring separately anchored but connected by a 300m ground line.

TOROID:

The toroid was anchored by 500kg of chain and was fitted with an ARGOS beacon. The instrument package, which was fixed 1m below the surface, comprised the following:

Chelsea Instruments Aquatracka fluorometer (#112/2530/013)
WS Ocean Systems TRB2 transmissometer (#1760)
NAS2 nutrient analyser (#1751)

SUB-SURFACE ARM:

The instruments were anchored by 1000kg of chain and kept erect by a 48" diameter buoy attached 45m below the sea surface.

Instruments deployed on the rig (with heights above sea bed):

150m	:	Aanderaa current meter (#6152)
149m to 109m	:	40m thermistor chain (#2322)
100m	:	Aanderaa current meter (#10207)
99m to 49m	:	50m thermistor chain (#2323)
10m	:	Aanderaa current meter (#11047) fitted with SeaTech transmissometer (#557)
8m	:	NAS2 nutrient analyser (#1750)

BODC DATA ACTIVITY DOCUMENT NO. 65550

Applies to BODC Series Ref. Nos.: 431273, 439054, 439355, 439588, 439632, 476206, 496084

Proudman Oceanographic Laboratory Moored Instrument Rig #669

This rig was deployed as part of the LOIS Shelf-Edge Study at site S200.

Rig position: 56deg 27.18'N 09deg 02.77'W

Deployed: 17 Apr 1995 15:27 from RRS Charles Darwin (cruise CD92B)
Recovered: 09 May 1995 18:00 onto RRS Charles Darwin (cruise CD93A)

The rig comprised an instrumented toroid mooring and a sub-surface mooring separately anchored but connected by a 300m ground line.

TOROID:

The toroid was anchored by 500kg of chain and was fitted with an ARGOS beacon. The instrument package, which was fixed 1m below the surface comprised the following:

Chelsea Instruments Aquatracka fluorometer (#112/2530/013)
WS Ocean Systems TRB2 transmissometer (#1760)
NAS2 nutrient analyser (#1750)

SUB-SURFACE ARM:

The instruments were anchored by 1000kg of chain and kept erect by a 48" diameter buoy attached 45m below the sea surface.

Instruments deployed on the rig (with heights above sea bed):

150m	:	Aanderaa current meter (#6152)
149m to 109m	:	40m thermistor chain (#2322)
100m	:	Aanderaa current meter (#10207)
99m to 49m	:	50m thermistor chain (#2323)
10m	:	Aanderaa current meter (#11047) fitted with SeaTech transmissometer (#557)
8m	:	NAS2 nutrient analyser (#1751)

BODC DATA ACTIVITY DOCUMENT NO. 65564

Applies to BODC Series Ref. Nos.: 431445, 442375

Proudman Oceanographic Laboratory Moored Instrument Rig #672
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site N200.

Rig position: 56deg 37.69'N 08deg 59.74'W

Deployed: 13 May 1995 21:12 from RRS Charles Darwin (cruise CD93A)
Recovered: 28 May 1995 17:44 onto RRS Charles Darwin (cruise CD93B)

The instruments were anchored by 1000kg of chain and kept erect by a 48" diameter buoy attached 45m below the sea surface.

Instruments deployed on the rig (with heights above sea bed):

150m	:	Aanderaa current meter (#11050)
149m to 99m	:	50m thermistor chain (#2332)
97m	:	Aanderaa current meter (#11052) *
96m to 46m	:	50m thermistor chain (#2333) *
7m	:	Aanderaa current meter (#11815) *
		fitted with SeaTech transmissometer (#635) *

Note: Instruments marked "*" were lost probably due to trawling. The remainder of the mooring was recovered adrift.

BODC DATA ACTIVITY DOCUMENT NO. 65578

Applies to BODC Series Ref. Nos.: 431389

Proudman Oceanographic Laboratory Moored Instrument Rig #700
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site S400.

Rig position: 56deg 27.04'N 09deg 04.85'W

Deployed: 15 Aug 1995 15:48 from RRS Challenger (cruise CH121A)
Recovered: 02 Sep 1995 17:40 onto RRS Challenger (cruise CH121C)

The rig was anchored by a 250kg clump and kept erect by glass spheres attached 15m above the sea bed.

Instruments deployed on the rig (with heights above sea bed):

3m : Aanderaa current meter (#9540)

BODC DATA ACTIVITY DOCUMENT NO. 65581

Applies to BODC Series Ref. Nos.: 431377, 431390, 439238, 439539, 442399

Proudman Oceanographic Laboratory Moored Instrument Rig #704
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site N300.

Rig position: 56deg 37.54'N 09deg 01.15'W

Deployed: 16 Aug 1995 16:07 from RRS Challenger (cruise CH121A)
Recovered: 02 Sep 1995 14:40 onto RRS Challenger (cruise CH121C)

The instruments were anchored by 1000kg of chain and kept erect by a 48" diameter buoy attached 33m below the sea surface.

Instruments deployed on the rig (with heights above sea bed):

254m	:	Aanderaa current meter (#9603)
253m to 153m	:	100m thermistor chain (#1688)
145m	:	Aanderaa current meter (#9450)
144m to 44m	:	100m thermistor chain (#1690)
7m	:	Aanderaa current meter (#11814) fitted with SeaTech transmissometer (#556)

BODC DATA ACTIVITY DOCUMENT NO. 65595

Applies to BODC Series Ref. Nos.: 431365, 431433, 439540, 439748

Proudman Oceanographic Laboratory Moored Instrument Rig #707

This rig was deployed as part of the LOIS Shelf-Edge Study at site S300.

Rig position: 56deg 27.53'N 09deg 03.73'W

Deployed: 03 Sep 1995 11:00 from RRS Challenger (cruise CH121C)
Recovered: 07 Sep 1995 09:18 onto RRS Challenger (cruise CH121C)

The instruments were anchored by 1000kg of chain and kept erect by a 48" diameter buoy attached 33m below the sea surface.

Instruments deployed on the rig (with heights above sea bed):

254m	:	Aanderaa current meter (#8249)
252m to 152m	:	100m thermistor chain (#2338)
145m	:	Aanderaa current meter (#11049)
143m to 43m	:	100m thermistor chain (#1690)
7m	:	Aanderaa current meter (#11822) *
		fitted with SeaTech transmissometer (#641) *

Note: Instruments marked "*" were lost probably due to trawling. The remainder of the mooring was recovered adrift.

BODC DATA ACTIVITY DOCUMENT NO. 65748

Applies to BODC Series Ref. Nos.: 436161, 439195

Proudman Oceanographic Laboratory Moored Instrument Rig #667
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site S700.

Rig position: 56deg 27.73'N 09deg 09.68'W

Deployed: 29 Mar 1995 10:40 from RRS Charles Darwin (cruise CD91B)
Recovered: 11 May 1995 06:22 onto RRS Charles Darwin (cruise CD93A)

The instruments were anchored by 1000kg of chain and kept erect by a 48" diameter buoy attached 45m below the sea surface.

Instruments deployed on the rig (with heights above sea bed):

650m	:	Aanderaa current meter (#9069) +
649m to 599m	:	50m thermistor chain (#1756) *
488m	:	Aanderaa current meter (#9070) *
7m	:	Aanderaa current meter (#11045) fitted with SeaTech transmissometer (#555)

Note: Instruments marked "*" were lost probably due to trawling. Instruments marked "+" were found adrift of the rig position. The remainder of the mooring was recovered on position.

BODC DATA ACTIVITY DOCUMENT NO. 65751

Applies to BODC Series Ref. Nos.: 436136

Proudman Oceanographic Laboratory Moored Instrument Rig #679
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site S300.

Rig position: 56deg 28.45'N 09deg 03.71'W

Deployed: 28 Mar 1995 15:30 from RRS Charles Darwin (cruise CD91B)

The instruments were anchored by 1000kg of chain and kept erect by a 40" diameter buoy attached 45m below the sea surface.

Instruments deployed on the rig (with heights above sea bed):

249m	:	Aanderaa current meter (#6275) +
159m	:	Aanderaa current meter (#8247) *
7m	:	Aanderaa current meter (#11048) *
		fitted with SeaTech transmissometer (#558)

Note: Instruments marked "*" were lost probably due to trawling. Instruments marked "+" were found adrift of the rig position.

BODC DATA ACTIVITY DOCUMENT NO. 65765

Applies to BODC Series Ref. Nos.: 436173, 439287

Proudman Oceanographic Laboratory Moored Instrument Rig #685
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site N140.

Rig position: 56deg 36.31'N 08deg 56.05'W

Deployed: 12 May 1995 18:26 from RRS Charles Darwin (cruise CD93A)
Recovered: 25 Jul 1995 07:14 onto RRS Challenger (cruise CH120)

The instruments were anchored by 500kg of chain and kept erect by a 48" diameter buoy attached 45m below the sea surface.

Instruments deployed on the rig (with heights above sea bed):

88m	:	Aanderaa current meter (#11608)
7m	:	Aanderaa current meter (#11818) fitted with SeaTech transmissometer (#638)

BODC DATA ACTIVITY DOCUMENT NO. 65779

Applies to BODC Series Ref. Nos.: 436197, 439379, 439515

Proudman Oceanographic Laboratory Moored Instrument Rig #705
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site S140.

Rig position: 56deg 27.71'N 08deg 57.85'W

Deployed: 02 Sep 1995 08:48 from RRS Challenger (cruise CH121C)
Recovered: 19 Nov 1995 12:10 onto RRS Challenger (cruise CH123A)

The instruments were anchored by 1000kg of chain and kept erect by a 48" diameter buoy attached 45m below the sea surface.

Instruments deployed on the rig (with heights above sea bed):

95m	:	Aanderaa current meter (#11608)
94m to 18m	:	76m thermistor chain (#1185)
10m	:	Aanderaa current meter (#11818) fitted with SeaTech transmissometer (#638)

BODC DATA ACTIVITY DOCUMENT NO. 65782

Applies to BODC Series Ref. Nos.: 436148, 439367

Proudman Oceanographic Laboratory Moored Instrument Rig #733
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site S140.

Rig position: 56deg 26.92'N 08deg 57.76'W

Deployed: 19 Nov 1995 16:45 from RRS Challenger (cruise CH123A)
Recovered: 22 Jan 1996 13:20 onto RRS Challenger (cruise CH125A)

The instruments were anchored by 1000kg of chain and kept erect by a 48'' diameter buoy attached 41m below the sea surface.

Instruments deployed on the rig (with heights above sea bed):

98m	:	Aanderaa current meter (#8240)
9m	:	Aanderaa current meter (#11814) fitted with SeaTech transmissometer (#556)

BODC DATA ACTIVITY DOCUMENT NO. 65809

Applies to BODC Series Ref. Nos.: 436228, 439380

Proudman Oceanographic Laboratory Moored Instrument Rig #745
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site S140.

Rig position: 56deg 27.61'N 08deg 57.87'W

Deployed: 01 Feb 1996 09:41 from RRS Challenger (cruise CH125A)
Recovered: 17 Apr 1996 11:02 onto RRS Challenger (cruise CH126A)

The instruments were anchored by 500kg of chain and kept erect by a 40" diameter buoy attached 41m below the sea surface.

