FOREWORD

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 data cycle and the repetition of this cycle builds up into what is collectively called a data series. The composition of a data cycle depends not only on the manner in which the data has been collected but also on the manner in which it has 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 data base 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 data cycles 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 no. 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 data cycles 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 compiled on the basis of 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 takes in making and processing his measurements. However, prior to loading data onto its data base, 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.

REPORT LAYOUT

The qualifying documentation and header information in this report is supplied in two sections:

SECTION A: Series Specific Information

The information for each series starts on a new page and commences with an annotated list of the header information appropriate to the series. Any warning or caution documents associated with the series are then listed out in full. The basic documents associated with the series then follow under the caption 'Additional information stored with the data': individual documents are separated by a short dashed line. It should be noted that basic documents that exceed twenty lines of text and that are also associated with more than one of the selected series, are not listed out separately for each series but are included in the General Documentation Section - the reference no. of each of these documents is included with each series as appropriate. The Series Specific Information concludes with a list of titles and reference numbers of any headed documents that are applicable to the series. If the series is associated with a particular Project, Fixed Station (e.g. oil platform or coastal station) or Data Activity (e.g. a cruise or an instrument mooring) there may follow a reference to a document describing that Project, Fixed Station or Data Activity.

When large quantities of similar data are supplied (e.g. CTD data) this section may be suppressed.

SECTION B: General Documentation

This section contains:

a) all basic documents that exceed twenty lines of text and that are also associated with more than one of the selected series
b) all headed documents that are referenced by the selected series
c) any documents that are available describing Projects, Fixed Stations or Data Activities with which any of the selected series are associated
d) descriptions of the various parameters associated with those series which have been fully screened by BODC
e) descriptions of the flags which may be associated with the data cycles

Headed documents start on a new page; all documents are annotated with the BODC document reference number - also included is a list of the BODC Series Reference numbers of the series to which the document or parameter set applies.

SERIES INDEX

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

Series Reference	Data Type	Latitude deg min	Longitude deg min	Start Date yyyy/mm/dd	Sea Floor Depth m	Sensor Depth m
33693	HA	53 26.5 N	005 22.0 W	1972/09/07	85.0	85.0
33700	HA	51 02.9 N	006 56.6 W	1973/06/03	95.0	95.0
33712	HA	47 45.0 N	007 12.0 W	1973/06/01	174.0	174.0
33724	HA	53 30.0 N	003 13.0 W	1973/06/04	9.9	9.9
33736	HA	54 19.5 N	001 14.5 E	1973/09/08	23.0	23.0
33748	HA	52 27.1 N	003 14.5 E	1973/09/08	35.0	35.0
33761	HA	52 28.0 N	002 13.0 E	1973/09/06	39.0	39.0
33773	HA	59 17.8 N	000 03.0 W	1974/11/01	145.0	145.0
33785	HA	59 46.9 N	000 00.5 W	1974/11/02	137.0	137.0
33797	HA	49 01.6 N	010 58.3 W	1975/09/05	203.0	203.0
33804	HA	50 49.2 N	010 55.0 W	1975/09/06	172.0	172.0
33816	HA	58 37.0 N	002 26.3 W	1976/03/09	63.0	63.0
33828	HA	58 56.0 N	001 15.0 W	1976/03/12	113.0	113.0
33841	HA	59 19.2 N	000 15.1 E	1976/03/12	135.0	135.0
33853	HA	59 19.5 N	002 46.7 E	1976/03/14	119.0	119.0
33865	HA	53 46.0 N	003 43.0 W	1977/03/16	41.0	41.0
33877	HA	53 46.2 N	004 08.1 W	1977/03/21	48.0	48.0
33889	HA	54 09.2 N	003 04.2 W	1977/03/21	29.0	29.0
33890	HA	54 38.9 N	003 54.6 W	1977/03/21	32.0	32.0
33908	HA	52 04.1 N	005 47.0 W	1977/03/22	95.0	95.0
33921	HA	53 30.8 N	003 11.9 W	1977/05/20	20.0	20.0
33933	HA	50 15.1 N	003 33.8 W	1977/06/28	43.0	43.0
33945	HA	53 45.8 N	004 07.0 W	1977/10/17	48.0	48.0
33957	HA	51 45.0 N	006 36.0 W	1978/03/25	70.0	70.0
33969	HA	51 20.0 N	006 30.0 W	1978/04/01	95.0	95.0
33970	HA	50 35.0 N	006 10.0 W	1978/03/28	91.3	91.3
33982	HA	50 33.0 N	007 32.0 W	1978/03/30	108.0	108.0
33994	HA	56 30.0 N	005 37.0 W	1978/07/20	180.0	180.0
34008	HA	55 51.6 N	005 44.5 W	1979/08/12	104.0	104.0
34021	HA	54 57.7 N	005 35.7 W	1979/08/05	157.0	157.0
34033	HA	55 27.8 N	006 09.8 W	1979/08/06	108.0	108.0
34045	HA	55 00.2 N	009 59.5 W	1979/08/08	115.0	115.0
34057	HA	55 14.6 N	010 43.0 W	1979/08/09	2510.0	2510.0
34069	HA	55 05.0 N	007 10.0 E	1979/08/23	29.0	29.0
34070	HA	55 00.0 N	007 50.0 E	1979/08/23	17.0	17.0
34082	HA	51 24.6 N	005 00.6 W	1980/04/01	60.0	60.0
34094	HA	50 55.1 N	004 59.9 W	1980/03/31	59.0	59.0
34101	HA	57 14.0 N	010 04.0 W	1980/04/28	2118.0	2118.0
34113	HA	51 20.3 N	003 06.2 W	1980/05/08	4.7	4.7
34125	HA	51 24.4 N	003 09.7 W	1980/05/08	4.0	4.0
34137	HA	51 21.3 N	008 31.0 W	1980/08/31	92.0	92.0
34149	HA	50 31.7 N	007 36.7 W	1980/09/02	110.0	110.0
34174	HA	53 14.4 N	002 06.0 E	1981/05/06	35.0	35.0
34186	HA	54 00.6 N	000 50.4 E	1981/05/07	48.0	48.0

Series Reference	Data Type	Latitude deg min	Longitude deg min	Start Date yyyy/mm/dd	Sea Floor Depth m	Sensor Depth m
34198	HA	54 48.0 N	000 15.0 E	1981/05/07	77.0	77.0
34205	HA	55 35.0 N	000 45.6 E	1981/05/09	75.0	75.0
34217	HA	55 19.6 N	000 32.7 W	1981/05/10	70.0	70.0
34229	HA	56 16.0 N	001 12.0 W	1981/05/11	60.0	60.0
34230	HA	49 39.6 N	008 31.7 W	1980/09/07	140.0	140.0
34242	HA	50 31.0 N	009 49.0 W	1980/09/03	130.0	130.0
34254	HA	48 47.7 N	007 01.4 W	1980/09/07	125.0	125.0
34266	HA	51 08.4 N	009 47.8 W	1980/08/30	117.0	117.0
34278	HA	34 12.8 N	028 54.6 W	1980/08/10	3577.0	3577.0
34291	HA	43 06.3 N	035 11.1 W	1980/08/08	3515.0	3515.0
34309	HA	46 03.8 N	046 34.0 W	1980/08/05	525.0	525.0
34310	HA	43 01.5 N	021 51.6 W	1980/08/13	2548.0	2548.0
34322	HA	56 34.0 N	005 18.7 W	1981/07/23	8.0	8.0
34334	HA	56 34.0 N	005 17.7 W	1981/07/23	12.0	12.0
36734	HA	46 03.8 N	046 34.0 W	1980/08/10	525.0	525.0
36746	HA	46 03.8 N	046 34.0 W	1980/08/05	525.0	525.0
36758	HA	46 03.8 N	046 34.0 W	1980/08/10	525.0	525.0
36771	HA	43 06.4 N	035 11.1 W	1980/08/08	3457.0	3457.0
36783	HA	45 59.1 N	046 26.7 W	1980/08/05	697.0	697.0
36795	HA	44 29.4 N	040 30.0 W	1980/08/07	2380.0	2380.0
36802	HA	45 01.3 N	015 24.7 W	1980/08/14	2830.0	2830.0
36814	HA	45 01.3 N	015 24.7 W	1980/08/14	2830.0	2830.0
36851	HA	33 59.9 N	034 52.9 W	1981/12/01	3066.0	3066.0
36863	HA	33 55.3 N	041 11.5 W	1981/12/05	3372.0	3372.0
36875	HA	26 34.6 N	043 57.5 W	1981/12/08	3600.0	3600.0
36887	HA	26 34.6 N	043 57.5 W	1981/12/08	3600.0	3600.0
36899	HA	14 42.4 N	048 50.4 W	1981/12/14	3527.0	3527.0
36906	HA	14 42.4 N	048 50.4 W	1981/12/14	3527.0	3527.0
36918	HA	09 59.1 N	050 31.1 W	1981/12/15	4850.0	4850.0
36931	HA	06 59.6 N	051 33.3 W	1981/12/16	3764.0	3764.0
36943	HA	06 59.6 N	051 33.3 W	1981/12/16	3764.0	3764.0
36955	HA	26 18.0 S	047 30.6 W	1981/06/17	74.0	74.0
36967	HA	26 18.0 S	047 30.6 W	1981/06/17	74.0	74.0
36979	HA	44 56.5 N	015 34.6 W	1980/12/15	3164.0	3164.0
36980	HA	44 56.5 N	015 34.6 W	1980/12/15	3164.0	3164.0
36992	HA	19 00.4 N	047 30.6 W	1981/12/11	3470.0	3470.0
37006	HA	19 00.4 N	047 30.6 W	1981/12/11	3470.0	3470.0
37018	HA	18 02.5 S	036 08.3 W	1981/06/20	152.0	152.0
37031	HA	18 02.5 S	036 08.3 W	1981/06/20	152.0	152.0
37725	HA	56 55.1 N	008 35.2 W	1970/07/21	137.0	137.0
37737	HA	58 02.0 N	008 35.0 W	1971/03/01	130.0	130.0
37749	HA	58 47.0 N	007 30.0 W	1971/08/12	110.0	110.0
37750	HA	58 47.0 N	007 30.0 W	1971/03/02	110.0	110.0
37762	HA	59 29.5 N	006 21.4 W	1971/08/13	188.0	188.0
37774	HA	59 45.8 N	004 38.9 W	1971/08/14	104.0	104.0
37786	HA	59 59.9 N	002 57.7 W	1971/08/14	90.0	90.0
37798	HA	56 00.4 N	008 35.1 W	1970/07/19	138.0	138.0
40862	HA	47 40.1 N	007 14.8 W	1969/10/03	165.0	165.0
40874	HA	47 40.1 N	007 14.8 W	1969/10/03	165.0	165.0
40886	HA	48 09.9 N	008 20.1 W	1974/11/03	267.0	267.0

Series Reference	Data Type	Latitude deg min	Longitude deg min	Start Date yyyy/mm/dd	Sea Floor Depth m	Sensor Depth m
40898	HA	48 09.9 N	008 20.1 W	1974/11/03	267.0	267.0
40905	HA	48 36.8 N	009 40.9 W	1975/09/04	198.0	198.0
40917	HA	48 36.8 N	009 40.9 W	1975/09/04	198.0	198.0
40929	HA	49 01.6 N	010 58.3 W	1975/09/05	203.0	203.0
40942	HA	49 54.0 N	010 53.9 W	1975/09/05	190.0	190.0
40954	HA	49 54.0 N	010 53.9 W	1975/09/05	190.0	190.0
40966	HA	50 49.2 N	010 55.0 W	1975/09/06	172.0	172.0
40978	HA	50 49.2 N	010 55.0 W	1975/09/06	172.0	172.0
40991	HA	50 49.2 N	010 55.0 W	1975/09/06	172.0	172.0
41005	HA	50 49.2 N	010 55.0 W	1975/09/06	172.0	172.0
41029	HA	53 36.5 N	011 18.2 W	1975/09/07	187.0	187.0
41030	HA	53 36.5 N	011 18.2 W	1975/09/07	187.0	187.0
41042	HA	53 36.0 N	013 49.1 W	1975/09/07	290.0	290.0
41054	HA	53 36.0 N	013 49.1 W	1975/09/07	290.0	290.0
41066	HA	47 26.6 N	008 26.0 W	1974/02/14	2158.0	2158.0
41078	HA	47 26.6 N	008 26.0 W	1974/02/14	2158.0	2158.0
41091	HA	37 09.3 N	020 04.3 W	1974/11/09	2865.0	2865.0
41109	HA	37 09.3 N	020 04.3 W	1974/11/09	2865.0	2865.0
41110	HA	36 55.3 N	009 42.0 W	1975/01/27	1983.0	1983.0
41122	HA	36 55.3 N	009 42.0 W	1975/01/27	1983.0	1983.0
41134	HA	53 38.2 N	020 01.4 W	1975/09/09	2045.0	2045.0
41146	HA	53 38.2 N	020 01.4 W	1975/09/09	2045.0	2045.0
41158	HA	53 30.6 N	025 05.6 W	1975/09/11	3508.0	3508.0
41171	HA	53 38.8 N	030 09.9 W	1976/09/15	3196.0	3196.0
41183	HA	59 20.0 N	004 31.0 E	1976/03/13	271.0	271.0
41195	HA	41 25.0 N	027 56.7 W	1977/01/18	2413.0	2413.0
41202	HA	41 25.0 N	027 56.7 W	1977/01/18	2413.0	2413.0
41214	HA	60 12.3 N	028 46.0 W	1976/09/16	1200.0	1200.0
41226	HA	60 12.3 N	028 46.0 W	1976/09/16	1200.0	1200.0
41238	HA	57 01.3 N	029 58.0 W	1976/09/15	2448.0	2448.0
41251	HA	57 01.3 N	029 58.0 W	1976/09/15	2448.0	2448.0
41263	HA	53 38.8 N	030 09.9 W	1976/09/15	3196.0	3196.0
41275	HA	59 20.0 N	004 31.0 E	1976/03/13	271.0	271.0
41287	HA	55 40.3 N	010 49.1 W	1979/08/09	2504.0	2504.0
41299	HA	55 40.3 N	010 49.1 W	1979/08/09	2504.0	2504.0
41306	HA	55 40.3 N	010 49.1 W	1979/08/09	2504.0	2504.0
41318	HA	36 40.8 N	011 12.5 W	1974/11/07	145.0	145.0
41331	HA	36 40.6 N	014 14.7 W	1972/07/16	212.0	212.0
41343	HA	48 44.8 N	028 11.3 W	1977/01/14	1171.0	1171.0
41355	HA	48 44.8 N	028 11.3 W	1977/01/14	1171.0	1171.0
41367	HA	45 21.4 N	028 09.2 W	1977/01/16	977.0	977.0
41379	HA	45 21.4 N	028 09.2 W	1977/01/16	977.0	977.0
41380	HA	59 46.9 N	000 00.5 W	1974/11/01	137.0	137.0
41392	HA	62 50.2 N	024 43.1 W	1976/09/18	493.0	493.0
41411	HA	62 50.2 N	024 43.1 W	1976/09/18	493.0	493.0
41423	HA	62 57.1 N	010 57.3 W	1976/09/20	444.0	444.0
41435	HA	62 57.1 N	010 57.3 W	1976/09/20	444.0	444.0
41447	HA	10 05.5 N	017 13.6 W	1978/11/07	524.0	524.0
41459	HA	10 05.5 N	017 13.6 W	1978/11/07	524.0	524.0
41460	HA	06 03.9 N	020 58.1 W	1978/11/10	3650.0	3650.0

Series Reference	Data Type	Latitude deg min	Longitude deg min	Start Date yyyy/mm/dd	Sea Floor Depth m	Sensor Depth m
41472	HA	06 03.9 N	020 58.1 W	1978/11/10	3650.0	3650.0
41484	HA	06 03.9 N	020 58.1 W	1978/11/10	3650.0	3650.0
41496	HA	03 07.9 N	025 03.5 W	1978/09/11	4200.0	4200.0
41503	HA	03 07.9 N	025 03.5 W	1978/09/11	4200.0	4200.0
41515	HA	03 07.9 N	025 03.5 W	1978/09/11	4200.0	4200.0
41527	HA	03 07.9 N	025 03.5 W	1978/09/11	4200.0	4200.0
41539	HA	00 56.3 N	029 16.6 W	1978/11/12	383.0	383.0
41540	HA	00 56.3 N	029 16.6 W	1978/11/12	383.0	383.0
41552	HA	17 04.2 S	013 39.6 W	1979/01/04	2700.0	2700.0
41564	HA	17 04.2 S	013 39.6 W	1979/01/04	2700.0	2700.0
41576	HA	17 04.2 S	013 39.6 W	1979/01/04	2700.0	2700.0
41588	HA	17 04.2 S	013 39.6 W	1979/01/02	2700.0	2700.0
47209	HA	57 54.7 N	008 48.5 W	1982/10/25	146.0	146.0
47210	HA	58 00.8 N	009 09.0 W	1982/08/28	213.0	213.0
47222	HA	57 19.0 N	009 52.5 W	1982/04/28	2004.0	2004.0
47234	HA	57 19.0 N	009 52.5 W	1982/08/22	2004.0	2004.0
47246	HA	58 11.5 N	009 57.5 W	1982/08/23	1870.0	1870.0
47258	HA	58 11.5 N	009 57.5 W	1982/08/23	1870.0	1870.0
47271	HA	58 59.2 N	007 23.9 W	1982/08/24	206.0	206.0
47283	HA	59 11.7 N	007 41.3 W	1982/08/23	1095.0	1095.0
47295	HA	59 11.7 N	007 41.3 W	1982/08/24	1095.0	1095.0
47302	HA	59 38.7 N	006 00.5 W	1982/08/27	200.0	200.0
47314	HA	59 38.7 N	006 00.5 W	1983/02/03	200.0	200.0
47326	HA	60 31.7 N	004 58.8 W	1982/10/09		
47338	HA	60 31.7 N	004 58.8 W	1982/10/09		
47351	HA	61 07.9 N	001 33.1 W	1982/10/04	185.0	185.0
47363	HA	61 24.2 N	002 05.6 W	1982/10/04	1025.0	1025.0
47375	HA	61 24.2 N	002 05.6 W	1982/10/04	1025.0	1025.0
47387	HA	61 30.0 N	000 01.3 E	1982/10/06	190.0	190.0
47399	HA	63 07.9 N	000 00.4 W	1982/10/05	1579.0	1579.0
47406	HA	63 07.9 N	000 00.4 W	1982/10/05	1579.0	1579.0

where Data Type HA = Offshore sea floor pressure series

SECTION A

SERIES SPECIFIC INFORMATION

INFORMATION FOR BODC SERIES REF. NO. 33693

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Sea Floor Pressure Gauge Inventory Number : 6942

Start Time : 07 Sep 1972 2122 GMT
End Time : 10 Oct 1972 0951 GMT

Latitude : 53deg 26.5min N
Longitude : 005deg 22.0min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 85.00m
Sea Floor Depth : 85.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Depth Datum : Chart reference

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 721/972/251

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Additional information stored with the data:

Station GE, Irish Sea.

Clock gained 35 seconds over 33 days, 19 hours; the cycle interval and time values have been corrected.

Instrument characteristics and calibration factors

OSTG Type 1, logger 41, sensor FM 4882/7	
Original sampling interval	15 minutes
Integration period	890s
Temperature coefficient	38.46Hz/degC
Pressure sensitivity at 11.3degC	0.971Hz/cm
To convert pressure to elevation the following values should be used:	
Density (from CTD casts)	1025.77kg/m3
Gravitational acceleration constant	9.814m/s2

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

27728; Off-Shore Tide Gauge Type I
27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data

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INFORMATION FOR BODC SERIES REF. NO. 33700

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Sea Floor Pressure Gauge Inventory Number : 6943

Start Time : 03 Jun 1973 0000 GMT
End Time : 05 Jul 1973 2300 GMT

Latitude : 51deg 02.9min N
Longitude : 006deg 56.6min W

Nominal Cycle Interval : 3600.0 secs

Sensor Depth : 95.00m
Sea Floor Depth : 95.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Depth Datum : Chart reference

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 731/973/154

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Additional information stored with the data:

Station C, Celtic Sea.
Clock gained 25 seconds over 34 days, 18.5 hours; the cycle interval and time values have been corrected. An interpolation program was used to produce hourly values, on the hour, of the pressure record.

Instrument characteristics and calibration factors

OSTG Type 1, logger 41, sensor FM 4882/7	
Original sampling interval	15 minutes
Integration period	890s
Temperature coefficient	37.01Hz/degC
Pressure sensitivity at 8.4degC	0.977Hz/cm
To convert pressure to elevation the following values should be used:	
Density (from CTD casts)	1026.86kg/m3
Gravitational acceleration constant	9.812m/s2

Complete record of sphere temperature but sea temperature circuit failed on deployment. Temperature record was taken from bottom mounted current meter and used for correction of frequency record.

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

27728; Off-Shore Tide Gauge Type I
27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data

INFORMATION FOR BODC SERIES REF. NO. 33712

==========

Sea Floor Pressure Gauge Inventory Number : 6944

Start Time : 01 Jun 1973 1500 GMT
End Time : 04 Jul 1973 1300 GMT

Latitude : 47deg 45.0min N
Longitude : 007deg 12.0min W

Nominal Cycle Interval : 3600.0 secs

Sensor Depth : 174.00m
Sea Floor Depth : 174.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Depth Datum : Chart reference

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 732/973/152

==========

Additional information stored with the data:

Station LCB1, La Chapelle Bank, Celtic Sea.
Clock lost 8 seconds over 35 days, 6.5 hours; the cycle interval and time values have been corrected. An interpolation program was used to produce hourly values, on the hour, of the pressure record.

Instrument characteristics and calibration factors

OSTG Mk II, logger 02, sensor HP 3/2

Original sampling interval	15 minutes
Integration period	900s
Temperature coefficient	2.87Hz/degC
Pressure sensitivity at 11.24degC	0.128Hz/cm

To convert pressure to elevation the following values should be used:

Density (from CTD casts)	1027.0 kg/m3
Gravitational acceleration constant	9.809m/s2

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

27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
27762; Off-Shore Tide Gauge Mark II

==========

INFORMATION FOR BODC SERIES REF. NO. 33724

==========

Sea Floor Pressure Gauge Inventory Number : 6945

Start Time : 04 Jun 1973 1437 GMT
End Time : 17 Jul 1973 1422 GMT

Latitude : 53deg 30.0min N
Longitude : 003deg 13.0min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 9.90m
Sea Floor Depth : 9.90m

Positional Uncertainty : 0.1 to 0.5 n.miles
Depth Datum : Chart reference

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 733/973/155

==========

Additional information stored with the data:

Station LB, Liverpool Bay.
Clock lost 3 seconds over 57 days, 3.25 hours; the cycle interval and time values have been corrected. An interpolation program was used to produce hourly values, on the hour, of the pressure record.

Instrument characteristics and calibration factors

OSTG Mk II, logger 03, sensor VIB 1/1	
Original sampling interval	15 minutes
Integration period	900s
Temperature coefficient	0.111Hz/cm
Pressure sensitivity at 12.0degC	0.040Hz/cm
To convert pressure to elevation the following values should be used:	
Density	1032.10kg/m3
Gravitational acceleration constant	9.814m/s2

No CTD casts were taken; the density value given is the average density recorded at Liverpool Bay Light Vessel 1935 - 1946. The depths quoted are relative to Ordnance Datum Newlyn.The depths quoted are relative to Ordnance Datum Newlyn.

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

27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
27762; Off-Shore Tide Gauge Mark II

INFORMATION FOR BODC SERIES REF. NO. 33736

==========

Sea Floor Pressure Gauge Inventory Number : 6946

Start Time : 08 Sep 1973 0000 GMT
End Time : 18 Oct 1973 2300 GMT

Latitude : 54deg 19.5min N
Longitude : 001deg 14.5min E

Nominal Cycle Interval : 3600.0 secs

Sensor Depth : 23.00m
Sea Floor Depth : 23.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Depth Datum : Chart reference

Project : JONSDAP 1973

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 734/973/251

==========

Additional information stored with the data:

Station Z0, Southern North Sea.
Clock gained 50 seconds over 48 days, 21.5 hours; the cycle interval and time values have been corrected. An interpolation program was used to produce hourly values, on the hour, for the pressure record.

Instrument characteristics and calibration factors

OSTG Type 1, logger 41, sensor FM 4882/7
Original sampling interval 15 minutes
Integration period 890s
Temperature coefficient 45.7cm/degC
Pressure sensitivity at 11.2degC 0.836Hz/cm
To convert pressure to elevation the following values should be used:
Density (from CTD casts)
1024.72 + 0.000286 * (total pressure - atmospheric pressure) kg/m3
Gravitational acceleration constant 9.814m/s2

Thermistor channels failed after 3 days 15.75 hours; temperature data from nearby current meter used.

INFORMATION FOR BODC SERIES REF. NO. 33736 (continued)

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

27728; Off-Shore Tide Gauge Type I
27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
Project Document : 26423

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INFORMATION FOR BODC SERIES REF. NO. 33748

==========

Sea Floor Pressure Gauge Inventory Number : 6947

Start Time : 08 Sep 1973 1206 GMT
End Time : 21 Oct 1973 1151 GMT

Latitude : 52deg 27.1min N
Longitude : 003deg 14.5min E

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 35.00m
Sea Floor Depth : 35.00m

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

Project : JONSDAP 1973

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 735/973/251

==========

Additional information stored with the data:

Station WE, Southern North Sea
Clock gained 6 seconds over 58 days, 23.25 hours; the cycle interval and time values have been corrected.

Instrument characteristics and calibration factors

OSTG Mk II, logger 02, sensor VIB 1/3

Original sampling interval	15 minutes
Integration period	900s
Temperature coefficient	11.3cm/degC
Pressure sensitivity at 14.9degC	0.036Hz/cm
To convert pressure to elevation the following values should be used:	
Density (from CTD casts)	1025.48kg/m3
Gravitational acceleration constant	9.813m/s2

Large sandwave in vicinity of OSTG position on launch.

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

27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
27762; Off-Shore Tide Gauge Mark II
Project Document : 26423

INFORMATION FOR BODC SERIES REF. NO. 33761

==========

Sea Floor Pressure Gauge Inventory Number : 6948

Start Time : 06 Sep 1973 2052 GMT
End Time : 19 Oct 1973 1622 GMT

Latitude : 52deg 28.0min N
Longitude : 002deg 13.0min E

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 39.00m
Sea Floor Depth : 39.00m

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

Project : JONSDAP 1973

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 736/973/249

==========

Additional information stored with the data:

Station WI, Southern North Sea
Clock lost 2 seconds over 60 days, 15.5 hours; the cycle interval and time values have been corrected.

Instrument characteristics and calibration factors

OSTG Mk II, logger 03, sensor VIB 1/2	
Original sampling interval	15 minutes
Integration period	900s
Temperature coefficient	5.1cm/degC
Pressure sensitivity at 14.7degC	0.0389Hz/cm
To convert pressure to elevation the following values should be used:	
Density (from CTD casts)	1024.967kg/m3
Gravitational acceleration constant	9.813m/s2

The following gap occurs in the data record due to a logger malfunction which caused the tape drive to stop and restart:
1623h 14 Sept 1973 - 0923h 27 Sept 1973

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

27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
27762; Off-Shore Tide Gauge Mark II
Project Document : 26423

INFORMATION FOR BODC SERIES REF. NO. 33773

==========

Sea Floor Pressure Gauge Inventory Number : 6973

Start Time : 01 Nov 1974 1152 GMT
End Time : 14 Dec 1974 0737 GMT

Latitude : 59deg 17.8min N
Longitude : 000deg 03.0min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 145.00m
Sea Floor Depth : 145.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 743/974/305

==========

Additional information stored with the data:

Station E, North Sea.
Clock lost 14 seconds over 77 days, 23 hours; the cycle interval and time values have been corrected.

