R J Murray

US JGOFS EQUATORIAL PACIFIC PROCESS STUDY

BENTHIC LEG

R/V THOMAS G. THOMPSON
TT013

OCTOBER 30, 1992 - DECEMBER 13, 1992
PAPEETE, TAHITI TO HONOLULU, HI

DRAFT CRUISE REPORT

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DRAFT CRUISE REPORT

This document is the draft cruise report of the benthic leg of the US JGOFS Equatorial Pacific Process Study aboard R/V Thomas G. Thompson. The document was supplied to cruise participants when they left the cruise and has not been verified. A formal cruise report will be completed post-cruise.

The document contains the following sections:

A note on Station Numbers

Stations were numbered sequentially from the beginning of the cruise. Each deployment of a piece of sampling gear was assigned a station number whether the deployment was successful or not. Separate recoveries, such as lander recoveries were not assigned station numbers..

Stations will be referred to in subsequent literature with the cruise number, the station number, and an identifier that indicates the type of station. The identifiers are as follows:

MC multicore
GC gravity core
BC box core
PC piston core
T W trigger weight core for piston core
C camera tow
H hydrocast
L lander
PT plankton tow

Thus, station TT013-43C is a camera tow that was the 43rd station on the cruise.

In some cases, samplers provided multiple samples. For example, the multicorer can recover up to 8 cores. In the following cruise report the individual

samples from such deployments are noted and their distribution among investigators is recorded, but the individual samples have not been assigned a unique identifier to go with the station number.

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TT013 - US JGOFS BENTHIC LEG STATIONS

STATION	AREA	ACTIVITY	DATE (GMT)	TIME (GMT)	TIME (LOCAL)	LATITUDE (- = SOUTH)	LONGITUDE WEST	DEPTH (uncorr. m)
1	12 S	Lander	11/02/92	04:00	17:00	-11.9502	134.9503	4200
2	12 S	Hydrocast	11/03/92	09:28	23:28	-11.5965	134.9498	4284
3	12 S	Piston Core	11/03/92	14:30	04:30	-11.9970	134.9552	4272
4	12 S	Multicore	11/03/92	23:00	13:00	-11.9973	134.9522	4280
5	12 S	Plankton Tow	11/03/92	23:15	13:15	-11.9967	134.9505	0
6	12 S	Spade Core	11/04/92	04:02	16:02	-11.9985	134.9543	4280
7	12 S	Hydrocast	11/04/92	06:44	20:44	-11.9598	134.9518	0
8	12 S	Plankton Tow	11/04/92	07:35	21:35	-11.9558	134.9544	0
9	12 S	Camera Tow	11/04/92	10:45	00:45	-11.9888	134.9393	4381
10	12 S	Multicore	11/04/92	19:35	09:35	-12.0032	134.9483	4280
11	12 S	Plankton Tow	11/04/92	23:45	13:45	-11.9500	134.9500	0
12	5 S	Lander	11/06/92	22:09	12:09	-4.9322	139.7323	4223
13	5 S	Lander	11/06/92	00:04	14:04	-4.9317	139.7429	4212
14	2 S	Lander	11/07/92	20:00	10:00	-1.8297	139.7195	4354
15	2 S	Lander	11/07/92	21:27	11:27	-1.8385	139.7217	4351
16	2 S	Hydrocast	11/07/92	22:39	12:30	-1.8308	139.6968	4357
17	2 S	Plankton Tow	11/07/92	23:06	13:06	-1.8289	139.6987	0
18	2 S	Piston Core	11/08/92	02:51	16:51	-1.8395	139.7137	4354
19	2 S	Multicore	11/08/92	09:22	23:22	-1.8680	139.7157	4376
20	2 S	Spade Core	11/08/92	14:00	04:00	-1.8665	139.7178	4372
21	2 S	Hydrocast	11/08/92	16:00	06:00	-1.8122	139.7218	0
22	2 S	Plankton Tow	11/08/92	17:00	07:00	-1.8057	139.7170	0

