

**UK HYDROGRAPHIC OFFICE**  
**Maritime Environment Information Centre**

**BROKEN SERIAL DATA RECORD FORMAT (BROKEN SERD)**

<u>NUMBER OF CHARACTERS</u>	<u>SIGNIFICANT CHARACTERS</u>	<u>FIELD</u>
1	1/1	CARD NUMBER (1)
1	2/2	RECORD TYPE (MAIN = 2, CONTINUATION = 3)
2	3/4	SEQUENTIAL RECORD NUMBER (MAIN = 01, CONTINUATION = 02)
1	5/5	DATA IDENTIFIER

**START OF COMMON HEADER - REPEATED IN CONTINUATION RECORD**

1	6/6	DATA USE CODE
2	7/8	FILE CODE
3	9/11	MARSDEN SQUARE
2	12/13	DEGREE SQUARE
3	14/16	LATITUDE - DEGREES (NEGATIVE CHARACTER = SOUTH)
4	17/20	LATITUDE - TENTHS OF MINUTES (NEGATIVE CHARACTER =
		SOUTH)
4	21/24	LONGITUDE - DEGREES (NEGATIVE CHARACTER = WEST)
4	25/28	LONGITUDE - TENTHS OF MINUTES (NEGATIVE CHARACTER =
		WEST)
1	29/29	QUADRANT (ICES CODE AS OPPOSED TO WMO)
1	30/30	POSITION DETERMINATION ACCURACY
1	31/31	POSITION ACCURACY CODE
12	32/43	ADDITIONAL POSITION REFERENCE

End of card number 1 : 44 chars including data sensitive mark (ascii 012).  
There is only one of these cards per observation.

1	1/1	CARD NUMBER (2)
2	2/3	ARCHIVE YEAR
4	4/7	YEAR
2	8/9	MONTH
2	10/11	DAY
2	12/13	HOUR } GREENWICH
2	14/15	MINUTE } MEAN TIME
2	16/17	COUNTRY CODE (ICES)
2	18/19	SHIP NUMBER
1	20/20	SHIP NUMBER CODE
8	21/28	ORIGINATORS CRUISE NUMBER
6	29/34	STATION NUMBER
3	35/37	INSTITUTE NUMBER
1	38/38	INSTITUTE NUMBER CODE
1	39/39	SPACE (IF LAND CHECKED 1 IS INSERTED)
3	40/42	NUMBER OF DEPTH LEVELS

End of card number 2 : 43 chars including data sensitive mark (ascii 012).  
There is only one of these cards per observation.

**END OF COMMON HEADER**

## THE FOLLOWING FIELDS ARE IN MAIN RECORD HEADER ONLY

<u>NUMBER OF CHARACTERS</u>	<u>SIGNIFICANT CHARACTERS</u>	<u>FIELD</u>
1	1/1	CARD NUMBER (3)
5	2/6	DEPTH TO SEABED (METRES)
4	7/10	MINIMUM DEPTH
4	11/14	MAXIMUM DEPTH
3	15/17	DEPTH }
1	18/18	SPACE } CORRECTIONS
3	19/21	TEMPERATURE } (+VE OR -VE
4	22/25	SALINITY } ALWAYS USED).
3	26/28	SOUND VELOCITY }
1	29/29	UNITS
2	30/31	INSTRUMENT CODE
		32 - T4 (460m)
		33 - T7 (760m)
		34 - T5 (1830m)
		38 - T10 (200m)
1	32/32	DATA TYPE CODE
1	33/33	DATA MODE CODE
1	34/34	METHOD

End of card number 3 : 35 chars including data sensitive mark (ascii 012).  
There is only one of these cards per observation.

1	1/1	CARD NUMBER (4)
2	2/3	WIND DIRECTION
2	4/5	WIND SPEED (KNOTS)
4	6/9	DRY AIR TEMP } DEGREES AND TENTHS CELSIUS
4	10/13	WET AIR TEMP } WITH +VE, 0 OR -VE PREFIX
1	14/14	WEATHER
1	15/15	CLOUD
1	16/16	SEA STATE
2	17/18	WAVE PERIOD (SECONDS)
2	19/20	WAVE HEIGHT (HALF METRE UNITS)
5	21/25	ATMOSPHERIC PRESSURE (MILLIBARS AND TENTHS)
2	26/27	WATER COLOUR (FOREL-ULE SCALE)
2	28/29	WATER TRANSPARENCY (METRES)
1	30/30	SALINITY SCALE CODE
11	31/41	FILLER

End of card number 4 : 42 chars including data sensitive mark (ascii 012).  
There is only one of these cards.

1	1/1	CARD NUMBER (5)
70	2/71	COMMENT

End of card number 5 : 72 chars including data sensitive mark (ascii 012).  
There may be from zero to nine of these cards.

**END OF HEADER**

**DATA FIELDS**

1	1/1	CARD NUMBER (6)
1	2/2	DEPTH INDICATOR
4	3/6	DEPTH (METRES)
1	7/7	DEPTH QUALITY
4	8/11	TEMPERATURE (DEGREES CELSIUS TO HUNDREDTHS)
1	12/12	TEMPERATURE QUALITY
5	13/17	SALINITY (PPT TO THOUSANDTHS)
1	18/18	SALINITY QUALITY
5	19/23	SOUND VELOCITY (METRES/SEC TO TENTHS)
1	24/24	SOUND VELOCITY QUALITY
1	25/25	SOUND VELOCITY CODE

End of card number 6 : 26 chars including data sensitive mark (ascii 012).  
 There may be from 2 to 49 of these cards in a main record and from 1 to 50  
 In a continuation record.