Instrument characteristics and calibration factors

OSTG Mk II, logger 04, sensor OAR 4/2	
Original sampling interval	15 minutes
Integration period	900s
Temperature coefficient	0.148Hz/degC
Pressure sensitivity at 8.0degC	0.043Hz/cm
To convert pressure to elevation the following values should be used:	
Density (from CTD casts)	1027.443kg/m3
Gravitational acceleration constant	9.819m/s2

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

27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
27762; Off-Shore Tide Gauge Mark II

==========

INFORMATION FOR BODC SERIES REF. NO. 33785

==========

Sea Floor Pressure Gauge Inventory Number : 6974

Start Time : 02 Nov 1974 0000 GMT
End Time : 19 Nov 1974 0800 GMT

Latitude : 59deg 46.9min N
Longitude : 000deg 00.5min W

Nominal Cycle Interval : 3600.0 secs

Sensor Depth : 137.00m
Sea Floor Depth : 137.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 744/974/306

==========

Additional information stored with the data:

Station H, Northern North Sea
The tide gauge was trawled up some time after 1345h 19 Nov 1974 and taken by a Danish fishing vessel to Hirtshals. No timing corrections have been applied. Both thermistor channels failed after 10 days although many values before this are suspect. No current meters were deployed at this site, therefore a constant temperature of 7.3degC was assumed. An interpolation program was used to produce hourly values, on the hour, of the pressure record.

Instrument characteristics and calibration factors

OSTG Type I logger 41, sensor FM 4882/32	
Original sampling interval	15 minutes
Integration period	890s
Temperature coefficient	40.01Hz/degC
Pressure sensitivity at 9.8degC	1.467Hz/cm
To convert pressure to elevation the following values should be used:	
Density (from CTD casts)	1027.385kg/m3
Gravitational acceleration constant	9.819m/s2

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

27728; Off-Shore Tide Gauge Type I
27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data

INFORMATION FOR BODC SERIES REF. NO. 33797

==========

Sea Floor Pressure Gauge Inventory Number : 6949

Start Time : 05 Sep 1975 1422 GMT
End Time : 29 Sep 1975 2207 GMT

Latitude : 49deg 01.6min N
Longitude : 010deg 58.3min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 203.00m
Sea Floor Depth : 203.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 752/975/248

==========

Additional information stored with the data:

Station C4, South west continental shelf
Clock lost 11 seconds over 46 days, 4.5 hours; the cycle interval and time values have been corrected.

Instrument characteristics and calibration factors

OSTG Mk II, logger 05, sensor VIB 1/5	
Original sampling interval	15 minutes
Integration period	900s
Temperature coefficient	-0.057Hz/degC
Pressure sensitivity at 8.0degC	0.038Hz/mb
To convert pressure to elevation the following values should be used:	
Density	1026.6819kg/m3
No CTD casts were taken, density computed from mean surface temperatures and ICES salinity.	
Gravitational acceleration constant	9.810m/s2

A current meter was also deployed on this mooring.

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

27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
27762; Off-Shore Tide Gauge Mark II
Data Activity Document : 63724

INFORMATION FOR BODC SERIES REF. NO. 33804

==========

Sea Floor Pressure Gauge Inventory Number : 6950

Start Time : 06 Sep 1975 1237 GMT
End Time : 01 Oct 1975 0852 GMT

Latitude : 50deg 49.2min N
Longitude : 010deg 55.0min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 172.00m
Sea Floor Depth : 172.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 754/975/249

==========

Additional information stored with the data:

Station C6, South west continental shelf.
Clock gained 5 seconds over 45 days, 22.25 hours; the cycle interval and time values have been corrected.
Instrument characteristics and calibration factors

OSTG Mk II, logger 02, sensor DIG 5/1	
Original sampling interval	15 minutes
Integration period	900s
Temperature coefficient	0.377Hz/degC
Pressure sensitivity at 12.0degC	0.159Hz/mb
To convert pressure to elevation the following values should be used:	
Density	1026.7219kg/m3
No CTD casts were taken, density computed from mean surface temperatures and ICES salinity.	
Gravitational acceleration constant	9.811m/s2

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

27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
27762; Off-Shore Tide Gauge Mark II

==========

INFORMATION FOR BODC SERIES REF. NO. 33816

==========

Sea Floor Pressure Gauge Inventory Number : 6951

Start Time : 09 Mar 1976 0737 GMT
End Time : 15 Apr 1976 0451 GMT

Latitude : 58deg 37.0min N
Longitude : 002deg 26.3min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 63.00m
Sea Floor Depth : 63.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Depth Datum : Chart reference

Project : JONSDAP 1976

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 761/976/069

==========

Additional information stored with the data:

Station 53, Northern North Sea
Clock gained 69 seconds over 58 days, 2.75 hours; the cycle interval and time values have been corrected.

Instrument characteristics and calibration factors
Aanderaa Current meter/Pressure recorder, logger 1747, sensor DIG 5/2

Original sampling interval	15 minutes
Integration period	900s
Temperature data record from current meter 1747	
Temperature coefficient	-0.61Hz/degC
Pressure sensitivity at 4.0degC	6.547mb/Hz
To convert pressure to elevation the following values should be used:	
Density (from CTD casts)	1027.324kg/m3
Gravitational acceleration constant	9.818m/s2

A current meter was also deployed on this mooring.

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

27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
27793; Aanderaa Current Meter/Pressure Recorder
Project Document : 12764

INFORMATION FOR BODC SERIES REF. NO. 33828

==========

Sea Floor Pressure Gauge Inventory Number : 6952

Start Time : 12 Mar 1976 0152 GMT
End Time : 15 Apr 1976 1852 GMT

Latitude : 58deg 56.0min N
Longitude : 001deg 15.0min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 113.00m
Sea Floor Depth : 113.00m

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

Project : JONSDAP 1976

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 762/976/072

==========

Additional information stored with the data:

Station 54, Northern North Sea
Clock gained 12 seconds over 50 days 0 hours; the cycle interval and time values have been corrected.

Instrument characteristics and calibration factors

OSTG Mk II, logger 02, sensor DIG 5/1	
Original sampling interval	15 minutes
Integration period	900s
Temperature coefficient	2.8mb/degC
Pressure sensitivity at 6.3degC	0.200Hz/mb
To convert pressure to elevation the following values should be used:	
Density (from CTD casts)	1027.548kg/m3
Gravitational acceleration constant	9.818m/s2

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

27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
27762; Off-Shore Tide Gauge Mark II
Project Document : 12764

==========

INFORMATION FOR BODC SERIES REF. NO. 33841

==========

Sea Floor Pressure Gauge Inventory Number : 6953

Start Time : 12 Mar 1976 0122 GMT
End Time : 16 Apr 1976 2007 GMT
Latitude : 59deg 19.2min N
Longitude : 000deg 15.1min E

Nominal Cycle Interval : 900.0 secs
Sensor Depth : 135.00m
Sea Floor Depth : 135.00m

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

Project : JONSDAP 1976

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 763/976/072

==========

Additional information stored with the data:

Station 55, Northern North Sea.
Clock lost 4 seconds over 40 days, 8 hours; the cycle interval and time values have been corrected.

Instrument characteristics and calibration factors

OSTG Mk II, logger 04, sensor VIB 1/4

Original sampling interval	15 minutes
Integration period	900s
Temperature coefficient	4.6mb/degC
Pressure sensitivity at 6.29degC	0.038Hz/mb
To convert pressure to elevation the following values should be used:	
Density (from CTD casts)	1027.717kg/m3
Gravitational acceleration constant	9.819m/s2

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

27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
27762; Off-Shore Tide Gauge Mark II
Project Document : 12764

==========

INFORMATION FOR BODC SERIES REF. NO. 33853

==========

Sea Floor Pressure Gauge Inventory Number : 6954

Start Time : 14 Mar 1976 1552 GMT
End Time : 17 Apr 1976 0652 GMT
Latitude : 59deg 19.5min N
Longitude : 002deg 46.7min E

Nominal Cycle Interval : 900.0 secs
Sensor Depth : 119.00m
Sea Floor Depth : 119.00m

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

Project : JONSDAP 1976

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 764/976/074

==========

Additional information stored with the data:

Station 56, Northern North Sea
Clock gained 6 seconds over 36 days, 16 hours; the cycle interval and time values have been corrected.

Instrument characteristics and calibration factors

OSTG Mk II, logger 01, sensor VIB 1/1	
Original sampling interval	15 minutes
Integration period	900s
Temperature coefficient	1.7mb/degC
Pressure sensitivity at 6.34degC	0.037Hz/mb
To convert pressure to elevation the following values should be used:	
Density (from CTD casts)	1028.623kg/m3
Gravitational acceleration constant	9.819m/s2

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

27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
27762; Off-Shore Tide Gauge Mark II
Project Document : 12764

==========

INFORMATION FOR BODC SERIES REF. NO. 33865

==========

Sea Floor Pressure Gauge Inventory Number : 6955

Start Time : 16 Mar 1977 1924 GMT
End Time : 17 Apr 1977 1034 GMT

Latitude : 53deg 46.0min N
Longitude : 003deg 43.0min W

Nominal Cycle Interval : 600.0 secs

Sensor Depth : 41.00m
Sea Floor Depth : 41.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 771/977/075

==========

Additional information stored with the data:

Station 10, Irish Sea.
Clock gained 18 seconds over 60 days, 22 hours; the cycle interval and time values have been corrected.

Instrument characteristics and calibration factors
Aanderaa Current meter/Pressure recorder, logger 1747, sensor DIG 5/2

Original sampling interval	10 minutes
Integration period	600s
No temperature correction made	
Pressure sensitivity at 8degC	6.68 mb/Hz
To convert pressure to elevation the following values should be used:	
Density (from CTD casts)	1026.379kg/m3
Gravitational acceleration constant	9.814m/s2

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

27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
27793; Aanderaa Current Meter/Pressure Recorder
Data Activity Document : 63724

==========

INFORMATION FOR BODC SERIES REF. NO. 33877

==========

Sea Floor Pressure Gauge Inventory Number : 6927

Start Time : 21 Mar 1977 0744 GMT
End Time : 16 Apr 1977 1224 GMT

Latitude : 53deg 46.2min N
Longitude : 004deg 08.1min W

Nominal Cycle Interval : 600.0 secs

Sensor Depth : 48.00m
Sea Floor Depth : 48.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 772/977/080

==========

Additional information stored with the data:

Station 12, Irish Sea.
Clock gained 10 seconds over 60 days, 21.5 hours; the cycle interval and time values have been corrected.

Instrument characteristics and calibration factors
Aanderaa Current meter/Pressure recorder, logger 1507, sensor DIG 5/1

Original sampling interval	10 minutes
Integration period	600s
Pressure sensitivity at 8degC	0.1568Hz/mb
To convert pressure to elevation the following values should be used:	
Density (from CTD casts)	1026.881kg/m3
Gravitational acceleration constant	9.814m/s2

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

27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
27793; Aanderaa Current Meter/Pressure Recorder
Data Activity Document : 63724

==========

INFORMATION FOR BODC SERIES REF. NO. 33889

==========

Sea Floor Pressure Gauge Inventory Number : 6956

Start Time : 21 Mar 1977 1728 GMT
End Time : 24 Apr 1977 1328 GMT

Latitude : 54deg 09.2min N
Longitude : 003deg 04.2min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 29.00m
Sea Floor Depth : 29.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 773/977/080

==========

Additional information stored with the data:

Station 34, Irish Sea.
Clock gained 62 seconds over 60 days, 6 hours; the cycle interval and time values have been corrected.

Instrument characteristics and calibration factors
Aanderaa Pressure Recorder Type TG-2A, serial number 64
Original sampling interval 15 minutes
Integration period 104s
No temperature correction made
Pressure sensitivity at 8degC 0.1878Hz/mb
To convert pressure to elevation the following values should be used:
Density (from CTD casts) 1025.813kg/m3
Gravitational acceleration constant 9.814m/s2

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

27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
27806; Aanderaa Pressure Recorder Type TG-2A and WLR-5

==========

INFORMATION FOR BODC SERIES REF. NO. 33890

==========

Sea Floor Pressure Gauge Inventory Number : 6957

Start Time : 21 Mar 1977 0952 GMT
End Time : 24 Apr 1977 0852 GMT

Latitude : 54deg 38.9min N
Longitude : 003deg 54.6min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 32.00m
Sea Floor Depth : 32.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 774/977/080

==========

Additional information stored with the data:

Station 35, Irish Sea.
Clock gained 14 seconds over 57 days, 18 hours; the cycle interval and time values have been corrected.

Instrument characteristics and calibration factors

OSTG Mk II, logger 02, sensor DS 6/1	
Original sampling interval	15 minutes
Integration period	900s
Temperature coefficient	0.0mb/degC
Pressure sensitivity at 8degC	0.1644Hz/mb
To convert pressure to elevation the following values should be used:	
Density (from CTD casts)	1025.893kg/m3
Gravitational acceleration constant	9.815m/s2

Sensor DS 6/1 is a Digiquartz sensor housed in an Aanderaa current meter case.

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

27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
27762; Off-Shore Tide Gauge Mark II

==========

INFORMATION FOR BODC SERIES REF. NO. 33908

==========

Sea Floor Pressure Gauge Inventory Number : 6958

Start Time : 22 Mar 1977 1507 GMT
End Time : 27 Apr 1977 1222 GMT

Latitude : 52deg 04.1min N
Longitude : 005deg 47.0min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 95.00m
Sea Floor Depth : 95.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 775/977/081

==========

Additional information stored with the data:

Station 33, Irish Sea.
Clock lost 9 seconds over 57 days, 22.25 hours; the cycle interval and time values have been corrected.

Instrument characteristics and calibration factors

OSTG Mk II, logger 05, sensor VIB 1/6	
Original sampling interval	15 minutes
Integration period	900s
Temperature coefficient	-10.86mb/degC
Pressure sensitivity at 8.44degC	0.03734Hz/mb
To convert pressure to elevation the following values should be used:	
Density (from CTD casts)	1026.896kg/m3
Gravitational acceleration constant	9.813m/s2

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

27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
27762; Off-Shore Tide Gauge Mark II

==========

INFORMATION FOR BODC SERIES REF. NO. 33921

==========

Sea Floor Pressure Gauge Inventory Number : 6959

Start Time : 20 May 1977 1128 GMT
End Time : 08 Aug 1977 1213 GMT

Latitude : 53deg 30.8min N
Longitude : 003deg 11.9min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 20.00m
Sea Floor Depth : 20.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 776/977/140

==========

Additional information stored with the data:

Station QC, Liverpool Bay.
Clock gained 15 seconds over 81 days, 21 hours; the cycle interval and time values have been corrected.

Instrument characteristics and calibration factors

Aanderaa Pressure Recorder Type TG-2A, serial number 64	
Original sampling interval	15 minutes
Integration period	100s
No temperature correction made	
Pressure sensitivity at 15.9degC	0.2584Hz/mb
To convert pressure to elevation the following values should be used:	
Density	1025.3kg/m3
Gravitational acceleration constant	9.814m/s2

This tide gauge was deployed for Mersey Docks and Harbour Company as part of an investigation into offshore and onshore tidal levels in Liverpool Bay. No CTD casts were taken, but 10 sea surface temperature and density casts were taken between 23 May and 29 July.

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

27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
27806; Aanderaa Pressure Recorder Type TG-2A and WLR-5

INFORMATION FOR BODC SERIES REF. NO. 33933

==========

Sea Floor Pressure Gauge Inventory Number : 6926

Start Time : 28 Jun 1977 1255 GMT
End Time : 12 Aug 1977 1614 GMT

Latitude : 50deg 15.1min N
Longitude : 003deg 33.8min W

Nominal Cycle Interval : 600.0 secs

Sensor Depth : 43.00m
Sea Floor Depth : 43.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 777/977/179

==========

Additional information stored with the data:

Station Start Bay, English Channel.
Clock lost 2 seconds over 57 days, 6.5 hours; the cycle interval and time values have been corrected.
Instrument characteristics and calibration factors
Aanderaa Current meter/Pressure recorder, logger 1507, sensor DIG 5/1

Original sampling interval	10 minutes
Integration period	600s
Temperature coefficient	0.508Hz/degC
Pressure sensitivity at 16degC	0.157Hz/cm
To convert pressure to elevation the following values should be used:	
Density	no CTD casts were taken
Gravitational acceleration constant	9.811m/s2

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

27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
27793; Aanderaa Current Meter/Pressure Recorder

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INFORMATION FOR BODC SERIES REF. NO. 33945

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Sea Floor Pressure Gauge Inventory Number : 6960

Start Time : 17 Oct 1977 1914 GMT
End Time : 25 Nov 1977 1544 GMT

Latitude : 53deg 45.8min N
Longitude : 004deg 07.0min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 48.00m
Sea Floor Depth : 48.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 778/977/290

==========

Additional information stored with the data:

Station D, Irish Sea.
No times noted on recovery; therefore no corrections made for clock error.

Instrument characteristics and calibration factors
Aanderaa Pressure Recorder Type TG-2A, serial number 64
Original sampling interval 15 minutes
Integration period 104s
No temperature correction made
Pressure sensitivity 0.1878Hz/cm
To convert pressure to elevation the following values should be used:
Density (estimated) 1026.881kg/m3
Gravitational acceleration constant 9.814m/s2

Three current meters were also deployed on this rig.

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

27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
27806; Aanderaa Pressure Recorder Type TG-2A and WLR-5
Data Activity Document : 31031

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INFORMATION FOR BODC SERIES REF. NO. 33957

==========

Sea Floor Pressure Gauge Inventory Number : 6961

Start Time : 25 Mar 1978 0822 GMT
End Time : 13 May 1978 0837 GMT

Latitude : 51deg 45.0min N
Longitude : 006deg 36.0min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 70.00m
Sea Floor Depth : 70.00m

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

Project : IOS Celtic Sea Experiment 1978

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 782/978/084

==========

Additional information stored with the data:

Station B, Celtic Sea.
On recovery instrument had stopped due to a flat battery, so no timings at the end of the record were available, hence no time corrections made.

Instrument characteristics and calibration factors
Aanderaa Current meter/Pressure recorder, logger 1747, sensor DIG 280

Original sampling interval	15 minutes
Integration period	900s
No temperature correction made	
Pressure sensitivity at 7.66degC	0.1525Hz/mb
To convert pressure to elevation the following values should be used:	
Density (from CTD casts)	1027.0Kg/m3
Gravitational acceleration constant	9.812m/s2

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

27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
27793; Aanderaa Current Meter/Pressure Recorder
Project Document : 27220

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INFORMATION FOR BODC SERIES REF. NO. 33969

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Sea Floor Pressure Gauge Inventory Number : 6975

Start Time : 01 Apr 1978 1114 GMT
End Time : 13 May 1978 1444 GMT

Latitude : 51deg 20.0min N
Longitude : 006deg 30.0min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 95.00m
Sea Floor Depth : 95.00m

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

Project : IOS Celtic Sea Experiment 1978

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 783/978/091

==========

Additional information stored with the data:

Station C, Irish Sea.
Clock gained 3 seconds over 76 days 2.25 hours; the cycles interval and time values have been corrected.

Instrument characteristics and calibration factors

Aanderaa Pressure Recorder Type TG-2A, serial number 64	
Original sampling interval	15 minutes
Integration period	104s
No temperature correction made	
Pressure sensitivity at 7.60degC	0.1746Hz/mb
To convert pressure to elevation the following values should be used:	
Density (from CTD casts)	1026.9kg/m3
Gravitational acceleration constant	9.812m/s2

A thermistor chain was incorporated on this rig.

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

27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
27806; Aanderaa Pressure Recorder Type TG-2A and WLR-5
Project Document : 27220

INFORMATION FOR BODC SERIES REF. NO. 33970

==========

Sea Floor Pressure Gauge Inventory Number : 6976

Start Time : 28 Mar 1978 0637 GMT
End Time : 21 Jul 1978 0237 GMT

Latitude : 50deg 35.0min N
Longitude : 006deg 10.0min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 91.30m
Sea Floor Depth : 91.30m

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

Project : IOS Celtic Sea Experiment 1978

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 784/978/087

==========

Additional information stored with the data:

Station D, Celtic Sea.
No timing scans on recovery. On previous deployments of this tide gauge in 1976 and 1977 suggested a clock gain of 0.01 seconds per hour. This gain has been assumed for this deployment also.

Instrument characteristics and calibration factors

OSTG Mk II, logger 02, sensor DIG DS 6/2	
Original sampling interval	15 minutes
Integration period	900s
Temperature coefficient	0.0mb/degC
Pressure sensitivity at 8.89degC	0.1545Hz/mb
To convert pressure to elevation the following values should be used:	
Density (from CTD casts)	1027.0kg/m3
Gravitational acceleration constant	9.811m/s2

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

27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
27762; Off-Shore Tide Gauge Mark II
Project Document : 27220

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INFORMATION FOR BODC SERIES REF. NO. 33982

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Sea Floor Pressure Gauge Inventory Number : 6977

Start Time : 30 Mar 1978 2022 GMT
End Time : 15 May 1978 0021 GMT
Latitude : 50deg 33.0min N
Longitude : 007deg 32.0min W

Nominal Cycle Interval : 900.0 secs
Sensor Depth : 108.00m
Sea Floor Depth : 108.00m

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

Project : IOS Celtic Sea Experiment 1978

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 786/978/089

==========

Additional information stored with the data:

Station F, Celtic Sea.
Clock gained 57 seconds over 70 days, 16.75 hours; the cycle interval and time values have been corrected.

Instrument characteristics and calibration factors

Teleost Pressure Recorder, sensor DIG, serial number 281	
Original sampling interval	15 minutes
Integration period	900s
Temperature coefficient	-0.242Hz/degC
Pressure sensitivity at 9.03degC	0.04271Hz/mb
To convert pressure to elevation the following values should be used:	
Density (from CTD casts)	1027.1kg/m3
Gravitational acceleration constant	9.811m/s2

Two current meters were also deployed on this rig.

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

27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
27840; Teleost Pressure Recorder
Project Document : 27220

INFORMATION FOR BODC SERIES REF. NO. 33994

==========

Sea Floor Pressure Gauge Inventory Number : 6962

Start Time : 20 Jul 1978 1422 GMT
End Time : 30 Aug 1978 0922 GMT

Latitude : 56deg 30.0min N
Longitude : 005deg 37.0min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 180.00m
Sea Floor Depth : 180.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Depth Datum : Chart reference

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 787/978/201

==========

Additional information stored with the data:

Station Loch Linnhe, Scotland.
Clock lost 23 seconds over 44 days 19 hours; the cycle interval and time values have been corrected.

Instrument characteristics and calibration factors

Teleost Pressure Recorder, sensor S/G, serial number 282	
Original sampling interval	15 minutes
Integration period	900s
Temperature coefficient	-0.107Hz/degC
Pressure sensitivity at 12degC	0.00820Hz/mb
To convert pressure to elevation the following values should be used:	
Density	no CTD casts
Gravitational acceleration constant	9.816m/s2

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

27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
27840; Teleost Pressure Recorder

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INFORMATION FOR BODC SERIES REF. NO. 34008

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Sea Floor Pressure Gauge Inventory Number : 6978

Start Time : 12 Aug 1979 1534 GMT
End Time : 23 Sep 1979 0819 GMT

Latitude : 55deg 51.6min N
Longitude : 005deg 44.5min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 104.00m
Sea Floor Depth : 104.00m

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

Project : IOS North Channel Experiment 1979

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 791/979/224

==========

Additional information stored with the data:

Station D, North Channel.
Clock gained 5 seconds over 67 days, 20.5 hours; the cycle interval and time values have been corrected.

Instrument characteristics and calibration factors
Aanderaa Current meter/Pressure recorder, logger 1750, sensor DIG 4132

Original sampling interval	15 minutes
Integration period	900s
No temperature correction made	
Pressure sensitivity at 15.88degC	0.123Hz/mb
To convert pressure to elevation the following values should be used:	
Density (from CTD casts)	1025.9kg/m3
Gravitational acceleration constant	9.816m/s2

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

27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
27793; Aanderaa Current Meter/Pressure Recorder
Project Document : 27217

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INFORMATION FOR BODC SERIES REF. NO. 34021

==========

Sea Floor Pressure Gauge Inventory Number : 6979

Start Time : 05 Aug 1979 0914 GMT
End Time : 22 Sep 1979 0944 GMT

Latitude : 54deg 57.7min N
Longitude : 005deg 35.7min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 157.00m
Sea Floor Depth : 157.00m

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

Project : IOS North Channel Experiment 1979

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 792/979/217

==========

Additional information stored with the data:

Station B, North Channel.
Clock gained 4 seconds over 54 days 5 hours; the cycle interval and time values have been corrected.

Instrument characteristics and calibration factors

Aanderaa Pressure Recorder Type TG-2A, serial number 64
Original sampling interval 15 minutes
Integration period 100s
No temperature correction made
Pressure sensitivity 6.110counts/mb
(at 11.66degC)
To convert pressure to elevation the following values should be used:
Density (from CTD casts) 1026.1kg/m3
Gravitational acceleration constant 9.815m/s2

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

27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
27806; Aanderaa Pressure Recorder Type TG-2A and WLR-5
Project Document : 27217

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INFORMATION FOR BODC SERIES REF. NO. 34033

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Sea Floor Pressure Gauge Inventory Number : 6980

Start Time : 06 Aug 1979 2122 GMT
End Time : 23 Sep 1979 1507 GMT
Latitude : 55deg 27.8min N
Longitude : 006deg 09.8min W

Nominal Cycle Interval : 900.0 secs
Sensor Depth : 108.00m
Sea Floor Depth : 108.00m

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

Project : IOS North Channel Experiment 1979

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 793/979/218

==========

Additional information stored with the data:

Station E, North Channel.
Clock gained 3 seconds over 62 days, 8.25 hours; the cycle interval and time values have been corrected.

Instrument characteristics and calibration factors

Teleost Pressure Recorder, sensor DIG, serial number 280	
Original sampling interval	15 minutes
Integration period	900s
Temperature coefficient	-0.927Hz/degC
Pressure sensitivity at 9.647degC	0.183Hz/mb
To convert pressure to elevation the following values should be used:	
Density (from CTD casts)	1026.05kg/m3
Gravitational acceleration constant	9.815m/s2

A current meter was deployed on this rig, 6m above the tide gauge.

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

27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
27840; Teleost Pressure Recorder
Project Document : 27217

INFORMATION FOR BODC SERIES REF. NO. 34045

==========

Sea Floor Pressure Gauge Inventory Number : 6981

Start Time : 08 Aug 1979 1507 GMT
End Time : 27 Sep 1979 0607 GMT

Latitude : 55deg 00.2min N
Longitude : 009deg 59.5min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 115.00m
Sea Floor Depth : 115.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 794/979/220

==========

Additional information stored with the data:

Station J, North Channel.
Clock gained 21 seconds over 66 days 7 hours; the cycles interval and time values have been corrected.

