

Cruise FR17/83

*Copied to deskie
4 Nov 83*

Totals Summary

Current Meters : Single Sensors 2,236 hrs 51.6 mins.
= ~0.25 million measurements!

VGU's : 72 hrs 11 mins.

Time lapse cine photography : 175 hrs.

Sediment Stations

6 Bedload sediment trap records.

4 Shipek grab samples on current meter stations.

19 Shipek Sediment Station samples.

TABLE 1

Summary of Cruise FR17/83

. Current Meters : Single Sensors & VGU's

A. SINGLE SENSORS

Station No.	Lat.	Long.	Depth	Sensor Type	Height above sea bed	Sampling Interval	Time on Sea Floor
B3569	49°13.1'N	08°40.2'W	150 m	Aanderra RCM4	1m	2 minutes	116 hrs 4 mins.
				Simrad UCM2	2.5 m	10 minutes (10 samp)	116 hrs 4 mins.
B3570	49°14.1'N	08°35.0'W	155 m	Aanderra RCM4	1m	2 minutes	116 hrs 24 mins
				Simrad UCM2	2.5 m	10 minutes (10 samp)	116 hrs 24 mins
B3571	49°15.3'N	08°30.4'W	132 m	Aanderra RCM4	4.5 m	2 minutes	72 hrs 11 mins
B3572	49°15.87'N	08°24.69'W	150 m	Aanderra RCM4	1m	2 minutes	24 hrs 32 mins
B3573	49°16.58'N	08°20.77'W	141 m	Aanderra RCM4	1m	5 minutes	409 hrs 53 mins
				Simrad UCM2	2.5 m	10 minutes (20 samp)	409 hrs 53 mins
B3574	49°16.87'N	08°15.45'W	130 m	Aanderra RCM4	1m	5 minutes	408 hrs 44 mins
				Simrad UCM2	2.5 m	10 minutes (20 samp)	408 hrs 44 mins
B3575	49°15.86'N	08°24.16'W	140 m	Aanderra RCM4	1 m	2 minutes	14 hrs 01 mins
B3576	49°15.9'N	08°25.3'W	140 m	Aanderra RCM4	1 m	2 minutes	23 hrs 37 mins
						Total record	2236 hrs 51.6mins

B. VGU's

B3571	49°15.3'N	08°30.4'W	132 m	<u>Impellars</u>			} 72 hrs 11 min
				No.1 No.2 No.3 No.4 No.5	0.10 m 0.24 m 0.45 m 0.84 m 1.56 m		
				<u>Cristie CD6</u> <u>LOGGER</u>		Queried J.H. 5 minutes	72 hrs 11 mins

TABLE 2 continued

Station No.	Latitude	Longitude	Depth	Description of Sediments
B3577 (34)	49°19.8'N	08°30.2'W	136 m	V. coarse clean sand. Shelly.
B3578 (35)	49°24.8'N	08°30.2'W	136 m	V. fine sand + mud balls <1 cm
B3579 (36)	49°29.94'N	08°30.30'W	138 m	Muddy fine sand
B3580 (37)	49°34.9'N	08°30.1'W	137 m	V. fine muddy sand
B3581 (46)	49°35.1'N	08°39.9'W	141 m	Clean coarse sand. No shells
B3582 (47)	49°30.02'N	08°39.78'W	148 m	
B3583 (48)	49°25.07'N	08°39.64'W	148 m	
B3584 (49)	49°20.01'N	08°39.80'W	147 m	
B3585 (33)	49°09.9'N	08°30.9'W	142 m	
B3586 (32)	49°05.0'N	08°29.98'W	142 m	
B3587 (31)	49°00.2'N	08°30.50'W	148 m	
B3588 (50)	49°04.8'N	08°40.20'W	146 m	
B3589 (51)	49°00.0'N	09°00.10'W	144 m	Clean coarse sand. Very shelly
B3590 (52)	49°05.1'N	09°00.10'W	142 m	60% clean coarse sand. 30% gravel
B3591 (29)	49°34.8'N	07°40.30'W	106 m	50% fine sand. 40% gravel. Shells
B3592 (28)	49°35.0'N	07°29.80'W	124 m	V. fine muddy sand
B3593 (20)	49°38.9'N	07°01.20'W	112 m	V. fine muddy sand
B3594 (19)	49°40.0'N	06°51.80'W	108 m	Fine sand
B3595 (18)	49°39.9'N	06°37.0'W	102 m	Fine sand

TABLE 2. Photography

C. Time-Lapse Cine
Photography

Station No.	Latitude	Longitude	Depth	Photographic Time on Sea Floor	Comments
B3571	49°15.3'N	08°30.4'W	132 m	25 hrs	
B3572	49°15.87'N	08°24.69'W	150 m	50 hrs	2 camera systems used of 25 hrs at same ht.
B3575	49°15.86'N	08°24.16'W	140 m	50 hrs	As for B3572
B3576	49°15.9'N	08°25.3'W	140 m	50 hrs	2 camera systems used of 25 hrs each. Cameras at different hts.
Total amount of time lapse cine photography				175 hrs	

D. Sediment Stations

D1. Bedload traps

B3572 N	49°15.87'N	08°24.19'W	150 m	-	Full trap. Clean sand. Shelly.
B3572 E	„ „	„ „	150 m	-	Full trap. Clean sand. Shelly.
B3575 N	49°15.86'N	08°24.16'W	140 m	-	$\frac{2}{3}$ trap. Clean sand. Shelly
B3575 E	„ „	„ „	140 m	-	$\frac{2}{3}$ trap. Clean sand. Few shells
B3576 N	49°15.90'N	08°25.3'W	140 m	-	A little coarse sand. Few shell fragments
B3576 E	„ „	„ „	140 m	-	EMPTY!