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STATION	AREA	ACTIVITY	DATE (GMT)	TIME (GMT)	TIME (LOCAL)	LATITUDE (- = SOUTH)	LONGITUDE WEST	DEPTH (uncorr. m)
23	2 S	Multicore	11/08/92	19:52	09:52	-1.8670	139.8008	4380
24	2 S	Camera Tow	11/09/92	03:18	13:18	-1.8667	139.7437	4379
25	2 S	Plankton Tow	11/08/92	07:25	21:25	-1.8672	139.6496	0
26	3 S	Piston Core	11/08/92	16:25	06:25	-2.8883	139.8367	4502
27	3 S	Multicore	11/09/92	23:35	13:35	-2.8853	139.8317	4513
28	3 S	Plankton Tow	11/09/92	22:30	12:30	-2.8837	139.8318	0
29	4 S	Piston Core	11/10/92	10:15	00:15	-4.2023	139.7920	4486
30	4 S	Plankton Tow	11/10/92	11:07	01:07	-4.1993	139.7905	0
31	5 S	Hydrocast	11/10/92	19:25	09:25	-4.9662	139.7425	4239
32	5 S	Piston Core	11/10/92	23:38	13:38	-4.9605	139.7436	4236
33	5 S	Plankton Tow	11/11/92	00:55	14:55	-4.9507	139.7398	0
34	5 S	Multicore	11/11/92	06:27	20:27	-4.9738	139.7373	4256
35	5 S	Spade Core	11/11/92	11:00	01:00	-4.9725	139.7367	4239
36	5 S	Hydrocast	11/11/92	13:37	03:37	-4.9563	139.7735	4271
37	5 S	Plankton Tow	11/11/92	17:40	07:40	-4.9373	139.7562	200
38	5 S	Hydrocast	11/11/92	18:21	08:21	-4.9340	139.7590	0
39	5 S	Multicore	11/11/92	19:17	09:17	-4.9762	139.7372	4294
40	5 S	Camera Tow	11/12/92	01:45	15:45	-4.9783	139.7317	4256
41	5 S	Multicore	11/12/92	11:07	01:07	-4.9733	139.7433	4264
42	5 S	Plankton Tow	11/12/92	13:01	03:01	-4.9667	139.7385	0
43	5 S	Camera Tow	11/12/92	03:52	17:52	-4.9750	139.7150	4197
44	2 S	Multicore	11/14/92	02:24	16:24	-1	139.7151	4338

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STATION	AREA	ACTIVITY	DATE (GMT)	TIME (GMT)	TIME (LOCAL)	LATITUDE (- = SOUTH)	LONGITUDE WEST	DEPTH (uncorr. m)
45	Equator	Lander	11/14/92	19:13	09:13	0.0666	139.7575	4321
46	Equator	Lander	11/14/92	20:25	10:25	0.0757	139.7612	4310
47	Equator	Lander	11/14/92	22:01	12:01	0.0762	139.7472	4316
48	Equator	Multicore	11/13/92	13:47	03:47	0.1200	139.7350	4315
49	Equator	Hydrocast	11/15/92	15:45	05:45	0.1018	139.7452	4328
50	Equator	Spade Core	11/15/92	21:29	11:29	0.1000	139.7317	4328
51	Equator	Plankton Tow	11/15/92	19:53	09:53	0.0968	139.7333	0
52	Equator	Piston Core	11/16/92	00:41	14:41	0.0993	139.7373	4327
53	Equator	Camera Tow	11/16/92	08:27	20:27	0.1050	139.7400	4318
54	Equator	Plankton Tow	11/16/92	12:37	02:37	0.0732	139.6620	0
55	Equator	Spade Core	11/16/92	14:20	04:20	0.1158	139.7340	4313
56	Equator	Hydrocast	11/16/92	18:44	08:44	0.1270	139.7007	0
57	Equator	Hydrocast	11/16/92	20:57	10:57	0.1437	139.6912	0
58	Equator	Multicore	11/17/92	00:00	00:00	0.1100	139.7233	4301
59	Equator	Spade Core	11/16/92	06:41	20:41	0.1103	139.7327	4305
60	Equator	Plankton Tow	11/17/92	06:02	20:02	0.1083	139.7320	0
61	1 S	Piston Core	11/17/92	21:21	11:21	-0.8640	139.8307	4276
62	1 S	Plankton Tow	11/17/92	22:15	12:15	-0.8644	139.8320	0
63	1 S	Multicore	11/18/92	07:15	21:15	-0.8655	139.8317	4276
64	1 S	Plankton Tow	11/18/92	07:00	21:00	-0.8657	139.8318	0
65	Equator	Spade Core	11/18/92	15:54	05:54	0.1067	139.7350	4307
66	Equator	Multicore	11/18/92	20:07	10:07	0.1027	139.7330	4309