Instruments deployed on the rig (with heights above sea bed):

98m	:	Aanderaa current meter (#8240)
9m	:	Aanderaa current meter (#11814) fitted with SeaTech transmissometer (#556)

BODC DATA ACTIVITY DOCUMENT NO. 65812

Applies to BODC Series Ref. Nos.: 436204, 436277, 442406, 442431, 442443

Proudman Oceanographic Laboratory Moored Instrument Rig #751
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site S700.

Rig position: 56deg 27.89'N 09deg 09.81'W

Deployed: 05 Feb 1996 17:28 from RRS Challenger (cruise CH125A)
Recovered: 17 Apr 1996 17:55 onto RRS Challenger (cruise CH126A)

The instruments were anchored by 1000kg of chain and kept erect by a 48" diameter buoy attached 40m below the sea surface.

Instruments deployed on the rig (with heights above sea bed):

650m	:	Aanderaa current meter (#6749)
599m to 399m	:	200m thermistor chain (#1758)
393m	:	Aanderaa current meter (#11049)
392m	:	100m thermistor chain (#1688)
290m to 190m	:	100m thermistor chain (#2339)
7m	:	Aanderaa current meter (#11827) x fitted with SeaTech transmissometer (#555) x

Note: Instruments marked "x" flooded and hence returned no data.

BODC DATA ACTIVITY DOCUMENT NO. 65826

Applies to BODC Series Ref. Nos.: 436253, 436265

Proudman Oceanographic Laboratory Moored Instrument Rig #756
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site N300.

Rig position: 56deg 37.45'N 09deg 01.33'W

Deployed: 03 Feb 1996 15:21 from RRS Challenger (cruise CH125A)
Recovered: 21 Feb 1996 10:30 onto RRS Challenger (cruise CH125B)

The instruments were anchored by 1000kg of chain and kept erect by a 48" diameter buoy attached 40m below the sea surface.

Instruments deployed on the rig (with heights above sea bed):

250m	:	Aanderaa current meter (#9928)
144m	:	Aanderaa current meter (#9603)
7m	:	Aanderaa current meter (#9540) *

Note: Instruments marked "*" were lost probably due to trawling. The remainder of the mooring was recovered adrift.

BODC DATA ACTIVITY DOCUMENT NO. 65843

Applies to BODC Series Ref. Nos.: 436290, 436308, 439091

Proudman Oceanographic Laboratory Moored Instrument Rig #760
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site S200.

Rig position: 56deg 27.14'N 09deg 02.98'W

Deployed: 24 Apr 1996 13:26 from RRS Challenger (cruise CH126A)
Recovered: 10 May 1996 08:53 onto RRS Challenger (cruise CH126B)

The instruments were anchored by 1000kg of chain and kept erect by a 48" diameter buoy attached 26m below the sea surface.

Instruments deployed on the rig (with heights above sea bed):

169m	:	Aanderaa current meter (#11050) +
191m	:	Aanderaa current meter (#11813)
8m	:	Aanderaa current meter (#3543)

Note: Instruments marked "+" were found adrift of the rig position on 07/05/1996. The remainder of the mooring was recovered on position.

BODC DATA ACTIVITY DOCUMENT NO. 65857

Applies to BODC Series Ref. Nos.: 436216, 436241, 436289, 439005, 439423, 442418, 442455, 442467

Proudman Oceanographic Laboratory Moored Instrument Rig #765

This rig was deployed as part of the LOIS Shelf-Edge Study at site S300.

Rig position: 56deg 27.30'N 09deg 03.86'W

Deployed: 19 Apr 1996 12:33 from RRS Challenger (cruise CH126A)
Recovered: 10 May 1996 14:15 onto RRS Challenger (cruise CH126B)

The instruments were anchored by 1000kg of chain and kept erect by a 48" diameter buoy attached 25m below the sea surface.

Instruments deployed on the rig (with heights above sea bed):

270m		:	Aanderaa current meter (#8240)
269m	to 219m	:	50m thermistor chain (#2336)
202m		:	Aanderaa current meter (#6749)
201m	to 151m	:	50m thermistor chain (#2337)
145m		:	Aanderaa current meter (#11049)
144m	to 44m	:	100m thermistor chain (#2339)
39m		:	Aanderaa current meter (#11219)
7m		:	Aanderaa current meter (#9903) fitted with SeaTech transmissometer (#101D)

BODC DATA ACTIVITY DOCUMENT NO. 65891

Applies to BODC Series Ref. Nos.: 438905

Proudman Oceanographic Laboratory Moored Instrument Rig #736
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site S300.

Rig position: 56deg 27.73'N 09deg 03.67'W

Deployed: 27 Nov 1995 07:12 from RRS Challenger (cruise CH123A)
Recovered: 21 Jan 1996 onto the fishing vessel Vesturland

The instruments were anchored by 1000kg of chain and kept erect by a 48" diameter buoy attached 40m below the sea surface.

Instruments deployed on the rig (with heights above sea bed):

250m	:	Aanderaa current meter (#8249)
144m	:	Aanderaa current meter (#11053)
7m	:	Aanderaa current meter (#11045) fitted with SeaTech transmissometer (#555)

BODC DATA ACTIVITY DOCUMENT NO. 65904

Applies to BODC Series Ref. Nos.: 438874, 438929, 439411, 442584, 442596, 476151

Proudman Oceanographic Laboratory Moored Instrument Rig #761

This rig was deployed as part of the LOIS Shelf-Edge Study at site S140.

Rig position: 56deg 27.72'N 08deg 57.69'W

Deployed: 17 Apr 1996 15:14 from RRS Challenger (cruise CH126A)
Recovered: 28 Jul 1996 14:35 onto RRS Challenger (cruise CH128B)

The instruments were anchored by 500kg of chain and kept erect by a 40'' diameter buoy attached 25m below the sea surface.

Instruments deployed on the rig (with heights above sea bed):

120m	:	Aanderaa current meter (#6275)
119m to 69m	:	50m thermistor chain (#2334)
63m	:	Aanderaa current meter (#9603)
62m to 12m	:	50m thermistor chain (#2335)
9m	:	Aanderaa current meter (#9069) fitted with SeaTech transmissometer (#99D)
7m	:	Chelsea Instruments fluorometer (#12)

BODC DATA ACTIVITY DOCUMENT NO. 65918

Applies to BODC Series Ref. Nos.: 438917, 438930, 438942, 439017,
439459, 442480, 442511, 442523, 442535, 476187

Proudman Oceanographic Laboratory Moored Instrument Rig #768
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site S700.

Rig position: 56deg 27.70'N 09deg 09.75'W

Deployed: 18 Apr 1996 13:55 from RRS Challenger (cruise CH126A)
Recovered: 01 Aug 1996 11:27 onto RRS Challenger (cruise CH128B)

The instruments were anchored by 1000kg of chain and kept erect by a 48" diameter buoy attached 25m below the sea surface.

Instruments deployed on the rig (with heights above sea bed):

668m	:	Aanderaa current meter (#9928)
666m to 590m	:	76m thermistor chain (#1185)
589m	:	Aanderaa current meter (#9450)
587m to 487m	:	100m thermistor chain (#1688)
451m	:	Aanderaa current meter (#9927)
381m to 181m	:	200m thermistor chain (#1758)
108m	:	Aanderaa current meter (#11216)
38m to 13m	:	25m thermistor chain (#1684)
8m	:	Chelsea Instruments fluorometer (#13)
7m	:	Aanderaa current meter (#11814) fitted with SeaTech transmissometer (#556)

BODC DATA ACTIVITY DOCUMENT NO. 65921

Applies to BODC Series Ref. Nos.: 438978, 442492, 444449, 477375, 477387

Proudman Oceanographic Laboratory Moored Instrument Rig #778
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site S140E.

Rig position: 56deg 27.50'N 08deg 11.07'W

Deployed: 12 Jul 1996 12:19 from RRS Challenger (cruise CH128A)
Recovered: 24 Jul 1996 10:50 onto RRS Challenger (cruise CH128B)

The instruments were anchored by 500kg of chain and kept erect by a 40'' diameter buoy attached 3m below the sea surface.

Instruments deployed on the rig (with heights above sea bed):

144m	:	S4 current meter (#7920)
143m	:	MINLOG Temperature Probe (#2417)
142m to 65m	:	76m thermistor chain (#1289)
64m	:	Aanderaa current meter (#11813)

BODC DATA ACTIVITY DOCUMENT NO. 65935

Applies to BODC Series Ref. Nos.: 438886, 438898, 438954, 439030, 439460, 442603, 442615, 442627, 477258, 477271, 477283, 477295, 477302, 477314, 477326, 477338, 477351, 477363

Proudman Oceanographic Laboratory Moored Instrument Rig #780
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site S300.

Rig position: 56deg 27.32'N 09deg 03.89'W

Deployed: 11 Jul 1996 20:34 from RRS Challenger (cruise CH128A)
Recovered: 28 Jul 1996 16:29 onto RRS Challenger (cruise CH128B)

The instruments were anchored by 1000kg of chain and kept erect by a 48" diameter buoy attached 25m below the sea surface.

Instruments deployed on the rig (with heights above sea bed):

270m	:	Aanderaa current meter (#8240)
269m to 219m	:	50m thermistor chain (#2336)
202m	:	Aanderaa current meter (#6749)
201m to 151m	:	50m thermistor chain (#2337)
145m	:	Aanderaa current meter (#11049)
144m to 44m	:	100m thermistor chain (#2339)
39m	:	Aanderaa current meter (#11219)
38m to 13m	:	10 MINLOG Temperature Probes (#2406-#2415) 2.5m apart
7m	:	Aanderaa current meter (#11817) fitted with SeaTech transmissometer (#80D)

BODC DATA ACTIVITY DOCUMENT NO. 65949

Applies to BODC Series Ref. Nos.: 438966, 439078, 439158

Proudman Oceanographic Laboratory Moored Instrument Rig #784
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site N300.

Rig position: 56deg 37.25'N 09deg 01.10'W

Deployed: 11 Jul 1996 14:59 from RRS Challenger (cruise CH128A)
Recovered: 29 Jul 1996 15:18 onto RRS Challenger (cruise CH128B)

The instruments were anchored by 1000kg of chain and kept erect by a 48" diameter buoy attached 25m below the sea surface.

Instruments deployed on the rig (with heights above sea bed):

270m	:	Aanderaa current meter (#10207)
144m	:	Aanderaa current meter (#11050)
7m	:	Aanderaa current meter (#4387)

BODC DATA ACTIVITY DOCUMENT NO. 66020

Applies to BODC Series Ref. Nos.: 438991

Proudman Oceanographic Laboratory Moored Instrument Rig #687
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site N300.

Rig position: 56deg 37.59'N 09deg 01.15'W

Deployed: 14 May 1995 13:34 from RRS Charles Darwin (cruise CD93A)

The instruments were anchored by 1000kg of chain and kept erect by a 48" diameter buoy attached 45m below the sea surface.