D2. Shipek Grab Samples

B3569	49°13.8'N	08°40.1'W	150 m	-	<u>Description of Sed.</u>
B3570	49°14.1'N	08°34.9'W	155 m	-	
B3571	49°15.1'N	08°30.1'W	132 m	-	
B3572	49°15.89'N	08°24.67'W	150 m	-	

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CURRENT METER LOG SHEET

PIUW 220000

Cruise No. *FR 17/83* CM Station No. B *3569*
Archive No. *220000* CM Designation CM *6*
Lat. *44° 13' 1" N* Long. *8° 40' 2" W* Depth (m) *150*
Date of Deployment *5/10/83* Time *12:55:44 Z* Tide *HW - 3h*
Date of Recovery *10/10/83* Time *08:47 Z* Tide
Method of Position Fixing *Derna e Sat Nav*

A. Type of Current Meter System

If VGU or similar?

Frogfall 15 sphere pop up
Aanderaa + UCMA
Descent Rate 0.94 ms⁻¹

1. Sensors

- (a) Type of sensor
- (b) Heights of sensors:-
Bottom 1 3 5 7
2 4 6 8
- (c) Date of last calibration Result
- (d) On 'BLIP': Turbidity - YES/NO; Bed Load Noise - YES/NO.

2. Logger

- (a) Type and header code
- (b) Time of first record hrs of .../.../....
- (c) Time instrument is on the sea floor hrs on .../.../....
- (d) Time instrument is off the sea floor hrs on .../.../....
- (e) Time of last record hrs on .../.../....
- (f) Data sampling interval
- (g) Total useful record on the sea floor (c to d)

3. Mooring system used

4. Photography

- (a) Type
- (b) Camera
- (c) Aperture
- (d) Focussed (m)
- (e) Camera height, vertical (m)
- (f) Lens
- (g) If stereo, interocular distance
- (h) Interval between frames
- (i) Shutter speed
- (j) Film
- (k) Start time of film
- (l) No. of photos

B. Single Sensor Meters

Where there are several meters in a string on the mooring, the
BOTTOM meter is No.1.

- METER 1. (a) Type of meter *Andromeda RCMA* (b) Meter No. *32575*
 (c) Height of sensor above sea floor (m) *1m*
 (d) Time of first record *08:04 Z* hrs on *5/10/83*
 (e) Time mooring on the sea floor *12:58:24* hrs on *5/10/83*
 (f) Time mooring off the sea floor *09:02* hrs on *10/10/83*
 (g) Time of last record *09:08:04* hrs on *10/10/83*
 (h) Total period of deployment (i.e. (e)) *116 h 4m*
 (i) Revolutions per count *1/2*
 (j) Date of last calibration Result
 (k) Sampling interval *120 s*
- METER 2. (a) Type of meter *Summa ucma 2* (b) Meter No. *23*
 (c) Height of sensor above sea floor (m) *2.5 m*
 (d) Time of first record *11:10 Z* hrs on *5/10/83*
 (e) Time mooring on the sea floor *12:58:24* hrs on *5/10/83*
 (f) Time mooring off the sea floor *09:02* hrs on *10/10/83*
 (g) Time of last record *09:10:22 Z* hrs on *10/10/83*
 (h) Total period of deployment (i.e. (e)) *116 h 4m*
 (i) Revolutions per count
 (j) Date of last calibration Result
 (k) Sampling interval *600 s*
- METER 3. (a) Type of meter (b) Meter No.
 (c) Height of sensor above sea floor (m)
 (d) Time of first record hrs on .../.../....
 (e) Time mooring on the sea floor hrs on .../.../....
 (f) Time mooring off the sea floor hrs on .../.../....
 (g) Time of last record hrs on .../.../....
 (h) Total period of deployment (i.e. (e))
 (i) Revolutions per count
 (j) Date of last calibration Result
 (k) Sampling interval
- METER 4. (a) Type of meter (b) Meter No.
 (c) Height of sensor above sea floor (m)
 (d) Time of first record hrs on .../.../....
 (e) Time mooring on the sea floor hrs on .../.../....
 (f) Time mooring off the sea floor hrs on .../.../....
 (g) Time of last record hrs on .../.../....
 (h) Total period of deployment (i.e. (e))
 (i) Revolutions per count
 (j) Date of last calibration Result
 (k) Sampling interval