Instrument characteristics and calibration factors

Teleost Pressure Recorder, sensor DIG, serial number 284	
Original sampling interval	15 minutes
Integration period	900s
Temperature coefficient	-0.906Hz/degC
Pressure sensitivity at 12.46degC	0.0404Hz/mb
To convert pressure to elevation the following values should be used:	
Density (from CTD casts)	1027.0kg/m3
Gravitational acceleration constant	9.815m/s2

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

27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
27840; Teleost Pressure Recorder

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INFORMATION FOR BODC SERIES REF. NO. 34057

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Sea Floor Pressure Gauge Inventory Number : 6963

Start Time : 09 Aug 1979 0007 GMT
End Time : 27 Sep 1979 1122 GMT

Latitude : 55deg 14.6min N
Longitude : 010deg 43.0min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 2510.00m
Sea Floor Depth : 2510.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 795/979/221

==========

Additional information stored with the data:

Station K, North Channel.
Clock gained 14 seconds over 62 days, 20 hours; the cycle interval and time values have been corrected.

Instrument characteristics and calibration factors

Teleost Pressure Recorder, sensor DIG, serial number 282	
Original sampling interval	15 minutes
Integration period	900s
Temperature coefficient	-1.161Hz/degC
Pressure sensitivity at 1.995degC	0.0106Hz/mb
To convert pressure to elevation the following values should be used:	
Density (from CTD casts)	1027kg/m3
Gravitational acceleration constant	9.815m/s2

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

27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
27840; Teleost Pressure Recorder

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INFORMATION FOR BODC SERIES REF. NO. 34069

==========

Sea Floor Pressure Gauge Inventory Number : 6982

Start Time : 23 Aug 1979 1320 GMT
End Time : 21 Oct 1979 1105 GMT

Latitude : 55deg 05.0min N
Longitude : 007deg 10.0min E

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 29.00m
Sea Floor Depth : 29.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 796/979/235

==========

Additional information stored with the data:

Station B, German Bight.
Clock gained 15 seconds over 79 days 21.5 hours; the cycle interval and time values have been corrected.

Instrument characteristics and calibration factors
Aanderaa Current meter/Pressure recorder, logger 1747, sensor DIG 280

Original sampling interval	15 minutes
Integration period	900s
No temperature correction made	
Pressure sensitivity at 15.8degC	0.1493Hz/mb
To convert pressure to elevation the following values should be used:	
Density (from CTD casts)	1024kg/m3
Gravitational acceleration constant	9.815m/s2

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

27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
27793; Aanderaa Current Meter/Pressure Recorder

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INFORMATION FOR BODC SERIES REF. NO. 34070

==========

Sea Floor Pressure Gauge Inventory Number : 6983

Start Time : 23 Aug 1979 1646 GMT
End Time : 21 Oct 1979 0616 GMT

Latitude : 55deg 00.0min N
Longitude : 007deg 50.0min E

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 17.00m
Sea Floor Depth : 17.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 797/979/235

==========

Additional information stored with the data:

Station C, German Bight.
Clock lost 10 seconds over 82 days 23.75 hours; the cycles interval and time values have been corrected.

Instrument characteristics and calibration factors
Aanderaa Current meter/Pressure recorder, logger 1506, sensor DIG 275

Original sampling interval	15 minutes
Integration period	900s
Temperature coefficient	0.0mb/degC
Pressure sensitivity at 15.8degC	0.1284Hz/mb
To convert pressure to elevation the following values should be used:	
Density (from CTD casts)	1022.0kg/m3
Gravitational acceleration constant	9.815m/s2

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

27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
27793; Aanderaa Current Meter/Pressure Recorder

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INFORMATION FOR BODC SERIES REF. NO. 34082

==========

Sea Floor Pressure Gauge Inventory Number : 6928

Start Time : 01 Apr 1980 1307 GMT
End Time : 29 Apr 1980 1237 GMT

Latitude : 51deg 24.6min N
Longitude : 005deg 00.6min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 60.00m
Sea Floor Depth : 60.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 801/980/092

==========

Additional information stored with the data:

Station BC3, Bristol Channel.
Clock gained 18 seconds over 36 days, 0.25 hours; the cycle interval and time values have been corrected.

Instrument characteristics and calibration factors

Teleost Pressure Recorder, sensor S/G, serial number 281	
Original sampling interval	15 minutes
Integration period	900s
No temperature correction made	
Temperature coefficient	-0.495Hz/degC
Pressure sensitivity at 9.867degC	0.0780Hz/mb
To convert pressure to elevation the following values should be used:	
Density	1027kg/m3
Gravitational acceleration constant	9.812m/s2

On recovery mud was found on one side of the frame as if the rig had been held in mud. Density calculated from measured temperatures and a regional salinity of 35 parts per thousand.

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

27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
27840; Teleost Pressure Recorder

INFORMATION FOR BODC SERIES REF. NO. 34094

==========

Sea Floor Pressure Gauge Inventory Number : 6929

Start Time : 31 Mar 1980 1422 GMT
End Time : 28 Apr 1980 0852 GMT

Latitude : 50deg 55.1min N
Longitude : 004deg 59.9min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 59.00m
Sea Floor Depth : 59.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 802/980/091

==========

Additional information stored with the data:

Station BC4, Bristol Channel.
Clock gained 8 seconds over 35 days 20 hours; the cycle interval and time values have been corrected.

Instrument characteristics and calibration factors

Teleost Pressure Recorder, sensor S/G, serial number 284	
Original sampling interval	15 minutes
Integration period	900s
Temperature coefficient	-1.78Hz/degC
Pressure sensitivity at 9.867degC	0.0775Hz/mb
To convert pressure to elevation the following values should be used:	
Density (from CTD casts)	1027kg/m3
Gravitational acceleration constant	9.811m/s2

Density calculated from measured temperatures and a regional salinity of 35 parts per thousand.

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

27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
27840; Teleost Pressure Recorder

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INFORMATION FOR BODC SERIES REF. NO. 34101

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Sea Floor Pressure Gauge Inventory Number : 6930

Start Time : 28 Apr 1980 0822 GMT
End Time : 02 Jun 1980 0352 GMT

Latitude : 57deg 14.0min N
Longitude : 010deg 04.0min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 2118.00m
Sea Floor Depth : 2118.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 804/980/119

==========

Additional information stored with the data:

Station N, Anton Dohrn Seamount, Rockall.
Clock lost 22 seconds over 49 days 23 hours; the cycles interval and time values have been corrected.

Instrument characteristics and calibration factors

Teleost Pressure Recorder, serial number 285	
Original sampling interval	15 minutes
Integration period	884s
Temperature coefficient	-0.0393Hz/degC
Pressure sensitivity at 3.6276degC	0.0057Hz/mb
To convert pressure to elevation the following values should be used:	
Density (from CTD casts)	kg/m3
Gravitational acceleration constant	9.817m/s2

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

27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
27840; Teleost Pressure Recorder

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INFORMATION FOR BODC SERIES REF. NO. 34113

==========

Sea Floor Pressure Gauge Inventory Number : 6931

Start Time : 08 May 1980 0652 GMT
End Time : 18 Jun 1980 1407 GMT

Latitude : 51deg 20.3min N
Longitude : 003deg 06.2min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 4.70m
Sea Floor Depth : 4.70m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 805/980/129

==========

Additional information stored with the data:

Station Steepholme, Severn Estuary.
Clock gained 12 seconds over 69 days, 6.25 hours; the cycle interval and time values have been corrected.

Instrument characteristics and calibration factors

Teleost Pressure Recorder, sensor DIG, serial number 284	
Original sampling interval	15 minutes
Integration period	900s
Temperature coefficient	-3.28Hz/degC
Pressure sensitivity at 9.867degC	0.1027Hz/mb
To convert pressure to elevation the following values should be used:	
Density	1022.0kg/m3
Gravitational acceleration constant	9.812m/s2

A Danforth anchor with 18m of chain was deployed connected to the recorder box so that the rig was parallel to the ebb and flood tide. Inspection of the site at 1430 15 May revealed that the position of the recorder had moved about 15m to the east due to dragging when the buoys were removed. Density calculated from measured temperature and a salinity of 29 parts per thousand.

INFORMATION FOR BODC SERIES REF. NO. 34113 (continued)

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

27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
27840; Teleost Pressure Recorder

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INFORMATION FOR BODC SERIES REF. NO. 34125

==========

Sea Floor Pressure Gauge Inventory Number : 6932

Start Time : 08 May 1980 1907 GMT
End Time : 18 Jun 1980 1622 GMT

Latitude : 51deg 24.4min N
Longitude : 003deg 09.7min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 4.00m
Sea Floor Depth : 4.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 806/980/129

==========

Additional information stored with the data:

Station Lavernock Point, Severn Estuary.
Clock gained 20 seconds over 69 days 6.25 hours; the cycle interval and time values have been corrected.

Instrument characteristics and calibration factors

Teleost Pressure Recorder, sensor DIG, serial number 281	
Original sampling interval	15 minutes
Integration period	900s
Temperature coefficient	-0.625Hz/degC
Pressure sensitivity at 9.867degC	0.1247Hz/mb
To convert pressure to elevation the following values should be used:	
Density (from CTD casts)	1022.0kg/m3
Gravitational acceleration constant	9.812m/s2

A Danforth anchor with 18m of chain was deployed connected to the recorder box so that the rig was parallel to the ebb and flood tide. Density calculated from measured temperature and a salinity of 29 parts per thousand.

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

27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
27840; Teleost Pressure Recorder

INFORMATION FOR BODC SERIES REF. NO. 34137

==========

Sea Floor Pressure Gauge Inventory Number : 6933

Start Time : 31 Aug 1980 1037 GMT
End Time : 25 Oct 1980 1622 GMT

Latitude : 51deg 21.3min N
Longitude : 008deg 31.0min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 92.00m
Sea Floor Depth : 92.00m

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

Project : IOS Celtic Sea Experiment 1980

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 808/980/244

==========

Additional information stored with the data:

Station E, Celtic Sea.
Clock gained 21 seconds over 65 days 8.25 hours; the cycle interval and time values have been corrected.

Instrument characteristics and calibration factors

Teleost Pressure Recorder, sensor S/G, serial number 284
Original sampling interval 15 minutes
Integration period 900s
Temperature coefficient -1.254Hz/degC
Pressure sensitivity at 8.9106degC 0.0570Hz/mb
To convert pressure to elevation the following values should be used:
Density (from CTD casts) 1026.63kg/m3
Gravitational acceleration constant 9.812m/s2

Three current meters were also deployed on this mooring. Discontinuity of approximately 30 millibars between 1645h and 1700h 18 Sept 1980; tide gauge moved 30cm down and evidence from the current meters on the rig showed a decrease in pressure suggesting that the sub-surface buoy moved up lifting the anchor and dragging the tide gauge frame.

INFORMATION FOR BODC SERIES REF. NO. 34137 (continued)

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

27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
27840; Teleost Pressure Recorder
Project Document : 28542

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INFORMATION FOR BODC SERIES REF. NO. 34149

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Sea Floor Pressure Gauge Inventory Number : 6934

Start Time : 02 Sep 1980 1907 GMT
End Time : 20 Oct 1980 0737 GMT

Latitude : 50deg 31.7min N
Longitude : 007deg 36.7min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 110.00m
Sea Floor Depth : 110.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Depth Datum : Mean sea level

Project : IOS Celtic Sea Experiment 1980

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 809/980/246

==========

Additional information stored with the data:

Station F Celtic Sea.
Clock gained 3 seconds over 60 days, 0.25 hours; the cycle interval and time values have been corrected.

Instrument characteristics and calibration factors
Aanderaa Current meter/Pressure recorder, logger 1750, sensor DIG 4132

Original sampling interval	15 minutes
Integration period	900s
No temperature correction made	
Pressure sensitivity at 10.17degC	0.123Hz/mb
To convert pressure to elevation the following values should be used:	
Density (from CTD casts)	1026.61kg/m3
Gravitational acceleration constant	9.811m/s2

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

27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
27793; Aanderaa Current Meter/Pressure Recorder
Project Document : 28542

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INFORMATION FOR BODC SERIES REF. NO. 34174

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Sea Floor Pressure Gauge Inventory Number : 6937

Start Time : 06 May 1981 0622 GMT
End Time : 16 Jun 1981 1422 GMT

Latitude : 53deg 14.4min N
Longitude : 002deg 06.0min E

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 35.00m
Sea Floor Depth : 35.00m

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

Project : IOS North Sea Experiment 1981

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 814/981/126

==========

Additional information stored with the data:

Station B, North Sea.
Clock gained 4 seconds over 59 days, 22.75 hours; the cycle interval and time values have been corrected.

Instrument characteristics and calibration factors

Aanderaa Current meter/Pressure recorder, sensor DIG 4132	
Original sampling interval	15 minutes
Integration period	900s
Temperature coefficient	0.0mb/degC
Pressure sensitivity at 8.770degC	0.120Hz/mb

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

27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
27793; Aanderaa Current Meter/Pressure Recorder
Project Document : 28556

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INFORMATION FOR BODC SERIES REF. NO. 34186

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Sea Floor Pressure Gauge Inventory Number : 6972

Start Time : 07 May 1981 0859 GMT
End Time : 13 Jun 1981 1829 GMT
Latitude : 54deg 00.6min N
Longitude : 000deg 50.4min E

Nominal Cycle Interval : 900.0 secs
Sensor Depth : 48.00m
Sea Floor Depth : 48.00m

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

Project : IOS North Sea Experiment 1981

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 815/981/127

==========

Additional information stored with the data:

Station E, North Sea.
Clock lost 2 seconds over 54 days, 4.5 hours; the cycle interval and time values have been corrected.

Instrument characteristics and calibration factors

Aanderaa WLR-5 , sensor DIG, serial number	500
Original sampling interval	15 minutes
Integration period	100s
Pressure sensitivity	13.846counts/mb

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

27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
27806; Aanderaa Pressure Recorder Type TG-2A and WLR-5
Project Document : 28556

==========

INFORMATION FOR BODC SERIES REF. NO. 34198

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Sea Floor Pressure Gauge Inventory Number : 6938

Start Time : 07 May 1981 2022 GMT
End Time : 14 Jun 1981 0607 GMT

Latitude : 54deg 48.0min N
Longitude : 000deg 15.0min E

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 77.00m
Sea Floor Depth : 77.00m

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

Project : IOS North Sea Experiment 1981

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 816/981/127

==========

Additional information stored with the data:

Station H, North Sea.
Clock gained 20 seconds over 53 days, 9 hours; the cycle interval and time values have been corrected.

Instrument characteristics and calibration factors

Teleost Pressure Recorder, sensor S/G, serial number 281	
Original sampling interval	15 minutes
Integration period	900s
Temperature coefficient	-0.446Hz/degC
Pressure sensitivity	0.0847Hz/mb

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

27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
27840; Teleost Pressure Recorder
Project Document : 28556

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INFORMATION FOR BODC SERIES REF. NO. 34205

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Sea Floor Pressure Gauge Inventory Number : 6939

Start Time : 09 May 1981 0752 GMT
End Time : 15 Jun 1981 1522 GMT

Latitude : 55deg 35.0min N
Longitude : 000deg 45.6min E

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 75.00m
Sea Floor Depth : 75.00m

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

Project : IOS North Sea Experiment 1981

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 817/981/129

==========

Additional information stored with the data:

Station J, North Sea.
Clock lost 10 seconds over 53 days, 23.75 hours; the cycle interval and time values have been corrected.

Instrument characteristics and calibration factors

Teleost Pressure Recorder, sensor DIG, serial number 288	
Original sampling interval	15 minutes
Integration period	900s
Temperature coefficient	0.0mb/degC
Pressure sensitivity at 7.931degC	0.0598Hz/mb

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

27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
27840; Teleost Pressure Recorder
Project Document : 28556

==========

INFORMATION FOR BODC SERIES REF. NO. 34217

==========

Sea Floor Pressure Gauge Inventory Number : 6940

Start Time : 10 May 1981 0537 GMT
End Time : 18 Jun 1981 2052 GMT

Latitude : 55deg 19.6min N
Longitude : 000deg 32.7min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 70.00m
Sea Floor Depth : 70.00m

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

Project : IOS North Sea Experiment 1981

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 818/981/130

==========

Additional information stored with the data:

Station L, North Sea.
Clock gained 15 seconds over 53 days, 10.75 hours; the cycle interval and time values have been corrected.

Instrument characteristics and calibration factors

Teleost Pressure Recorder, sensor S/G, serial number 284	
Original sampling interval	15 minutes
Integration period	900s
Temperature coefficient	-1.803Hz/degC
Pressure sensitivity at 5.987degC	0.070Hz/mb

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

27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
27840; Teleost Pressure Recorder
Project Document : 28556

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INFORMATION FOR BODC SERIES REF. NO. 34229

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Sea Floor Pressure Gauge Inventory Number : 6941

Start Time : 11 May 1981 0752 GMT
End Time : 19 Jun 1981 1652 GMT

Latitude : 56deg 16.0min N
Longitude : 001deg 12.0min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 60.00m
Sea Floor Depth : 60.00m

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

Project : IOS North Sea Experiment 1981

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 819/981/131

==========

Additional information stored with the data:

Station P, North Sea.
Clock gained 17 seconds over 54 days, 3.5 hours; the cycle interval and time values have been corrected.

Instrument characteristics and calibration factors

Teleost Pressure Recorder, sensor DIG, serial number 287	
Original sampling interval	15 minutes
Integration period	900s
Temperature coefficient	0.0mb/degC
Pressure sensitivity at 5.987degC	0.1230Hz/mb

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

27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
27840; Teleost Pressure Recorder
Project Document : 28556

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INFORMATION FOR BODC SERIES REF. NO. 34230

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Sea Floor Pressure Gauge Inventory Number : 6964

Start Time : 07 Sep 1980 2157 GMT
End Time : 23 Oct 1980 0957 GMT

Latitude : 49deg 39.6min N
Longitude : 008deg 31.7min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 140.00m
Sea Floor Depth : 140.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Depth Datum : Mean sea level

Project : IOS Celtic Sea Experiment 1980

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 8010/980/251

==========

Additional information stored with the data:

Station G, Celtic Sea.
Clock lost 14 seconds over 49 days, 20.25 hours; the cycle interval and time values have been corrected.

Instrument characteristics and calibration factors
Aanderaa Current meter/Pressure recorder, logger 302, sensor DIG 4161

Original sampling interval	15 minutes
Integration period	900s
Temperature coefficient	0.0mb/degC
Pressure sensitivity at 10.08degC	0.12896Hz/mb
To convert pressure to elevation the following values should be used:	
Density (from CTD casts)	1026.51kg/m3
Gravitational acceleration constant	9.810m/s2

Discontinuity of approximately 70 millibars in pressure record between 0727h and 0743h 19 Oct 1980.

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

27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
27793; Aanderaa Current Meter/Pressure Recorder
Project Document : 28542

INFORMATION FOR BODC SERIES REF. NO. 34242

==========

Sea Floor Pressure Gauge Inventory Number : 6984

Start Time : 03 Sep 1980 1337 GMT
End Time : 24 Oct 1980 1007 GMT

Latitude : 50deg 31.0min N
Longitude : 009deg 49.0min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 130.00m
Sea Floor Depth : 130.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Depth Datum : Mean sea level

Project : IOS Celtic Sea Experiment 1980

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 8011/980/247

==========

Additional information stored with the data:

Station K, Celtic Sea.
Clock lost 4 seconds over 64 days, 6.5 hours; the cycle interval and time values have been corrected.

Instrument characteristics and calibration factors

Aanderaa Current meter/Pressure recorder, logger 1506, DIG 4143

Original sampling interval	15 minutes
Integration period	900s
Temperature coefficient	0.0mb/degC
Pressure sensitivity at 10.08degC	0.13380Hz/mb
To convert pressure to elevation the following values should be used:	
Density (from CTD casts)	1026.94kg/m3
Gravitational acceleration constant	9.811m/s2

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

27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
27793; Aanderaa Current Meter/Pressure Recorder
Project Document : 28542

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INFORMATION FOR BODC SERIES REF. NO. 34254

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Sea Floor Pressure Gauge Inventory Number : 6985

Start Time : 07 Sep 1980 1052 GMT
End Time : 21 Oct 1980 1707 GMT

Latitude : 48deg 47.7min N
Longitude : 007deg 01.4min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 125.00m
Sea Floor Depth : 125.00m

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

Project : IOS Celtic Sea Experiment 1980

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 8012/980/251

==========

Additional information stored with the data:

Station L, Celtic Sea.
Clock gained 19 seconds over 64 days, 0.75 hours; the cycle interval and time values have been corrected.

Instrument characteristics and calibration factors
Teleost Pressure Recorder, sensor S/G, serial number 281
Original sampling interval 15 minutes
Integration period 900s
Temperature coefficient -0.2507Hz/degC
Pressure sensitivity at 8.9106degC 0.0375Hz/mb
To convert pressure to elevation the following values should be used:
Density (from CTD casts) 1026.69kg/m3
Gravitational acceleration constant 9.810m/s2

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

27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
27840; Teleost Pressure Recorder
Project Document : 28542

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INFORMATION FOR BODC SERIES REF. NO. 34266

==========

Sea Floor Pressure Gauge Inventory Number : 6965

Start Time : 30 Aug 1980 2137 GMT
End Time : 25 Oct 1980 0607 GMT

Latitude : 51deg 08.4min N
Longitude : 009deg 47.8min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 117.00m
Sea Floor Depth : 117.00m

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

Project : IOS Celtic Sea Experiment 1980

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 8013/980/243

==========

Additional information stored with the data:

Station M, Celtic Sea.
Clock gained 16 seconds over 63 days, 22.5 hours; the cycle interval and time values have been corrected.

Instrument characteristics and calibration factors

Teleost Pressure Recorder, sensor DIG, serial number 287

Original sampling interval	15 minutes
Integration period	900s
Temperature coefficient	0.0mb/degC
Pressure sensitivity at 8.911degC	0.12518Hz/mb
To convert pressure to elevation the following values should be used:	
Density (from CTD casts)	1026.90kg/m3
Gravitational acceleration constant	9.812m/s2

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

27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
27840; Teleost Pressure Recorder
Project Document : 28542

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INFORMATION FOR BODC SERIES REF. NO. 34278

==========

Sea Floor Pressure Gauge Inventory Number : 6966

Start Time : 10 Aug 1980 1630 GMT
End Time : 24 Nov 1980 0530 GMT

Latitude : 34deg 12.8min N
Longitude : 028deg 54.6min W

Nominal Cycle Interval : 3600.0 secs

Sensor Depth : 3577.00m
Sea Floor Depth : 3577.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Depth Datum : Mean sea level

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 8014/980/223

==========

Additional information stored with the data:

Station A4, North Atlantic.
Sampling was every 30 minutes, alternate pressure and temperature readings. For the temperature correction, temperature was calculated as a mean of the two adjacent temperatures for each pressure frequency. Clock lost 34 seconds over 135 days, 14 hours; the cycle interval and time values have been corrected.

Instrument characteristics and calibration factors

Aanderaa Pressure Recorder TG-4A, sensor DIG, serial number 281
Original sampling interval 60 minutes
Integration period 27s
Temperature coefficient 21.68counts/degC
Pressure sensitivity 0.3086counts/mb
(at 0.964degC)
To convert pressure to elevation the following values should be used:
Density no CTD casts
Gravitational acceleration constant 9.797m/s2

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

27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
27823; Aanderaa Pressure Recorder Type TG-4A

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INFORMATION FOR BODC SERIES REF. NO. 34291

==========

Sea Floor Pressure Gauge Inventory Number : 6967

Start Time : 08 Aug 1980 1030 GMT
End Time : 06 Dec 1980 1729 GMT

Latitude : 43deg 06.3min N
Longitude : 035deg 11.1min W

Nominal Cycle Interval : 3600.0 secs

Sensor Depth : 3515.00m
Sea Floor Depth : 3515.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Depth Datum : Mean sea level

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 8015/980/221

==========

Additional information stored with the data:

Station A3, North Atlantic.
Sampling was every 30 minutes, alternate pressure and temperature readings. For temperature correction, temperature was calculated as a mean of the two adjacent temperatures for each pressure frequency. Clock gained 42 seconds over 137 days, 17.5 hours; the cycle interval and time values have been corrected.

Instrument characteristics and calibration factors

Aanderaa Pressure Recorder TG-4A, sensor DIG, serial number 282
Original sampling interval 60 minutes
Integration period 27s
Temperature coefficient 14.32counts/degC
Pressure sensitivity 0.3441counts/mb
(at 0.964degC)
To convert pressure to elevation the following values should be used:
Density no CTD casts
Gravitational acceleration constant 9.804m/s2

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

27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
27823; Aanderaa Pressure Recorder Type TG-4A

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INFORMATION FOR BODC SERIES REF. NO. 34309

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Sea Floor Pressure Gauge Inventory Number : 6968

Start Time : 05 Aug 1980 0837 GMT
End Time : 09 Dec 1980 1553 GMT
Latitude : 46deg 03.8min N
Longitude : 046deg 34.0min W

Nominal Cycle Interval : 900.0 secs
Sensor Depth : 525.00m
Sea Floor Depth : 525.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Depth Datum : Mean sea level

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 8016/980/218

==========

Additional information stored with the data:

Station A1, North Atlantic.
Clock lost 45 seconds over 139 days, 21 hours; the cycle interval and time values have been corrected.

Instrument characteristics and calibration factors

Teleost Pressure Recorder, sensor DIG 4957	
Original sampling interval	15 minutes
Integration period	900s
Temperature coefficient	0.152Hz/degC
Pressure sensitivity at 3.397degC	0.0738Hz/mb
To convert pressure to elevation the following values should be used:	
Density	no CTD casts
Gravitational acceleration constant	9.807m/s2

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

27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
27840; Teleost Pressure Recorder

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INFORMATION FOR BODC SERIES REF. NO. 34310

==========

Sea Floor Pressure Gauge Inventory Number : 6969

Start Time : 13 Aug 1980 0437 GMT
End Time : 13 Dec 1980 1306 GMT

Latitude : 43deg 01.5min N
Longitude : 021deg 51.6min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 2548.00m
Sea Floor Depth : 2548.00m

Positional Uncertainty : 0.1 to 0.5 n.miles
Depth Datum : Mean sea level

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 8017/980/226

==========

Additional information stored with the data:

Station A5, North Atlantic.
Clock gained 34 seconds over 132 days, 18.5 hours; the cycle interval and time values have been corrected.

Instrument characteristics and calibration factors

Teleost Pressure Recorder, sensor S/G, serial number 283	
Original sampling interval	15 minutes
Integration period	900s
Temperature coefficient	0.02Hz/degC
Pressure sensitivity at 2.293degC	0.0121Hz/mb
To convert pressure to elevation the following values should be used:	
Density	no CTD casts
Gravitational acceleration constant	9.804m/s2

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

27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
27840; Teleost Pressure Recorder

==========

INFORMATION FOR BODC SERIES REF. NO. 34322

==========

Sea Floor Pressure Gauge Inventory Number : 6970

Start Time : 23 Jul 1981 1352 GMT
End Time : 25 Sep 1981 1252 GMT

Latitude : 56deg 34.0min N
Longitude : 005deg 18.7min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 8.00m
Sea Floor Depth : 8.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 8110/981/204

==========

Additional information stored with the data:

Station Lower Loch, Loch Creran.
Clock gained 18 seconds over 72 days, 5.75 hours; the cycle interval and time values have been corrected.