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STATION	AREA	ACTIVITY	DATE (GMT)	TIME (GMT)	TIME (LOCAL)	LATITUDE (- = SOUTH)	LONGITUDE WEST	DEPTH (uncorr. m)
67	Equator	Plankton Tow	11/18/92	22:07	12:07	0.1082	139.7309	0
68	Equator	Camera Tow	11/19/92	01:00	14:00	0.1050	139.7400	4308
69	Equator	Multicore	11/19/92	09:36	23:36	0.1117	139.7233	4307
70	Equator	Spade Core	11/19/92	16:26	06:26	0.1144	139.7228	4308
71	Equator	Multicore	11/19/92	22:07	12:07	0.1144	139.7500	4304
72	Equator	Piston Core	11/20/92	03:56	17:56	0.1137	139.4015	4298
73	2 N	Lander	11/20/92	21:55	11:55	2.0297	140.1995	4421
74	2 N	Lander	11/21/92	00:41	14:04	2.0283	140.1832	4409
75	2 N	Lander	11/21/92	01:49	15:49	2.0365	140.1940	4410
76	2 N	Spade Core	11/21/92	06:49	20:49	2.0657	140.1490	4414
77	2 N	Multicore	11/21/92	11:17	01:17	2.0573	140.1425	4412
78	2 N	Plankton Tow	11/21/92	14:00	04:00	2.0417	140.1085	0
79	2 N	Camera Tow	11/21/92	18:05	08:05	2.5000	140.1130	4402
80	2 N	Spade Core	11/22/92	02:11	16:11	2.0667	140.1317	4409
81	2 N	Plankton Tow	11/22/92	00:21	14:21	2.0610	140.1452	0
82	2 N	Multicore	11/22/92	07:05	21:05	2.0633	140.1500	4413
83	2 N	Piston Core	11/22/92	10:58	23:58	2.0670	140.1467	4414
84	2 N	Plankton Tow	11/22/92	12:03	02:03	2.0703	140.1482	0
85	2 N	Hydrocast	11/22/92	18:01	08:01	2.0278	140.1227	4408
86	2 N	Spade Core	11/22/92	23:14	13:14	2.0660	140.1343	4410
87	1 N	Plankton Tow	11/22/92	13:02	03:02	0.8160	139.9190	0
88	1 N	Multicore	11/23/92	15:30	05:30	0.8150	139.9167	4415