*20 measurements
 @ 1.5 s
 @ 10 mins.*

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CURRENT METER LOG SHEET

Cruise No. **FR 14/83** CM Station No. **B 3570**
Archive No. **1000** CM Designation **CM 5**
Lat.: **49° 14' 10" N** Long.: **8° 35' 0" W** Depth (m) **155**
Date of Deployment **5/10/83** Time **15:30 Z** Tide **1/2 h SW-**
Date of Recovery **10/10/83** Time **10:34 Z** Tide
Method of Position Fixing **Decca**

A. Type of Current Meter System **15 phones freefall RCM4 - UCM 2**

If VGU or similar: - **Devent rate 0.861 m/s**

1. Sensors

- (a) Type of sensor
(b) Heights of sensors:-
Bottom 1 3 5 7
2 4 6 8
(c) Date of last calibration Result
(d) On 'BLIP': Turbidity - YES/NO; Bed Load Noise - YES/NO.

2. Logger

- (a) Type and header code
(b) Time of first record hrs of
(c) Time instrument is on the sea floor hrs on
(d) Time instrument is off the sea floor hrs on
(e) Time of last record hrs on
(f) Data sampling interval
(g) Total useful record on the sea floor (c to d)

3. Mooring system used

4. Photography

- (a) Type
(b) Camera
(c) Aperture
(d) Focussed (m)
(e) Camera height, vertical (m)
(f) Lens
(g) If stereo, interocular distance
(h) Interval between frames
(i) Shutter speed
(j) Film
(k) Start time of film
(l) No. of photos

B. Single Sensor Meters

Where there are several meters in a string on the mooring, the
BOTTOM meter is No.1.

METER 1. (a) Type of meter Pandora RCM4 (b) Meter No. 3826 . . .
 (c) Height of sensor above sea floor (m) . . . 1 m . . .
 (d) Time of first record 17:42.2 hrs on 5./10./83 . . .
 (e) Time mooring on the sea floor 15:33:30 hrs on 5./10./83 . . .
 (f) Time mooring off the sea floor 9:57 hrs on 10./10./83 . . .
 (g) Time of last record 10:50.2 hrs on 10./10./83 . . .
 (h) Total period of deployment (i.e. (e))
 (i) Revolutions per count
 (j) Date of last calibration Result
 (k) Sampling interval 120 s

METER 2. (a) Type of meter Seirol UCMA2 (b) Meter No. 24 . . .
 (c) Height of sensor above sea floor (m) . . . 2.5 . . .
 (d) Time of first record 13:30.2 hrs on 5./10./83 . . .
 (e) Time mooring on the sea floor 5:37:30 hrs on 5./10./83 . . .
 (f) Time mooring off the sea floor 09:57.2 hrs on 10./10./83 . . .
 (g) Time of last record 10:40.2 hrs on 10./10./83 . . .
 (h) Total period of deployment (i.e. (e)) 116 h 24 m . . .
 (i) Revolutions per count
 (j) Date of last calibration Result
 (k) Sampling interval 600 s

10 m intervals
 then
 20 samples @ 1.5 s.

METER 3. (a) Type of meter (b) Meter No.
 (c) Height of sensor above sea floor (m)
 (d) Time of first record hrs on . . . / . . . / . . .
 (e) Time mooring on the sea floor hrs on . . . / . . . / . . .
 (f) Time mooring off the sea floor hrs on . . . / . . . / . . .
 (g) Time of last record hrs on . . . / . . . / . . .
 (h) Total period of deployment (i.e. (e))
 (i) Revolutions per count
 (j) Date of last calibration Result
 (k) Sampling interval

METER 4. (a) Type of meter (b) Meter No.
 (c) Height of sensor above sea floor (m)
 (d) Time of first record hrs on . . . / . . . / . . .
 (e) Time mooring on the sea floor hrs on . . . / . . . / . . .
 (f) Time mooring off the sea floor hrs on . . . / . . . / . . .
 (g) Time of last record hrs on . . . / . . . / . . .
 (h) Total period of deployment (i.e. (e))
 (i) Revolutions per count
 (j) Date of last calibration Result
 (k) Sampling interval

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CURRENT METER LOG SHEET

Cruise No. FR 17/83 CM Station No. B 3571
Archive No. 1000000 CM Designation CM
Lat.: 49° 15' 3" N Long.: 8° 30' 4" W Depth (m) 132
Date of Deployment 6/10/83 Time 12:41:26 Z Tide SW + 2 hrs.
Date of Recovery 9/10/83 Time 12:52 Z Tide SW
Method of Position Fixing Dona + Sat Nav.

A. Type of Current Meter System

OGU frame + RCM4.

If VGU or similar:-

1. Sensors

- (a) Type of sensor Impellers
(b) Heights of sensors:- [cm]
Bottom 1 10 3 45 5 156 7 —
2 24 4 84 6 — 8 —
(c) Date of last calibration — Result 1/2 c/s
(d) On 'BLIP': Turbidity - YES/NO; Bed Load Noise - YES/NO.