Instruments deployed on the rig (with heights above sea bed):

250m	:	Aanderaa current meter (#11054) +
150m	:	Aanderaa current meter (#11718) *
7m	:	Aanderaa current meter (#11819) *
		fitted with SeaTech transmissometer (#639) *

Note: Instruments marked "*" were lost probably due to trawling. Instruments marked "+" were washed ashore and recovered.

BODC DATA ACTIVITY DOCUMENT NO. 66034

Applies to BODC Series Ref. Nos.: 439029, 442387, 444437, 477399

Proudman Oceanographic Laboratory Moored Instrument Rig #775
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site S140.

Rig position: 56deg 27.40'N 08deg 57.72'W

Deployed: 13 Jul 1996 15:44 from RRS Challenger (cruise CH128A)
Recovered: 25 Jul 1996 12:31 from RRS Challenger (cruise CH128A)

The instruments were anchored by 500kg of chain and kept erect by a 40'' diameter buoy attached 1m below the sea surface.

Instruments deployed on the rig (with heights above sea bed):

143m	:	S4 current meter (#1644)
142m	:	MINLOG temperature probe (#2409)
141m to 65m	:	76m thermistor chain (#2412)
64m	:	Aanderaa current meter (#11054)

BODC DATA ACTIVITY DOCUMENT NO. 66096

Applies to BODC Series Ref. Nos.: 439171, 439183

Proudman Oceanographic Laboratory Moored Instrument Rig #665
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site S140.

Rig position: 56deg 28.08'N 08deg 58.07'W

Deployed: 31 Mar 1995 13:22 from RRS Charles Darwin (cruise CD91B)
Recovered: 08 May 1995 15:07 onto RRS Charles Darwin (cruise CD93A)

The instruments were anchored by 500kg of chain and kept erect by a 32'' diameter buoy attached 46m below the sea surface.

Instruments deployed on the rig (with heights above sea bed):

95m	:	Aanderaa current meter (#7421)
10m	:	Aanderaa current meter (#10211)

BODC DATA ACTIVITY DOCUMENT NO. 66109

Applies to BODC Series Ref. Nos.: 439109, 439110, 439122

Proudman Oceanographic Laboratory Moored Instrument Rig #772
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site N140.

Rig position: 56deg 36.30'N 08deg 55.90'W

Deployed: 23 Apr 1996 12:51 from RRS Challenger (cruise CH126A)
Recovered: 03 Aug 1996 08:55 onto RRS Challenger (cruise CH128B)

The instruments were anchored by 500kg of chain and kept erect by a 40'' diameter buoy attached 24m below the sea surface.

Instruments deployed on the rig (with heights above sea bed):

111m	:	Aanderaa current meter (#1292)
60m	:	Aanderaa current meter (#2132)
9m	:	Aanderaa current meter (#3542)

BODC DATA ACTIVITY DOCUMENT NO. 66112

Applies to BODC Series Ref. Nos.: 439134, 439146

Proudman Oceanographic Laboratory Moored Instrument Rig #773
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site N300.

Rig position: 56deg 37.56'N 09deg 01.21'W

Deployed: 23 Apr 1996 16:00 from RRS Challenger (cruise CH126A)
Recovered: 09 May 1996 15:09 onto RRS Challenger (cruise CH126B)

The instruments were anchored by 1000kg of chain and kept erect by a 48" diameter buoy attached 25m below the sea surface.

Instruments deployed on the rig (with heights above sea bed):

268m	:	Aanderaa current meter (#1260)
144m	:	Aanderaa current meter (#7943) X
7m	:	Aanderaa current meter (#4387)

The instrument marked "X" returned no data due to an encoder fault.

BODC DATA ACTIVITY DOCUMENT NO. 66157

Applies to BODC Series Ref. Nos.: 439214

Proudman Oceanographic Laboratory Moored Instrument Rig #666
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site N1500.

Rig position: 56deg 43.98'N 09deg 25.16'W

Deployed: 29 Mar 1995 19:33 from RRS Charles Darwin (cruise CD91B)
Recovered: 13 May 1995 06:15 onto RRS Charles Darwin (cruise CD93A)

The instruments were anchored by 750kg of chain and kept erect by glass sphere buoyancy packages attached 120m above the sea bed: a sub-surface buoy and upper sediment trap (@) were not deployed after line parted.

Instruments deployed on the rig (with heights above sea bed):

500m	:	Sediment trap (#10452/1) @
100m	:	Sediment trap (#10452/2)
7m	:	Aanderaa current meter (#11046) fitted with SeaTech transmissometer (#556)

BODC DATA ACTIVITY DOCUMENT NO. 66160

Applies to BODC Series Ref. Nos.: 439202

Proudman Oceanographic Laboratory Moored Instrument Rig #686
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site N1500.

Rig position: 56deg 43.10'N 09deg 24.50'W

Deployed: 13 May 1995 16:48 from RRS Charles Darwin (cruise CD93A)
Recovered: 04 Sep 1995 11:00 onto RRS Challenger (cruise CH121C)

The instruments were anchored by 750kg of chain and kept erect by glass sphere buoyancy packages attached at various points on the chain and a sub-surface buoy attached 540m above the sea bed.

Instruments deployed on the rig (with heights above sea bed):

500m	:	Sediment trap (#10452/1)
100m	:	Sediment trap (#10452/2)
7m	:	Aanderaa current meter (#11045) fitted with SeaTech transmissometer (#555)

BODC DATA ACTIVITY DOCUMENT NO. 66685

Applies to BODC Series Ref. Nos.: 439392

Proudman Oceanographic Laboratory Moored Instrument Rig #757
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site N1500.

Rig position: 56deg 43.61'N 09deg 24.78'W

Deployed: 06 Feb 1996 20:17 from RRS Challenger (cruise CH125A)
Recovered: 21 Apr 1996 18:46 onto RRS Challenger (cruise CH126A)

The instruments were anchored by 750kg of chain and kept erect by glass sphere packages attached at various points on the rig.

Instruments deployed on the rig (with heights above sea bed):

500m	:	Sediment trap (10452-1)
400m	:	Sediment trap (10452-2)
7m	:	Aanderaa current meter (#11820) fitted with SeaTech transmissometer (#631)

BODC DATA ACTIVITY DOCUMENT NO. 66699

Applies to BODC Series Ref. Nos.: 439435, 476243

Proudman Oceanographic Laboratory Moored Instrument Rig #770
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site P1500.

Rig position: 56deg 29.07'N 09deg 35.59'W

Deployed: 21 Apr 1996 16:56 from RRS Challenger (cruise CH126A)
Recovered: 02 Aug 1996 12:08 onto RRS Challenger (cruise CH128B)

The instruments were anchored by 380kg of chain and kept erect by glass buoyancy attached 698m above the sea bed.

Instruments deployed on the rig (with heights above sea bed):

796m	:	Aanderaa current meter (#9904) fitted with SeaTech transmissometer (#115D)
792m	:	Chelsea Instruments Aquatracka fluorometer (#14)

BODC DATA ACTIVITY DOCUMENT NO. 66701

Applies to BODC Series Ref. Nos.: 439472, 476095

Proudman Oceanographic Laboratory Moored Instrument Rig #774
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site N1500.

Rig position: 56deg 42.56'N 09deg 24.53'W

Deployed: 22 Apr 1996 14:24 from RRS Challenger (cruise CH126A)
Recovered: 02 Aug 1996 08:37 onto RRS Challenger (cruise CH128B)

The instruments were anchored by 750kg of chain and kept erect by glass sphere packages attached at various points on the rig.

Instruments deployed on the rig (with heights above sea bed):

500m	:	Sediment trap (10452-1)
400m	:	Sediment trap (10452-2)
8m	:	Aanderaa current meter (#11820) fitted with SeaTech transmissometer (#631)
6m	:	Chelsea Instruments Aquatracka fluorometer (#11)

BODC DATA ACTIVITY DOCUMENT NO. 66950

Applies to BODC Series Ref. Nos.: 439527, 476102, 496096

Proudman Oceanographic Laboratory Moored Instrument Rig #670
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site S200.

Rig position: 56deg 26.89'N 09deg 02.86'W

Deployed: 10 May 1995 16:39 from RRS Charles Darwin (cruise CD93A)
Recovered: 28 May 1995 11:17 onto RRS Charles Darwin (cruise CD93B)

The instruments were anchored by a clump and suspended from a toroidal buoy on the surface.

Instruments deployed on the rig (with depths below the surface):

1m	:	WS Oceans transmissometer (#1760)
1m	:	NAS2 Nutrient analyser (#1750)
1m	:	Chelsea Instruments fluorometer (#011)
1m	:	Colour sensor (#CS22)
3m to 43m	:	40m thermistor chain (#1611)

BODC DATA ACTIVITY DOCUMENT NO. 66964

Applies to BODC Series Ref. Nos.: 439619, 476218, 496103

Proudman Oceanographic Laboratory Moored Instrument Rig #676
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site S700.

Rig position: 56deg 27.19'N 09deg 09.48'W

Deployed: 10 May 1995 20:24 from RRS Charles Darwin (cruise CD93A)
Recovered: 04 Jun 1995 18:35 onto RRS Charles Darwin (cruise CD94)

The instruments were anchored by a clump and suspended from a toroidal buoy on the surface.

Instruments deployed on the rig (with depths below the surface):

1m	:	WS Oceans transmissometer (#1761)
1m	:	NAS2 Nutrient analyser (#1752)
1m	:	Chelsea Instruments fluorometer (#019)
3m to 43m	:	40m thermistor chain (#2322)

BODC DATA ACTIVITY DOCUMENT NO. 66978

Applies to BODC Series Ref. Nos.: 439656, 506074

Proudman Oceanographic Laboratory Moored Instrument Rig #681
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site S300.

Rig position: 56deg 27.28'N 09deg 03.91'W

Deployed: 08 May 1995 12:20 from RRS Charles Darwin (cruise CD93A)
Recovered: 13 Aug 1995 18:09 onto RRS Challenger (cruise CH121A)

The instruments were anchored by a clump and suspended from a toroidal buoy on the surface.

Instruments deployed on the rig (with depths below the surface):

1m	:	WS Oceans transmissometer (#1686)
1m	:	Colour sensor (#CS21)
3m to 43m	:	40m thermistor chain (#2330)

BODC DATA ACTIVITY DOCUMENT NO. 66981

Applies to BODC Series Ref. Nos.: 439668, 476071, 496127

Proudman Oceanographic Laboratory Moored Instrument Rig #692
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site S140.

Rig position: 56deg 27.99'N 08deg 57.50'W

Deployed: 15 Aug 1995 19:33 from RRS Challenger (cruise CH121A)
Recovered: 03 Sep 1995 15:15 onto RRS Challenger (cruise CH121C)

The instruments were anchored by a 500kg clump and suspended from a toroidal buoy on the surface.