Instrument characteristics and calibration factors
Teleost Pressure Recorder, sensor DIG, serial number 281
Original sampling interval 15 minutes
Integration period 900s
Temperature coefficient taken as zero
Pressure sensitivity at 12degC 0.1028Hz/mb
To convert pressure to elevation the following values should be used:
Density no CTD casts
Gravitational acceleration constant m/s2

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

27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
27840; Teleost Pressure Recorder

==========

INFORMATION FOR BODC SERIES REF. NO. 34334

==========

Sea Floor Pressure Gauge Inventory Number : 6971

Start Time : 23 Jul 1981 1322 GMT
End Time : 25 Sep 1981 1237 GMT

Latitude : 56deg 34.0min N
Longitude : 005deg 17.7min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 12.00m
Sea Floor Depth : 12.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : 8111/981/204

==========

Additional information stored with the data:

Station Upper Loch, Loch Creran
Clock gained 11 seconds over 72 days, 0.25 hours; the cycle interval and time values have been corrected.

Instrument characteristics and calibration factors
Teleost Pressure Recorder, sensor DIG, serial number 284
Original sampling interval 15 minutes
Integration period 900s
Temperature coefficient taken as zero
Pressure sensitivity at 11.34degC 0.0631Hz/mb
To convert pressure to elevation the following values should be used:
Density no CTD casts
Gravitational acceleration constant m/s2

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

27731; I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data
27840; Teleost Pressure Recorder

==========

INFORMATION FOR BODC SERIES REF. NO. 36734

==========

Sea Floor Pressure Gauge Inventory Number : 6986

Start Time : 10 Aug 1980 0000 GMT
End Time : 05 Dec 1980 2300 GMT

Latitude : 46deg 03.8min N
Longitude : 046deg 34.0min W

Nominal Cycle Interval : 3600.0 secs

Sensor Depth : 525.00m
Sea Floor Depth : 525.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : A1DP4/SMDFH0

==========

Additional information stored with the data:

Clock lost 240 seconds over 127 days 3 hours 7.5 minutes; the original cycle interval and time values have been corrected.
Instrument Characteristics
Station A1
OSTG Mark IV Sensors SG1/D12 (BODC Series Ref. 36734)
DQ662 (BODC Series Ref. 36746)
DQ2622 (BODC Series Ref. 36758)

Nominal sampling interval 225secs
Integration period 225secs
Actual sampling interval 225.001390secs

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

32414; I.O.S. Mk IV Pressure Recorder
32428; I.O.S. Data Processing of Off-Shore Pressure Recorder Data

==========

INFORMATION FOR BODC SERIES REF. NO. 36746

==========

Sea Floor Pressure Gauge Inventory Number : 6986

Start Time : 05 Aug 1980 1300 GMT
End Time : 09 Dec 1980 1200 GMT

Latitude : 46deg 03.8min N
Longitude : 046deg 34.0min W

Nominal Cycle Interval : 3600.0 secs

Sensor Depth : 525.00m
Sea Floor Depth : 525.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : A1DP5/SMDFH0

==========

Additional information stored with the data:

Clock lost 240 seconds over 127 days 3 hours 7.5 minutes; the original cycle interval and time values have been corrected.
Instrument Characteristics
Station A1
OSTG Mark IV Sensors SG1/D12 (BODC Series Ref. 36734)
DQ662 (BODC Series Ref. 36746)
DQ2622 (BODC Series Ref. 36758)

Nominal sampling interval 225secs
Integration period 225secs
Actual sampling interval 225.001390secs

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

32414; I.O.S. Mk IV Pressure Recorder
32428; I.O.S. Data Processing of Off-Shore Pressure Recorder Data

==========

INFORMATION FOR BODC SERIES REF. NO. 36758

==========

Sea Floor Pressure Gauge Inventory Number : 6986

Start Time : 10 Aug 1980 0000 GMT
End Time : 05 Dec 1980 2300 GMT

Latitude : 46deg 03.8min N
Longitude : 046deg 34.0min W

Nominal Cycle Interval : 3600.0 secs

Sensor Depth : 525.00m
Sea Floor Depth : 525.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : A1DP6/SMDFH0

==========

Additional information stored with the data:

Clock lost 240 seconds over 127 days 3 hours 7.5 minutes; the original cycle interval and time values have been corrected.
Instrument Characteristics
Station A1
OSTG Mark IV Sensors SG1/D12 (BODC Series Ref. 36734)
DQ662 (BODC Series Ref. 36746)
DQ2622 (BODC Series Ref. 36758)

Nominal sampling interval 225secs
Integration period 225secs
Actual sampling interval 225.001390secs

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

32414; I.O.S. Mk IV Pressure Recorder
32428; I.O.S. Data Processing of Off-Shore Pressure Recorder Data

==========

INFORMATION FOR BODC SERIES REF. NO. 36771

==========

Sea Floor Pressure Gauge Inventory Number : 6987

Start Time : 08 Aug 1980 1300 GMT
End Time : 06 Dec 1980 1300 GMT

Latitude : 43deg 06.4min N
Longitude : 035deg 11.1min W

Nominal Cycle Interval : 3600.0 secs

Sensor Depth : 3457.00m
Sea Floor Depth : 3457.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : A3DP4/SMDFH0

==========

Additional information stored with the data:

Clock lost 75 seconds over 121 days 13 hours 46.25 minutes;
the original cycle interval and time values have been corrected.
Instrument Characteristics
Station A3
OSTG Mark IV Sensors B+H3 (BODC Series Ref. 36771)

Nominal sampling interval 225secs
Integration period 225secs
Actual sampling interval 225.001821secs

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

32414; I.O.S. Mk IV Pressure Recorder
32428; I.O.S. Data Processing of Off-Shore Pressure Recorder Data

==========

INFORMATION FOR BODC SERIES REF. NO. 36783

==========

Sea Floor Pressure Gauge Inventory Number : 6988

Start Time : 05 Aug 1980 1159 GMT
End Time : 09 Dec 1980 1359 GMT

Latitude : 45deg 59.1min N
Longitude : 046deg 26.7min W

Nominal Cycle Interval : 3600.0 secs

Sensor Depth : 697.00m
Sea Floor Depth : 697.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : B1AP0/P.DFH0

==========

Additional information stored with the data:

Instrument samples every hour, 28 seconds before the hour, for 56 seconds. Clock gained 6 seconds over 123 days 2 hours 59 minutes 54 seconds; no correction made.
Instrument Characteristics
Station B1
Canadian Aanderaa (BODC Series Ref. 36783)

Nominal sampling interval 3600secs
Integration period 56secs

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

27823; Aanderaa Pressure Recorder Type TG-4A
32428; I.O.S. Data Processing of Off-Shore Pressure Recorder Data

==========

INFORMATION FOR BODC SERIES REF. NO. 36795

==========

Sea Floor Pressure Gauge Inventory Number : 6989

Start Time : 07 Aug 1980 0800 GMT
End Time : 07 Dec 1980 1800 GMT

Latitude : 44deg 29.4min N
Longitude : 040deg 30.0min W

Nominal Cycle Interval : 3600.0 secs

Sensor Depth : 2380.00m
Sea Floor Depth : 2380.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : B2AP0/P.DFH0

==========

Additional information stored with the data:

Instrument samples every hour, 28 seconds before the hour, for 56 seconds. Clock lost 4 seconds over 123 days 12 hours 0 minutes 4 seconds; no correction made.
Instrument Characteristics
Station B2
Canadian Aanderaa (BODC Series Ref. 36795)

Nominal sampling interval 3600secs
Integration period 56secs

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

27823; Aanderaa Pressure Recorder Type TG-4A
32428; I.O.S. Data Processing of Off-Shore Pressure Recorder Data

==========

INFORMATION FOR BODC SERIES REF. NO. 36802

==========

Sea Floor Pressure Gauge Inventory Number : 6990

Start Time : 14 Aug 1980 1200 GMT
End Time : 14 Dec 1980 1400 GMT

Latitude : 45deg 01.3min N
Longitude : 015deg 24.7min W

Nominal Cycle Interval : 3600.0 secs

Sensor Depth : 2830.00m
Sea Floor Depth : 2830.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : D11DP5/SMDFH

==========

Additional information stored with the data:

Clock lost 3 minutes 9 seconds over 123 days 5 hours 33 minutes 9 seconds; the original cycle interval and time values have been corrected.
Instrument Characteristics
Station D11
OSTG Mark IV channel 5 (BODC Series Ref. 36802)
6 (BODC Series Ref. 36814)

Nominal sampling interval 225secs
Integration period 225secs
Actual sampling interval 225.003962secs

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

32414; I.O.S. Mk IV Pressure Recorder
32428; I.O.S. Data Processing of Off-Shore Pressure Recorder Data

==========

INFORMATION FOR BODC SERIES REF. NO. 36814

==========

Sea Floor Pressure Gauge Inventory Number : 6990

Start Time : 14 Aug 1980 1200 GMT
End Time : 14 Dec 1980 2300 GMT

Latitude : 45deg 01.3min N
Longitude : 015deg 24.7min W

Nominal Cycle Interval : 3600.0 secs

Sensor Depth : 2830.00m
Sea Floor Depth : 2830.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : D11DP6/SMDFH

==========

Additional information stored with the data:

Clock lost 3 minutes 9 seconds over 123 days 5 hours 33 minutes 9 seconds; the original cycle interval and time values have been corrected.
Instrument Characteristics
Station D11
OSTG Mark IV channel 5 (BODC Series Ref. 36802)
6 (BODC Series Ref. 36814)

Nominal sampling interval 225secs
Integration period 225secs
Actual sampling interval 225.003962secs

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

32414; I.O.S. Mk IV Pressure Recorder
32428; I.O.S. Data Processing of Off-Shore Pressure Recorder Data

==========

INFORMATION FOR BODC SERIES REF. NO. 36851

==========

Sea Floor Pressure Gauge Inventory Number : 6993

Start Time : 01 Dec 1981 1300 GMT
End Time : 17 Mar 1982 0100 GMT

Latitude : 33deg 59.9min N
Longitude : 034deg 52.9min W

Nominal Cycle Interval : 3600.0 secs

Sensor Depth : 3066.00m
Sea Floor Depth : 3066.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : A6HP0/SMDFH0

==========

Additional information stored with the data:

Instrument integrates over 15 minutes at end of which data is logged. Clock gained 17 seconds over 108 days 19 hours 14 minutes 43 seconds; the original cycle interval and time values have been corrected.
Instrument Characteristics
Station A6

Teleost sensor 283/4	(BODC Series Ref. 36851)
Nominal sampling interval	900secs
Integration period	900secs
Actual sampling interval	14.999973mins

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

27840; Teleost Pressure Recorder
32428; I.O.S. Data Processing of Off-Shore Pressure Recorder Data

==========

INFORMATION FOR BODC SERIES REF. NO. 36863

==========

Sea Floor Pressure Gauge Inventory Number : 6994

Start Time : 05 Dec 1981 2100 GMT
End Time : 15 Mar 1982 1300 GMT

Latitude : 33deg 55.3min N
Longitude : 041deg 11.5min W

Nominal Cycle Interval : 3600.0 secs

Sensor Depth : 3372.00m
Sea Floor Depth : 3372.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : A7AP0/SMDFH0

==========

Additional information stored with the data:

Instrument integrates over 15 minutes at end of which data is logged. Clock lost 33 seconds over 102 days 19 hours 45 minutes 33 seconds; the original cycle interval and time values have been corrected.
Instrument Characteristics
Station A7(A)
Aanderaa 4A sensors 281/2 (BODC Series Ref. 36863)

Nominal sampling interval	900secs
Integration period	30secs
Actual sampling interval	15.000056mins

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

27823; Aanderaa Pressure Recorder Type TG-4A
32428; I.O.S. Data Processing of Off-Shore Pressure Recorder Data

==========

INFORMATION FOR BODC SERIES REF. NO. 36875

==========

Sea Floor Pressure Gauge Inventory Number : 6995

Start Time : 08 Dec 1981 1600 GMT
End Time : 14 Mar 1982 0200 GMT
Latitude : 26deg 34.6min N
Longitude : 043deg 57.5min W

Nominal Cycle Interval : 3600.0 secs
Sensor Depth : 3600.00m
Sea Floor Depth : 3600.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : G1DP5/SMDFH0

==========

Additional information stored with the data:

Clock lost 1 minute 11 seconds over 97 days 13 hours 34 minutes 56 seconds; the original cycle interval and time values have been corrected.
Instrument Characteristics
Station G1
OSTG Mark IV no. 3 Sensors SG2/D3 (BODC Series Ref. 36875)
DQ5997 (BODC Series Ref. 36887)

Nominal sampling interval 225secs
Integration period 225secs
Actual sampling interval 225.001895secs

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

32414; I.O.S. Mk IV Pressure Recorder
32428; I.O.S. Data Processing of Off-Shore Pressure Recorder Data

==========

INFORMATION FOR BODC SERIES REF. NO. 36887

==========

Sea Floor Pressure Gauge Inventory Number : 6995

Start Time : 08 Dec 1981 1600 GMT
End Time : 14 Mar 1982 0200 GMT

Latitude : 26deg 34.6min N
Longitude : 043deg 57.5min W

Nominal Cycle Interval : 3600.0 secs

Sensor Depth : 3600.00m
Sea Floor Depth : 3600.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : G1DP6/SMDFH0

==========

Additional information stored with the data:

Clock lost 1 minute 11 seconds over 97 days 13 hours 34 minutes 56 seconds; the original cycle interval and time values have been corrected.
Instrument Characteristics
Station G1
OSTG Mark IV no. 3 Sensors SG2/D3 (BODC Series Ref. 36875)
DQ5997 (BODC Series Ref. 36887)

Nominal sampling interval 225secs
Integration period 225secs
Actual sampling interval 225.001895secs

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

32414; I.O.S. Mk IV Pressure Recorder
32428; I.O.S. Data Processing of Off-Shore Pressure Recorder Data

==========

INFORMATION FOR BODC SERIES REF. NO. 36899

==========

Sea Floor Pressure Gauge Inventory Number : 6996

Start Time : 14 Dec 1981 0800 GMT
End Time : 11 Mar 1982 0600 GMT

Latitude : 14deg 42.4min N
Longitude : 048deg 50.4min W

Nominal Cycle Interval : 3600.0 secs

Sensor Depth : 3527.00m
Sea Floor Depth : 3527.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : G3DP5/SMDFH0

==========

Additional information stored with the data:

Clock lost 1 minute 3 seconds over 89 days 20 hours 19 minutes 3 seconds; the original cycle interval and time values have been corrected.
Instrument Characteristics
Station G3
OSTG Mark IV no. 5 Sensors B+H4 (BODC Series Ref. 36899)
DQ2291 (BODC Series Ref. 36906)

Nominal sampling interval 225secs
Integration period 225secs
Actual sampling interval 225.001826secs

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

32414; I.O.S. Mk IV Pressure Recorder
32428; I.O.S. Data Processing of Off-Shore Pressure Recorder Data

==========

INFORMATION FOR BODC SERIES REF. NO. 36906

==========

Sea Floor Pressure Gauge Inventory Number : 6996

Start Time : 14 Dec 1981 0800 GMT
End Time : 11 Mar 1982 0600 GMT

Latitude : 14deg 42.4min N
Longitude : 048deg 50.4min W

Nominal Cycle Interval : 3600.0 secs

Sensor Depth : 3527.00m
Sea Floor Depth : 3527.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : G3DP6/SMDFH0

==========

Additional information stored with the data:

Clock lost 1 minute 3 seconds over 89 days 20 hours 19 minutes 3 seconds; the original cycle interval and time values have been corrected.
Instrument Characteristics
Station G3
OSTG Mark IV no. 5 Sensors B+H4 (BODC Series Ref. 36899)
DQ2291 (BODC Series Ref. 36906)

Nominal sampling interval 225secs
Integration period 225secs
Actual sampling interval 225.001826secs

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

32414; I.O.S. Mk IV Pressure Recorder
32428; I.O.S. Data Processing of Off-Shore Pressure Recorder Data

==========

INFORMATION FOR BODC SERIES REF. NO. 36918

==========

Sea Floor Pressure Gauge Inventory Number : 6997

Start Time : 15 Dec 1981 1600 GMT
End Time : 10 Mar 1982 0000 GMT

Latitude : 09deg 59.1min N
Longitude : 050deg 31.1min W

Nominal Cycle Interval : 3600.0 secs

Sensor Depth : 4850.00m
Sea Floor Depth : 4850.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : G4HP0/SMDFH0

==========

Additional information stored with the data:

Clock gained 1 minute 33 seconds over 85 days 21 hours 58 minutes 27 seconds; the original cycle interval and time values have been corrected.
Instrument Characteristics
Station G4(H)
Teleost Sensor 286/4 (BODC Series Ref. 36918)

Nominal sampling interval	900secs
Integration period	900secs
Actual sampling interval	14.999812mins

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

27840; Teleost Pressure Recorder
32428; I.O.S. Data Processing of Off-Shore Pressure Recorder Data

==========

INFORMATION FOR BODC SERIES REF. NO. 36931

==========

Sea Floor Pressure Gauge Inventory Number : 6998

Start Time : 16 Dec 1981 1100 GMT
End Time : 09 Mar 1982 0300 GMT

Latitude : 06deg 59.6min N
Longitude : 051deg 33.3min W

Nominal Cycle Interval : 3600.0 secs

Sensor Depth : 3764.00m
Sea Floor Depth : 3764.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : G5DP5/SMDFH0

==========

Additional information stored with the data:

Clock lost 3 minutes 1 second over 80 days 23 hours 18 minutes 1 second; the original cycle interval and time values have been corrected.
Instrument Characteristics
Station G5
OSTG Mark IV no. 6 Sensors B+H3 (BODC Series Ref. 36931)
DQ8082 (BODC Series Ref. 36943)

Nominal sampling interval 225secs
Integration period 225secs
Actual sampling interval 225.005613secs

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

32414; I.O.S. Mk IV Pressure Recorder
32428; I.O.S. Data Processing of Off-Shore Pressure Recorder Data

==========

INFORMATION FOR BODC SERIES REF. NO. 36943

==========

Sea Floor Pressure Gauge Inventory Number : 6998

Start Time : 16 Dec 1981 1100 GMT
End Time : 09 Mar 1982 0300 GMT

Latitude : 06deg 59.6min N
Longitude : 051deg 33.3min W

Nominal Cycle Interval : 3600.0 secs

Sensor Depth : 3764.00m
Sea Floor Depth : 3764.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : G5DP6/SMDFH0

==========

Additional information stored with the data:

Clock lost 3 minutes 1 second over 80 days 23 hours 18 minutes 1 second; the original cycle interval and time values have been corrected.
Instrument Characteristics
Station G5
OSTG Mark IV no. 6 Sensors B+H3 (BODC Series Ref. 36931)
DQ8082 (BODC Series Ref. 36943)

Nominal sampling interval 225secs
Integration period 225secs
Actual sampling interval 225.005613secs

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

32414; I.O.S. Mk IV Pressure Recorder
32428; I.O.S. Data Processing of Off-Shore Pressure Recorder Data

==========

INFORMATION FOR BODC SERIES REF. NO. 36955

==========

Sea Floor Pressure Gauge Inventory Number : 6999

Start Time : 17 Jun 1981 0000 GMT
End Time : 17 Jul 1981 0500 GMT

Latitude : 26deg 18.0min S
Longitude : 047deg 30.6min W

Nominal Cycle Interval : 3600.0 secs

Sensor Depth : 74.00m
Sea Floor Depth : 74.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : PASP5/DFSMH0

==========

Additional information stored with the data:

Clock lost 29 seconds over 62 days 0 hours 0 minutes 29 seconds; the original cycle interval and time values have been corrected.
Instrument Characteristics
Station PA
OSTG Mark I Sensors SG1/12A (BODC Series Ref. 36955)
SG1/16 (BODC Series Ref. 36967)

Nominal sampling interval 900secs
Integration period 890secs
Actual sampling interval 15.000162mins

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

27728; Off-Shore Tide Gauge Type I
32428; I.O.S. Data Processing of Off-Shore Pressure Recorder Data

==========

INFORMATION FOR BODC SERIES REF. NO. 36967

==========

Sea Floor Pressure Gauge Inventory Number : 6999

Start Time : 17 Jun 1981 0000 GMT
End Time : 17 Jul 1981 0500 GMT

Latitude : 26deg 18.0min S
Longitude : 047deg 30.6min W

Nominal Cycle Interval : 3600.0 secs

Sensor Depth : 74.00m
Sea Floor Depth : 74.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : PASP6/DFSMH0

==========

Additional information stored with the data:

Clock lost 29 seconds over 62 days 0 hours 0 minutes 29 seconds; the original cycle interval and time values have been corrected.
Instrument Characteristics
Station PA
OSTG Mark I Sensors SG1/12A (BODC Series Ref. 36955)
SG1/16 (BODC Series Ref. 36967)

Nominal sampling interval 900secs
Integration period 890secs
Actual sampling interval 15.000162mins

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

27728; Off-Shore Tide Gauge Type I
32428; I.O.S. Data Processing of Off-Shore Pressure Recorder Data

==========

INFORMATION FOR BODC SERIES REF. NO. 36979

==========

Sea Floor Pressure Gauge Inventory Number : 7000

Start Time : 15 Dec 1980 0000 GMT
End Time : 21 Jul 1981 0500 GMT

Latitude : 44deg 56.5min N
Longitude : 015deg 34.6min W

Nominal Cycle Interval : 3600.0 secs

Sensor Depth : 3164.00m
Sea Floor Depth : 3164.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : Y1DP4/SMDFH0

==========

Additional information stored with the data:

Clock lost 133 seconds over 226 days 17 hours 47 minutes 13 seconds; the original cycle interval and time values have been corrected.
Instrument Characteristics
Station Y1
OSTG Mark IV no. 1 Sensors B+H3 (BODC Series Ref. 36979)
DQ3845 (BODC Series Ref. 36980)

Nominal sampling interval 450secs
Integration period 450secs
Actual sampling interval 7.500051mins

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

32414; I.O.S. Mk IV Pressure Recorder
32428; I.O.S. Data Processing of Off-Shore Pressure Recorder Data

==========

INFORMATION FOR BODC SERIES REF. NO. 36980

==========

Sea Floor Pressure Gauge Inventory Number : 7000

Start Time : 15 Dec 1980 0500 GMT
End Time : 21 Jul 1981 0500 GMT

Latitude : 44deg 56.5min N
Longitude : 015deg 34.6min W

Nominal Cycle Interval : 3600.0 secs

Sensor Depth : 3164.00m
Sea Floor Depth : 3164.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : Y1DP5/SMDFH0

==========

Additional information stored with the data:

Clock lost 133 seconds over 226 days 17 hours 47 minutes 13 seconds; the original cycle interval and time values have been corrected.
Instrument Characteristics
Station Y1
OSTG Mark IV no. 1 Sensors B+H3 (BODC Series Ref. 36979)
DQ3845 (BODC Series Ref. 36980)

Nominal sampling interval 450secs
Integration period 450secs
Actual sampling interval 7.500051mins

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

32414; I.O.S. Mk IV Pressure Recorder
32428; I.O.S. Data Processing of Off-Shore Pressure Recorder Data

==========

INFORMATION FOR BODC SERIES REF. NO. 36992

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Sea Floor Pressure Gauge Inventory Number : 7001

Start Time : 11 Dec 1981 1400 GMT
End Time : 12 Mar 1982 0700 GMT

Latitude : 19deg 00.4min N
Longitude : 047deg 30.6min W

Nominal Cycle Interval : 3600.0 secs

Sensor Depth : 3470.00m
Sea Floor Depth : 3470.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : G2DP6/SMDFH0

==========

Additional information stored with the data:

Clock lost 39 seconds over 93 days 13 hours 11 minutes 54 seconds; the original cycle interval and time values have been corrected.
Instrument Characteristics
Station G2
OSTG Mark IV no. 4 Sensor DQ5996 (BODC Series Ref. 36992)

Nominal sampling interval 225secs
Integration period 225secs
Actual sampling interval 225.001086secs

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

32414; I.O.S. Mk IV Pressure Recorder
32428; I.O.S. Data Processing of Off-Shore Pressure Recorder Data

==========

INFORMATION FOR BODC SERIES REF. NO. 37006

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Sea Floor Pressure Gauge Inventory Number : 7002

Start Time : 11 Dec 1981 1600 GMT
End Time : 12 Mar 1982 0400 GMT

Latitude : 19deg 00.4min N
Longitude : 047deg 30.6min W

Nominal Cycle Interval : 3600.0 secs

Sensor Depth : 3470.00m
Sea Floor Depth : 3470.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : G2AP0/SMDFH0

==========

Additional information stored with the data:

Instrument samples pressure and temperature alternately, therefore interval between 2 consecutive pressure values is 30 minutes. Clock gained 27 seconds over 94 days 15 hours 0 minutes 3 seconds; the original cycle interval and time values have been corrected.
Station G2(A)
Aanderaa 4A (BODC Series Ref. 37006)

Nominal sampling interval 1800secs
Integration period 30secs
Actual sampling interval 29.999901mins

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

27823; Aanderaa Pressure Recorder Type TG-4A
32428; I.O.S. Data Processing of Off-Shore Pressure Recorder Data

==========

INFORMATION FOR BODC SERIES REF. NO. 37018

==========

Sea Floor Pressure Gauge Inventory Number : 7003

Start Time : 20 Jun 1981 2100 GMT
End Time : 13 Jul 1981 0900 GMT

Latitude : 18deg 02.5min S
Longitude : 036deg 08.3min W

Nominal Cycle Interval : 3600.0 secs

Sensor Depth : 152.00m
Sea Floor Depth : 152.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : HBSP6/DFSMH0

==========

Additional information stored with the data:

Artificial mean taken as 0mbar. Clock lost 63 seconds over 23 days 6 hours 16 minutes 3 seconds; the original cycle interval and time values have been corrected.
Instrument Characteristics
Station HB
OSTG Mark I no. 2 Sensors SG1/19 (BODC Series Ref. 37018)
SG1/21 (BODC Series Ref. 37031)

Nominal sampling interval 900secs
Integration period 890secs
Actual sampling interval 15.00047mins

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

27728; Off-Shore Tide Gauge Type I
32428; I.O.S. Data Processing of Off-Shore Pressure Recorder Data

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INFORMATION FOR BODC SERIES REF. NO. 37031

==========

Sea Floor Pressure Gauge Inventory Number : 7003

Start Time : 20 Jun 1981 2100 GMT
End Time : 13 Jul 1981 0900 GMT

Latitude : 18deg 02.5min S
Longitude : 036deg 08.3min W

Nominal Cycle Interval : 3600.0 secs

Sensor Depth : 152.00m
Sea Floor Depth : 152.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : HBSP7/DFSMH0

==========

Additional information stored with the data:

Artificial mean taken as 0mbar. Clock lost 63 seconds over 23 days 6 hours 16 minutes 3 seconds; the original cycle interval and time values have been corrected.
Instrument Characteristics
Station HB
OSTG Mark I no. 2 Sensors SG1/19 (BODC Series Ref. 37018)
SG1/21 (BODC Series Ref. 37031)

Nominal sampling interval 900secs
Integration period 890secs
Actual sampling interval 15.00047mins

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

27728; Off-Shore Tide Gauge Type I
32428; I.O.S. Data Processing of Off-Shore Pressure Recorder Data

==========

INFORMATION FOR BODC SERIES REF. NO. 37725

==========

Sea Floor Pressure Gauge Inventory Number : 7009

Start Time : 21 Jul 1970 1052 GMT
End Time : 19 Aug 1970 1036 GMT

Latitude : 56deg 55.1min N
Longitude : 008deg 35.2min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 137.00m
Sea Floor Depth : 137.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : POS13JUL70

==========

Additional information stored with the data:

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 2

1. Because the pressure is integrated over 890 seconds and then logged, the time value assigned to a data cycle has been chosen as the mid-point between the start and end of each integration period.
2. Instrumental drift and depth have been removed, thus a drift free series is produced with an artificial mean value.