2. Logger

- (a) Type Custer CD 6 and header code 19831063571
(b) Time of first record 10:19 Z hrs of 6./10./83
(c) Time instrument is on the sea floor 12:42 hrs on 6./10./83
(d) Time instrument is off the sea floor 12:53 hrs on 9./10./83
(e) Time of last record 13:10 Z hrs on 9./10./83
(f) Data sampling interval 5 m
(g) Total useful record on the sea floor (c to d) 72 h 11 m

3. Mooring system used

Single line, ss, wire + Selko Buo.

4. Photography

- (a) Type THCC
(b) Camera Old Minolta
(c) Aperture 2.8
(d) Focussed (m) 2m
(e) Camera height, vertical (m) 1.45m
(f) Lens 28 mm
(g) If stereo, interocular distance —
(h) Interval between frames 45 s
(i) Shutter speed 1/60 th
(j) Film Kodachrome 40 A
(k) Start time of film 10:20 Z
(l) No. of photos 3600

Switched off @ 15:47 Z.

/B. Single Sensor Meters (overleaf)

B. Single Sensor Meters

Where there are several meters in a string on the mooring, the BOTTOM meter is No.1.

METER 1. (a) Type of meter *Aanderaa ROM4* (b) Meter No. *5914* . . .
 (c) Height of sensor above sea floor (m) *4.5* . . .
 (d) Time of first record *10:26* hrs on *6./10./83.*
 (e) Time mooring on the sea floor *12:41:26* hrs on *6./10./83.*
 (f) Time mooring off the sea floor *12:51:35* hrs on *9./10./83.*
 (g) Time of last record *13:18* hrs on *9./10./83.*
 (h) Total period of deployment (i.e. (e)) *72h 11m.*
 (i) Revolutions per count *1/2* . . .
 (j) Date of last calibration . . . Result . . .
 (k) Sampling interval *120 s* . . .

METER 2. (a) Type of meter . . . (b) Meter No. . . .
 (c) Height of sensor above sea floor (m) . . .
 (d) Time of first record . . . hrs on . . .
 (e) Time mooring on the sea floor . . . hrs on . . .
 (f) Time mooring off the sea floor . . . hrs on . . .
 (g) Time of last record . . . hrs on . . .
 (h) Total period of deployment (i.e. (e)) . . .
 (i) Revolutions per count . . .
 (j) Date of last calibration . . . Result . . .
 (k) Sampling interval . . .

METER 3. (a) Type of meter . . . (b) Meter No. . . .
 (c) Height of sensor above sea floor (m) . . .
 (d) Time of first record . . . hrs on . . .
 (e) Time mooring on the sea floor . . . hrs on . . .
 (f) Time mooring off the sea floor . . . hrs on . . .
 (g) Time of last record . . . hrs on . . .
 (h) Total period of deployment (i.e. (e)) . . .
 (i) Revolutions per count . . .
 (j) Date of last calibration . . . Result . . .
 (k) Sampling interval . . .

METER 4. (a) Type of meter . . . (b) Meter No. . . .
 (c) Height of sensor above sea floor (m) . . .
 (d) Time of first record . . . hrs on . . .
 (e) Time mooring on the sea floor . . . hrs on . . .
 (f) Time mooring off the sea floor . . . hrs on . . .
 (g) Time of last record . . . hrs on . . .
 (h) Total period of deployment (i.e. (e)) . . .
 (i) Revolutions per count . . .
 (j) Date of last calibration . . . Result . . .
 (k) Sampling interval . . .

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CURRENT METER LOG SHEET

Cruise No. **PR 17/83** CM Station No. **B 3572**
Archive No. CM Designation **CM 3**
Lat.: **49° 15.9' N** Long.: **8° 24.7' W** Depth (m) **150 m**
Date of Deployment **6/10/83** Time **08:25 Z** Tide **4h after SW**
Date of Recovery **7/10/83** Time **09:00 Z** Tide **2h before SW**
Method of Position Fixing **Dona + SatNav**

A. Type of Current Meter System

Bedload frame + RCM4 @ 1m

If VGU or similar:-

1. Sensors

- (a) Type of sensor
(b) Heights of sensors:-
Bottom 1 3 5 7
2 4 6 8
(c) Date of last calibration Result
(d) On 'BLIP': Turbidity - YES/NO; Bed Load Noise - YES/NO.

2. Logger

- (a) Type and header code
(b) Time of first record hrs of
(c) Time instrument is on the sea floor hrs on
(d) Time instrument is off the sea floor hrs on
(e) Time of last record hrs on
(f) Data sampling interval
(g) Total useful record on the sea floor (c to d)

3. Mooring system used

Single Wire, subsurface + Selko

4. Photography

- (a) Type **THCC**
(b) Camera **MINOLTA**
(c) Aperture **f/2.8**
(d) Focussed (m) **macro**
(e) Camera height, vertical (m) **1.45**
(f) Lens **4mm Aspheron**
(g) If stereo, interocular distance
(h) Interval between frames **25.9**
(i) Shutter speed **1/60 th**
(j) Film **Kodachrome 40 A**
(k) Start time of film
(l) No. of photos **3600**

NORTH (1)

EAST. (2)

+ 2 Bedload traps
+ 2 Shadow frames
+ 2 THCC Vertical
@ NE corners

07:26 Z

07:38 Z

Both cameras still flashing on recovery + switched off @ 09:12 Z
Both sand traps full.