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STATION	AREA	ACTIVITY	DATE (GMT)	TIME (GMT)	TIME (LOCAL)	LATITUDE (- = SOUTH)	LONGITUDE WEST	DEPTH (uncorr. m)
89	1 N	Piston Core	11/23/92	19:13	09:13	0.8140	139.9192	4412
90	1 N	Plankton Tow	11/23/92	19:13	09:13	0.8140	139.9192	0
91	2 N	Spade Core	11/24/92	09:46	23:46	2.0633	140.1317	4408
92	2 N	Hydrocast	11/24/92	12:34	02:34	2.0565	140.1463	0
93	2 N	Multicore	11/24/92	15:08	05:08	2.0550	140.1433	4411
94	2 N	Plankton Tow	11/24/92	17:14	07:14	2.0453	140.1205	0
95	2 N	Spade Core	11/24/92	20:16	10:16	2.0518	140.1445	4414
96	2 N	Piston Core	11/24/92	23:21	13:21	2.0652	140.1493	4417
97	2 N	Multicore	11/25/92	04:24	18:24	2.0500	140.1433	4413
98	2 N	Multicore	11/25/92	12:20	02:20	2.0583	130.1433	4413
99	5 N	Lander	11/26/92	19:10	09:10	5.0803	139.7341	4430
100	5 N	Lander	11/26/92	01:04	11:04	5.0735	139.7253	4430
101	5 N	Lander	11/26/92	02:36	12:36	5.0825	139.7188	4426
102	5 N	Hydrocast	11/27/92	07:00	19:00	5.1162	139.7330	4373
103	5 N	Spade Core	11/27/92	12:41	02:41	5.0667	139.6483	4447
104	5 N	Multicore	11/27/92	17:42	07:42	5.0783	139.6367	4416
105	5 N	Piston Core	11/27/92	22:00	12:00	5.0780	139.6270	4410
106	5 N	Plankton Tow	11/27/92	22:51	12:51	5.0750	139.6215	0
107	5 N	Spade Core	11/28/92	06:01	20:01	5.0833	139.6500	4446
108	5 N	Multicore	11/28/92	10:48	00:48	5.0702	139.6363	4422
109	5 N	Plankton Tow	11/28/92	13:54	03:54	5.0595	139.6168	0
110	5 N	Camera Tow	11/28/92	1815:00	08:15	5.0700	139.6700	4452