Instruments deployed on the rig (with depths below the surface):

1m	:	WS Oceans transmissometer (#1761)
1m	:	NAS2 Nutrient analyser (#1754)
1m	:	Chelsea Instruments fluorometer (#011)
3m to 43m	:	40m thermistor chain (#2331)

BODC DATA ACTIVITY DOCUMENT NO. 66995

Applies to BODC Series Ref. Nos.: 439496, 476163, 496060, 506062

Proudman Oceanographic Laboratory Moored Instrument Rig #739
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site S140.

Rig position: 56deg 27.96'N 08deg 57.11'W

Deployed: 24 Jul 1995 17:20 from RRS Challenger (cruise CH120)
Recovered: 15 Aug 1995 10:55 from RRS Challenger (cruise CH121A)

The instruments were anchored by a clump and suspended from a toroidal buoy on the surface.

Instruments deployed on the rig (with depths below the surface):

1m	:	WS Oceans transmissometer (#1683)
1m	:	Chelsea Instruments fluorometer (#009)
1m	:	Colour sensor (#CS20)
3m to 43m	:	40m thermistor chain (#2331)

BODC DATA ACTIVITY DOCUMENT NO. 67387

Applies to BODC Series Ref. Nos.: 442363, 476175, 496140

Proudman Oceanographic Laboratory Moored Instrument Rig #695
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site S200.

Rig position: 56deg 26.86'N 09deg 02.84'W

Deployed: 16 Aug 1995 08:29 from RRS Challenger (cruise CH121A)
Recovered: 06 Sep 1995 08:09 onto RRS Challenger (cruise CH121C)

The instruments were anchored by a 500kg clump and suspended from a toroidal buoy on the surface.

Instruments deployed on the rig (with depths below the surface):

1m	:	WS Oceans transmissometer (#1762)
1m	:	NAS2 Nutrient analyser (#1750)
1m	:	Chelsea Instruments fluorometer (#019)
1m	:	Colour sensor (CS22)
3m to 43m	:	40m thermistor chain (#1611)

BODC DATA ACTIVITY DOCUMENT NO. 67390

Applies to BODC Series Ref. Nos.: 442479, 477246, 496164, 506086

Proudman Oceanographic Laboratory Moored Instrument Rig #763
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site S140.

Rig position: 56deg 28.03'N 08deg 57.76'W

Deployed: 17 Apr 1996 07:56 from RRS Challenger (cruise CH126A)
Recovered: 15 Jul 1996 14:00 onto RRS Challenger (cruise CH128A)

The instruments were anchored by a 500kg clump and suspended from a toroidal buoy on the surface.

Instruments deployed on the rig (with depths below the surface):

1m	:	WS Oceans transmissometer (#1686)
1m	:	NAS2 Nutrient analyser (#1753)
1m	:	Colour sensor (CS4-21)
8m	:	MINILOG temperature probe (#1371)
10m to 43m	:	32m thermistor chain (#739)

BODC DATA ACTIVITY DOCUMENT NO. 67403

Applies to BODC Series Ref. Nos.: 442560, 496176, 506098

Proudman Oceanographic Laboratory Moored Instrument Rig #769
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site S700.

Rig position: 56deg 28.21'N 09deg 09.80'W

Deployed: 18 Apr 1996 16:53 from RRS Challenger (cruise CH126A)
Recovered: 29 Jul 1996 09:32 onto RRS Challenger (cruise CH128B)

The instruments were anchored by a 500kg clump and suspended from a toroidal buoy on the surface.

Instruments deployed on the rig (with depths below the surface):

1m	:	WS Oceans transmissometer (#1761)
1m	:	NAS2 Nutrient analyser (#1752)
1m	:	Colour sensor (CS4-22)
3m to 43m	:	40m thermistor chain (#2330)

BODC DATA ACTIVITY DOCUMENT NO. 67417

Applies to BODC Series Ref. Nos.: 442572, 496188

Proudman Oceanographic Laboratory Moored Instrument Rig #766
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site S300.

Rig position: 56deg 27.69'N 09deg 03.61'W

Deployed: 19 Apr 1996 14:40 from RRS Challenger (cruise CH126A)
Recovered: 13 Jul 1996 18:49 onto RRS Challenger (cruise CH128A)

The instruments were anchored by a 500kg clump and suspended from a toroidal buoy on the surface.

Instruments deployed on the rig (with depths below the surface):

1m	:	WS Oceans transmissometer (#1762)
1m	:	NAS2 Nutrient analyser (#1754)
3m to 43m	:	40m thermistor chain (#2331)

BODC DATA ACTIVITY DOCUMENT NO. 67730

Applies to BODC Series Ref. Nos.: 442639

Proudman Oceanographic Laboratory Moored Instrument Rig #671
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site S140.

Rig position: 56deg 27.52'N 08deg 58.47'W

Deployed: 27 Mar 1995 22:35 from RRS Charles Darwin (cruise CD91B)
Recovered: 11 May 1995 14:30 onto RRS Charles Darwin (cruise CD93A)

Instruments deployed on the rig (0.5m above bed):

Aanderaa Bottom Pressure Recorder (#444)

BODC DATA ACTIVITY DOCUMENT NO. 67744

Applies to BODC Series Ref. Nos.: 442676, 444204

Proudman Oceanographic Laboratory Moored Instrument Rig #680
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site S140.

Rig position: 56deg 27.65'N 08deg 57.91'W

Deployed: 08 May 1995 08:42 from RRS Charles Darwin (cruise CD93A)
Recovered: 15 Aug 1995 12:15 onto RRS Challenger (cruise CH121A)

Instruments deployed on the rig (0.5m above bed):

Aanderaa Bottom Pressure Recorder (#1042)
RDI Acoustic Doppler Current Profiler (#1149)

BODC DATA ACTIVITY DOCUMENT NO. 67758

Applies to BODC Series Ref. Nos.: 442688, 444216

Proudman Oceanographic Laboratory Moored Instrument Rig #691
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site S140.

Rig position: 56deg 27.63'N 08deg 58 03'W

Deployed: 17 Aug 1995 12:05 from RRS Challenger (cruise CH121A)
Recovered: 04 Sep 1995 17:30 onto RRS Challenger (cruise CH121C)

Instruments deployed on the rig (0.5m above bed):

Aanderaa Bottom Pressure Recorder (#1042)
RDI Acoustic Doppler Current Profiler (#1149)

BODC DATA ACTIVITY DOCUMENT NO. 67761

Applies to BODC Series Ref. Nos.: 442707

Proudman Oceanographic Laboratory Moored Instrument Rig #703
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site N140.

Rig position: 56deg 36.52'N 08deg 56.34'W

Deployed: 17 Aug 1995 13:52 from RRS Challenger (cruise CH121A)
Recovered: 02 Feb 1996 14:41 onto RRS Challenger (cruise CH125A)

Instruments deployed on the rig (0.5m above bed):

Aanderaa Bottom Pressure Recorder (#445)

BODC DATA ACTIVITY DOCUMENT NO. 67775

Applies to BODC Series Ref. Nos.: 442640, 444197

Proudman Oceanographic Laboratory Moored Instrument Rig #706
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site S140.

Rig position: 56deg 27.82'N 08deg 57.99'W

Deployed: 04 Sep 1995 18:25 from RRS Challenger (cruise CH121C)
Recovered: 19 Nov 1995 10:08 onto RRS Challenger (cruise CH123A)

Instruments deployed on the rig (0.5m above bed):

Aanderaa Bottom Pressure Recorder (#444)
RDI Acoustic Doppler Current Profiler (#1148)

BODC DATA ACTIVITY DOCUMENT NO. 67789

Applies to BODC Series Ref. Nos.: 442652

Proudman Oceanographic Laboratory Moored Instrument Rig #710
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site N140.

Rig position: 56deg 36.52'N 08deg 56.35'W

Deployed: 14 May 1995 11:26 from RRS Charles Darwin (cruise CD93A)
Recovered: 16 Aug 1995 18:15 onto RRS Challenger (cruise CH121A)

Instruments deployed on the rig (0.5m above bed):

Aanderaa Bottom Pressure Recorder (#444)

BODC DATA ACTIVITY DOCUMENT NO. 67792

Applies to BODC Series Ref. Nos.: 442664, 444241

Proudman Oceanographic Laboratory Moored Instrument Rig #734
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site S140.

Rig position: 56deg 27.72'N 08deg 57.86'W

Deployed: 19 Nov 1995 17:24 from RRS Challenger (cruise CH123A)
Recovered: 01 Feb 1996 11:16 onto RRS Challenger (cruise CH125A)

Instruments deployed on the rig (0.5m above bed):

Aanderaa Bottom Pressure Recorder (#1038)
RDI Acoustic Doppler Current Profiler (#1149)

BODC DATA ACTIVITY DOCUMENT NO. 67805

Applies to BODC Series Ref. Nos.: 442719, 489769

Proudman Oceanographic Laboratory Moored Instrument Rig #746
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site S140.

Rig position: 56deg 27.51'N 08deg 57.79'W

Deployed: 01 Feb 1996 11:43 from RRS Challenger (cruise CH125A)
Recovered: 19 Apr 1996 18:33 onto RRS Challenger (cruise CH126A)

Instruments deployed on the rig (0.5m above bed):

Aanderaa Bottom Pressure Recorder (#444)
RDI Acoustic Doppler Current Profiler (#1148)

BODC DATA ACTIVITY DOCUMENT NO. 67819

Applies to BODC Series Ref. Nos.: 442720

Proudman Oceanographic Laboratory Moored Instrument Rig #752
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site N140.

Rig position: 56deg 36.34'N 08deg 56.03'W

Deployed: 02 Feb 1996 15:56 from RRS Challenger (cruise CH125A)
Recovered: 23 Apr 1996 07:39 onto RRS Challenger (cruise CH126A)

Instruments deployed on the rig (0.5m above bed):

Aanderaa Bottom Pressure Recorder (#1042)

BODC DATA ACTIVITY DOCUMENT NO. 67822

Applies to BODC Series Ref. Nos.: 442744

Proudman Oceanographic Laboratory Moored Instrument Rig #771
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site N140.

Rig position: 56deg 36.21'N 08deg 55.36'W

Deployed: 23 Apr 1996 13:23 from RRS Challenger (cruise CH126A)
Recovered: 03 Aug 1996 07:56 onto RRS Challenger (cruise CH128B)

Instruments deployed on the rig (0.5m above bed):

Aanderaa Bottom Pressure Recorder (#1042)

BODC DATA ACTIVITY DOCUMENT NO. 67836

Applies to BODC Series Ref. Nos.: 442732, 477191

Proudman Oceanographic Laboratory Moored Instrument Rig #779
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site S140E.

Rig position: 56deg 27.68'N 08deg 11.23'W

Deployed: 12 Jul 1996 15:58 from RRS Challenger (cruise CH128A)
Recovered: 24 Jul 1996 13:36 onto RRS Challenger (cruise CH128A)

Instruments deployed on the rig (0.5m above bed):

Aanderaa Bottom Pressure Recorder (#444)
RDI Acoustic Doppler Current Profiler (#1148)

BODC DATA ACTIVITY DOCUMENT NO. 68494

Applies to BODC Series Ref. Nos.: 444185

Proudman Oceanographic Laboratory Moored Instrument Rig #696
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site S200.