/B. Single Sensor Meters (overleaf)

B. Single Sensor Meters

Where there are several meters in a string on the mooring, the BOTTOM meter is No.1.

METER 1. (a) Type of meter (b) Meter No.
 (c) Height of sensor above sea floor (m)
 (d) Time of first record hrs on .../.../....
 (e) Time mooring on the sea floor hrs on .../.../....
 (f) Time mooring off the sea floor hrs on .../.../....
 (g) Time of last record hrs on .../.../....
 (h) Total period of deployment (i.e. (e))
 (i) Revolutions per count
 (j) Date of last calibration Result
 (k) Sampling interval

METER 2. (a) Type of meter (b) Meter No.
 (c) Height of sensor above sea floor (m)
 (d) Time of first record hrs on .../.../....
 (e) Time mooring on the sea floor hrs on .../.../....
 (f) Time mooring off the sea floor hrs on .../.../....
 (g) Time of last record hrs on .../.../....
 (h) Total period of deployment (i.e. (e))
 (i) Revolutions per count
 (j) Date of last calibration Result
 (k) Sampling interval

METER 3. (a) Type of meter (b) Meter No.
 (c) Height of sensor above sea floor (m)
 (d) Time of first record hrs on .../.../....
 (e) Time mooring on the sea floor hrs on .../.../....
 (f) Time mooring off the sea floor hrs on .../.../....
 (g) Time of last record hrs on .../.../....
 (h) Total period of deployment (i.e. (e))
 (i) Revolutions per count
 (j) Date of last calibration Result
 (k) Sampling interval

METER 4. (a) Type of meter (b) Meter No.
 (c) Height of sensor above sea floor (m)
 (d) Time of first record hrs on .../.../....
 (e) Time mooring on the sea floor hrs on .../.../....
 (f) Time mooring off the sea floor hrs on .../.../....
 (g) Time of last record hrs on .../.../....
 (h) Total period of deployment (i.e. (e))
 (i) Revolutions per count
 (j) Date of last calibration Result
 (k) Sampling interval

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CURRENT METER LOG, SHEET

Cruise No. FR 14/83 CM Station No. B 3573
Archive No. 5231 CM Designation CM 2
Lat. 49° 16.5' N Long. 8° 20.8' W Depth (m) 141
Date of Deployment 23/9/83 Time 13:12 Tide
Date of Recovery 10/10/83 Time 14:04 Tide Slack Water
Method of Position Fixing Dona

Type of Current Meter System Free fall RCM4 + UCM2
If VGU or similar: no

1. Sensors

- (a) Type of sensor
(b) Heights of sensors:-
Bottom 1 3 5 7
2 4 6 8
(c) Date of last calibration Result
(d) On 'BLIP': Turbidity - YES/NO; Bed Load Noise - YES/NO.

2. Logger

- (a) Type and header code
(b) Time of first record hrs of .../.../....
(c) Time instrument is on the sea floor hrs on .../.../....
(d) Time instrument is off the sea floor hrs on .../.../....
(e) Time of last record hrs on .../.../....
(f) Data sampling interval
(g) Total useful record on the sea floor (c to d)

3. Mooring system used

4. Photography

- (a) Type
(b) Camera
(c) Aperture
(d) Focussed (m)
(e) Camera height, vertical (m)
(f) Lens
(g) If stereo, interocular distance
(h) Interval between frames
(i) Shutter speed
(j) Film
(k) Start time of film
(l) No. of photos

B. Single Sensor Meters

Where there are several meters in a string on the mooring, the BOTTOM meter is No.1.

METER 1. (a) Type of meter *Handover RCMA* (b) Meter No. *3311*
 (c) Height of sensor above sea floor (m) *1 m*
 (d) Time of first record hrs on *23/9/83*
 (e) Time mooring on the sea floor *13:12* hrs on *23/9/83*
 (f) Time mooring off the sea floor *13:56* hrs on *10/10/83*
 (g) Time of last record *14:30:14* hrs on *10/10/83*
 (h) Total period of deployment (i.e. (e)) *408 h 44 m*
 (i) Revolutions per count *1/2*
 (j) Date of last calibration Result
 (k) Sampling interval *300s*

*cf ADH
for start times.*

METER 2. (a) Type of meter *Simrad UCMA* (b) Meter No. *33*
 (c) Height of sensor above sea floor (m) *2.5 m*
 (d) Time of first record hrs on *23/9/83*
 (e) Time mooring on the sea floor *13:12* hrs on *23/9/83*
 (f) Time mooring off the sea floor *13:56* hrs on *10/10/83*
 (g) Time of last record *14:50:10* hrs on *10/10/83*
 (h) Total period of deployment (i.e. (e)) *408 h 44 m*
 (i) Revolutions per count
 (j) Date of last calibration Result
 (k) Sampling interval *10 m [600s]*