Clock gained 32 seconds over 29 days 11 hours 14 minutes 28 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station 13
OSTG Mk I no. 4

Nominal sampling interval	900secs
Integration period	890secs
Actual sampling interval	14.99980mins

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

27728; Off-Shore Tide Gauge Type I

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INFORMATION FOR BODC SERIES REF. NO. 37737

==========

Sea Floor Pressure Gauge Inventory Number : 7004

Start Time : 01 Mar 1971 1622 GMT
End Time : 31 Mar 1971 1606 GMT

Latitude : 58deg 02.0min N
Longitude : 008deg 35.0min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 130.00m
Sea Floor Depth : 130.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : POS1MAR71

==========

Additional information stored with the data:

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 2

1. Because the pressure is integrated over 890 seconds and then logged, the time value assigned to a data cycle has been chosen as the mid-point between the start and end of each integration period.
2. Instrumental drift and depth have been removed, thus a drift free series is produced with an artificial mean value.

Clock gained 40 seconds over 35 days 14 hours 14 minutes 20 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station 1
OSTG Mark I no. 4

Nominal sampling interval	900secs
Integration period	890secs
Actual sampling interval	14.99980mins

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

27728; Off-Shore Tide Gauge Type I

==========

INFORMATION FOR BODC SERIES REF. NO. 37749

==========

Sea Floor Pressure Gauge Inventory Number : 7011

Start Time : 12 Aug 1971 0757 GMT
End Time : 11 Sep 1971 1708 GMT

Latitude : 58deg 47.0min N
Longitude : 007deg 30.0min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 110.00m
Sea Floor Depth : 110.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : POS2AUG71

==========

Additional information stored with the data:

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 2

1. Because the pressure is integrated over 890 seconds and then logged, the time value assigned to a data cycle has been chosen as the mid-point between the start and end of each integration period.
2. Instrumental drift and depth have been removed, thus a drift free series is produced with an artificial mean value.

Clock gained 3 minutes 31 seconds over 30 days 22 hours 42 minutes 29 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station 2
OSTG Mark I no. 5

Nominal sampling interval	900secs
Integration period	890secs
Actual sampling interval	14.99880mins

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

27728; Off-Shore Tide Gauge Type I
Data Activity Document : 63724

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INFORMATION FOR BODC SERIES REF. NO. 37750

==========

Sea Floor Pressure Gauge Inventory Number : 7005

Start Time : 02 Mar 1971 1752 GMT
End Time : 25 Mar 1971 0837 GMT

Latitude : 58deg 47.0min N
Longitude : 007deg 30.0min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 110.00m
Sea Floor Depth : 110.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : POS2MAR71

==========

Additional information stored with the data:

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 2

1. Because the pressure is integrated over 890 seconds and then logged, the time value assigned to a data cycle has been chosen as the mid-point between the start and end of each integration period.
2. Instrumental drift and depth have been removed, thus a drift free series is produced with an artificial mean value.

Clock gained 21 seconds over 29 days 23 hours 44 minutes 39 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station 2
OSTG Mark I no. 2

Nominal sampling interval	900secs
Integration period	890secs
Actual sampling interval	14.99990mins

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

27728; Off-Shore Tide Gauge Type I

==========

INFORMATION FOR BODC SERIES REF. NO. 37762

==========

Sea Floor Pressure Gauge Inventory Number : 7006

Start Time : 13 Aug 1971 0507 GMT
End Time : 12 Sep 1971 0451 GMT

Latitude : 59deg 29.5min N
Longitude : 006deg 21.4min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 188.00m
Sea Floor Depth : 188.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : POS3AUG71

==========

Additional information stored with the data:

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 2

1. Because the pressure is integrated over 890 seconds and then logged, the time value assigned to a data cycle has been chosen as the mid-point between the start and end of each integration period.
2. Instrumental drift and depth have been removed, thus a drift free series is produced with an artificial mean value.

Clock gained 33 seconds over 30 days 17 hours 29 minutes 27 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station 3
OSTG Mark I no. 4

Nominal sampling interval	900secs
Integration period	890secs
Actual sampling interval	14.99980mins

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

27728; Off-Shore Tide Gauge Type I
Data Activity Document : 63724

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INFORMATION FOR BODC SERIES REF. NO. 37774

==========

Sea Floor Pressure Gauge Inventory Number : 7007

Start Time : 14 Aug 1971 0057 GMT
End Time : 23 Aug 1971 0812 GMT

Latitude : 59deg 45.8min N
Longitude : 004deg 38.9min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 104.00m
Sea Floor Depth : 104.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : POS4AUG71

==========

Additional information stored with the data:

On recovery the tape was jammed; therefore no timing checks were made.
Station 4
OSTG Mk I no. 2
Nominal sampling interval 900secs
Integration period 890secs

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 2

1. Because the pressure is integrated over 890 seconds and then logged, the time value assigned to a data cycle has been chosen as the mid-point between the start and end of each integration period.
2. Instrumental drift and depth have been removed, thus a drift free series is produced with an artificial mean value.

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

27728; Off-Shore Tide Gauge Type I
Data Activity Document : 63724

==========

INFORMATION FOR BODC SERIES REF. NO. 37786

==========

Sea Floor Pressure Gauge Inventory Number : 7008

Start Time : 14 Aug 1971 0707 GMT
End Time : 13 Sep 1971 0651 GMT

Latitude : 59deg 59.9min N
Longitude : 002deg 57.7min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 90.00m
Sea Floor Depth : 90.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : POS5AUG71

==========

Additional information stored with the data:

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 2

1. Because the pressure is integrated over 890 seconds and then logged, the time value assigned to a data cycle has been chosen as the mid-point between the start and end of each integration period.
2. Instrumental drift and depth have been removed, thus a drift free series is produced with an artificial mean value.

Clock gained 53 seconds over 30 days 11 hours 59 minutes 7 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station 5
OSTG Mark I no. 3

Nominal sampling interval	900secs
Integration period	890secs
Actual sampling interval	14.99970mins

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

27728; Off-Shore Tide Gauge Type I
Data Activity Document : 63724

==========

INFORMATION FOR BODC SERIES REF. NO. 37798

==========

Sea Floor Pressure Gauge Inventory Number : 7010

Start Time : 19 Jul 1970 1822 GMT
End Time : 12 Aug 1970 1409 GMT

Latitude : 56deg 00.4min N
Longitude : 008deg 35.1min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 138.00m
Sea Floor Depth : 138.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : POS14JUL70

==========

Additional information stored with the data:

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 2

1. Because the pressure is integrated over 890 seconds and then logged, the time value assigned to a data cycle has been chosen as the mid-point between the start and end of each integration period.
2. Instrumental drift and depth have been removed, thus a drift free series is produced with an artificial mean value.

Clock lost 1 minute 53 seconds over 29 days 9 hours 1 minute 53 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station 14
OSTG Mk I no. 1

Nominal sampling interval	900secs
Integration period	890secs
Actual sampling interval	15.00070mins

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

27728; Off-Shore Tide Gauge Type I

==========

INFORMATION FOR BODC SERIES REF. NO. 40862

==========

Sea Floor Pressure Gauge Inventory Number : 7012

Start Time : 03 Oct 1969 1315 GMT
End Time : 08 Nov 1969 0930 GMT

Latitude : 47deg 40.1min N
Longitude : 007deg 14.8min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 165.00m
Sea Floor Depth : 165.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : C1SP1/PDFH4

==========

Additional information stored with the data:

No timing correction applied; nominal sampling interval used.
Instrument Characteristics
Station C1
OSTG Mark I Channel 1 (BODC Series Ref. 40862)
2 (BODC Series Ref. 40874)

Nominal sampling interval 900 seconds
Integration period 890 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

INFORMATION FOR BODC SERIES REF. NO. 40862 (continued)

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

27728; Off-Shore Tide Gauge Type I

==========

INFORMATION FOR BODC SERIES REF. NO. 40874

==========

Sea Floor Pressure Gauge Inventory Number : 7012

Start Time : 03 Oct 1969 1315 GMT
End Time : 08 Nov 1969 0930 GMT

Latitude : 47deg 40.1min N
Longitude : 007deg 14.8min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 165.00m
Sea Floor Depth : 165.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : C1SP2/PDFH4

==========

Additional information stored with the data:

No timing correction applied; nominal sampling interval used.
Instrument Characteristics
Station C1
OSTG Mark I Channel 1 (BODC Series Ref. 40862)
2 (BODC Series Ref. 40874)

Nominal sampling interval 900 seconds
Integration period 890 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

INFORMATION FOR BODC SERIES REF. NO. 40874 (continued)

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

27728; Off-Shore Tide Gauge Type I

==========

INFORMATION FOR BODC SERIES REF. NO. 40886

==========

Sea Floor Pressure Gauge Inventory Number : 7013

Start Time : 03 Nov 1974 1652 GMT
End Time : 21 Nov 1974 2222 GMT

Latitude : 48deg 09.9min N
Longitude : 008deg 20.1min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 267.00m
Sea Floor Depth : 267.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : C2SP10/PDFH4

==========

Additional information stored with the data:

Clock gained 11 seconds over 18 days 5 hours 29 minutes 49 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station C2
OSTG Mark I, number 10 Sensors OSC 1/17 (BODC Series Ref. 40886)
OSC 1/19 (BODC Series Ref. 40898)

Nominal sampling interval 900 seconds
Integration period 890 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

INFORMATION FOR BODC SERIES REF. NO. 40886 (continued)

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

27728; Off-Shore Tide Gauge Type I

==========

INFORMATION FOR BODC SERIES REF. NO. 40898

==========

Sea Floor Pressure Gauge Inventory Number : 7013

Start Time : 03 Nov 1974 1652 GMT
End Time : 21 Nov 1974 2222 GMT

Latitude : 48deg 09.9min N
Longitude : 008deg 20.1min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 267.00m
Sea Floor Depth : 267.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : C2SP11/PDFH4

==========

Additional information stored with the data:

Clock gained 11 seconds over 18 days 5 hours 29 minutes 49 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station C2
OSTG Mark I, number 10 Sensors OSC 1/17 (BODC Series Ref. 40886)
OSC 1/19 (BODC Series Ref. 40898)

Nominal sampling interval 900 seconds
Integration period 890 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

INFORMATION FOR BODC SERIES REF. NO. 40898 (continued)

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

27728; Off-Shore Tide Gauge Type I

==========

INFORMATION FOR BODC SERIES REF. NO. 40905

==========

Sea Floor Pressure Gauge Inventory Number : 7014

Start Time : 04 Sep 1975 2252 GMT
End Time : 29 Sep 1975 1208 GMT

Latitude : 48deg 36.8min N
Longitude : 009deg 40.9min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 198.00m
Sea Floor Depth : 198.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : C3SP10/PDFH4

==========

Additional information stored with the data:

Clock lost 35 seconds over 24 days 13 hours 15 minutes 35 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station C3
OSTG Mark I, number 14 Sensors SG 1/23 (BODC Series Ref. 40905)
FM 5046/1 (BODC Series Ref. 40917)

Nominal sampling interval 900 seconds
Integration period 890 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

INFORMATION FOR BODC SERIES REF. NO. 40905 (continued)

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

27728; Off-Shore Tide Gauge Type I

==========

INFORMATION FOR BODC SERIES REF. NO. 40917

==========

Sea Floor Pressure Gauge Inventory Number : 7014

Start Time : 04 Sep 1975 2252 GMT
End Time : 29 Sep 1975 1208 GMT

Latitude : 48deg 36.8min N
Longitude : 009deg 40.9min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 198.00m
Sea Floor Depth : 198.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : C3SP11/PDFH4

==========

Additional information stored with the data:

Clock lost 35 seconds over 24 days 13 hours 15 minutes 35 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station C3
OSTG Mark I, number 14 Sensors SG 1/23 (BODC Series Ref. 40905)
FM 5046/1 (BODC Series Ref. 40917)

Nominal sampling interval 900 seconds
Integration period 890 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

INFORMATION FOR BODC SERIES REF. NO. 40917 (continued)

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

27728; Off-Shore Tide Gauge Type I

==========

INFORMATION FOR BODC SERIES REF. NO. 40929

==========

Sea Floor Pressure Gauge Inventory Number : 7015

Start Time : 05 Sep 1975 1422 GMT
End Time : 29 Sep 1975 2307 GMT

Latitude : 49deg 01.6min N
Longitude : 010deg 58.3min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 203.00m
Sea Floor Depth : 203.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : C4BP1/PDFH4

==========

Additional information stored with the data:

Clock lost 6 seconds over 24 days 8 hours 45 minutes 6 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station C4
OSTG Mark II, number 5 Sensors OAR 4/2 (BODC Series Ref. 40929)
Vib 1/5 (BODC Series Ref. 33795)
SG 2/3 no data returned

Nominal sampling interval 900 seconds
Integration period 900 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

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

27762; Off-Shore Tide Gauge Mark II
Data Activity Document : 63724

==========

INFORMATION FOR BODC SERIES REF. NO. 40942

==========

Sea Floor Pressure Gauge Inventory Number : 7016

Start Time : 05 Sep 1975 2352 GMT
End Time : 30 Sep 1975 1722 GMT

Latitude : 49deg 54.0min N
Longitude : 010deg 53.9min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 190.00m
Sea Floor Depth : 190.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : C5SP9/PDFH4

==========

Additional information stored with the data:

Clock lost 20 seconds over 24 days 17 hours 30 minutes 20 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station C5
OSTG Mark I, number 9 Sensors SG 1/19 (BODC Series Ref. 40942)
FM 4882/32 (BODC Series Ref. 40954)

Nominal sampling interval 900 seconds
Integration period 890 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

INFORMATION FOR BODC SERIES REF. NO. 40942 (continued)

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

27728; Off-Shore Tide Gauge Type I

==========

INFORMATION FOR BODC SERIES REF. NO. 40954

==========

Sea Floor Pressure Gauge Inventory Number : 7016

Start Time : 05 Sep 1975 2352 GMT
End Time : 30 Sep 1975 1722 GMT

Latitude : 49deg 54.0min N
Longitude : 010deg 53.9min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 190.00m
Sea Floor Depth : 190.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : C5SP11/PDFH4

==========

Additional information stored with the data:

Clock lost 20 seconds over 24 days 17 hours 30 minutes 20 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station C5
OSTG Mark I, number 9 Sensors SG 1/19 (BODC Series Ref. 40942)
FM 4882/32 (BODC Series Ref. 40954)

Nominal sampling interval 900 seconds
Integration period 890 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

INFORMATION FOR BODC SERIES REF. NO. 40954 (continued)

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

27728; Off-Shore Tide Gauge Type I

==========

INFORMATION FOR BODC SERIES REF. NO. 40966

==========

Sea Floor Pressure Gauge Inventory Number : 7017

Start Time : 06 Sep 1975 1137 GMT
End Time : 01 Oct 1975 0837 GMT

Latitude : 50deg 49.2min N
Longitude : 010deg 55.0min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 172.00m
Sea Floor Depth : 172.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : C6AP0/PDFH4

==========

Additional information stored with the data:

Clock gained 3 seconds over 24 days 20 hours 59 minutes 57 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station C6
Aanderaa 2A/64 (BODC Series Ref. 40966)

Nominal sampling interval 900 seconds
Integration period 104 seconds
This instrument was deployed on the same frame as a Mark II tide gauge.

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

INFORMATION FOR BODC SERIES REF. NO. 40966 (continued)

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

27806; Aanderaa Pressure Recorder Type TG-2A and WLR-5

==========

INFORMATION FOR BODC SERIES REF. NO. 40978

==========

Sea Floor Pressure Gauge Inventory Number : 7018

Start Time : 06 Sep 1975 1237 GMT
End Time : 01 Oct 1975 0852 GMT

Latitude : 50deg 49.2min N
Longitude : 010deg 55.0min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 172.00m
Sea Floor Depth : 172.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : C6BP1/PDFH4

==========

Additional information stored with the data:

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

Clock gained 3 seconds over 24 days 20 hours 14 minutes 57 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station C6

OSTG Mark II, number 2	Sensors	OAR 4/1	(BODC Series Ref. 40991)
		Vib 1/6	(BODC Series Ref. 40978)
		SG 2/2	(BODC Series Ref. 41005)
		DIG 5/1	(BODC Series Ref. 33804)

Nominal sampling interval 900 seconds
Integration period 900 seconds
This instrument was deployed on the same frame as an Aanderaa tide gauge.

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

27762; Off-Shore Tide Gauge Mark II

==========

INFORMATION FOR BODC SERIES REF. NO. 40991

==========

Sea Floor Pressure Gauge Inventory Number : 7018

Start Time : 06 Sep 1975 1237 GMT
End Time : 01 Oct 1975 0852 GMT

Latitude : 50deg 49.2min N
Longitude : 010deg 55.0min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 172.00m
Sea Floor Depth : 172.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : C6BP2/PDFH4

==========

Additional information stored with the data:

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

Clock gained 3 seconds over 24 days 20 hours 14 minutes 57 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station C6

OSTG Mark II, number 2	Sensors	OAR 4/1	(BODC Series Ref. 40991)
		Vib 1/6	(BODC Series Ref. 40978)
		SG 2/2	(BODC Series Ref. 41005)
		DIG 5/1	(BODC Series Ref. 33804)

Nominal sampling interval 900 seconds
Integration period 900 seconds
This instrument was deployed on the same frame as an Aanderaa tide gauge.

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

27762; Off-Shore Tide Gauge Mark II

==========

INFORMATION FOR BODC SERIES REF. NO. 41005

==========

Sea Floor Pressure Gauge Inventory Number : 7018

Start Time : 06 Sep 1975 1237 GMT
End Time : 01 Oct 1975 0852 GMT

Latitude : 50deg 49.2min N
Longitude : 010deg 55.0min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 172.00m
Sea Floor Depth : 172.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : C6BP4/PDFH4

==========

Additional information stored with the data:

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

Clock gained 3 seconds over 24 days 20 hours 14 minutes 57 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station C6

OSTG Mark II, number 2	Sensors	OAR 4/1	(BODC Series Ref. 40991)
		Vib 1/6	(BODC Series Ref. 40978)
		SG 2/2	(BODC Series Ref. 41005)
		DIG 5/1	(BODC Series Ref. 33804)

Nominal sampling interval 900 seconds
Integration period 900 seconds
This instrument was deployed on the same frame as an Aanderaa tide gauge.

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

27762; Off-Shore Tide Gauge Mark II

==========

INFORMATION FOR BODC SERIES REF. NO. 41029

==========

Sea Floor Pressure Gauge Inventory Number : 7019

Start Time : 07 Sep 1975 1137 GMT
End Time : 16 Sep 1975 0822 GMT

Latitude : 53deg 36.5min N
Longitude : 011deg 18.2min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 187.00m
Sea Floor Depth : 187.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : C7SP10/PDFH4

==========

Additional information stored with the data:

Clock lost 3 seconds over 8 days 20 hours 40 minutes 3 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station C7
OSTG Mark I, number 10 Sensors SG 1/22 (BODC Series Ref. 41030)
SG 1/21 (BODC Series Ref. 41029)

Nominal sampling interval 900 seconds
Integration period 890 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

INFORMATION FOR BODC SERIES REF. NO. 41029 (continued)

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

27728; Off-Shore Tide Gauge Type I

==========

INFORMATION FOR BODC SERIES REF. NO. 41030

==========

Sea Floor Pressure Gauge Inventory Number : 7019

Start Time : 07 Sep 1975 1137 GMT
End Time : 16 Sep 1975 0822 GMT

Latitude : 53deg 36.5min N
Longitude : 011deg 18.2min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 187.00m
Sea Floor Depth : 187.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : C7SP12/PDFH4

==========

Additional information stored with the data:

Clock lost 3 seconds over 8 days 20 hours 40 minutes 3 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station C7
OSTG Mark I, number 10 Sensors SG 1/22 (BODC Series Ref. 41030)
SG 1/21 (BODC Series Ref. 41029)

Nominal sampling interval 900 seconds
Integration period 890 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

INFORMATION FOR BODC SERIES REF. NO. 41030 (continued)

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

27728; Off-Shore Tide Gauge Type I

==========

INFORMATION FOR BODC SERIES REF. NO. 41042

==========

Sea Floor Pressure Gauge Inventory Number : 7020

Start Time : 07 Sep 1975 2237 GMT
End Time : 03 Oct 1975 0851 GMT

Latitude : 53deg 36.0min N
Longitude : 013deg 49.1min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 290.00m
Sea Floor Depth : 290.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : C8SP10/PDFH4

==========

Additional information stored with the data:

Clock gained 1 minute 18 seconds over 25 days 10 hours 13 minutes 42 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station C8
OSTG Mark I, number 15 Sensors SG 1/13 (BODC Series Ref. 41042)
SG 1/16 (BODC Series Ref. 41054)

Nominal sampling interval 900 seconds
Integration period 890 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

INFORMATION FOR BODC SERIES REF. NO. 41042 (continued)

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

27728; Off-Shore Tide Gauge Type I

==========

INFORMATION FOR BODC SERIES REF. NO. 41054

==========

Sea Floor Pressure Gauge Inventory Number : 7020

Start Time : 07 Sep 1975 2237 GMT
End Time : 03 Oct 1975 0851 GMT

Latitude : 53deg 36.0min N
Longitude : 013deg 49.1min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 290.00m
Sea Floor Depth : 290.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : C8SP12/PDFH4

==========

Additional information stored with the data:

Clock gained 1 minute 18 seconds over 25 days 10 hours 13 minutes 42 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station C8
OSTG Mark I, number 15 Sensors SG 1/13 (BODC Series Ref. 41042)
SG 1/16 (BODC Series Ref. 41054)

Nominal sampling interval 900 seconds
Integration period 890 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

INFORMATION FOR BODC SERIES REF. NO. 41054 (continued)

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

27728; Off-Shore Tide Gauge Type I

==========

INFORMATION FOR BODC SERIES REF. NO. 41066

==========

Sea Floor Pressure Gauge Inventory Number : 7021

Start Time : 14 Feb 1974 1330 GMT
End Time : 26 Mar 1974 0600 GMT

Latitude : 47deg 26.6min N
Longitude : 008deg 26.0min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 2158.00m
Sea Floor Depth : 2158.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : D1MP1/PDFH4

==========

Additional information stored with the data:

No timing correction applied; nominal sampling interval used.
Instrument Characteristics
Station D1
OSTG Mark III, number 7 Sensors OSC 1/10 (BODC Series Ref. 41066)
OSC 1/9 (BODC Series Ref. 41078)

Nominal sampling interval 900 seconds
Integration period 890 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

INFORMATION FOR BODC SERIES REF. NO. 41066 (continued)

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

34098; I.O.S. Off-Shore Pressure Recorder Mark III

==========

INFORMATION FOR BODC SERIES REF. NO. 41078

==========

Sea Floor Pressure Gauge Inventory Number : 7021

Start Time : 14 Feb 1974 1330 GMT
End Time : 26 Mar 1974 0600 GMT

Latitude : 47deg 26.6min N
Longitude : 008deg 26.0min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 2158.00m
Sea Floor Depth : 2158.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : D1MP2/PDFH4

==========

Additional information stored with the data:

No timing correction applied; nominal sampling interval used.
Instrument Characteristics
Station D1
OSTG Mark III, number 7 Sensors OSC 1/10 (BODC Series Ref. 41066)
OSC 1/9 (BODC Series Ref. 41078)

Nominal sampling interval 900 seconds
Integration period 890 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

INFORMATION FOR BODC SERIES REF. NO. 41078 (continued)

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

34098; I.O.S. Off-Shore Pressure Recorder Mark III

==========

INFORMATION FOR BODC SERIES REF. NO. 41091

==========

Sea Floor Pressure Gauge Inventory Number : 7022

Start Time : 09 Nov 1974 0907 GMT
End Time : 29 Nov 1974 1407 GMT

Latitude : 37deg 09.3min N
Longitude : 020deg 04.3min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 2865.00m
Sea Floor Depth : 2865.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : D3MP1/PDFH4

==========

Additional information stored with the data:

Clock gained 5 seconds over 20 days 4 hours 59 minutes 55 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station D3
OSTG Mark III, number 8 Sensors SG 1/D5 (BODC Series Ref. 41091)
SG 1/D1 (BODC Series Ref. 41109)

Nominal sampling interval 900 seconds
Integration period 890 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

INFORMATION FOR BODC SERIES REF. NO. 41091 (continued)

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

34098; I.O.S. Off-Shore Pressure Recorder Mark III

==========

INFORMATION FOR BODC SERIES REF. NO. 41109

==========

Sea Floor Pressure Gauge Inventory Number : 7022

Start Time : 09 Nov 1974 0907 GMT
End Time : 29 Nov 1974 1407 GMT

Latitude : 37deg 09.3min N
Longitude : 020deg 04.3min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 2865.00m
Sea Floor Depth : 2865.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : D3MP2/PDFH4

==========

Additional information stored with the data:

Clock gained 5 seconds over 20 days 4 hours 59 minutes 55 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station D3
OSTG Mark III, number 8 Sensors SG 1/D5 (BODC Series Ref. 41091)
SG 1/D1 (BODC Series Ref. 41109)

Nominal sampling interval 900 seconds
Integration period 890 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

INFORMATION FOR BODC SERIES REF. NO. 41109 (continued)

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

34098; I.O.S. Off-Shore Pressure Recorder Mark III

==========

INFORMATION FOR BODC SERIES REF. NO. 41110

==========

Sea Floor Pressure Gauge Inventory Number : 7023

Start Time : 27 Jan 1975 1637 GMT
End Time : 11 Mar 1975 1308 GMT

Latitude : 36deg 55.3min N
Longitude : 009deg 42.0min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 1983.00m
Sea Floor Depth : 1983.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : D4MP1/PDFH4

==========

Additional information stored with the data:

Clock lost 52 seconds over 42 days 20 hours 30 minutes 52 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station D4
OSTG Mark III, number 7 Sensors SG 1D/2 (BODC Series Ref. 41110)
SG 1D/3 (BODC Series Ref. 41122)

Nominal sampling interval 900 seconds
Integration period 890 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

INFORMATION FOR BODC SERIES REF. NO. 41110 (continued)

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

34098; I.O.S. Off-Shore Pressure Recorder Mark III

==========

INFORMATION FOR BODC SERIES REF. NO. 41122

==========

Sea Floor Pressure Gauge Inventory Number : 7023

Start Time : 27 Jan 1975 1637 GMT
End Time : 11 Mar 1975 1308 GMT

Latitude : 36deg 55.3min N
Longitude : 009deg 42.0min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 1983.00m
Sea Floor Depth : 1983.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : D4MP2/PDFH4

==========

Additional information stored with the data:

Clock lost 52 seconds over 42 days 20 hours 30 minutes 52 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station D4
OSTG Mark III, number 7 Sensors SG 1D/2 (BODC Series Ref. 41110)
SG 1D/3 (BODC Series Ref. 41122)

Nominal sampling interval 900 seconds
Integration period 890 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

INFORMATION FOR BODC SERIES REF. NO. 41122 (continued)

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

34098; I.O.S. Off-Shore Pressure Recorder Mark III

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INFORMATION FOR BODC SERIES REF. NO. 41134