Rig position: 56deg 26.67'N 09deg 03.09'W

Deployed: 11 Aug 1995 08:09 from RRS Challenger (cruise CH121A)
Recovered: 03 Sep 1995 18:05 onto RRS Challenger (cruise CH121C)

Instruments deployed on the rig (0.5m above bed):

RDI Acoustic Doppler Current Profiler (#1148)

BODC DATA ACTIVITY DOCUMENT NO. 68507

Applies to BODC Series Ref. Nos.: 444228

Proudman Oceanographic Laboratory Moored Instrument Rig #699
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site S400.

Rig position: 56deg 27.17'N 09deg 04.83'W

Deployed: 12 Aug 1995 08:40 from RRS Challenger (cruise CH121A)
Recovered: 05 Sep 1995 13:50 onto RRS Challenger (cruise CH121C)

Instruments deployed on the rig (0.5m above bed):

RDI Acoustic Doppler Current Profiler (#1567)

BODC DATA ACTIVITY DOCUMENT NO. 68510

Applies to BODC Series Ref. Nos.: 444253

Proudman Oceanographic Laboratory Moored Instrument Rig #708
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site S400.

Rig position: 56deg 27.19'N 09deg 04.84'W

Deployed: 06 Nov 1995 07:35 from RRS Challenger (cruise CH121C)
Recovered: 27 Nov 1995 08:50 onto RRS Challenger (cruise CH123A)

Instruments deployed on the rig (0.5m above bed):

RDI Acoustic Doppler Current Profiler (#1567)

BODC DATA ACTIVITY DOCUMENT NO. 68524

Applies to BODC Series Ref. Nos.: 444265

Proudman Oceanographic Laboratory Moored Instrument Rig #737
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site S400.

Rig position: 56deg 27.23'N 09deg 04.86'W

Deployed: 06 Dec 1995 09:05 from RRS Challenger (cruise CH123B)
Recovered: 02 Feb 1996 11:32 onto RRS Challenger (cruise CH125A)

Instruments deployed on the rig (0.5m above bed):

RDI Acoustic Doppler Current Profiler (#1567)

BODC DATA ACTIVITY DOCUMENT NO. 68647

Applies to BODC Series Ref. Nos.: 444413

Proudman Oceanographic Laboratory Moored Instrument Rig #693
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site S200.

Rig position: 56deg 26.75'N 09deg 02.79'W

Deployed: 11 Aug 1995 05:39 from RRS Challenger (cruise CH121A)
Recovered: 06 Sep 1995 18:21 onto RRS Challenger (cruise CH121C)

Instrumentation:

POL Sediment Transport and Boundary Layer Equipment (mark II)

BODC DATA ACTIVITY DOCUMENT NO. 68650

Applies to BODC Series Ref. Nos.: 444425

Proudman Oceanographic Laboratory Moored Instrument Rig #748
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site S200.

Rig position: 56deg 27.62'N 09deg 02.84'W

Deployed: 01 Feb 1996 08:12 from RRS Challenger (cruise CH125A)
Recovered: 21 Feb 1996 18:44 from RRS Challenger (cruise CH125B)

Instrumentation:

POL Sediment Transport and Boundary Layer Equipment (mark II)

BODC DATA ACTIVITY DOCUMENT NO. 69938

Applies to BODC Series Ref. Nos.: 476046, 496059, 506050

Proudman Oceanographic Laboratory Moored Instrument Rig#688
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site S140.

Rig position: 56deg 27.98'N 08deg 57.71'W

Deployed: 15 May 1995 10:25 from RRS Charles Darwin (cruise CD93A)
Recovered: 24 Jul 1995 12:15 from RRS Challenger (cruise CH120)

The instruments were attached to a toroidal buoy at the surface.

Instruments on rig (with depths)

1m	:	Transmissometer (#1683)
1m	:	Colour sensor (CS 20)
1m	:	Fluorometer (09)
43m	:	Thermistor chain (#1185) - Logger failed

BODC DATA ACTIVITY DOCUMENT NO. 69941

Applies to BODC Series Ref. Nos.: 476231, 496152

Proudman Oceanographic Laboratory Moored Instrument Rig#735
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site S140.

Rig position: 56deg 26.72'N 08deg 58.55'W

Deployed: 27 Nov 1995 15:54 from RRS Challenger (cruise CH123A)
Recovered: 06 Dec 1995 12:00 from RRS Challenger (cruise CH123B)

The instruments were attached to a 6ft toroidal buoy at the surface.

Instruments on rig (with depths)

1m	:	Fluorometer (12/2530/014)
1m	:	Transmissometer (TRB2-1761)

Rig recovered adrift at 56deg 42.64'N 09deg 06.16'W

BODC DATA ACTIVITY DOCUMENT NO. 69955

Applies to BODC Series Ref. Nos.: 476058

Proudman Oceanographic Laboratory Moored Instrument Rig#740
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site S200.

Rig position: 56deg 26.88'N 09deg 2.76'W

Deployed: 25 Jul 1995 12:03 from RRS Challenger (cruise CH120)
Recovered: 15 Aug 1995 09:01 from RRS Challenger (cruise CH121A)

The instruments were attached to a toroidal buoy at the surface.

Instruments on rig (with depths)

1m	:	Nutrient analyzer (1750) - No useful data returned
1m	:	Colour sensor (22)
1m	:	Fluorometer (011)

BODC DATA ACTIVITY DOCUMENT NO. 69969

Applies to BODC Series Ref. Nos.: 476083, 496139

Proudman Oceanographic Laboratory Moored Instrument Rig#741
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site S140.

Rig position: 56deg 27.98'N 08deg 57.53'W

Deployed: 04 Sep 1995 16:49 from RRS Challenger (cruise CH121C)
Recovered: 27 Nov 1995 11:27 from RRS Challenger (cruise CH123A)

The instruments were attached to a toroidal buoy at the surface.

Instruments on rig (with depths)

1m	:	Fluorometer (011)
1m	:	Transmissometer (1761)

BODC DATA ACTIVITY DOCUMENT NO. 69972

Applies to BODC Series Ref. Nos.: 476138, 491909

Proudman Oceanographic Laboratory Moored Instrument Rig#747
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site S140.

Rig position: 56deg 27.53'N 08deg 58.02'W

Deployed: 01 Feb 1995 11:43 from RRS Challenger (cruise CH125A)
Recovered: 15 Apr 1995 16:34 from RRS Challenger (cruise CH126A)

The instruments were anchored by 500kg of chain and were attached to a 6ft toroidal buoy at the surface.

Instruments on rig (with depths)

1m	:	Fluorometer (112/2530/012)
1m	:	Transmissometer (TRB1-0001)

BODC DATA ACTIVITY DOCUMENT NO. 70250

Applies to BODC Series Ref. Nos.: 477234

Proudman Oceanographic Laboratory Moored Instrument Rig #753
==========

This rig was deployed as part of the LOIS Shelf-Edge Study (CC1)

Rig position: 56deg 36.51'N 09deg 0.92'W

Deployed: 03 Feb 1996 09:01 from RRS Challenger (cruise CH125A)
Recovered: This mooring was only partly recovered. Only temperature probe 1362 returned any data (17 Feb 1996).

A cascade mooring was used, with an anchor weight of 360 kg.

Instruments deployed on the rig (with heights above sea bed):

1m	:	MINILOG Temperature probe (#1364)
1m	:	Aanderaa current meter (#3308)
2m	:	Transmisometer (#TRA-1 004)
2m	:	MINILOG Temperature probe (#1363)
3m	:	MINILOG Temperature probe (#1362)
6m to 17m	:	25m thermistor chain (#1451)
19m	:	Aanderaa current meter (#3727)

BODC DATA ACTIVITY DOCUMENT NO. 70512

Applies to BODC Series Ref. Nos.: 477209

Proudman Oceanographic Laboratory Moored Instrument Rig #762
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site S140

Rig position: 56deg 27.53'N 08deg 57.65'W

Deployed: 24 Apr 1996 08:19 from RRS Challenger (cruise CH126A)
Recovered: 12 Jul 1996 07:18 from RRS Challenger (cruise CH128A)

Instruments deployed on the rig (0.5m above bed):

Aanderaa Bottom Pressure Recorder (#444)
RDI Broad Band Acoustic Doppler Current Profiler (#1149)

Bottom pressure recorder returned no data due to data logger corruption.

BODC DATA ACTIVITY DOCUMENT NO. 70526

Applies to BODC Series Ref. Nos.: 477210

Proudman Oceanographic Laboratory Moored Instrument Rig #777
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site S140

Rig position: 56deg 27.57'N 08deg 57.68'W

Deployed: 13 Jul 1996 12:25 from RRS Challenger (cruise CH128A)
Recovered: 28 Jul 1996 11:18 from RRS Challenger (Cruise CH128B)

Instruments deployed on the rig (0.5m above bed):

Aanderaa Bottom Pressure Recorder (#445)
RDI Broad Band Acoustic Doppler Current Profiler (#1149)

Bottom pressure recorder returned no data.

BODC DATA ACTIVITY DOCUMENT NO. 70543

Applies to BODC Series Ref. Nos.: 477222

Proudman Oceanographic Laboratory Moored Instrument Rig #782
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site S400

Rig position: 56deg 27.30'N 09deg 04.91'W

Deployed: 14 Jul 1996 15:18 from RRS Challenger (cruise CH128A)
Recovered: 25 Jul 1996 09:42 from RRS Challenger (cruise CH128A)

Instruments deployed on the rig (0.5m above bed):

RDI Acoustic Doppler Current Profiler (#394)

BODC DATA ACTIVITY DOCUMENT NO. 73241

Applies to BODC Series Ref. Nos.: 489770

Proudman Oceanographic Laboratory Moored Instrument Rig #750
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site S400

Rig position: 56deg 27.25'N 09deg 04.86'W

Deployed: 05 Feb 1996 20:10 from RRS Challenger (cruise CH125A)
Terminated: 22 Feb 1996 12:40 by trawler activity (observed in record)

Instruments deployed on the rig (0.5m above bed):

RDI Acoustic Doppler Current Profiler (#1567)

BODC DATA ACTIVITY DOCUMENT NO. 73255

Applies to BODC Series Ref. Nos.: 489782

Proudman Oceanographic Laboratory Moored Instrument Rig #758
==========

This rig was deployed as part of the LOIS Shelf-Edge Study. The deployment commenced as rig number 750 at site S400. The rig was relocated by trawler activity on 22 Feb 1996. The release was fired from the ship on station S400 but the instrument was not recovered. It was found adrift at station S140 the following day.

The position held in the database is therefore a 'best guess' based on the following known information.

The instrument must have been relocated to the south to drift to S140.
The instrument was relocated to a water depth of 259m.
The instrument was within 5km of S400 for the release to have fired.

This position is believed to be the centre of a 2.5km radius circle within which the instrument was located for the duration of the record.