*10 min intervals.
10 samples @
1.5 sec intervals*

METER 3. (a) Type of meter (b) Meter No.
 (c) Height of sensor above sea floor (m)
 (d) Time of first record hrs on
 (e) Time mooring on the sea floor hrs on
 (f) Time mooring off the sea floor hrs on
 (g) Time of last record hrs on
 (h) Total period of deployment (i.e. (e))
 (i) Revolutions per count
 (j) Date of last calibration Result
 (k) Sampling interval

METER 4. (a) Type of meter (b) Meter No.
 (c) Height of sensor above sea floor (m)
 (d) Time of first record hrs on
 (e) Time mooring on the sea floor hrs on
 (f) Time mooring off the sea floor hrs on
 (g) Time of last record hrs on
 (h) Total period of deployment (i.e. (e))
 (i) Revolutions per count
 (j) Date of last calibration Result
 (k) Sampling interval

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DEPARTMENT OF GEOLOGY
Marine Sedimentation Group

CURRENT METER LOG SHEET

0210
Cruise No. FR 17/83 CM Station No. B 3574
Archive No. 20.0 CM Designation CM 1
Lat.: 49° 16.9' N Long.: 8° 15.4' W Depth (m) 130
Date of Deployment 23/4/83 Time 14:37 gmt Tide SW-3h
Date of Recovery 10/10/83 Time 16:43 gmt Tide SW-3h
Method of Position Fixing Sat Nav

A. Type of Current Meter System

Free fall RCMA + UCM2

If VGU or similar:- 12:00:01

Inverted as of
calibration of
20.0.01

1. Sensors

- (a) Type of sensor
- (b) Heights of sensors:-
Bottom 1 3 5 7
2 4 6 8
- (c) Date of last calibration Result
- (d) On 'BLIP': Turbidity - YES/NO; Bed Load Noise - YES/NO.

2. Logger

- (a) Type and header code
- (b) Time of first record hrs of .../.../....
- (c) Time instrument is on the sea floor hrs on .../.../....
- (d) Time instrument is off the sea floor hrs on .../.../....
- (e) Time of last record hrs on .../.../....
- (f) Data sampling interval
- (g) Total useful record on the sea floor (c to d)

3. Mooring system used

4. Photography

- (a) Type
- (b) Camera
- (c) Aperture
- (d) Focussed (m)
- (e) Camera height, vertical (m)
- (f) Lens
- (g) If stereo, interocular distance
- (h) Interval between frames
- (i) Shutter speed
- (j) Film
- (k) Start time of film
- (l) No. of photos

B. Single Sensor Meters

Where there are several meters in a string on the mooring, the BOTTOM meter is No.1.

METER 1. (a) Type of meter *Andover RCMA* (b) Meter No. *6152*
 (c) Height of sensor above sea floor (m) *1 m*
 (d) Time of first record hrs on *23/9/83*
 (e) Time mooring on the sea floor *14:35* hrs on *23/9/83*
 (f) Time mooring off the sea floor *16:28* hrs on *10/10/83*
 (g) Time of last record *18:14:50* hrs on *10/10/83*
 (h) Total period of deployment (i.e. (e)) *409 h 53 m*
 (i) Revolutions per count *1/2*
 (j) Date of last calibration Result
 (k) Sampling interval *300 s*

METER 2. (a) Type of meter *Simrad UC42* (b) Meter No. *20*
 (c) Height of sensor above sea floor (m) *2.5 m*
 (d) Time of first record hrs on *23/9/83*
 (e) Time mooring on the sea floor *14:35* hrs on *23/9/83*
 (f) Time mooring off the sea floor *16:28* hrs on *10/10/83*
 (g) Time of last record *18:29:57* hrs on *10/10/83*
 (h) Total period of deployment (i.e. (e)) *409 h 53 m*
 (i) Revolutions per count
 (j) Date of last calibration Result
 (k) Sampling interval *10 m*

METER 3. (a) Type of meter (b) Meter No.
 (c) Height of sensor above sea floor (m)
 (d) Time of first record hrs on
 (e) Time mooring on the sea floor hrs on
 (f) Time mooring off the sea floor hrs on
 (g) Time of last record hrs on
 (h) Total period of deployment (i.e. (e))
 (i) Revolutions per count
 (j) Date of last calibration Result
 (k) Sampling interval

METER 4. (a) Type of meter (b) Meter No.
 (c) Height of sensor above sea floor (m)
 (d) Time of first record hrs on
 (e) Time mooring on the sea floor hrs on
 (f) Time mooring off the sea floor hrs on
 (g) Time of last record hrs on
 (h) Total period of deployment (i.e. (e))
 (i) Revolutions per count
 (j) Date of last calibration Result
 (k) Sampling interval