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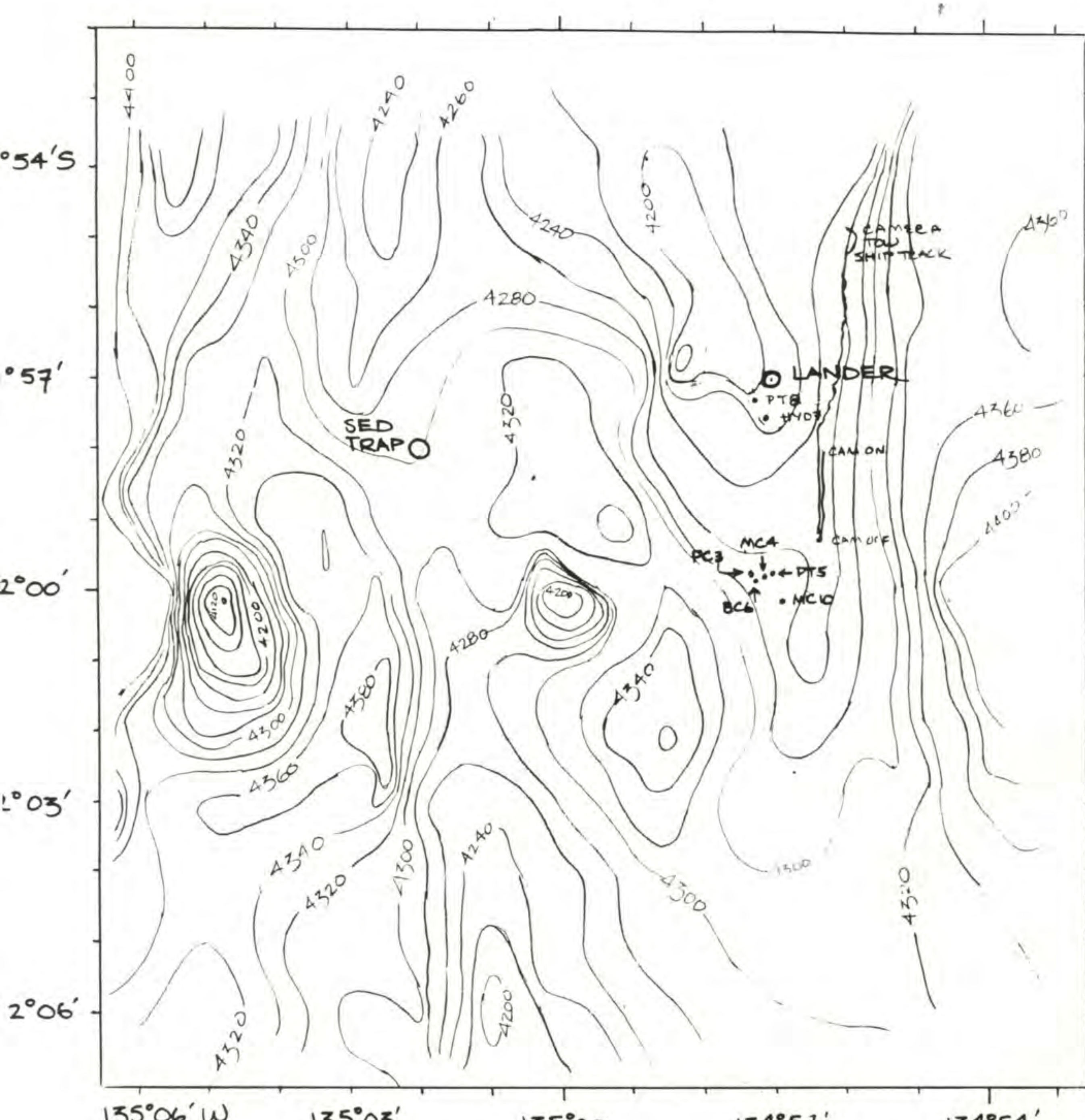
STATION	AREA	ACTIVITY	DATE (GMT)	TIME (GMT)	TIME (LOCAL)	LATITUDE (- = SOUTH)	LONGITUDE WEST	DEPTH (uncorr. m)
111	5 N	Spade Core	11/29/92	01:34	15:34	5.0737	139.6483	4424
112	5 N	Multicore	11/29/92	05:34	19:34	5.0783	139.6383	4418
113	4 N	Multicore	11/29/92	18:27	08:27	4.0413	139.8508	4431
114	4 N	Piston Core	11/29/92	22:31	12:31	4.0433	139.8508	4432
115	4 N	Plankton Tow	11/29/92	22:56	12:56	4.0422	139.8540	0
116	5 N	Spade Core	11/30/892	10:42	00:42	5.0800	139.6417	4320
117	5 N	Multicore	11/30/92	15:33	05:33	5.0717	139.6383	4333
118	5 N	Plankton Tow	11/30/92	17:26	07:26	5.0658	139.6377	0
119	5 N	Hydrocast	11/30/92	18:34	08:34	5.1070	139.6335	4295
120	5 N	Hydrocast	11/30/92	22:30	12:30	5.0818	139.7410	0
121	5 N	Spade Core	12/01/92	04:33	18:33	5.0700	139.6467	4372
122	5 N	Multicore	12/01/92	08:53	22:53	5.0833	139.6400	4349
123	5 N	Plankton Tow	12/01/92	11:33	01:33	5.0895	139.6457	0
124	5 N	Multicore	12/01/92	21:38	11:38	5.0787	139.6362	4347
125	5 N	Multicore	12/02/92	03:09	17:09	5.0817	139.6317	4340
126	5 N	Multicore	12/02/92	08:52	22:52	5.0815	139.6315	4342
127	5 N	Multicore	12/02/92	15:51	05:51	5.0800	139.6137	4342
128	9 N	Lander	12/03/92	21:34	09:34	9.0217	139.8675	4970
129	9 N	Lander	12/03/92	23:34	01:34	9.0233	139.8612	4982
130	9 N	Lander	12/04/92	00:53	02:53	9.0252	139.8605	4990
131	9 N	Spade Core	12/04/92	02:02	16:02	8.9300	139.8700	4986
132	9 N	Multicore	12/04/92	08:41	22:41	8.9247	139.8598	4992