Rig position: 56deg 25.00'N 09deg 05.00'W

Deployed: Repositioned by trawling activity on 22 Feb 1996
Released: Release fired on 19 Apr 1996
Recovered: Found adrift at S140 by RRS Challenger on 20 Apr 1996 (Cruise CH126A)

Instruments deployed on the rig (0.5m above bed):

RDI Acoustic Doppler Current Profiler (#1567)

BODC DATA ACTIVITY DOCUMENT NO. 73364

Applies to BODC Series Ref. Nos.: 491878

Proudman Oceanographic Laboratory Moored Instrument Rig#783
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site S600

Rig position: 56deg 27.77'N 09deg 07.58'W

Deployed: 13 Jul 1996 17:39 from RRS Challenger (cruise CH128A)
Recovered: 29 Jul 1996 11:57 from RRS Challenger (Cruise CH128B)

Instruments deployed on the rig (0.5m above bed):

POL 75 kHz Experimental Acoustic Doppler Current Profiler

BODC DATA ACTIVITY DOCUMENT NO. 74825

Applies to BODC Series Ref. Nos.: 496115

Proudman Oceanographic Laboratory Moored Instrument Rig#677
==========

This rig was deployed as part of the LOIS Shelf-Edge Study at site S700

Rig position: 56deg 27.10'N 09deg 09.51'W

Deployed: 27 Mar 1995 18:20 from RRS Charles Darwin (cruise CD91B)
Recovered: Adrift by a fishing vessel

The instruments were attached to a toroidal buoy at the surface.

Instruments on rig (with depths)

1m	:	Transmissometer (#1761)
43m	:	Thermistor chain (#1147) - not recovered

Rig believed to have come adrift at 11:58 on 01 April 1995.

BODC DATA ACTIVITY DOCUMENT NO. 75203

Applies to BODC Series Ref. Nos.: 507815

POL WAVERIDER Buoy employed during LOIS SES
==========

The POL waverider rig#744 was deployed as part of LOIS Shelf Edge Study at site S140.

Rig position: 56deg 27.47'N 08deg 58.23'W

Deployed: 05 Sep 1995 from RRS Challenger (cruise CH121C)
Recovered: 31 Jan 1996 after breaking free of mooring on 7 Nov 1995

```
                                  | <----------- Argos Antenna
          Datawell Waverider      ***** <----------- Flashing Light
            buoy & logger -----> /     \
                                /       \
                               (         )
      Sea Level ----------------\       /-------------
                                 \     /
                                  \   /
                                _   ---
                                |   $
              1m Ballast Chain  {   $
                                |   $
                                -   |
                                |   |
                  300m 8-Plait  |   |
                  polyprop and  {   |
                    hardeyes    |   |
                                |   |
                                -   $
                     50m chain  {   $
                                -   $
                                   ~~~ <-----  Anchor
```

Instrumentation:

Datawell Waverider

The spherical Datawell Waverider buoy has a diameter of 0.9m and a weight of 212Kg. The Waverider measures only wave height and wave period by recording the vertical acceleration of the buoy. The discrepancy between Waverider movement and the vertical movement of the sea surface is small. The Waverider's accuracy decreases significantly below wave lengths of 2.5m (wave period 1.25 seconds).

Also on the rig:	Argos Transmitter	Serial no. 3704
	Synergetics 14A	Serial no. 2390A861

BODC DATA ACTIVITY DOCUMENT NO. 76634

Applies to BODC Series Ref. Nos.: 508093, 508161

Dunstaffnage Marine Laboratory Moored Instrument Rig #312

This rig was deployed in the Tiree Passage at site Y. The deployment forms part of the moored current meter series in the Tiree Passage, from May 1993 to September 1997.

Rig Position: 56deg 37.2'N, 06deg 24.0'W

Deployed: 28 Nov 1994 11:29 from RRS Challenger (cruise CH116)
Recovered: 14 Apr 1995 05:42 from RRS Charles Darwin (cruise CD92B)

The instruments formed a U-shaped mooring anchored by two 450kg weights, connected by a 100 metre ground wire. A spar marker buoy was attached to one of the weights, with a recovery line. The instruments, attached to the second weight, were held erect by a sub-surface buoy.

Instruments deployed on the rig (with heights above sea bed):

11m	:	Aanderaa current meter (#9718)
22m	:	Aanderaa current meter (#10060)

Both instruments were fitted with temperature and salinity sensors.

BODC DATA ACTIVITY DOCUMENT NO. 76648

Applies to BODC Series Ref. Nos.: 508228, 508277

Dunstaffnage Marine Laboratory Moored Instrument Rig #315
==========

This rig was deployed in the Tiree Passage at site Y. The deployment forms part of the moored current meter series in the Tiree Passage, from May 1993 to September 1997.

Rig Position: 56deg 37.1'N, 06deg 23.6'W

Deployed: 14 Apr 1995 12:30 from RRS Charles Darwin (cruise CD92B)
Recovered: 29 Jul 1995 09:22 from RRS Challenger (cruise CH120)

The instruments formed a U-shaped mooring anchored by two 450kg weights, connected by a 100 metre ground wire. A spar marker buoy was attached to one of the weights, with a recovery line. The instruments, attached to the second weight, were held erect by a sub-surface buoy.

Instruments deployed on the rig (with heights above sea bed):

11m	:	Aanderaa current meter (#10208)
22m	:	Aanderaa current meter (#10209)

Both instruments were fitted with temperature and salinity sensors.

BODC DATA ACTIVITY DOCUMENT NO. 76651

Applies to BODC Series Ref. Nos.: 508100, 508173

Dunstaffnage Marine Laboratory Moored Instrument Rig #325
==========

This rig was deployed in the Tiree Passage at site Y. The deployment forms part of the moored current meter series in the Tiree Passage, from May 1993 to September 1997.

Rig Position: 56deg 37.06'N, 06deg 24.37'W

Deployed: 29 Jul 1995 12:47 from RRS Challenger (cruise CH120)
Recovered: 19 Jan 1996 11:49 from RRS Challenger (cruise CH124)

The instruments formed a U-shaped mooring anchored by two 450kg weights, connected by a 100 metre ground wire. A spar marker buoy was attached to one of the weights, with a recovery line. The instruments, attached to the second weight, were held erect by a sub-surface buoy.

Instruments deployed on the rig (with heights above sea bed):

11m	:	Aanderaa current meter (#9718)
22m	:	Aanderaa current meter (#10060)

Both instruments were fitted with temperature and salinity sensors.

BODC DATA ACTIVITY DOCUMENT NO. 76665

Applies to BODC Series Ref. Nos.: 508241, 508289

Dunstaffnage Marine Laboratory Moored Instrument Rig #328
==========

This rig was deployed in the Tiree Passage at site Y. The deployment forms part of the moored current meter series in the Tiree Passage, from May 1993 to September 1997.

Rig Position: 56deg 37.3'N, 06deg 23.3'W

Deployed: 19 Jan 1996 14:52 from RRS Challenger (cruise CH124)
Recovered: 16 May 1996 15:15 from RV Calanus (cruise CAL0596)

The instruments formed a U-shaped mooring anchored by two 450kg weights, connected by a 100 metre ground wire. A spar marker buoy was attached to one of the weights, with a recovery line. The instruments, attached to the second weight, were held erect by a sub-surface buoy.

Instruments deployed on the rig (with heights above sea bed):

11m	:	Aanderaa current meter (#10208)
22m	:	Aanderaa current meter (#10209)

Both instruments were fitted with temperature and salinity sensors.

BODC DATA ACTIVITY DOCUMENT NO. 76679

Applies to BODC Series Ref. Nos.: 508112, 508185

Dunstaffnage Marine Laboratory Moored Instrument Rig #330
==========

This rig was deployed in the Tiree Passage at site Y. The deployment forms part of the moored current meter series in the Tiree Passage, from May 1993 to September 1997.

Rig Position: 56deg 37.32'N, 06deg 24.25'W

Deployed: 16 May 1996 18:30 from RV Calanus (cruise CAL0596)
Recovered: 16 Sep 1996 14:45 from RV Calanus

The instruments formed a U-shaped mooring anchored by two 450kg weights, connected by a 100 metre ground wire. A spar marker buoy was attached to one of the weights, with a recovery line. The instruments, attached to the second weight, were held erect by a sub-surface buoy.

Instruments deployed on the rig (with heights above sea bed):

11m	:	Aanderaa current meter (#9718)
22m	:	Aanderaa current meter (#10060)

Both instruments were fitted with temperature and salinity sensors.

BODC FIXED STATION DOCUMENT NO. 65206

Applies to BODC Series Ref. Nos.: 426117, 426129, 427366, 427378, 427391, 436148, 436185, 436197, 436228, 438874, 438929, 439029, 439171, 439183, 439367, 439379, 439380, 439411, 439484, 439496, 439503, 439515, 439668, 442387, 442479, 442547, 442559, 442584, 442596, 442639, 442640, 442664, 442676, 442688, 442719, 444197, 444204, 444216, 444241, 444437, 476046, 476071, 476083, 476138, 476151, 476163, 476231, 477209, 477210, 477246, 477399, 489769, 491909, 496059, 496060, 496127, 496139, 496152, 496164, 506050, 506062, 506086, 507815

LOIS(SES) Moorings Site S140

==========

Instrument deployment history

The following table summarises the instruments deployed at this site during the LOIS SES project for which data may be available.

```
CM   <---->         <--><---><---------><---><------><-->

Met  <---->         <----------->             <-------->

BPR  <----><------><--><---><---------><---><------><-->

ADCP       <------><--><---><---------><---><------><-->

TChn       <-----><-><-><---->                  <------><-->

Tr         <-----><-><-><--><-->         <---><------><-->

Fl         <-----><-><-><--><-->         <---><------><-->

NA                 <-->                        <------>

1995                                 1996
     M  A  M  J  J  A  S  O  N  D     J  F  M  A  M  J  J  A
     a  p  a  u  u  u  e  c  o  e     a  e  a  p  a  u  u  u
     r  r  y  n  l  g  p  t  v  c     n  b  r  r  y  n  l  g
```

CM = Current meter (Aanderaa or S4)
Met = Meteorology
BPR = Bottom pressure recorder
ADCP = Acoustic Doppler Current Profiler
TChn = Thermistor chain
Tr = Transmissometer
Fl = Fluorometer
NA = Nutrient analyser

BODC FIXED STATION DOCUMENT NO. 65206 (continued)

Note:

1) Transmissometers may have been fitted to some of the current meters.
2) Other instruments (colour sensors, wave rider) may have been deployed.
3) Only periods for which useful data were returned are shown.