*1st record
with ADH.*

*10 m interval
10 samples
@ 1.5 sec.*

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CURRENT METER LOG SHEET

Cruise No. FR 17/83 CM Station No. B 3575
Archive No. CM Designation CM 3 [2nd Deployment]
Lat.: 49° 15' 86" N. Long.: 08° 24' 16" W. Depth (m) 140 m.
Date of Deployment 7/10/83 Time 17.49 GMT Tide SW
Date of Recovery 8/10/83 Time 07.51 GMT Tide 2 hrs after SW
Method of Position Fixing SAT. FIX

A. Type of Current Meter System Bedload Frame + U.100

If VGU or similar:-

1. Sensors

- (a) Type of sensor
(b) Heights of sensors:-
Bottom 1 3 5 7
2 4 6 8
(c) Date of last calibration Result
(d) On 'BLIP': Turbidity - YES/NO; Bed Load Noise - YES/NO.

2. Logger

- (a) Type and header code
(b) Time of first record hrs of . . . / . . . / . . .
(c) Time instrument is on the sea floor hrs on . . . / . . . / . . .
(d) Time instrument is off the sea floor hrs on . . . / . . . / . . .
(e) Time of last record hrs on . . . / . . . / . . .
(f) Data sampling interval
(g) Total useful record on the sea floor (c to d)

3. Mooring system used Single wire, Subsurface SELKO

4. Photography

- | | | | |
|--|---|---------------------|---------------------|
| | (a) Type <u>T.L.C.P.</u> | | |
| + 2 bedload traps
+ 2 shadow frames
on N + E corners | (b) Camera <u>Minolta Super 8</u> | <u>NORTH (1)</u> | <u>EAST (2)</u> |
| | (c) Aperture | <u>F2/2.8</u> | <u>F2/2.8</u> |
| | (d) Focussed (m) | <u>NA Macro</u> | <u>NA Macro</u> |
| | (e) Camera height, vertical (m) | <u>1.45 m</u> | <u>1.45 m</u> |
| | (f) Lens | <u>4mm Aspheron</u> | <u>4mm Aspheron</u> |
| | (g) If stereo, interocular distance | | |
| | (h) Interval between frames | <u>25 Secs</u> | <u>25 Secs</u> |
| | (i) Shutter speed | <u>1/60th</u> | <u>1/60th</u> |
| | (j) Film | <u>K140 Type A</u> | <u>K140 Type A</u> |
| | (k) Start time of film | <u>17.04 GMT</u> | <u>17.04 GMT</u> |
| | (l) No. of photos | <u>3600</u> | <u>3600</u> |

Both cameras switched off 108.12 GMT

/B. Single Sensor Meters (overleaf)

B. Single Sensor Meters

Where there are several meters in a string on the mooring, the BOTTOM meter is No.1.

- METER 1. (a) Type of meter Anderson RCM 4 . (b) Meter No. 3924 . . .
 (c) Height of sensor above sea floor (m) . . . 1 m
 (d) Time of first record 1700 GMT . hrs on 07/10/83
 (e) Time mooring on the sea floor 1749 GMT hrs on 07/10/83
 (f) Time mooring off the sea floor 0750 . hrs on 08/10/83
 (g) Time of last record 0814 . . . hrs on 08/10/83
 (h) Total period of deployment (i.e. (e)) 14 hrs. 01 mins
 (i) Revolutions per count 0.5
 (j) Date of last calibration Result
 (k) Sampling interval 2 mins
- METER 2. (a) Type of meter (b) Meter No.
 (c) Height of sensor above sea floor (m)
 (d) Time of first record hrs on . . . / . . . / . . .
 (e) Time mooring on the sea floor hrs on . . . / . . . / . . .
 (f) Time mooring off the sea floor hrs on . . . / . . . / . . .
 (g) Time of last record hrs on . . . / . . . / . . .
 (h) Total period of deployment (i.e. (e))
 (i) Revolutions per count
 (j) Date of last calibration Result
 (k) Sampling interval
- METER 3. (a) Type of meter (b) Meter No.
 (c) Height of sensor above sea floor (m)
 (d) Time of first record hrs on . . . / . . . / . . .
 (e) Time mooring on the sea floor hrs on . . . / . . . / . . .
 (f) Time mooring off the sea floor hrs on . . . / . . . / . . .
 (g) Time of last record hrs on . . . / . . . / . . .
 (h) Total period of deployment (i.e. (e))
 (i) Revolutions per count
 (j) Date of last calibration Result
 (k) Sampling interval
- METER 4. (a) Type of meter (b) Meter No.
 (c) Height of sensor above sea floor (m)
 (d) Time of first record hrs on . . . / . . . / . . .
 (e) Time mooring on the sea floor hrs on . . . / . . . / . . .
 (f) Time mooring off the sea floor hrs on . . . / . . . / . . .
 (g) Time of last record hrs on . . . / . . . / . . .
 (h) Total period of deployment (i.e. (e))
 (i) Revolutions per count
 (j) Date of last calibration Result
 (k) Sampling interval

Bed load traps : Both ~ 2/3 full

NORTH ; contained clean sand + shells

EAST ; clean sand + few shells.