==========

Sea Floor Pressure Gauge Inventory Number : 7024

Start Time : 09 Sep 1975 2237 GMT
End Time : 05 Oct 1975 1751 GMT

Latitude : 53deg 38.2min N
Longitude : 020deg 01.4min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 2045.00m
Sea Floor Depth : 2045.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : D5MP10/PDFH4

==========

Additional information stored with the data:

Clock gained 48 seconds over 25 days 19 hours 14 minutes 12 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station D5
OSTG Mark III, number 7 Sensors SG 1/D2 (BODC Series Ref. 41134)
SG 1/D3 (BODC Series Ref. 41146)

Nominal sampling interval 900 seconds
Integration period 890 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

INFORMATION FOR BODC SERIES REF. NO. 41134 (continued)

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

34098; I.O.S. Off-Shore Pressure Recorder Mark III

==========

INFORMATION FOR BODC SERIES REF. NO. 41146

==========

Sea Floor Pressure Gauge Inventory Number : 7024

Start Time : 09 Sep 1975 2237 GMT
End Time : 05 Oct 1975 1751 GMT

Latitude : 53deg 38.2min N
Longitude : 020deg 01.4min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 2045.00m
Sea Floor Depth : 2045.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : D5MP12/PDFH4

==========

Additional information stored with the data:

Clock gained 48 seconds over 25 days 19 hours 14 minutes 12 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station D5
OSTG Mark III, number 7 Sensors SG 1/D2 (BODC Series Ref. 41134)
SG 1/D3 (BODC Series Ref. 41146)

Nominal sampling interval 900 seconds
Integration period 890 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

INFORMATION FOR BODC SERIES REF. NO. 41146 (continued)

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

34098; I.O.S. Off-Shore Pressure Recorder Mark III

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INFORMATION FOR BODC SERIES REF. NO. 41158

==========

Sea Floor Pressure Gauge Inventory Number : 7025

Start Time : 11 Sep 1975 0752 GMT
End Time : 06 Oct 1975 1838 GMT

Latitude : 53deg 30.6min N
Longitude : 025deg 05.6min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 3508.00m
Sea Floor Depth : 3508.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : D6MP10/PDFH4

==========

Additional information stored with the data:

Clock lost 26 seconds over 25 days 10 hours 45 minutes 26 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station D6
OSTG Mark III, number 16 Sensors HP Quartz (BODC Series Ref. 41158)
SG 1/D4 no data returned

Nominal sampling interval 900 seconds
Integration period 890 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

INFORMATION FOR BODC SERIES REF. NO. 41158 (continued)

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

34098; I.O.S. Off-Shore Pressure Recorder Mark III

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INFORMATION FOR BODC SERIES REF. NO. 41171

==========

Sea Floor Pressure Gauge Inventory Number : 7026

Start Time : 15 Sep 1976 1337 GMT
End Time : 02 Oct 1976 0206 GMT

Latitude : 53deg 38.8min N
Longitude : 030deg 09.9min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 3196.00m
Sea Floor Depth : 3196.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : D7MP1/PDFH4

==========

Additional information stored with the data:

Clock gained 32 seconds over 16 days 12 hours 29 minutes 28 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station D7
OSTG Mark III, number 16 Sensors HP Quartz (BODC Series Ref. 41171)
SG 1/D14 (BODC Series Ref. 41263)

Nominal sampling interval 900 seconds
Integration period 890 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

INFORMATION FOR BODC SERIES REF. NO. 41171 (continued)

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

34098; I.O.S. Off-Shore Pressure Recorder Mark III

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INFORMATION FOR BODC SERIES REF. NO. 41183

==========

Sea Floor Pressure Gauge Inventory Number : 7028

Start Time : 13 Mar 1976 1122 GMT
End Time : 17 Apr 1976 1334 GMT

Latitude : 59deg 20.0min N
Longitude : 004deg 31.0min E

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 271.00m
Sea Floor Depth : 271.00m

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

Project : JONSDAP 1976

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : J57SP1/PDFH4

==========

Additional information stored with the data:

Clock gained 2 minutes 32 seconds over 35 days 2 hours 12 minutes 28 seconds; cycle interval and time values have been corrected.
Instrument Characteristics
JONSDAP 76 Rig 57
OSTG Mark I, number 15 Sensors SG 1/13 (BODC Series Ref. 41183)
SG 1/16 (BODC Series Ref. 41275)

Nominal sampling interval 900 seconds
Integration period 890 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

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

27728; Off-Shore Tide Gauge Type I
Project Document : 12764

==========

INFORMATION FOR BODC SERIES REF. NO. 41195

==========

Sea Floor Pressure Gauge Inventory Number : 7027

Start Time : 18 Jan 1977 0722 GMT
End Time : 04 Mar 1977 1008 GMT

Latitude : 41deg 25.0min N
Longitude : 027deg 56.7min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 2413.00m
Sea Floor Depth : 2413.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : D10DP2/PDFH4

==========

Additional information stored with the data:

Clock lost 57 seconds over 45 days 2 hours 45 minutes 57 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station D10
OSTG Mark IV, number 7 Sensors SG 1/D3 (BODC Series Ref. 41195)
SG 1/D4 (BODC Series Ref. 41202)

Nominal sampling interval 900 seconds
Integration period 890 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

INFORMATION FOR BODC SERIES REF. NO. 41195 (continued)

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

32414; I.O.S. Mk IV Pressure Recorder

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INFORMATION FOR BODC SERIES REF. NO. 41202

==========

Sea Floor Pressure Gauge Inventory Number : 7027

Start Time : 18 Jan 1977 0722 GMT
End Time : 04 Mar 1977 1008 GMT

Latitude : 41deg 25.0min N
Longitude : 027deg 56.7min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 2413.00m
Sea Floor Depth : 2413.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : D10DP1/PDFH4

==========

Additional information stored with the data:

Clock lost 57 seconds over 45 days 2 hours 45 minutes 57 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station D10
OSTG Mark IV, number 7 Sensors SG 1/D3 (BODC Series Ref. 41195)
SG 1/D4 (BODC Series Ref. 41202)

Nominal sampling interval 900 seconds
Integration period 890 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

INFORMATION FOR BODC SERIES REF. NO. 41202 (continued)

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

32414; I.O.S. Mk IV Pressure Recorder

==========

INFORMATION FOR BODC SERIES REF. NO. 41214

==========

Sea Floor Pressure Gauge Inventory Number : 7029

Start Time : 16 Sep 1976 1852 GMT
End Time : 09 Oct 1976 1252 GMT

Latitude : 60deg 12.3min N
Longitude : 028deg 46.0min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 1200.00m
Sea Floor Depth : 1200.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : D9MP2/PDFH4

==========

Additional information stored with the data:

Clock lost 20 seconds over 22 days 18 hours 0 minutes 20 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station D9
OSTG Mark III, number 17 Sensors SG 1D/10 (BODC Series Ref. 41226)
SG 1D/8 (BODC Series Ref. 41214)

Nominal sampling interval 900 seconds
Integration period 890 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

INFORMATION FOR BODC SERIES REF. NO. 41214 (continued)

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

34098; I.O.S. Off-Shore Pressure Recorder Mark III

==========

INFORMATION FOR BODC SERIES REF. NO. 41226

==========

Sea Floor Pressure Gauge Inventory Number : 7029

Start Time : 16 Sep 1976 1852 GMT
End Time : 09 Oct 1976 1252 GMT

Latitude : 60deg 12.3min N
Longitude : 028deg 46.0min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 1200.00m
Sea Floor Depth : 1200.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : D9MP1/PDFH4

==========

Additional information stored with the data:

Clock lost 20 seconds over 22 days 18 hours 0 minutes 20 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station D9
OSTG Mark III, number 17 Sensors SG 1D/10 (BODC Series Ref. 41226)
SG 1D/8 (BODC Series Ref. 41214)

Nominal sampling interval 900 seconds
Integration period 890 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

INFORMATION FOR BODC SERIES REF. NO. 41226 (continued)

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

34098; I.O.S. Off-Shore Pressure Recorder Mark III

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INFORMATION FOR BODC SERIES REF. NO. 41238

==========

Sea Floor Pressure Gauge Inventory Number : 7030

Start Time : 15 Sep 1976 2237 GMT
End Time : 11 Oct 1976 0953 GMT

Latitude : 57deg 01.3min N
Longitude : 029deg 58.0min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 2448.00m
Sea Floor Depth : 2448.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : D8MP2/PDFH4

==========

Additional information stored with the data:

Clock lost 34 seconds over 25 days 11 hours 15 minutes 34 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station D8
OSTG Mark III, number 7 Sensors SG 1/D4 (BODC Series Ref. 41251)
SG 1/D3 (BODC Series Ref. 41238)

Nominal sampling interval 900 seconds
Integration period 890 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

INFORMATION FOR BODC SERIES REF. NO. 41238 (continued)

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

34098; I.O.S. Off-Shore Pressure Recorder Mark III

==========

INFORMATION FOR BODC SERIES REF. NO. 41251

==========

Sea Floor Pressure Gauge Inventory Number : 7030

Start Time : 15 Sep 1976 2237 GMT
End Time : 11 Oct 1976 0953 GMT

Latitude : 57deg 01.3min N
Longitude : 029deg 58.0min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 2448.00m
Sea Floor Depth : 2448.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : D8MP1/PDFH4

==========

Additional information stored with the data:

Clock lost 34 seconds over 25 days 11 hours 15 minutes 34 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station D8
OSTG Mark III, number 7 Sensors SG 1/D4 (BODC Series Ref. 41251)
SG 1/D3 (BODC Series Ref. 41238)

Nominal sampling interval 900 seconds
Integration period 890 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

INFORMATION FOR BODC SERIES REF. NO. 41251 (continued)

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

34098; I.O.S. Off-Shore Pressure Recorder Mark III

==========

INFORMATION FOR BODC SERIES REF. NO. 41263

==========

Sea Floor Pressure Gauge Inventory Number : 7026

Start Time : 15 Sep 1976 1337 GMT
End Time : 02 Oct 1976 0206 GMT

Latitude : 53deg 38.8min N
Longitude : 030deg 09.9min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 3196.00m
Sea Floor Depth : 3196.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : D7MP2/PDFH4

==========

Additional information stored with the data:

Clock gained 32 seconds over 16 days 12 hours 29 minutes 28 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station D7
OSTG Mark III, number 16 Sensors HP Quartz (BODC Series Ref. 41171)
SG 1/D14 (BODC Series Ref. 41263)

Nominal sampling interval 900 seconds
Integration period 890 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

INFORMATION FOR BODC SERIES REF. NO. 41263 (continued)

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

34098; I.O.S. Off-Shore Pressure Recorder Mark III

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INFORMATION FOR BODC SERIES REF. NO. 41275

==========

Sea Floor Pressure Gauge Inventory Number : 7028

Start Time : 13 Mar 1976 1122 GMT
End Time : 17 Apr 1976 1334 GMT

Latitude : 59deg 20.0min N
Longitude : 004deg 31.0min E

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 271.00m
Sea Floor Depth : 271.00m

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

Project : JONSDAP 1976

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : J57SP2/PDFH4

==========

Additional information stored with the data:

Clock gained 2 minutes 32 seconds over 35 days 2 hours 12 minutes 28 seconds; cycle interval and time values have been corrected.
Instrument Characteristics
JONSDAP 76 Rig 57
OSTG Mark I, number 15 Sensors SG 1/13 (BODC Series Ref. 41183)
SG 1/16 (BODC Series Ref. 41275)

Nominal sampling interval 900 seconds
Integration period 890 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

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

27728; Off-Shore Tide Gauge Type I
Project Document : 12764

==========

INFORMATION FOR BODC SERIES REF. NO. 41287

==========

Sea Floor Pressure Gauge Inventory Number : 7031

Start Time : 09 Aug 1979 2258 GMT
End Time : 27 Sep 1979 1513 GMT

Latitude : 55deg 40.3min N
Longitude : 010deg 49.1min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 2504.00m
Sea Floor Depth : 2504.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : NLDP7/PDFH4

==========

Additional information stored with the data:

Clock lost 6 seconds over 48 days 16 hours 15 minutes 6 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station NL
OSTG Mark IV, number 4 Sensors DIG 3845 (BODC Series Ref. 41299)
SG 2/D2 (BODC Series Ref. 41306)
Schvz-1 (BODC Series Ref. 41287)

Nominal sampling interval 225 seconds
Integration period 225 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

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

32414; I.O.S. Mk IV Pressure Recorder

==========

INFORMATION FOR BODC SERIES REF. NO. 41299

==========

Sea Floor Pressure Gauge Inventory Number : 7031

Start Time : 09 Aug 1979 1243 GMT
End Time : 27 Sep 1979 1513 GMT

Latitude : 55deg 40.3min N
Longitude : 010deg 49.1min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 2504.00m
Sea Floor Depth : 2504.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : NLDP5/PDFH4

==========

Additional information stored with the data:

Clock lost 6 seconds over 48 days 16 hours 15 minutes 6 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station NL
OSTG Mark IV, number 4 Sensors DIG 3845 (BODC Series Ref. 41299)
SG 2/D2 (BODC Series Ref. 41306)
Schvz-1 (BODC Series Ref. 41287)

Nominal sampling interval 225 seconds
Integration period 225 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

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

32414; I.O.S. Mk IV Pressure Recorder

==========

INFORMATION FOR BODC SERIES REF. NO. 41306

==========

Sea Floor Pressure Gauge Inventory Number : 7031

Start Time : 09 Aug 1979 2258 GMT
End Time : 27 Sep 1979 1513 GMT

Latitude : 55deg 40.3min N
Longitude : 010deg 49.1min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 2504.00m
Sea Floor Depth : 2504.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : NLDP6/PDFH4

==========

Additional information stored with the data:

Clock lost 6 seconds over 48 days 16 hours 15 minutes 6 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station NL
OSTG Mark IV, number 4 Sensors DIG 3845 (BODC Series Ref. 41299)
SG 2/D2 (BODC Series Ref. 41306)
Schvz-1 (BODC Series Ref. 41287)

Nominal sampling interval 225 seconds
Integration period 225 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

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

32414; I.O.S. Mk IV Pressure Recorder

==========

INFORMATION FOR BODC SERIES REF. NO. 41318

==========

Sea Floor Pressure Gauge Inventory Number : 7032

Start Time : 07 Nov 1974 0652 GMT
End Time : 02 Dec 1974 1237 GMT

Latitude : 36deg 40.8min N
Longitude : 011deg 12.5min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 145.00m
Sea Floor Depth : 145.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : M1SP2/PDFH4

==========

Additional information stored with the data:

Clock lost 20 seconds over 25 days 5 hours 45 minutes 20 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station M1
OSTG Mark I, number 9 Sensors SG 1/16 (BODC Series Ref. 41318)
SG 1/20 no data returned

Nominal sampling interval 900 seconds
Integration period 890 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

INFORMATION FOR BODC SERIES REF. NO. 41318 (continued)

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

27728; Off-Shore Tide Gauge Type I

==========

INFORMATION FOR BODC SERIES REF. NO. 41331

==========

Sea Floor Pressure Gauge Inventory Number : 7033

Start Time : 16 Jul 1972 0207 GMT
End Time : 17 Aug 1972 1351 GMT

Latitude : 36deg 40.6min N
Longitude : 014deg 14.7min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 212.00m
Sea Floor Depth : 212.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : M2SPC/PDFH4

==========

Additional information stored with the data:

Clock gained 56 seconds over 32 days 11 hours 44 minutes 4 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station M2
OSTG Mark I, number 5 Sensors OSC 1/2 (BODC Series Ref. 41331)
FM HEAD 22 no data available

Nominal sampling interval 900 seconds
Integration period 890 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

INFORMATION FOR BODC SERIES REF. NO. 41331 (continued)

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

27728; Off-Shore Tide Gauge Type I

==========

INFORMATION FOR BODC SERIES REF. NO. 41343

==========

Sea Floor Pressure Gauge Inventory Number : 7034

Start Time : 14 Jan 1977 2207 GMT
End Time : 28 Feb 1977 1423 GMT

Latitude : 48deg 44.8min N
Longitude : 028deg 11.3min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 1171.00m
Sea Floor Depth : 1171.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : M3MP1/PDFH4

==========

Additional information stored with the data:

Clock lost 36 seconds over 44 days 16 hours 15 minutes 36 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station M3
OSTG Mark III,number 17 Sensors SG 1/D8 (BODC Series Ref. 41343)
SG 1/D10 (BODC Series Ref. 41355)

Nominal sampling interval 900 seconds
Integration period 890 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

INFORMATION FOR BODC SERIES REF. NO. 41343 (continued)

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

34098; I.O.S. Off-Shore Pressure Recorder Mark III

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INFORMATION FOR BODC SERIES REF. NO. 41355

==========

Sea Floor Pressure Gauge Inventory Number : 7034

Start Time : 14 Jan 1977 2207 GMT
End Time : 28 Feb 1977 1423 GMT

Latitude : 48deg 44.8min N
Longitude : 028deg 11.3min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 1171.00m
Sea Floor Depth : 1171.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : M3MP2/PDFH4

==========

Additional information stored with the data:

Clock lost 36 seconds over 44 days 16 hours 15 minutes 36 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station M3
OSTG Mark III,number 17 Sensors SG 1/D8 (BODC Series Ref. 41343)
SG 1/D10 (BODC Series Ref. 41355)

Nominal sampling interval 900 seconds
Integration period 890 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

INFORMATION FOR BODC SERIES REF. NO. 41355 (continued)

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

34098; I.O.S. Off-Shore Pressure Recorder Mark III

==========

INFORMATION FOR BODC SERIES REF. NO. 41367

==========

Sea Floor Pressure Gauge Inventory Number : 7035

Start Time : 16 Jan 1977 0528 GMT
End Time : 03 Mar 1977 0613 GMT

Latitude : 45deg 21.4min N
Longitude : 028deg 09.2min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 977.00m
Sea Floor Depth : 977.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : M4DP4/PDFH4

==========

Additional information stored with the data:

Clock lost 21 seconds over 46 days 0 hours 45 minutes 21 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station M4
OSTG Mark IV, number 1 Sensors SG 1/D11 (BODC Series Ref. 41367)
SG 1/D2 (BODC Series Ref. 41379)

Nominal sampling interval 225 seconds
Integration period 225 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

INFORMATION FOR BODC SERIES REF. NO. 41367 (continued)

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

32414; I.O.S. Mk IV Pressure Recorder

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INFORMATION FOR BODC SERIES REF. NO. 41379

==========

Sea Floor Pressure Gauge Inventory Number : 7035

Start Time : 16 Jan 1977 0528 GMT
End Time : 03 Mar 1977 0613 GMT

Latitude : 45deg 21.4min N
Longitude : 028deg 09.2min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 977.00m
Sea Floor Depth : 977.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : M4DP5/PDFH4

==========

Additional information stored with the data:

Clock lost 21 seconds over 46 days 0 hours 45 minutes 21 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station M4
OSTG Mark IV, number 1 Sensors SG 1/D11 (BODC Series Ref. 41367)
SG 1/D2 (BODC Series Ref. 41379)

Nominal sampling interval 225 seconds
Integration period 225 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

INFORMATION FOR BODC SERIES REF. NO. 41379 (continued)

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

32414; I.O.S. Mk IV Pressure Recorder

==========

INFORMATION FOR BODC SERIES REF. NO. 41380

==========

Sea Floor Pressure Gauge Inventory Number : 7036

Start Time : 01 Nov 1974 1915 GMT
End Time : 19 Nov 1974 1315 GMT

Latitude : 59deg 46.9min N
Longitude : 000deg 00.5min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 137.00m
Sea Floor Depth : 137.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : NSHSP2/PDFH4

==========

Additional information stored with the data:

No timing correction applied; nominal sampling interval used.
Instrument Characteristics
Station NSH
OSTG Mark I Channel 2 (BODC Series Ref. 41380)

Nominal sampling interval 900 seconds
Integration period 890 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

INFORMATION FOR BODC SERIES REF. NO. 41380 (continued)

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

27728; Off-Shore Tide Gauge Type I

==========

INFORMATION FOR BODC SERIES REF. NO. 41392

==========

Sea Floor Pressure Gauge Inventory Number : 7037

Start Time : 18 Sep 1976 0107 GMT
End Time : 08 Oct 1976 0736 GMT

Latitude : 62deg 50.2min N
Longitude : 024deg 43.1min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 493.00m
Sea Floor Depth : 493.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : R1SP1/PDFH4

==========

Additional information stored with the data:

Clock gained 1 minute 3 seconds over 20 days 6 hours 28 minutes 57 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station R1
OSTG Mark I, number 15 Sensors SG 1/D11 (BODC Series Ref. 41392)
SG 1/D12 (BODC Series Ref. 41411)

Nominal sampling interval 900 seconds
Integration period 890 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

INFORMATION FOR BODC SERIES REF. NO. 41392 (continued)

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

27728; Off-Shore Tide Gauge Type I

==========

INFORMATION FOR BODC SERIES REF. NO. 41411

==========

Sea Floor Pressure Gauge Inventory Number : 7037

Start Time : 18 Sep 1976 0107 GMT
End Time : 08 Oct 1976 0736 GMT

Latitude : 62deg 50.2min N
Longitude : 024deg 43.1min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 493.00m
Sea Floor Depth : 493.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : R1SP2/PDFH4

==========

Additional information stored with the data:

Clock gained 1 minute 3 seconds over 20 days 6 hours 28 minutes 57 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station R1
OSTG Mark I, number 15 Sensors SG 1/D11 (BODC Series Ref. 41392)
SG 1/D12 (BODC Series Ref. 41411)

Nominal sampling interval 900 seconds
Integration period 890 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

INFORMATION FOR BODC SERIES REF. NO. 41411 (continued)

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

27728; Off-Shore Tide Gauge Type I

==========

INFORMATION FOR BODC SERIES REF. NO. 41423

==========

Sea Floor Pressure Gauge Inventory Number : 7038

Start Time : 20 Sep 1976 1207 GMT
End Time : 06 Oct 1976 1437 GMT

Latitude : 62deg 57.1min N
Longitude : 010deg 57.3min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 444.00m
Sea Floor Depth : 444.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : R2SP1/PDFH4

==========

Additional information stored with the data:

Clock lost 12 seconds over 16 days 2 hours 30 minutes 12 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station R2
OSTG Mark I, number 9 Sensors SG 1/D9 (BODC Series Ref. 41423)
DIG 662 (BODC Series Ref. 41435)

Nominal sampling interval 900 seconds
Integration period 890 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

INFORMATION FOR BODC SERIES REF. NO. 41423 (continued)

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

27728; Off-Shore Tide Gauge Type I

==========

INFORMATION FOR BODC SERIES REF. NO. 41435

==========

Sea Floor Pressure Gauge Inventory Number : 7038

Start Time : 20 Sep 1976 1207 GMT
End Time : 06 Oct 1976 1437 GMT

Latitude : 62deg 57.1min N
Longitude : 010deg 57.3min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 444.00m
Sea Floor Depth : 444.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : R2SP2/PDFH4

==========

Additional information stored with the data:

Clock lost 12 seconds over 16 days 2 hours 30 minutes 12 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station R2
OSTG Mark I, number 9 Sensors SG 1/D9 (BODC Series Ref. 41423)
DIG 662 (BODC Series Ref. 41435)

Nominal sampling interval 900 seconds
Integration period 890 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

INFORMATION FOR BODC SERIES REF. NO. 41435 (continued)

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

27728; Off-Shore Tide Gauge Type I

==========

INFORMATION FOR BODC SERIES REF. NO. 41447

==========

Sea Floor Pressure Gauge Inventory Number : 7039

Start Time : 07 Nov 1978 0307 GMT
End Time : 11 Dec 1978 2106 GMT

Latitude : 10deg 05.5min N
Longitude : 017deg 13.6min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 524.00m
Sea Floor Depth : 524.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : T1MP1/PDFH4

==========

Additional information stored with the data:

Clock gained 56 seconds over 34 days 17 hours 59 minutes 4 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station T1
OSTG Mark III Sensors DIG 662 (BODC Series Ref. 41447)
SG 1D/12 (BODC Series Ref. 41459)

Nominal sampling interval 900 seconds
Integration period 890 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

INFORMATION FOR BODC SERIES REF. NO. 41447 (continued)

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

34098; I.O.S. Off-Shore Pressure Recorder Mark III

==========

INFORMATION FOR BODC SERIES REF. NO. 41459

==========

Sea Floor Pressure Gauge Inventory Number : 7039

Start Time : 07 Nov 1978 0307 GMT
End Time : 11 Dec 1978 2106 GMT

Latitude : 10deg 05.5min N
Longitude : 017deg 13.6min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 524.00m
Sea Floor Depth : 524.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : T1MP2/PDFH4

==========

Additional information stored with the data:

Clock gained 56 seconds over 34 days 17 hours 59 minutes 4 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station T1
OSTG Mark III Sensors DIG 662 (BODC Series Ref. 41447)
SG 1D/12 (BODC Series Ref. 41459)

Nominal sampling interval 900 seconds
Integration period 890 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

INFORMATION FOR BODC SERIES REF. NO. 41459 (continued)

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

34098; I.O.S. Off-Shore Pressure Recorder Mark III

==========

INFORMATION FOR BODC SERIES REF. NO. 41460

==========

Sea Floor Pressure Gauge Inventory Number : 7040

Start Time : 10 Nov 1978 1458 GMT
End Time : 09 Dec 1978 1758 GMT

Latitude : 06deg 03.9min N
Longitude : 020deg 58.1min W

Nominal Cycle Interval : 3600.0 secs

Sensor Depth : 3650.00m
Sea Floor Depth : 3650.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : T2DP4/PDFH1

==========

Additional information stored with the data:

Clock lost 36 seconds over 29 days 3 hours 0 minutes 36 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station T2
OSTG Mark IV Sensors SG 1/D4 (BODC Series Ref. 41460)
DIG 2262 (BODC Series Ref. 41472)
SG 2/D4 (BODC Series Ref. 41484)

Nominal sampling interval 225 seconds
Integration period 225 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

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

32414; I.O.S. Mk IV Pressure Recorder

==========

INFORMATION FOR BODC SERIES REF. NO. 41472

==========

Sea Floor Pressure Gauge Inventory Number : 7040

Start Time : 10 Nov 1978 1458 GMT
End Time : 09 Dec 1978 1758 GMT

Latitude : 06deg 03.9min N
Longitude : 020deg 58.1min W

Nominal Cycle Interval : 3600.0 secs

Sensor Depth : 3650.00m
Sea Floor Depth : 3650.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : T2DP5/PDFH1

==========

Additional information stored with the data:

Clock lost 36 seconds over 29 days 3 hours 0 minutes 36 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station T2
OSTG Mark IV Sensors SG 1/D4 (BODC Series Ref. 41460)
DIG 2262 (BODC Series Ref. 41472)
SG 2/D4 (BODC Series Ref. 41484)

Nominal sampling interval 225 seconds
Integration period 225 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

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

32414; I.O.S. Mk IV Pressure Recorder

==========

INFORMATION FOR BODC SERIES REF. NO. 41484

==========

Sea Floor Pressure Gauge Inventory Number : 7040

Start Time : 10 Nov 1978 1458 GMT
End Time : 09 Dec 1978 1758 GMT

Latitude : 06deg 03.9min N
Longitude : 020deg 58.1min W

Nominal Cycle Interval : 3600.0 secs

Sensor Depth : 3650.00m
Sea Floor Depth : 3650.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : T2DP6/PDFH1

==========

Additional information stored with the data:

Clock lost 36 seconds over 29 days 3 hours 0 minutes 36 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station T2
OSTG Mark IV Sensors SG 1/D4 (BODC Series Ref. 41460)
DIG 2262 (BODC Series Ref. 41472)
SG 2/D4 (BODC Series Ref. 41484)

Nominal sampling interval 225 seconds
Integration period 225 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

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

32414; I.O.S. Mk IV Pressure Recorder

==========

INFORMATION FOR BODC SERIES REF. NO. 41496

==========

Sea Floor Pressure Gauge Inventory Number : 7041

Start Time : 11 Sep 1978 1843 GMT
End Time : 08 Oct 1978 2058 GMT

Latitude : 03deg 07.9min N
Longitude : 025deg 03.5min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 4200.00m
Sea Floor Depth : 4200.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : T3DP4/PDFH4

==========

Additional information stored with the data:

Clock lost 11 seconds over 27 days 2 hours 15 minutes 11 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station T3
OSTG Mark IV Sensors SG 2/D5 (BODC Series Ref. 41496,41503)
SG 1/D6 (BODC Series Ref. 41515)
SG 2/D6 (BODC Series Ref. 41527)

Nominal sampling interval 225 seconds
Integration period 225 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

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

32414; I.O.S. Mk IV Pressure Recorder

==========

INFORMATION FOR BODC SERIES REF. NO. 41503

==========

Sea Floor Pressure Gauge Inventory Number : 7042

Start Time : 11 Sep 1978 2158 GMT
End Time : 06 Oct 1978 1658 GMT

Latitude : 03deg 07.9min N
Longitude : 025deg 03.5min W

Nominal Cycle Interval : 3600.0 secs

Sensor Depth : 4200.00m
Sea Floor Depth : 4200.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : T3DP4/PDFH1

==========

Additional information stored with the data:

Clock lost 11 seconds over 27 days 2 hours 15 minutes 11 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station T3
OSTG Mark IV Sensors SG 2/D5 (BODC Series Ref. 41496,41503)
SG 1/D6 (BODC Series Ref. 41515)
SG 2/D6 (BODC Series Ref. 41527)

Nominal sampling interval 225 seconds
Integration period 225 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

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

32414; I.O.S. Mk IV Pressure Recorder

==========

INFORMATION FOR BODC SERIES REF. NO. 41515

==========

Sea Floor Pressure Gauge Inventory Number : 7042

Start Time : 11 Sep 1978 2158 GMT
End Time : 11 Oct 1978 1658 GMT

Latitude : 03deg 07.9min N
Longitude : 025deg 03.5min W

Nominal Cycle Interval : 3600.0 secs

Sensor Depth : 4200.00m
Sea Floor Depth : 4200.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : T3DP5/PDFH1

==========

Additional information stored with the data:

Clock lost 11 seconds over 27 days 2 hours 15 minutes 11 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station T3
OSTG Mark IV Sensors SG 2/D5 (BODC Series Ref. 41496,41503)
SG 1/D6 (BODC Series Ref. 41515)
SG 2/D6 (BODC Series Ref. 41527)

Nominal sampling interval 225 seconds
Integration period 225 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

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

32414; I.O.S. Mk IV Pressure Recorder

==========

INFORMATION FOR BODC SERIES REF. NO. 41527

==========

Sea Floor Pressure Gauge Inventory Number : 7042

Start Time : 11 Sep 1978 2158 GMT
End Time : 11 Oct 1978 1658 GMT

Latitude : 03deg 07.9min N
Longitude : 025deg 03.5min W

Nominal Cycle Interval : 3600.0 secs

Sensor Depth : 4200.00m
Sea Floor Depth : 4200.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : T3DP6/PDFH1

==========

Additional information stored with the data:

Clock lost 11 seconds over 27 days 2 hours 15 minutes 11 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station T3
OSTG Mark IV Sensors SG 2/D5 (BODC Series Ref. 41496,41503)
SG 1/D6 (BODC Series Ref. 41515)
SG 2/D6 (BODC Series Ref. 41527)

Nominal sampling interval 225 seconds
Integration period 225 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

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

32414; I.O.S. Mk IV Pressure Recorder

==========

INFORMATION FOR BODC SERIES REF. NO. 41539

==========

Sea Floor Pressure Gauge Inventory Number : 7043

Start Time : 12 Nov 1978 1037 GMT
End Time : 15 Dec 1978 0808 GMT

Latitude : 00deg 56.3min N
Longitude : 029deg 16.6min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 383.00m
Sea Floor Depth : 383.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : T4MP1/PDFH4

==========

Additional information stored with the data:

Clock lost 53 seconds over 32 days 21 hours 30 minutes 53 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station T4
OSTG Mark III Sensors DIG 2622 (BODC Series Ref. 41539)
SG 1D/9 (BODC Series Ref. 41540)

Nominal sampling interval 900 seconds
Integration period 890 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

INFORMATION FOR BODC SERIES REF. NO. 41539 (continued)

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

34098; I.O.S. Off-Shore Pressure Recorder Mark III

==========

INFORMATION FOR BODC SERIES REF. NO. 41540

==========

Sea Floor Pressure Gauge Inventory Number : 7043

Start Time : 12 Nov 1978 1037 GMT
End Time : 15 Dec 1978 0808 GMT

Latitude : 00deg 56.3min N
Longitude : 029deg 16.6min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 383.00m
Sea Floor Depth : 383.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : T4MP2/PDFH4

==========

Additional information stored with the data:

Clock lost 53 seconds over 32 days 21 hours 30 minutes 53 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station T4
OSTG Mark III Sensors DIG 2622 (BODC Series Ref. 41539)
SG 1D/9 (BODC Series Ref. 41540)

Nominal sampling interval 900 seconds
Integration period 890 seconds

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

INFORMATION FOR BODC SERIES REF. NO. 41540 (continued)

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

34098; I.O.S. Off-Shore Pressure Recorder Mark III

==========

INFORMATION FOR BODC SERIES REF. NO. 41552

==========

Sea Floor Pressure Gauge Inventory Number : 7044

Start Time : 04 Jan 1979 0928 GMT
End Time : 09 Mar 1979 2029 GMT

Latitude : 17deg 04.2min S
Longitude : 013deg 39.6min W

Nominal Cycle Interval : 3600.0 secs

Sensor Depth : 2700.00m
Sea Floor Depth : 2700.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : T7DP4/PDFH1

==========

Additional information stored with the data:

Clock lost 1 minutes 19 seconds over 64 days 11 hours 1 minute 19 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station T7
OSTG Mark IV Sensors SG 1/D3 (BODC Series Ref. 41552)
DIG 2291 (BODC Series Ref. 41564)
SG 2/D3 (BODC Series Ref. 41576)

Nominal sampling interval 225 seconds
Integration period 225 seconds
This instrument was deployed on the same frame as an Aanderaa tide gauge.

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

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

32414; I.O.S. Mk IV Pressure Recorder

==========

INFORMATION FOR BODC SERIES REF. NO. 41564

==========

Sea Floor Pressure Gauge Inventory Number : 7044

Start Time : 04 Jan 1979 0928 GMT
End Time : 09 Mar 1979 0029 GMT

Latitude : 17deg 04.2min S
Longitude : 013deg 39.6min W

Nominal Cycle Interval : 3600.0 secs

Sensor Depth : 2700.00m
Sea Floor Depth : 2700.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : T7DP5/PDFH1

==========

Additional information stored with the data:

Clock lost 1 minutes 19 seconds over 64 days 11 hours 1 minute 19 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station T7
OSTG Mark IV Sensors SG 1/D3 (BODC Series Ref. 41552)
DIG 2291 (BODC Series Ref. 41564)
SG 2/D3 (BODC Series Ref. 41576)

Nominal sampling interval 225 seconds
Integration period 225 seconds
This instrument was deployed on the same frame as an Aanderaa tide gauge.

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

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

32414; I.O.S. Mk IV Pressure Recorder

==========

INFORMATION FOR BODC SERIES REF. NO. 41576

==========

Sea Floor Pressure Gauge Inventory Number : 7044

Start Time : 04 Jan 1979 0928 GMT
End Time : 04 Mar 1979 0029 GMT

Latitude : 17deg 04.2min S
Longitude : 013deg 39.6min W

Nominal Cycle Interval : 3600.0 secs

Sensor Depth : 2700.00m
Sea Floor Depth : 2700.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : T7DP6/PDFH1

==========

Additional information stored with the data:

Clock lost 1 minutes 19 seconds over 64 days 11 hours 1 minute 19 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station T7
OSTG Mark IV Sensors SG 1/D3 (BODC Series Ref. 41552)
DIG 2291 (BODC Series Ref. 41564)
SG 2/D3 (BODC Series Ref. 41576)

Nominal sampling interval 225 seconds
Integration period 225 seconds
This instrument was deployed on the same frame as an Aanderaa tide gauge.

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

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

32414; I.O.S. Mk IV Pressure Recorder

==========

INFORMATION FOR BODC SERIES REF. NO. 41588

==========

Sea Floor Pressure Gauge Inventory Number : 7045

Start Time : 02 Jan 1979 0607 GMT
End Time : 25 Mar 1979 0752 GMT

Latitude : 17deg 04.2min S
Longitude : 013deg 39.6min W

Nominal Cycle Interval : 900.0 secs

Sensor Depth : 2700.00m
Sea Floor Depth : 2700.00m

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

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : T7AP0/PDFH4

==========

Additional information stored with the data:

Clock gained 5 seconds over 82 days 1 hour 44 minutes 55 seconds; the cycle interval and time values have been corrected.
Instrument Characteristics
Station T7
Aanderaa TG-4A (BODC Series Ref. 41588)

Nominal sampling interval 900 seconds
Integration period 30 seconds
This instrument was deployed on the same frame as a Mark IV tide gauge.

I.O.S. Data Processing of Off-Shore Pressure Recorder Data 3
Data processing comprises 2 stages:-

1. Instrumental drift and depth are removed, thus the drift free series is produced with an artificial mean of zero.
2. Generally the pressure values have been obtained by integration and averaging over the sampling interval, followed by logging; hence the time value assigned to a data cycle has been chosen as the mid-point between the start and end time of each interval. Some pressure records have been sample rate reduced from the basic time step of the recorder to produce either hourly or 15 minute values, incorporating any timing corrections due to clock error.

INFORMATION FOR BODC SERIES REF. NO. 41588 (continued)

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

27823; Aanderaa Pressure Recorder Type TG-4A

==========

INFORMATION FOR BODC SERIES REF. NO. 47209

==========

Sea Floor Pressure Gauge Inventory Number : 7057

Start Time : 25 Oct 1982 1700 GMT
End Time : 05 Feb 1983 0500 GMT

Latitude : 57deg 54.7min N
Longitude : 008deg 48.5min W

Nominal Cycle Interval : 3600.0 secs

Sensor Depth : 146.00m
Sea Floor Depth : 146.00m

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

Project : Continental Slope Experiment (CONSLEX)

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : SB1FP3

==========

Additional information stored with the data:

Magnetic tape ran out so no timing information available.
Instrument characteristics
Station B1
Bottom mounted current meter/tide gauge Sensor DQ 6740

Nominal sampling interval 900 seconds
Integration period 900 seconds

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

27793; Aanderaa Current Meter/Pressure Recorder
32428; I.O.S. Data Processing of Off-Shore Pressure Recorder Data
Project Document : 33549

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INFORMATION FOR BODC SERIES REF. NO. 47210

==========

Sea Floor Pressure Gauge Inventory Number : 7058

Start Time : 28 Aug 1982 0000 GMT
End Time : 24 Oct 1982 1900 GMT

Latitude : 58deg 00.8min N
Longitude : 009deg 09.0min W

Nominal Cycle Interval : 3600.0 secs

Sensor Depth : 213.00m
Sea Floor Depth : 213.00m

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

Project : Continental Slope Experiment (CONSLEX)

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : SB2FP3

==========

Additional information stored with the data:

No final timing check was carried out, thus no timing information available.
Instrument characteristics
Station B2
Bottom mounted current meter/tide gauge sensor DQ 4144

Nominal sampling interval 900 seconds
Integration period 900 seconds

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

27793; Aanderaa Current Meter/Pressure Recorder
32428; I.O.S. Data Processing of Off-Shore Pressure Recorder Data
Project Document : 33549

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INFORMATION FOR BODC SERIES REF. NO. 47222

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Sea Floor Pressure Gauge Inventory Number : 7059

Start Time : 28 Apr 1982 0900 GMT
End Time : 22 Aug 1982 0700 GMT

Latitude : 57deg 19.0min N
Longitude : 009deg 52.5min W

Nominal Cycle Interval : 3600.0 secs

Sensor Depth : 2004.00m
Sea Floor Depth : 2004.00m

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

Project : Continental Slope Experiment (CONSLEX)

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : SA61HP5

==========

Additional information stored with the data:

Clock gained 31 seconds over 116 days 6 hours 59 minutes 29 seconds; original cycle interval and time values have been corrected.
Instrument characteristics
Station A6/1
Teleost sensor 291/1

Nominal sampling interval	900 seconds
Integration period	900 seconds
Actual sampling interval	14.999954 minutes

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

27840; Teleost Pressure Recorder
32428; I.O.S. Data Processing of Off-Shore Pressure Recorder Data
Project Document : 33549

==========

INFORMATION FOR BODC SERIES REF. NO. 47234

==========

Sea Floor Pressure Gauge Inventory Number : 7060

Start Time : 22 Aug 1982 2100 GMT
End Time : 17 Feb 1983 0400 GMT

Latitude : 57deg 19.0min N
Longitude : 009deg 52.5min W

Nominal Cycle Interval : 3600.0 secs

Sensor Depth : 2004.00m
Sea Floor Depth : 2004.00m

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

Project : Continental Slope Experiment (CONSLEX)

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : SA62HP5

==========

Additional information stored with the data:

Clock gained 19 seconds over 178 days 15 hours 29 minutes 41 seconds; original cycle interval and time values have been corrected.
Instrument characteristics
Station A6/2
Teleost sensor 291/2

Nominal sampling interval 900 seconds
Integration period 900 seconds
Actual sampling interval 14.999982 minutes

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

27840; Teleost Pressure Recorder
32428; I.O.S. Data Processing of Off-Shore Pressure Recorder Data
Project Document : 33549

==========

INFORMATION FOR BODC SERIES REF. NO. 47246

==========

Sea Floor Pressure Gauge Inventory Number : 7061

Start Time : 23 Aug 1982 0400 GMT
End Time : 22 Jan 1983 1500 GMT

Latitude : 58deg 11.5min N
Longitude : 009deg 57.5min W

Nominal Cycle Interval : 3600.0 secs

Sensor Depth : 1870.00m
Sea Floor Depth : 1870.00m

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

Project : Continental Slope Experiment (CONSLEX)

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : SB51HP5

==========

Additional information stored with the data:

Battery supplies ran out before recovery, thus no timing information available.
Instrument characteristics
Station B5/1
Teleost sensor 283/5

Nominal sampling interval 900 seconds
Integration period 900 seconds

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

27840; Teleost Pressure Recorder
32428; I.O.S. Data Processing of Off-Shore Pressure Recorder Data
Project Document : 33549

==========

INFORMATION FOR BODC SERIES REF. NO. 47258

==========

Sea Floor Pressure Gauge Inventory Number : 7062

Start Time : 23 Aug 1982 0000 GMT
End Time : 11 Feb 1983 1500 GMT

Latitude : 58deg 11.5min N
Longitude : 009deg 57.5min W

Nominal Cycle Interval : 3600.0 secs

Sensor Depth : 1870.00m
Sea Floor Depth : 1870.00m

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

Project : Continental Slope Experiment (CONSLEX)

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : SB52AP5

==========

Additional information stored with the data:

Instrument samples temperature and pressure alternately, therefore interval between 2 consecutive pressure values is 1 hour. Clock lost 50 seconds over 172 days 16 hours 0 minutes 50 seconds; original cycle interval and time values have been corrected. Instrumental drift large - approximately 3001 millibars.
Instrument characteristics
Station B5/2(A)
Aanderaa 4A sensor 281/3

Nominal sampling interval 3600 seconds
Integration period 27 seconds
Actual sampling interval 60.000202 minutes

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

27823; Aanderaa Pressure Recorder Type TG-4A
32428; I.O.S. Data Processing of Off-Shore Pressure Recorder Data
Project Document : 33549

==========

INFORMATION FOR BODC SERIES REF. NO. 47271

==========

Sea Floor Pressure Gauge Inventory Number : 7063

Start Time : 24 Aug 1982 1000 GMT
End Time : 22 Oct 1982 1600 GMT

Latitude : 58deg 59.2min N
Longitude : 007deg 23.9min W

Nominal Cycle Interval : 3600.0 secs

Sensor Depth : 206.00m
Sea Floor Depth : 206.00m

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

Project : Continental Slope Experiment (CONSLEX)

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : SC1HP5

==========

Additional information stored with the data:

Instrument was trawled and recovered from Brest, France. Clock gained zero minutes over 59 days 19 hours 45 minutes; no correction made.
Instrument characteristics
Station C1
Teleost sensor 281

Nominal sampling interval 900 seconds
Integration period 900 seconds

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

27840; Teleost Pressure Recorder
32428; I.O.S. Data Processing of Off-Shore Pressure Recorder Data
Project Document : 33549

==========

INFORMATION FOR BODC SERIES REF. NO. 47283

==========

Sea Floor Pressure Gauge Inventory Number : 7064

Start Time : 23 Aug 1982 0000 GMT
End Time : 12 Feb 1983 0700 GMT

Latitude : 59deg 11.7min N
Longitude : 007deg 41.3min W

Nominal Cycle Interval : 3600.0 secs

Sensor Depth : 1095.00m
Sea Floor Depth : 1095.00m

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

Project : Continental Slope Experiment (CONSLEX)

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : SC41AP5

==========

Additional information stored with the data:

Instrument samples temperature and pressure alternately, therefore interval between 2 consecutive pressure values is 1 hour. Clock gained 43 seconds over 172 days 10 hours 59 minutes 17 seconds; original cycle interval and time values have been corrected.
Instrument characteristics
Station C4/1
Aanderaa 4A sensor 282/3

Nominal sampling interval 3600 seconds
Integration period 27 seconds
Actual sampling interval 59.999825 minutes

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

27823; Aanderaa Pressure Recorder Type TG-4A
32428; I.O.S. Data Processing of Off-Shore Pressure Recorder Data
Project Document : 33549

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INFORMATION FOR BODC SERIES REF. NO. 47295

==========

Sea Floor Pressure Gauge Inventory Number : 7065

Start Time : 24 Aug 1982 0000 GMT
End Time : 09 Feb 1983 0500 GMT

Latitude : 59deg 11.7min N
Longitude : 007deg 41.3min W

Nominal Cycle Interval : 3600.0 secs

Sensor Depth : 1095.00m
Sea Floor Depth : 1095.00m

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

Project : Continental Slope Experiment (CONSLEX)

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : SC42HP5

==========

Additional information stored with the data:

Clock lost 1 minute 32 seconds over 169 days 5 hours 1 minute 32 seconds; original cycle interval and time values have been corrected.
Instrument characteristics
Station C4/2
Teleost sensor 292/1

Nominal sampling interval 900 seconds
Integration period 900 seconds
Actual sampling interval 15.000092 minutes

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

27840; Teleost Pressure Recorder
32428; I.O.S. Data Processing of Off-Shore Pressure Recorder Data
Project Document : 33549

==========

INFORMATION FOR BODC SERIES REF. NO. 47302

==========

Sea Floor Pressure Gauge Inventory Number : 7066

Start Time : 27 Aug 1982 1900 GMT
End Time : 16 Nov 1982 1600 GMT

Latitude : 59deg 38.7min N
Longitude : 006deg 00.5min W

Nominal Cycle Interval : 3600.0 secs

Sensor Depth : 200.00m
Sea Floor Depth : 200.00m

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

Project : Continental Slope Experiment (CONSLEX)

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : SD11HP5

==========

Additional information stored with the data:

Instrument came ashore in the Shetland Islands. Clock gained zero seconds over 81 days 5 hours 15 minutes; no correction made.
Instrument characteristics
Station D1/1
Teleost sensor digiquartz 287/3

Nominal sampling interval 900 seconds
Integration period 900 seconds

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

27840; Teleost Pressure Recorder
32428; I.O.S. Data Processing of Off-Shore Pressure Recorder Data
Project Document : 33549

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INFORMATION FOR BODC SERIES REF. NO. 47314

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Sea Floor Pressure Gauge Inventory Number : 7067

Start Time : 03 Feb 1983 2100 GMT
End Time : 13 Feb 1983 0800 GMT

Latitude : 59deg 38.7min N
Longitude : 006deg 00.5min W

Nominal Cycle Interval : 3600.0 secs

Sensor Depth : 200.00m
Sea Floor Depth : 200.00m

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

Project : Continental Slope Experiment (CONSLEX)

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : SD12HP5

==========

Additional information stored with the data:

Clock gained zero seconds over 9 days 19 hours 15 minutes; no correction made. Instrumental drift was zero.
Instrument characteristics
Station D1/2
Teleost sensor digiquartz 287/4

Nominal sampling interval 900 seconds
Integration period 900 seconds

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

27840; Teleost Pressure Recorder
32428; I.O.S. Data Processing of Off-Shore Pressure Recorder Data
Project Document : 33549

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INFORMATION FOR BODC SERIES REF. NO. 47326

==========

Sea Floor Pressure Gauge Inventory Number : 7068

Start Time : 09 Oct 1982 2300 GMT Latitude : 60deg 31.7min N
End Time : 20 Mar 1983 0100 GMT Longitude : 004deg 58.8min W

Nominal Cycle Interval : 3600.0 secs

Positional Uncertainty : 0.1 to 0.5 n.miles

Project : Continental Slope Experiment (CONSLEX)

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : SE3DP5

==========

Additional information stored with the data:

Clock lost 64 seconds over 204 days 1 hour 38 minutes 34 seconds; original cycle interval and time values have been corrected.
Instrument characteristics
Station E3
OSTG Mark IV No. 1 sensors B+H2
DQ 2262 (BODC series reference 47326)

Nominal sampling interval 225 seconds
Integration period 225 seconds
Actual sampling interval 3.750014 minutes

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

32414; I.O.S. Mk IV Pressure Recorder
32428; I.O.S. Data Processing of Off-Shore Pressure Recorder Data
Project Document : 33549

==========

INFORMATION FOR BODC SERIES REF. NO. 47338

==========

Sea Floor Pressure Gauge Inventory Number : 7068

Start Time : 09 Oct 1982 2300 GMT Latitude : 60deg 31.7min N
End Time : 23 Mar 1983 1200 GMT Longitude : 004deg 58.8min W

Nominal Cycle Interval : 3600.0 secs

Positional Uncertainty : 0.1 to 0.5 n.miles

Project : Continental Slope Experiment (CONSLEX)

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : SE3DP6

==========

Additional information stored with the data:

Clock lost 64 seconds over 204 days 1 hour 38 minutes 34 seconds; original cycle interval and time values have been corrected.
Instrument characteristics
Station E3
OSTG Mark IV No. 1 sensors B+H2
DQ 2262 (BODC series reference 47326)

Nominal sampling interval 225 seconds
Integration period 225 seconds
Actual sampling interval 3.750014 minutes

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

32414; I.O.S. Mk IV Pressure Recorder
32428; I.O.S. Data Processing of Off-Shore Pressure Recorder Data
Project Document : 33549

==========

INFORMATION FOR BODC SERIES REF. NO. 47351

==========

Sea Floor Pressure Gauge Inventory Number : 7069

Start Time : 04 Oct 1982 0000 GMT
End Time : 16 Mar 1983 0700 GMT

Latitude : 61deg 07.9min N
Longitude : 001deg 33.1min W

Nominal Cycle Interval : 3600.0 secs

Sensor Depth : 185.00m
Sea Floor Depth : 185.00m

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

Project : Continental Slope Experiment (CONSLEX)

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : SF1HP5

==========

Additional information stored with the data:

Clock gained 35 seconds over 163 days 15 hours 14 minutes 25 seconds; original cycle interval and time values have been corrected. Instrument drift was approximately 30 millibars.
Instrument characteristics
Station F1
Teleost sensor 284

Nominal sampling interval	900 seconds
Integration period	900 seconds
Actual sampling interval	14.999963 minutes

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

27840; Teleost Pressure Recorder
32428; I.O.S. Data Processing of Off-Shore Pressure Recorder Data
Project Document : 33549

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INFORMATION FOR BODC SERIES REF. NO. 47363

==========

Sea Floor Pressure Gauge Inventory Number : 7070

Start Time : 04 Oct 1982 0600 GMT
End Time : 20 Feb 1983 0000 GMT

Latitude : 61deg 24.2min N
Longitude : 002deg 05.6min W

Nominal Cycle Interval : 3600.0 secs

Sensor Depth : 1025.00m
Sea Floor Depth : 1025.00m

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

Project : Continental Slope Experiment (CONSLEX)

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : SF3DP5

==========

Additional information stored with the data:

Clock lost 1 minute 7 seconds over 175 days 19 hours 31 minutes 7 seconds; the original cycle interval and time values have been corrected. Batteries failed on sensor B+H5 (BODC series reference 47363) near the end of the deployment period. This sensor was much noisier than sensor DQ 3845 (BODC series reference 47375) for the first 10 days of deployment. Drift on sensor DQ 3845 was small (approximately 12 millibars).