BODC FIXED STATION DOCUMENT NO. 65223

Applies to BODC Series Ref. Nos.: 426130, 431261, 431273, 431285, 436290, 436308, 439042, 439054, 439066, 439091, 439226, 439299, 439355, 439447, 439527, 439576, 439588, 439607, 439620, 439632, 439644, 442363, 444185, 444413, 444425, 476058, 476102, 476175, 476199, 476206, 491891, 496072, 496084, 496096, 496140

LOIS(SES) Moorings Site S200

==========

Instrument deployment history

The following table summarises the instruments deployed at this site during the LOIS SES project for which data may be available.

```
CM   <-><-><----------->                        <->

ADCP                <-->

TChn <-><-><----------><---->

Tr   <-><-><----------><---><-->                <-------->

Fl   <-><-><----------><---><-->                <-------->

NA   <-><->      <--><-->

1995                                1996
     M  A  M  J  J  A  S  O  N  D     J  F  M  A  M  J  J  A
     a  p  a  u  u  u  e  c  o  e     a  e  a  p  a  u  u  u
     r  r  y  n  l  g  p  t  v  c     n  b  r  r  y  n  l  g
```

CM = Current meter (Aanderaa or S4)
BPR = Bottom pressure recorder
ADCP = Acoustic Doppler Current Profiler
TChn = Thermistor chain
Tr = Transmissometer
Fl = Fluorometer
NA = Nutrient analyser

Note:

1) Transmissometers may have been fitted to some of the current meters.
2) Other instruments (colour sensors, STABLE) may have been deployed.
3) Only periods for which useful data were returned are shown.

BODC FIXED STATION DOCUMENT NO. 65237

Applies to BODC Series Ref. Nos.: 426074, 426086, 431316, 431328, 431341, 431353, 431365, 431408, 431421, 431433, 436136, 436216, 436241, 436289, 438886, 438898, 438905, 438954, 439005, 439030, 439306, 439318, 439331, 439343, 439423, 439460, 439540, 439656, 439700, 439712, 439724, 439736, 439748, 439761, 439773, 439804, 439816, 442418, 442455, 442467, 442572, 442603, 442615, 442627, 477258, 477271, 477283, 477295, 477302, 477314, 477326, 477338, 477351, 477363, 496188, 506074

LOIS(SES) Moorings Site S300

==========

Instrument deployment history

The following table summarises the instruments deployed at this site during the LOIS SES project for which data may be available.

```
CM   <->   <--------><-->    <-------->        <-->      <->

TChn       <--------><-->                      <-->-----><->

Tr                                             <-------><->

NA                                             <-------->

1995                                 1996
     M  A  M  J  J  A  S  O  N  D     J  F  M  A  M  J  J  A
     a  p  a  u  u  u  e  c  o  e     a  e  a  p  a  u  u  u
     r  r  y  n  l  g  p  t  v  c     n  b  r  r  y  n  l  g
```

CM = Current meter (Aanderaa or S4)
BPR = Bottom pressure recorder
ADCP = Acoustic Doppler Current Profiler
TChn = Thermistor chain
Tr = Transmissometer
Fl = Fluorometer
NA = Nutrient analyser

Note:

1) Transmissometers may have been fitted to some of the current meters.
2) Other instruments (colour sensors) may have been deployed.
3) Only periods for which useful data were returned are shown.

BODC FIXED STATION DOCUMENT NO. 65240

Applies to BODC Series Ref. Nos.: 426098, 426105, 431236, 431248, 431297, 431304, 431457, 436161, 436204, 436277, 438917, 438930, 438942, 439017, 439195, 439251, 439263, 439275, 439459, 439552, 439564, 439619, 439681, 439693, 439785, 439797, 442406, 442431, 442443, 442480, 442511, 442523, 442535, 442560, 476114, 476126, 476187, 476218, 496103, 496115, 496176, 506098

LOIS(SES) Moorings Site S700

==========

Instrument deployment history

The following table summarises the instruments deployed at this site during the LOIS SES project for which data may be available.

```
CM   <-->  <--------><-->                <------><--------->

TChn       <-->-----><-->                <------><--------->

Tr         <-->

Fl         <-->-----><-->                        <--------->

NA         <-->----->

1995                                 1996
     M  A  M  J  J  A  S  O  N  D     J  F  M  A  M  J  J  A
     a  p  a  u  u  u  e  c  o  e     a  e  a  p  a  u  u  u
     r  r  y  n  l  g  p  t  v  c     n  b  r  r  y  n  l  g
```

CM = Current meter (Aanderaa or S4)
BPR = Bottom pressure recorder
ADCP = Acoustic Doppler Current Profiler
TChn = Thermistor chain
Tr = Transmissometer
Fl = Fluorometer
NA = Nutrient analyser

Note:

1) Transmissometers may have been fitted to some of the current meters.
2) Other instruments (colour sensors) may have been deployed.
3) Only periods for which useful data were returned are shown.

BODC FIXED STATION DOCUMENT NO. 65502

Applies to BODC Series Ref. Nos.: 431389, 444228, 444253, 444265, 477222, 489770

LOIS(SES) Moorings Site S400

==========

Instrument deployment history

The following table summarises the instruments deployed at this site during the LOIS SES project for which data may be available.

```
CM                    <-->

ADCP                 <---><------><-------><----->        <->

1995                                 1996
     M  A  M  J  J  A  S  O  N  D     J  F  M  A  M  J  J  A
     a  p  a  u  u  u  e  c  o  e     a  e  a  p  a  u  u  u
     r  r  y  n  l  g  p  t  v  c     n  b  r  r  y  n  l  g
```

CM = Current meter (Aanderaa or S4)
ADCP = Acoustic Doppler Current Profiler

Note:

1) Transmissometers may have been fitted to some of the current meters.
2) Only periods for which useful data were returned are shown.

BODC FIXED STATION DOCUMENT NO. 65516

Applies to BODC Series Ref. Nos.: 431445, 442375

LOIS(SES) Moorings Site N200

==========

Instrument deployment history

The following table summarises the instruments deployed at this site during the LOIS SES project for which data may be available.

```
CM         <-->

TChn       <-->

1995                                1996
     M  A  M  J  J  A  S  O  N  D     J  F  M  A  M  J  J  A
     a  p  a  u  u  u  e  c  o  e     a  e  a  p  a  u  u  u
     r  r  y  n  l  g  p  t  v  c     n  b  r  r  y  n  l  g
```

CM = Current meter (Aanderaa or S4)
TChn = Thermistor chain

Note:

1) Transmissometers may have been fitted to some of the current meters.
2) Only periods for which useful data were returned are shown.

BODC FIXED STATION DOCUMENT NO. 65533

Applies to BODC Series Ref. Nos.: 431377, 431390, 436253, 436265, 438966, 438991, 439078, 439134, 439146, 439158, 439238, 439539, 442399

LOIS(SES) Moorings Site N300

==========

Instrument deployment history

The following table summarises the instruments deployed at this site during the LOIS SES project for which data may be available.

```
CM          <-->      <->                 <-->     <->    <-->

TChn                  <->

1995                                 1996
     M  A  M  J  J  A  S  O  N  D     J  F  M  A  M  J  J  A
     a  p  a  u  u  u  e  c  o  e     a  e  a  p  a  u  u  u
     r  r  y  n  l  g  p  t  v  c     n  b  r  r  y  n  l  g
```

CM = Current meter (Aanderaa or S4)
TChn = Thermistor chain

Note:

1) Transmissometers may have been fitted to some of the current meters.
2) Only periods for which useful data were returned are shown.

BODC FIXED STATION DOCUMENT NO. 65734

Applies to BODC Series Ref. Nos.: 436173, 439109, 439110, 439122, 439287, 442652, 442707, 442720, 442744

LOIS(SES) Moorings Site N140

==========

Instrument deployment history

The following table summarises the instruments deployed at this site during the LOIS SES project for which data may be available.

```
CM           <----->                            <---------->

BPR          <------><->                 <------><---------->

1995                                 1996
     M  A  M  J  J  A  S  O  N  D     J  F  M  A  M  J  J  A
     a  p  a  u  u  u  e  c  o  e     a  e  a  p  a  u  u  u
     r  r  y  n  l  g  p  t  v  c     n  b  r  r  y  n  l  g
```

CM = Current meter (Aanderaa or S4)
BPR = Bottom pressure recorder

Note:

1) Transmissometers may have been fitted to some of the current meters.
2) Other instruments (colour sensors, wave rider) may have been deployed.
3) Only periods for which useful data were returned are shown.

BODC FIXED STATION DOCUMENT NO. 65952

Applies to BODC Series Ref. Nos.: 438978, 442492, 442732, 444449, 477191, 477375, 477387

LOIS(SES) Moorings Site S140E

==========

Instrument deployment history

The following table summarises the instruments deployed at this site during the LOIS SES project for which data may be available.

```
CM                                                          <-->

BPR                                                         <-->

ADCP                                                        <-->

TChn                                                        <-->

1995                                  1996
     M  A  M  J  J  A  S  O  N  D     J  F  M  A  M  J  J  A
     a  p  a  u  u  u  e  c  o  e     a  e  a  p  a  u  u  u
     r  r  y  n  l  g  p  t  v  c     n  b  r  r  y  n  l  g
```

CM = Current meter (Aanderaa or S4)
BPR = Bottom pressure recorder
ADCP = Acoustic Doppler Current Profiler
TChn = Thermistor chain

Note:

1) Transmissometers may have been fitted to some of the current meters.
2) Only periods for which useful data were returned are shown.

BODC FIXED STATION DOCUMENT NO. 66174

Applies to BODC Series Ref. Nos.: 439202, 439214, 439392, 439472, 476095

LOIS(SES) Moorings Site N1500

==========

Instrument deployment history

The following table summarises the instruments deployed at this site during the LOIS SES project for which data may be available.

```
CM   <-----><---------->                 <-----><----------->

Fl                                              <----------->

Sed  <-----><---------->                 <-----><----------->

1995                                1996
     M  A  M  J  J  A  S  O  N  D     J  F  M  A  M  J  J  A
     a  p  a  u  u  u  e  c  o  e     a  e  a  p  a  u  u  u
     r  r  y  n  l  g  p  t  v  c     n  b  r  r  y  n  l  g
```

CM = Current meter (Aanderaa or S4)
Fl = Fluorometer
Sed = Sediment trap

Note:

1) Transmissometers may have been fitted to some of the current meters.
2) Only periods for which useful data were returned are shown.

BODC FIXED STATION DOCUMENT NO. 66715

Applies to BODC Series Ref. Nos.: 439435, 476243

LOIS(SES) Moorings Site P1500

==========

Instrument deployment history

The following table summarises the instruments deployed at this site during the LOIS SES project for which data may be available.

```
CM                                                <---------->

Fl                                                <---------->

1995                                   1996
     M  A  M  J  J  A  S  O  N  D     J  F  M  A  M  J  J  A
     a  p  a  u  u  u  e  c  o  e     a  e  a  p  a  u  u  u
     r  r  y  n  l  g  p  t  v  c     n  b  r  r  y  n  l  g
```

CM = Current meter (Aanderaa or S4)
Fl = Fluorometer

Note:

1) Transmissometers may have been fitted to some of the current meters.

BODC FIXED STATION DOCUMENT NO. 73350

Applies to BODC Series Ref. Nos.: 491878

LOIS(SES) Moorings site S600

==========

Instrument deployment history

Three bottom-mounted ADCP deployments were made at this site. The first of these was deployed in November 1995 from cruise CH123A but was never recovered.

The second deployment was a short (4 days) test deployment of the POL 75 kHz experimental ADCP from cruise CH126A which returned no useful data.