TT013 - US JGOFS BENTHIC LEG STATIONS

STATION	AREA	ACTIVITY	DATE (GMT)	TIME (GMT)	TIME (LOCAL)	LATITUDE (- = SOUTH)	LONGITUDE WEST	DEPTH (uncorr. m)
133	9 N	Piston Core	12/04/92	12:45	02:45	8.9512	139.8708	4990
134	9 N	Spade Core	12/04/92	21:03	11:03	8.9340	139.8592	4981
135	9 N	Multicore	12/05/92	02:14	16:14	8.9250	139.8650	4994
136	9 N	Camera Tow	12/05/92	09:03	23:03	8.9100	139.8712	5012
137	9 N	Spade Core	12/05/92	17:25	07:25	5.9217	139.8667	4989
138	9 N	Plankton Tow	12/04/92	16:05	06:05	8.9233	139.8697	0
139	9 N	Multicore	12/05/92	22:17	12:17	8.9212	139.8540	4995
140	9 N	Plankton Tow	12/05/92	23:00	13:00	8.9227	139.8545	0
141	9 N	Hydrocast	12/06/92	01:31	15:31	8.9412	139.8877	4950
142	9 N	Plankton Tow	12/06/92	05:27	19:27	8.9650	139.8670	0
143	9 N	Multicore	12/06/92	09:36	23:36	8.9250	139.8697	4993
144	9 N	Spade Core	12/06/92	16:14	06:14	8.9300	139.8716	4991
145	9 N	Plankton Tow	12/06/92	18:41	08:41	8.9478	139.8638	0
146	9 N	Hydrocast	12/06/92	19:47	09:47	8.9433	139.8658	0
147	9 N	Multicore	12/06/92	22:51	12:51	8.9273	139.8657	4992
148	9 N	Multicore	12/07/92	08:38	20:38	8.9267	139.8717	4991
149	9 N	Multicore	12/07/92	12:47	22:47	8.9283	139.8633	4993
150	9 N	Plankton Tow	12/07/92	12:04	02:04	8.9277	139.8618	0
151	9 N	Hydrocast	12/07/92	16:16	06:16	8.9072	139.8738	5010
152	9 N	Spade Core	12/07/92	22:11	12:11	8.9187	139.8617	5005
153	9 N	Multicore	12/08/92	04:21	18:21	8.9258	139.8643	5000
154	9 N	Spade Core	12/08/92	07:46	21:46	8.9242	139.9727	5002