Shell content lower than at B3572 .

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CURRENT METER LOG SHEET

Cruise No. . F.R. 17/83. CM Station No. B . . B3576 .
Archive No. CM Designation CM 3 . [3rd Deployment]
Lat.: . 49° 15.9' N . . Long.: . 08° 25.3' W . . Depth (m) . 140m . .
Date of Deployment . 8/10/83 . . Time 10.27 GMT . . Tide 1½ hrs before SW
Date of Recovery . . 9/10/83 . . Time 10.15 GMT . . Tide 2½ hrs before SW
Method of Position Fixing SAT. FIX

A. Type of Current Meter System . . Bedload Trap

If VGU or similar:-

1. Sensors

- (a) Type of sensor
(b) Heights of sensors:-
Bottom 1 3 5 7
2 4 6 8
(c) Date of last calibration Result
(d) On 'BLIP': Turbidity - YES/NO; Bed Load Noise - YES/NO.

2. Logger

- (a) Type and header code
(b) Time of first record hrs of . . . / . . . / . . .
(c) Time instrument is on the sea floor hrs on . . . / . . . / . . .
(d) Time instrument is off the sea floor hrs on . . . / . . . / . . .
(e) Time of last record hrs on . . . / . . . / . . .
(f) Data sampling interval
(g) Total useful record on the sea floor (c to d)

3. Mooring system used . Single line wire + Subsurface SELKO . .

4. Photography

- (a) Type . . . Minolta Super 8 . . . T.L.C.P.
(b) Camera . . . Minolta NORTH (1) EAST (2)
(c) Aperture F2/2.8 . . . F2/2.8
(d) Focussed (m) Macro . . . Macro
(e) Camera height, vertical (m) 1.45m . . . 1.45m
(f) Lens 4mm Aspheron . . . 4mm Aspheron
(g) If stereo, interocular distance
(h) Interval between frames 25 Secs . . . 25 Secs
(i) Shutter speed 1/60th . . . 1/60th
(j) Film Type A Kodachrome 40 . . . k40 Type A
(k) Start time of film 09 27 GMT . . . 09 29 GMT
(l) No. of photos 3600 . . . 3600
Switched off 11.24 BST . . . 11.24 BST

+ 2 Bedload
Traps
+ 1 Shadow
Frame

N.B. East Shadow Frame
lost during deployment.

/B. Single Sensor Meters (overleaf)

B. Single Sensor Meters

Where there are several meters in a string on the mooring, the BOTTOM meter is No.1.

METER 1. (a) Type of meter . . . RCM 4 (b) Meter No. 3924 . . .
 (c) Height of sensor above sea floor (m) . . . 1 m
 (d) Time of first record 09:36 GMT hrs on 08/10/83
 (e) Time mooring on the sea floor 10:27 GMT hrs on 08/10/83
 (f) Time mooring off the sea floor 10:04 GMT hrs on 09/10/83
 (g) Time of last record 10:28 GMT hrs on 09/10/83
 (h) Total period of deployment (i.e. (e)) 23 hrs 37 mins
 (i) Revolutions per count 0.5
 (j) Date of last calibration Result
 (k) Sampling interval 2 mins

METER 2. (a) Type of meter (b) Meter No.
 (c) Height of sensor above sea floor (m)
 (d) Time of first record hrs on . . . / . . . / . . .
 (e) Time mooring on the sea floor hrs on . . . / . . . / . . .
 (f) Time mooring off the sea floor hrs on . . . / . . . / . . .
 (g) Time of last record hrs on . . . / . . . / . . .
 (h) Total period of deployment (i.e. (e))
 (i) Revolutions per count
 (j) Date of last calibration Result
 (k) Sampling interval

METER 3. (a) Type of meter (b) Meter No.
 (c) Height of sensor above sea floor (m)
 (d) Time of first record hrs on . . . / . . . / . . .
 (e) Time mooring on the sea floor hrs on . . . / . . . / . . .
 (f) Time mooring off the sea floor hrs on . . . / . . . / . . .
 (g) Time of last record hrs on . . . / . . . / . . .
 (h) Total period of deployment (i.e. (e))
 (i) Revolutions per count
 (j) Date of last calibration Result
 (k) Sampling interval

METER 4. (a) Type of meter (b) Meter No.
 (c) Height of sensor above sea floor (m)
 (d) Time of first record hrs on . . . / . . . / . . .
 (e) Time mooring on the sea floor hrs on . . . / . . . / . . .
 (f) Time mooring off the sea floor hrs on . . . / . . . / . . .
 (g) Time of last record hrs on . . . / . . . / . . .
 (h) Total period of deployment (i.e. (e))
 (i) Revolutions per count
 (j) Date of last calibration Result
 (k) Sampling interval

Bed load traps : NORTH ; small amount coarse sand + few shell frags
 EAST ; EMPTY

N.B. On recovery
 rig was dragged
 along sea bed for
 ~ 1/2 mile.