The third deployment was the only activity at this site to return any usable data. The POL 75 kHz experimental ADCP was deployed on cruise CH128A from 13 July 1996 until 29 July 1996.

BODC FIXED STATION DOCUMENT NO. 76573

Applies to BODC Series Ref. Nos.: 508093, 508100, 508112, 508161, 508173, 508185, 508228, 508241, 508277, 508289

Tiree Passage Mooring Y

==========

The DML Tiree Passage Mooring was a current meter mooring at 56 degrees 37.2' N, 6 degrees 24.0' W. It was maintained by the CCMS Dunstaffnage Marine Laboratory from 21/05/1993 until 17/09/1997. The site was continuously occupied except for the period between 16/02/1997 and 30/04/1997 when the mooring was removed by fishing activity.

The mooring included two Aanderaa recording meters located 11m and 22m above the sea floor except for the period between 09/05/1994 and 15/08/1994 when there was no top current meter. The proportion of good data returned was exceptionally high.

It should be noted that these data were submitted to BODC from PML and not DML. This was due to the relocation of the Principal Investigator responsible for the data. He subsequently returned to DML.

BODC PROJECT DOCUMENT NO. 65159

Applies to BODC Series Ref. Nos.: 426074, 426086, 426098, 426105, 426117, 426129, 426130, 427366, 427378, 427391, 431236, 431248, 431261, 431273, 431285, 431297, 431304, 431316, 431328, 431341, 431353, 431365, 431377, 431389, 431390, 431408, 431421, 431433, 431445, 431457, 436136, 436148, 436161, 436173, 436185, 436197, 436204, 436216, 436228, 436241, 436253, 436265, 436277, 436289, 436290, 436308, 438874, 438886, 438898, 438905, 438917, 438929, 438930, 438942, 438954, 438966, 438978, 438991, 439005, 439017, 439029, 439030, 439042, 439054, 439066, 439078, 439091, 439109, 439110, 439122, 439134, 439146, 439158, 439171, 439183, 439195, 439202, 439214, 439226, 439238, 439251, 439263, 439275, 439287, 439299, 439306, 439318, 439331, 439343, 439355, 439367, 439379, 439380, 439392, 439411, 439423, 439435, 439447, 439459, 439460, 439472, 439484, 439496, 439503, 439515, 439527, 439539, 439540, 439552, 439564, 439576, 439588, 439607, 439619, 439620, 439632, 439644, 439656, 439668, 439681, 439693, 439700, 439712, 439724, 439736, 439748, 439761, 439773, 439785, 439797, 439804, 439816, 442363, 442375, 442387, 442399, 442406, 442418, 442431, 442443, 442455, 442467, 442479, 442480, 442492, 442511, 442523, 442535, 442547, 442559, 442560, 442572, 442584, 442596, 442603, 442615, 442627, 442639, 442640, 442652, 442664, 442676, 442688, 442707, 442719, 442720, 442732, 442744, 444185, 444197, 444204, 444216, 444228, 444241, 444253, 444265, 444413, 444425, 444437, 444449, 476046, 476058, 476071, 476083, 476095, 476102, 476114, 476126, 476138, 476151, 476163, 476175, 476187, 476199, 476206, 476218, 476231, 476243, 477191, 477209, 477210, 477222, 477234, 477246, 477258, 477271, 477283, 477295, 477302, 477314, 477326, 477338, 477351, 477363, 477375, 477387, 477399, 489769, 489770, 489782, 491878, 491891, 491909, 496059, 496060, 496072, 496084, 496096, 496103, 496115, 496127, 496139, 496140, 496152, 496164, 496176, 496188, 506050, 506062, 506074, 506086, 506098, 508093, 508100, 508112, 508161, 508173, 508185, 508228, 508241, 508277, 508289

BODC PROJECT DOCUMENT NO. 65159 (continued)

Land Ocean Interaction Study (LOIS)

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The Land Ocean Interaction Study (LOIS) was a Community Research Project of the Natural Environment Research Council (NERC). The broad aim of LOIS was to gain an understanding of, and an ability to predict, the nature of environmental change in the coastal zone around the UK through an integrated study from the river catchments through to the shelf break.

LOIS was a collaborative, multidisciplinary study undertaken by scientists from NERC research laboratories and Higher Education institutions. The LOIS project was managed from NERC's Plymouth Marine Laboratory.

The project ran for five years from April 1993 until April 1998 with a further modelling and synthesis phase beginning in April 1998. The marine field data were collected between September 1993 and September 1997.

LOIS consisted of the following components:

Shelf-Edge Study (SES)
River-Atmosphere-Coast Study (RACS)
(with Marine, Rivers, Atmospheric and Terrestrial components)
Land Ocean Evolution Perspective Study (LOEPS)

The following LOIS activities collected marine moored instrument data:

SES
RACS Holderness Experiment
RACS Monitoring Moorings

BODC PROJECT DOCUMENT NO. 70202

This document applies to all series.

Land Ocean Interaction Study (LOIS) - Shelf Edge Study (SES)

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SES was devoted to the study of interactions between the shelf seas and the open ocean. Research cruises for this component of LOIS took place on the shelf break off the west coast of Scotland.

One objective was to examine the physical processes involved in the fluxes of dissolved and suspended constituents across the shelf edge with a special emphasis on organic carbon and nutrients.

SES cruises were at sea at intervals from March 1995 until August 1996 and collected continuous underway, CTD and water bottle data. Moored instruments were deployed continuously during this period along two lines across the shelf break at 56.4-56.5 N and 56.6-56.7 N although there were heavy losses due to the intensive fishing activity in the area. The moorings included sediment traps for the quantification of vertical fluxes.

Moored instrument activities associated with SES comprised current measurements in the North Channel in 1993 and the Tiree Passage from 1995-1996. These provided boundary conditions for SES modelling activities.

PARAMETERS

Parameter : 440VUU01 (OPTC)
Description : Sub-surface uncalibrated upwelling vector irradiance at 440 nm
Method : Cosine-collector radiometer
Units : Millivolts

Parameter : 490VUU01 (OPTC)
Description : Sub-surface uncalibrated upwelling vector irradiance at 490 nm
Method : Cosine-collector radiometer
Units : Millivolts

Parameter : 570VUU01 (OPTC)
Description : Sub-surface uncalibrated upwelling vector irradiance at 570 nm
Method : Cosine-collector radiometer
Units : Millivolts

Parameter : 670VUU01 (OPTC)
Description : Sub-surface uncalibrated upwelling vector irradiance at 670 nm
Method : Cosine-collector radiometer
Units : Millivolts

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

Parameter : AAFDZZ01 (TIME)
Description : Day fraction
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 yyyymmdd
Method : Computation
Units : Years Months Days (yyyymmdd)

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

PARAMETERS

Parameter : ATTNMR01 (HYDR)
Description : Red light attenuance (25cm beam)
Method : 660nm 25cm transmissometer
Units : per metre

Parameter : CNDCPR01 (HYDR)
Description : Probe measured conductivity
Method : Conductivity probe
Units : Mhos/metre

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

Parameter : CPHLUA01 (PIGS)
Description : Chlorophyll-a
Method : Computed from the ratio of upwelled irradiance at 440 and 570 nm
Units : milligrams/cubic metre

Parameter : CPHLUB01 (PIGS)
Description : Chlorophyll-a
Method : Computed from the ratio of upwelled irradiance at 490 and 570 nm
Units : milligrams/cubic metre

Parameter : CSLRZZ01 (MET)
Description : Solar radiation
Method : Unspecified method
Units : Watts/square metre

Parameter : CTMPZZ01 (MET)
Description : Air temperature (in-situ)
Method : Unspecified method
Units : Degrees Centigrade

Parameter : EWDASS01 (WIND)
Description : Wind direction
Method : In-situ anemometer
Units : Degrees True

Parameter : EWSBSS01 (WIND)
Description : Wind speed
Method : In-situ anemometer
Units : metres/sec

PARAMETERS

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

Parameter : FCNTRW01 (PIGS)
Description : Raw fluorometer count
Method : In-situ Aquatracka fluorometer
Units : Dimensionless

Parameter : GTDHFA01 (WAVE)
Description : Significant wave height (waverider)
Method : Fourier analysis on waverider data
Units : Metres

Parameter : GTZAVA01 (WAVE)
Description : Zero crossing period (waverider)
Method : Variable analysis methodology - waverider
Units : Seconds

Parameter : HEADCM01 (NAV)
Description : Platform Heading (Orientation)
Method : measured by compass
Units : Degrees True

Parameter : LCDAEL01 (CURR)
Description : Current direction (Eulerian method)
Method : In-situ current measurement
Units : Degrees True

Parameter : LCEWAP01 (CURR)
Description : E-W current velocity (ADCP)
Method : Moored acoustic doppler current meter
Units : cms/sec

Parameter : LCEWEL01 (CURR)
Description : E-W current velocity (Eulerian method)
Method : In-situ current measurement
Units : cms/sec

Parameter : LCNSAP01 (CURR)
Description : N-S current velocity (ADCP)
Method : Moored acoustic doppler current meter
Units : cms/sec

PARAMETERS

Parameter : LCNSEL01 (CURR)
Description : N-S current velocity (Eulerian method)
Method : In-situ current measurement
Units : cms/sec

Parameter : LCSAEL01 (CURR)
Description : Current speed (Eulerian method)
Method : In-situ current measurement
Units : cms/sec

Parameter : LCSAEL02 (CURR)
Description : Current speed (Eulerian method) (Channel 2)
Method : In-situ current measurement
Units : cms/sec

Parameter : LCSAEL03 (CURR)
Description : Current speed (Eulerian method) (Channel 3)
Method : In-situ current measurement
Units : cms/sec

Parameter : LCSAEL04 (CURR)
Description : Current speed (Eulerian method) (Channel 4)
Method : In-situ current measurement
Units : cms/sec

Parameter : LERRAP01 (CURR)
Description : Error velocity (ADCP)
Method : Moored acoustic doppler current meter
Units : cms/sec

Parameter : LRZAAP01 (CURR)
Description : Vertical current velocity (ADCP)
Method : Moored acoustic doppler current meter
Units : cms/sec

Parameter : PRESPS01 (HYDR)
Description : Sea pressure (fixed)
Method : Fixed pressure sensor (e.g. SFPG)
Units : Decibars

Parameter : PRSTPS01 (TIDE)
Description : Total pressure (bottom mounted probe)
Method : Bottom mounted pressure sensor
Units : Decibars

PARAMETERS

Parameter : PSALPR01 (HYDR)
Description : Practical salinity (unspecified probe type)
Method : Unspecified conductivity probe
Units : Practical Salinity Units

Parameter : PTCHEI01 (NAV)
Description : Pitch Angle
Method : Electromechanical Inclinometer
Units : Degrees

Parameter : ROLLEI01 (NAV)
Description : Roll Angle
Method : Electromechanical Inclinometer
Units : Degrees

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

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

FLAGS

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
P	Trace/calm
Q	Indeterminate
R	Replacement value
S	Estimated value
T	Interpolated value
W	Control value
X	Excessive difference