Instrument characteristics
Station F3

OSTG Mark IV No. 2	sensors	B+H5	(BODC series reference 47363)
		DQ 3845	(BODC series reference 47375)

Nominal sampling interval	225 seconds
Integration period	225 seconds
Actual sampling interval	225.00099 seconds

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

32414; I.O.S. Mk IV Pressure Recorder
32428; I.O.S. Data Processing of Off-Shore Pressure Recorder Data
Project Document : 33549

==========

INFORMATION FOR BODC SERIES REF. NO. 47375

==========

Sea Floor Pressure Gauge Inventory Number : 7070

Start Time : 04 Oct 1982 0600 GMT
End Time : 15 Mar 1983 1800 GMT
Latitude : 61deg 24.2min N
Longitude : 002deg 05.6min W

Nominal Cycle Interval : 3600.0 secs
Sensor Depth : 1025.00m
Sea Floor Depth : 1025.00m

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

Project : Continental Slope Experiment (CONSLEX)

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : SF3DP6

==========

Additional information stored with the data:

Clock lost 1 minute 7 seconds over 175 days 19 hours 31 minutes 7 seconds; the original cycle interval and time values have been corrected. Batteries failed on sensor B+H5 (BODC series reference 47363) near the end of the deployment period. This sensor was much noisier than sensor DQ 3845 (BODC series reference 47375) for the first 10 days of deployment. Drift on sensor DQ 3845 was small (approximately 12 millibars).
Instrument characteristics
Station F3
OSTG Mark IV No. 2 sensors B+H5 (BODC series reference 47363)
DQ 3845 (BODC series reference 47375)

Nominal sampling interval 225 seconds
Integration period 225 seconds
Actual sampling interval 225.00099 seconds

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

32414; I.O.S. Mk IV Pressure Recorder
32428; I.O.S. Data Processing of Off-Shore Pressure Recorder Data
Project Document : 33549

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INFORMATION FOR BODC SERIES REF. NO. 47387

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Sea Floor Pressure Gauge Inventory Number : 7071

Start Time : 06 Oct 1982 0200 GMT
End Time : 17 Mar 1983 0300 GMT
Latitude : 61deg 30.0min N
Longitude : 000deg 01.3min E

Nominal Cycle Interval : 3600.0 secs
Sensor Depth : 190.00m
Sea Floor Depth : 190.00m

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

Project : Continental Slope Experiment (CONSLEX)

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : SG1HP5

==========

Additional information stored with the data:

Clock lost 17 seconds over 162 days 9 hours 15 minutes 17 seconds; the original cycle interval and time values have been corrected. This instrument was moved to a new position at 0707h 29 Jan 1983 which was evident by a datum shift in the data. The data before and after the change are of good quality. Instrumental drift was zero.
Instrument characteristics
Station G1
Teleost sensor 289

Nominal sampling interval 900 seconds
Integration period 900 seconds
Actual sampling interval 15.000018 minutes

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

27840; Teleost Pressure Recorder
32428; I.O.S. Data Processing of Off-Shore Pressure Recorder Data
Project Document : 33549

==========

INFORMATION FOR BODC SERIES REF. NO. 47399

==========

Sea Floor Pressure Gauge Inventory Number : 7072

Start Time : 05 Oct 1982 0200 GMT
End Time : 18 Mar 1983 0100 GMT
Latitude : 63deg 07.9min N
Longitude : 000deg 00.4min W

Nominal Cycle Interval : 3600.0 secs
Sensor Depth : 1579.00m
Sea Floor Depth : 1579.00m

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

Project : Continental Slope Experiment (CONSLEX)

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : SG4DP5

==========

Additional information stored with the data:

Clock lost 1 minute 15 seconds over 178 days 19 hours 1 minute 15 seconds; the original cycle interval and time values have been corrected.
Instrument characteristics
Station G4
OSTG Mark IV No. 3 sensors B+H4 (BODC series reference 47399)
DQ 5997 (BODC series reference 47406)

Nominal sampling interval 225 seconds
Integration period 225 seconds
Actual sampling interval 225.001092 seconds

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

32414; I.O.S. Mk IV Pressure Recorder
32428; I.O.S. Data Processing of Off-Shore Pressure Recorder Data
Project Document : 33549

==========

INFORMATION FOR BODC SERIES REF. NO. 47406

==========

Sea Floor Pressure Gauge Inventory Number : 7072

Start Time : 05 Oct 1982 0200 GMT
End Time : 18 Mar 1983 0100 GMT

Latitude : 63deg 07.9min N
Longitude : 000deg 00.4min W

Nominal Cycle Interval : 3600.0 secs

Sensor Depth : 1579.00m
Sea Floor Depth : 1579.00m

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

Project : Continental Slope Experiment (CONSLEX)

Data Category : Offshore sea floor pressure series
Instrument Type : Tide gauge (unspecified)
Instrument Mounting : Sea floor - fixed
Originator Laboratory : Proudman Oceanographic Laboratory, Bidston, UK
Originator's Identifier : SG4DP6

==========

Additional information stored with the data:

Clock lost 1 minute 15 seconds over 178 days 19 hours 1 minute 15 seconds; the original cycle interval and time values have been corrected.
Instrument characteristics
Station G4
OSTG Mark IV No. 3 sensors B+H4 (BODC series reference 47399)
DQ 5997 (BODC series reference 47406)

Nominal sampling interval 225 seconds
Integration period 225 seconds
Actual sampling interval 225.001092 seconds

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

32414; I.O.S. Mk IV Pressure Recorder
32428; I.O.S. Data Processing of Off-Shore Pressure Recorder Data
Project Document : 33549

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SECTION B

GENERAL DOCUMENTATION

BODC HEADED DOCUMENT NO. 27728

Applies to BODC Series Ref. Nos.: 33693, 33700, 33736, 33785, 36955, 36967, 37018, 37031, 37725, 37737, 37749, 37750, 37762, 37774, 37786, 37798, 40862, 40874, 40886, 40898, 40905, 40917, 40942, 40954, 41029, 41030, 41042, 41054, 41183, 41275, 41318, 41331, 41380, 41392, 41411, 41423, 41435

Off-Shore Tide Gauge Type I

This instrument was developed at I.O.S. Wormley. It incorporates a seabed mounted pressure transducer interfaced to a 12 channel Normalair-Garret data logger housed in a 56cm diameter aluminium pressure sphere. The frequency modulated (FM) transducer consists of a diaphragm which when flexed by changing hydrostatic pressure varies the gap of a parallel plate timing capacitor in an LC oscillator circuit. The pressure casing enclosing the transducer circuitry is evacuated so that absolute rather than relative pressure is measured. The frequency output is divided down to about 100Hz and is counted over a period of 890 seconds to average out the unwanted fluctuations due to waves: this sampling period gives 50dB (99.999 p. cent) attenuation of energy from 10 second period waves, but only 0.006dB (0.14 p. cent) attenuation of semi diurnal tidal energy. The integration period of 890 seconds and the subsequent 10 second scanning and recording sequence are controlled by 900 second pulses from a crystal clock. The reading from each channel is recorded serially in either 3 or 4 decade BCD on 0.25 inch magnetic tape and a parity bit is added during each scan by the digital serializer. A synchronizing signal is recorded on a second track of the tape to assist in translating the magnetic tape during the data processing. The sphere containing the data logger and interfacing electronics is mounted in a tripod frame made of tubular steel with the pressure transducer mounted on the base of the framework and beneath the sphere. The tripod is supported on a disposable heavy ballast frame consisting of welded girders and the two frames are connected by 3 corrodible magnesium alloy links and a pyrotechnic release mechanism. The recorders are deployed as pop up moorings and released by acoustic release.

BODC HEADED DOCUMENT NO. 27731

Applies to BODC Series Ref. Nos.: 33693, 33700, 33712, 33724, 33736,
33748, 33761, 33773, 33785, 33797, 33804, 33816,
33828, 33841, 33853, 33865, 33877, 33889, 33890,
33908, 33921, 33933, 33945, 33957, 33969, 33970,
33982, 33994, 34008, 34021, 34033, 34045, 34057,
34069, 34070, 34082, 34094, 34101, 34113, 34125,
34137, 34149, 34174, 34186, 34198, 34205, 34217,
34229, 34230, 34242, 34254, 34266, 34278, 34291,
34309, 34310, 34322, 34334

I.O.S. Calibration and Data Processing of Off-Shore Tide Gauge Data

Calibration of pressure/frequency sensors and thermistors are carried out using the facilities and staff at I.O.S. Bidston with the exception of pre 1975 pressure/frequency sensors, which were calibrated in the pressure chamber at I.O.S. Wormley.

The data are copied from the logger magnetic tape to 9 track magnetic tape and disk. The data are either listed or plotted as an initial check. A program is then used to check the data from the temperature sensor channels, calculate and plot the temperature values and store them (if temperature sensor channels are available). A second program performs a similar function for the pressure sensor channel, using the pressure frequency coefficient to convert each pressure frequency to the frequency at the reference temperature and calculating the pressures using the pressure frequency calibration. The data values, generally at 15 minute intervals, but occasionally at 10 minute intervals, of pressure are then plotted and stored. If waterhead is required, it may be computed by subtracting atmospheric pressure and applying the hydrostatic relation:-

H = P / (d * g)
H = waterhead (cm)
P = pressure (0.01 mb)
d = density (kg/m3)
g = gravitational acceleration (m/s2)

BODC HEADED DOCUMENT NO. 27762

Applies to BODC Series Ref. Nos.: 33712, 33724, 33748, 33761, 33773, 33797, 33804, 33828, 33841, 33853, 33890, 33908, 33970, 40929, 40978, 40991, 41005

Off-Shore Tide Gauge Mark II

This instrument was developed by Marconi Space and Defence Systems Limited in conjunction with I.O.S. Bidston. The data logger can sample a maximum of 20 input channels at periodic intervals and record their values by means of an incremental tape recorder in a computer compatible format. Any input channel is capable of sampling either D.C. or frequency modulated A.C. inputs - the FM inputs can be sampled for periods of 15/64, 15/16, 3.75, 15 or 60 seconds or continuously (i.e. the integrating time is virtually equal to the sampling period of the data from the channels). The number of channels scanned can be truncated to less than 20 and the sampling interval can be 1.875, 3.75, 7.5, 15, 30 or 60 minutes. Sensor packs used with the logger incorporate both a pressure and a temperature sensor and are completely self contained units with their own sensor electronics and power supplies. Different types of pressure sensor based on either strain gauge, vibrating wire or quartz crystal systems have been used on the tide gauge. A brief description of each is given below.

1) The strain gauge sensor has been developed using a Bell and Howell type 4-306 transducer and operates as a phase shift oscillator whose frequency is controlled by the ratio of output to input voltage of the transducer Wheatstone bridge network.

2) The vibrating wire sensor consists of a tungsten wire stretched between a rigid frame and a diaphragm and mounted in a magnetic field. Any movement of the diaphragm due to a change of pressure will increase or decrease the tension of the wire and hence change its natural frequency of oscillation. The wire is connected in the feedback loop of an amplifier and thus makes a variable frequency oscillator where frequency is a function of pressure. To achieve temperature compensation for the coefficient of expansion of the wire, the coefficient of expansion of the supporting frame is designed to balance the expansion of the wire. These sensors are manufactured by Vibroton and Ocean Applied Research.

3) Two types of quartz crystal pressure sensor have been used. The Digiquartz pressure sensor consists of a convoluted bellow linked to a 40kHz quartz crystal resonator coupled by piezoelectric action to an electronic resonator. The Hewlett Packard Oceanographic sensor consists of a 5MHz quartz resonator coupled by piezoelectric action to an electronic oscillator and mounted in an oil filled case adjacent to a pressure case containing the electronic circuitry. A second closely matched quartz crystal resonator is mounted in the pressure case and is therefore not exposed to hydrostatic pressure and is used for temperature compensation by heterodyning the frequency outputs of the two crystals.

The data logger and batteries are housed in a 56cm diameter aluminium sphere with sufficient space for the sensor batteries, acoustic release electronics and ancillary sensor electronics. The sphere and a number of sensor packs are mounted in an aluminium sub-frame which in turn is

protected by a heavy steel outer frame. The Mk II tide gauge is usually deployed using a U-shaped mooring (i.e. buoy or pellet float to wire rope to tide gauge to ground line to anchor to wire rope to buoy), but W-shaped moorings are used in conjunction with either current meters or thermistor chains. A W-shaped mooring comprises pellet float to pellet line to sub-surface buoy to current meter or thermistor line to anchor weight to ground line to tide gauge to ground line to anchor weight to wire rope to surface buoy.

BODC HEADED DOCUMENT NO. 27793

Applies to BODC Series Ref. Nos.: 33816, 33865, 33877, 33933, 33957, 34008, 34069, 34070, 34149, 34174, 34230, 34242, 47209, 47210

Aanderaa Current Meter/Pressure Recorder

The instrument comprises a bottom mounted rig which utilises a Digiquartz sensor and an Aanderaa current meter (with the adaption of a small vane replacing the normal vane) both interfaced into a modified Aanderaa current meter logger. Current meter speed and absolute pressure count are integrated over a pre-selected period (usually 10 or 15 minutes) and sampled by the logger at the same pre-selected time interval, together with spot readings of vane direction, temperature, elapsed time and rig orientation. The pressure sensor consists of a convoluted bellows linked to a 40kHz quartz crystal resonator coupled by piezoelectric action to an electronic resonator. A quartz crystal clock is used for controlling the sampling interval. The data are recorded on magnetic tape as 10 bit binary words in serial form with the frequency count from the pressure sensor stored as most and last significant counts. The pressure sensor pack, containing the Digiquartz type 2-300a quartz crystal pressure transducer but no temperature transducer, is mounted approximately 1m above the rig base, with the current meter 0.7m above the base. The rig is 1.5m in height and the base is formed by a tripod with legs of length approximately 0.7m. The current meter/pressure recorder is usually deployed using a U-shaped mooring (i.e. buoy or pellet float to wire rope to tide gauge to ground line to anchor to wire rope to buoy), but W-shaped moorings are used in conjunction with either current meters or thermistor chains. A W-shaped mooring comprises pellet float to pellet line to sub-surface buoy to current meter or thermistor line to anchor weight to ground line to tide gauge to ground line to anchor weight to wire rope to surface buoy.

BODC HEADED DOCUMENT NO. 27806

Applies to BODC Series Ref. Nos.: 33889, 33921, 33945, 33969, 34021, 34186, 40966

Aanderaa Pressure Recorder Type TG-2A and WLR-5

Pressure recorder TG-2A (serial number 64) was used until the end of 1979. It was then returned to Aanderaa Instruments Limited who carried out modifications changing it to the specification of an Aanderaa WLR-5. Hence from 1980 onwards the instrument is known as Aanderaa WLR-5 (serial number 500).

The Aanderaa recorder uses a Digiquartz type 2-300a quartz crystal pressure transducer. The pressure sensor consists of a convoluted bellows linked to a 40kHz quartz crystal resonator coupled by piezoelectric action to an electronic resonator. The sensor pack is mounted in a low profile steel tripod frame 0.76m by 1.183m in size with the sensor level approximately 0.48m above the frame base. Data are recorded on to 0.25 inch magnetic tape on an Aanderaa data logger in the same case. A quartz crystal clock is used for controlling the sampling interval. The data are recorded as 10 bit binary words in serial form with the frequency count from the sensor stored as the most and least significant counts. There is no temperature sensor. The tide gauge is usually deployed using a U-shaped mooring (i.e. buoy or pellet float to wire rope to tide gauge to ground line to anchor to wire rope to buoy), but W-shaped moorings are used in conjunction with either current meters or thermistor chains. A W-shaped mooring comprises pellet float to pellet line to sub-surface buoy to current meter or thermistor line to anchor weight to ground line to tide gauge to ground line to anchor weight to wire rope to surface buoy.

BODC HEADED DOCUMENT NO. 27823

Applies to BODC Series Ref. Nos.: 34278, 34291, 36783, 36795, 36863, 37006, 41588, 47258, 47283

Aanderaa Pressure Recorder Type TG-4A

The Aanderaa recorder uses a Digiquartz type 2-300a quartz crystal pressure transducer. The pressure sensor consists of a convoluted bellows linked to a 40kHz quartz crystal resonator coupled by piezoelectric action to an electronic resonator. Data are recorded on to 0.25 inch magnetic tape on an Aanderaa data logger in the same case. A quartz crystal clock is used for controlling the sampling interval. The data are recorded as 10 bit binary words in serial form with the frequency count from the sensor stored as the most and least significant counts. The pressure recorder is a deep water instrument and is usually deployed on a pop up mooring.

BODC HEADED DOCUMENT NO. 27840

Applies to BODC Series Ref. Nos.: 33982, 33994, 34033, 34045, 34057, 34082, 34094, 34101, 34113, 34125, 34137, 34198, 34205, 34217, 34229, 34254, 34266, 34309, 34310, 34322, 34334, 36851, 36918, 47222, 47234, 47246, 47271, 47295, 47302, 47314, 47351, 47387

Teleost Pressure Recorder

This instrument was developed at I.O.S. Bidston. Each recorder consists of a Bell and Howell strain gauge or a Digiquartz pressure transducer. The strain gauge sensor uses a Bell and Howell type 4-306 transducer and operates as a phase shift oscillator whose frequency is controlled by the ratio of output to input voltage of the transducer Wheatstone bridge network. The quartz crystal pressure sensor consists of a convoluted bellows linked to a 40kHz quartz crystal resonator coupled by piezoelectric action to an electronic resonator. The pressure and temperature recorder consists of an Aanderaa current meter type logger modified to accept input from a pressure sensor containing a Bell and Howell strain gauge or a Digiquartz pressure transducer and a platinum resistance thermometer. The pressure and temperature transducers are mounted in the same heat sink for compatible data. The pressure sensors are mounted in a protective frame of dimensions 1.75m by 1.14m by 0.66m, attached to a ballast plate or frame. Teleost recorders are deployed as pop-up moorings and released from their ballast frames by firing a pyrotechnic release by acoustic command.

BODC HEADED DOCUMENT NO. 32414

Applies to BODC Series Ref. Nos.: 36734, 36746, 36758, 36771, 36802, 36814, 36875, 36887, 36899, 36906, 36931, 36943, 36979, 36980, 36992, 41195, 41202, 41287, 41299, 41306, 41367, 41379, 41460, 41472, 41484, 41496, 41503, 41515, 41527, 41552, 41564, 41576, 47326, 47338, 47363, 47375, 47399, 47406

I.O.S. Mk IV Pressure Recorder

This instrument was developed at I.O.S. Bidston and is a deep water pressure recorder (i.e. used at depths between 300m and 5000m). Each recorder consists of one or two Bell and Howell strain gauges and/or a Digiquartz pressure sensor and a temperature sensor. The sensors are interfaced into a Seadata cassette recording system. Sampling is usually every 3.75 minutes with the integration period equal to the sampling interval, but may be set to other sampling intervals. For example with a 3 second sampling interval and integration period the instrument may be used as a wave recorder.

The recorder is housed in a tubular aluminium frame 1.3m in diameter by 1.4m in height attached to a disposable steel ballast weight. The data logger together with the associated battery supply is lowered into a central 15cm (internal diameter) aluminium tube. Sensors are mounted externally with Marsh Marine connectors. The assembly free falls to the sea floor. An acoustic release system is used to separate the ballast weight and buoyancy is provided by Corning glass spheres attached to the aluminium frame.

BODC HEADED DOCUMENT NO. 32428

Applies to BODC Series Ref. Nos.: 36734, 36746, 36758, 36771, 36783, 36795, 36802, 36814, 36851, 36863, 36875, 36887, 36899, 36906, 36918, 36931, 36943, 36955, 36967, 36979, 36980, 36992, 37006, 37018, 37031, 47209, 47210, 47222, 47234, 47246, 47258, 47271, 47283, 47295, 47302, 47314, 47326, 47338, 47351, 47363, 47375, 47387, 47399, 47406

I.O.S. Data Processing of Off-Shore Pressure Recorder Data

Data processing consists of two stages:-

1. Pressures have been sample rate reduced from the basic time step of the recorder to produce the hourly values and have been interpolated by a cubic spline to generate the value on cardinal hours.
2. Instrumental drift has been removed and the drift free series is produced with an artificial mean value, usually of 100mbar.

BODC HEADED DOCUMENT NO. 34098

Applies to BODC Series Ref. Nos.: 41066, 41078, 41091, 41109, 41110, 41122, 41134, 41146, 41158, 41171, 41214, 41226, 41238, 41251, 41263, 41343, 41355, 41447, 41459, 41539, 41540

I.O.S. Off-Shore Pressure Recorder Mark III

The main part of the capsule is a forged aluminium sphere of 0.66m internal diameter, which contains the data logging system, acoustic command and release units and all battery supplies. Each half of the sphere is bolted to a central equatorial ring, a seal being provided by O rings. There are twelve outlets through this ring for Marsh Marine type electrical connectors. The sphere is housed in a free flooding tubular aluminium alloy frame. Also mounted on this frame are 2 pressure transducers, a sea temperature unit, 2 subsidary platinum resistance thermometers for measuring sea temperature and 2 wound nickel scrolls that act as acoustic pinger beacons. The frame and sphere, complete with attachments, have a positive buoyancy, and in order to anchor them, they are mounted on a steel tripod. The tripod is attached to the main frame by a central pyro-release unit.

The system incorporates a commercial data logger modified to operate in the deep sea capsule. The logger will accept input from a total of twelve separate sources or channels. The temperature and pressure sensors have variable frequency outputs. The frequencies are counted over a 890 second period and the total count for each channel is then recorded during a scan of all channels which lasts for 10 seconds. Thus the averaged integrated pressure and temperature values are logged every 15 minutes. Temperature is measured to correct for the temperature coefficient of the pressure transducers.

BODC DATA ACTIVITY DOCUMENT NO. 31031

Applies to BODC Series Ref. Nos.: 33945

5 meters were deployed on the mooring; data from the upper middle and lower middle meters are not included as they were measuring inclination (every 30 seconds) rather than current velocity. In addition the meter anchor was a ballast frame which housed two pressure recorders and an acoustic release.

BODC DATA ACTIVITY DOCUMENT NO. 63724

Applies to BODC Series Ref. Nos.: 33797, 33865, 33877, 37749, 37762, 37774, 37786, 40929

Mooring held 2 meters.

BODC PROJECT DOCUMENT NO. 12764

Applies to BODC Series Ref. Nos.: 33816, 33828, 33841, 33853, 41183, 41275

Joint North Sea Data Acquisition Project for 1976 (JONSDAP 76)

This is the third phase of the cooperative data collection programme JONSDAP, begun in 1970 by the countries bordering the North Sea. It consists of two intensive measurement programmes.

FLEX - the Fladen Ground Experiment - to study the development of the thermocline and the dynamics of the plankton bloom in spring in relation to the physical, chemical and biological environment. Measurements are concentrated in a square of side 100km for 100 days from March to June.

INOUT is concerned with the general circulation of the North Sea and the storm surge problem. Currents flowing into and out of the open boundaries as well as at discrete points within the sea, are measured concentrating on a period of 40 days in the stormy season from March to April. Some 200 current meters (most also recorded temperature) of which 30 were lost, and 5 offshore tide gauges were deployed over 83 stations and more than 10 ships collected hydrographic data. The Netherlands organised a collection of meteorological data. The northern boundary of INOUT is from Wick to 59deg 20min N, 0deg E then along this latitude to the Norwegian coast. The southern boundary crosses the English Channel from Portland to Cherbourg along the meridian 2deg W (approx).

One of the most important reasons for the cooperative exercise, pooling data, was the need to provide large data sets for the evaluation and running of physical and ecosystem numerical models. Data underwent intradisciplinary processing and interdisciplinary evaluation.

Intercomparison of Instruments:

There was no field comparison station for moored instrumentation. Laboratory techniques in use for calibrating current meter compasses were compared and shortcomings eliminated prior to the exercise. The two main types (Plessey and Aanderaa) of current meter used in the exercise were compared in a simplistic way on four of the rigs and showed that at certain times the two types could give differing responses to the same velocity field simply because of differences in instrument and rig design. This point should be borne in mind whenever comparing data across instruments.

Previous JONSDAP Exercises:

The first JONSDAP: this achieved the systematic collection of data from all moored stations and coastal observation sites in the North Sea in the period 1971 to 1973. The second: JONSDAP 73 was a programme of tide and current measurement in the Southern Bight of the North Sea from September to October 1973.

BODC PROJECT DOCUMENT NO. 26423

Applies to BODC Series Ref. Nos.: 33736, 33748, 33761

Joint North Sea Data Acquisition Project for 1973 (JONSDAP 73)

This is the second phase of the cooperative data collection programme JONSDAP which was begun in 1970 by the countries bordering the North Sea. This phase, JONSDAP 73, was a programme of tide and current measurement in the Southern Bight of the North Sea from September to October 1973.

Other JONSDAP exercises:

The first JONSDAP achieved the systematic collection of data from moored stations and coastal observation sites in the North Sea in the period 1971 to 1973. The third, JONSDAP 76, consisted of two intensive measurement programmes: i) FLEX, the Fladen Ground Experiment, to study the development of the thermocline and the dynamics of the plankton bloom and ii) INOUT, concerned with the general circulation of the North Sea and the storm surge problem.

BODC PROJECT DOCUMENT NO. 27217

Applies to BODC Series Ref. Nos.: 34008, 34021, 34033

IOS North Channel Experiment 1979

An experiment was conducted by I.O.S. Bidston in the North Channel of the Irish Sea, during August and September 1979, in order to study the tidal and non-tidal dynamics of the region. Currents were measured at eight stations, sea bed pressures were measured at three stations and coastal tide gauges installed to measure sea surface elevations at four sites. A density survey of the area was carried out by continuously monitoring sea surface temperature and sea water conductivity, and by taking profiles of temperature and conductivity with depth.

BODC PROJECT DOCUMENT NO. 27220

Applies to BODC Series Ref. Nos.: 33957, 33969, 33970, 33982

IOS Celtic Sea Experiment 1978

An experiment was conducted by I.O.S. Bidston in the Celtic Sea and South West Approaches to the U.K. during the period March to May 1978. Currents and sea bed pressures were measured at each of eight stations in the Celtic Sea and one station in 4000m of water at the shelf edge. Aanderaa thermistor chains were deployed at four of the stations and profiles of sea water conductivity and temperature with depth were taken during the cruises and sea surface temperatures and conductivity were continuously monitored. Coastal tide gauges measured sea surface elevation at six sites.

BODC PROJECT DOCUMENT NO. 28542

Applies to BODC Series Ref. Nos.: 34137, 34149, 34230, 34242, 34254, 34266

IOS Celtic Sea Experiment 1980

An experiment was conducted by I.O.S. Bidston in the Celtic Sea during the period August to October 1980, in order to study sea level, vertical current structure and circulation patterns under stratified conditions. The experiment complemented one in March to May 1978 which studied the Celtic Sea under homogeneous conditions. 19 rigs containing recording current meters, thermistor chains or pressure recorders were deployed for 50 days at 8 stations. The density field was measured during both the deployment and the recovery legs by continuous monitoring of sea surface temperature and conductivity and by recording CTD profiles.

BODC PROJECT DOCUMENT NO. 28556

Applies to BODC Series Ref. Nos.: 34174, 34186, 34198, 34205, 34217, 34229

IOS North Sea Experiment 1981

An experiment was carried out by I.O.S. Bidston in the North Sea during May and June 1981. The scientific objectives were (i) to investigate the slope of the mean sea level surface between Leith and Immingham, (ii) to study the tidal energy budget in a shallow coastal region and (iii) to measure currents around a sandbank to test theories of spring neap changes in the mean currents. 24 rigs containing recording current meters, thermistor chains or pressure recorders were deployed for 40 days at 15 stations. Data from nearby coastal tide gauges were also used. The density field was measured during both the deployment and recovery legs by continuous monitoring of sea surface temperature and conductivity and by recording CTD profiles.

BODC PROJECT DOCUMENT NO. 33549

Applies to BODC Series Ref. Nos.: 47209, 47210, 47222, 47234, 47246, 47258, 47271, 47283, 47295, 47302, 47314, 47326, 47338, 47351, 47363, 47375, 47387, 47399, 47406

Continental Slope Experiment (CONSLEX)

The Continental Slope Experiment (CONSLEX) was a collaborative exercise between the Institute of Oceanographic Sciences, Scottish Marine Biological Association, Department of Agriculture and Fisheries for Scotland and the Ministry of Agriculture, Fisheries and Food designed to study water movements across the Scottish continental slope.

The experiment ran from August/September 1982 to February/March 1983. The deployments, mainly current meter moorings, were made along a set of lines defined thus:

Line	Position	Number of moorings
P	51 41N,15 26W to 51 41N,14 55W	4
A	57 18N,09 53W to 57 23N,08 30W	9
B	58 11N,09 57W to 57 57N,08 50W	7
C	59 11N,07 43W to 59 00N,07 22W	6
D	59 46N,06 16W to 59 37N,05 58W	4
E	60 31N,05 00W to 60 05N,04 29W	5
F	61 27N,02 13W to 61 08N,01 33W	6
G	63 07N,00 00W to 61 30N,00 00W	6

Bottom-mounted pressure gauges were deployed at either end of lines A-G and four temporary tide gauges were installed from Sligo (Eire) to Shetland.

The current meter temperature sensors were supplemented by three thermistor chain deployments.

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)

Parameter : PPSCZZ01 (TIDE)
Description : Total pressure (unspecified)
Method : Unspecified method
Units : Millibars

Parameter : PPSRPS01 (TIDE)
Description : Relative pressure (in-situ)
Method : In-situ pressure sensor
Units : Millibars

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
U	Uncalibrated
W	Control value
X	Excessive difference