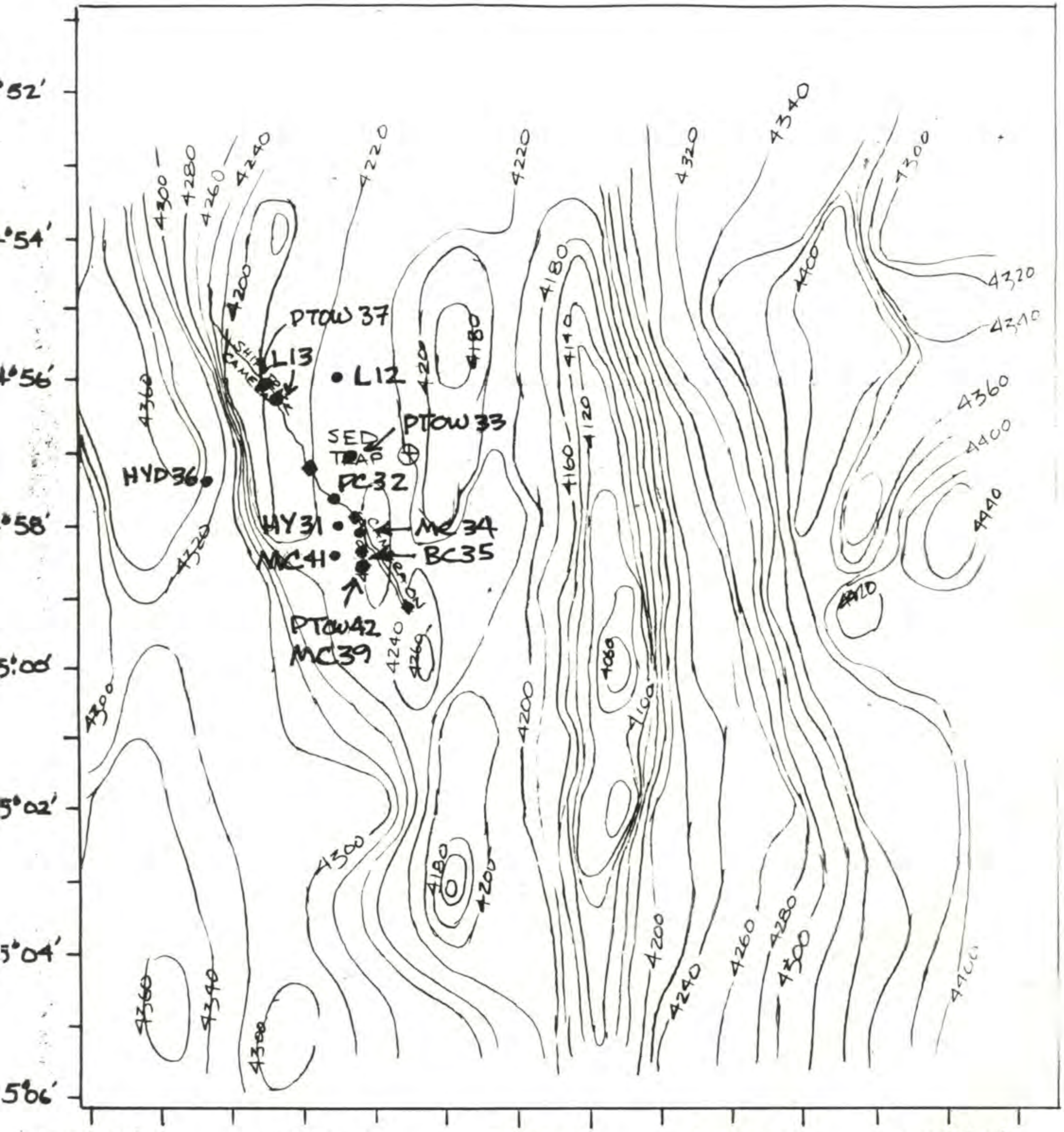
12° S AREA STATIONS

Station	Activity	Date GMT	Time GMT	Local Time	Latitude	Longitude
1	Lander	11/2/92	04:00:00	17:00:00	-11.9502	134.9503
2	Hydrocast	11/3/92	09:28:00	23:28:00	-11.5965	134.9498
3	Piston Core	11/3/92	14:30:00	04:30:00	-11.997	134.9552
4	Multicore	11/3/92	23:00:00	13:00:00	-11.9973	134.9522
5	Plankton Tow	11/3/92	23:15:00	13:15:00	-11.9967	134.9505
6	Spade Core	11/4/92	04:02:00	16:02:00	-11.9985	134.9543
7	Hydrocast	11/4/92	06:44:00	20:44:00	-11.9598	134.9518
8	Plankton Tow	11/4/92	07:35:00	21:35:00	-11.9558	134.9544
9	Camera Tow	11/4/92	10:45:00	00:45:00	-11.9888	134.9393
10	Multicore	11/4/92	19:35:00	09:35:00	-12.0032	134.9483
11	Plankton Tow	11/4/92	23:45:00	13:45:00	-11.95	134.95


°54'S
°57'
2°00'
2°03'
2°06'
135°06'W
135°03'
135°00
134°57'
134°54'
4400
4240
4260
4340
4300
4240
4200
4280
CAMERA TOW SHIP TRACK
LANDER
PTB
HYD3
SED TRAP
4320
4320
CAM ON
4360
4380
CAM OFF
MC4
PC3
PT5
BC6
MC10
4200
4200
4280
4380
4340
4300
4360
4340
4320
4300
4240
4300
4320
4200
4320

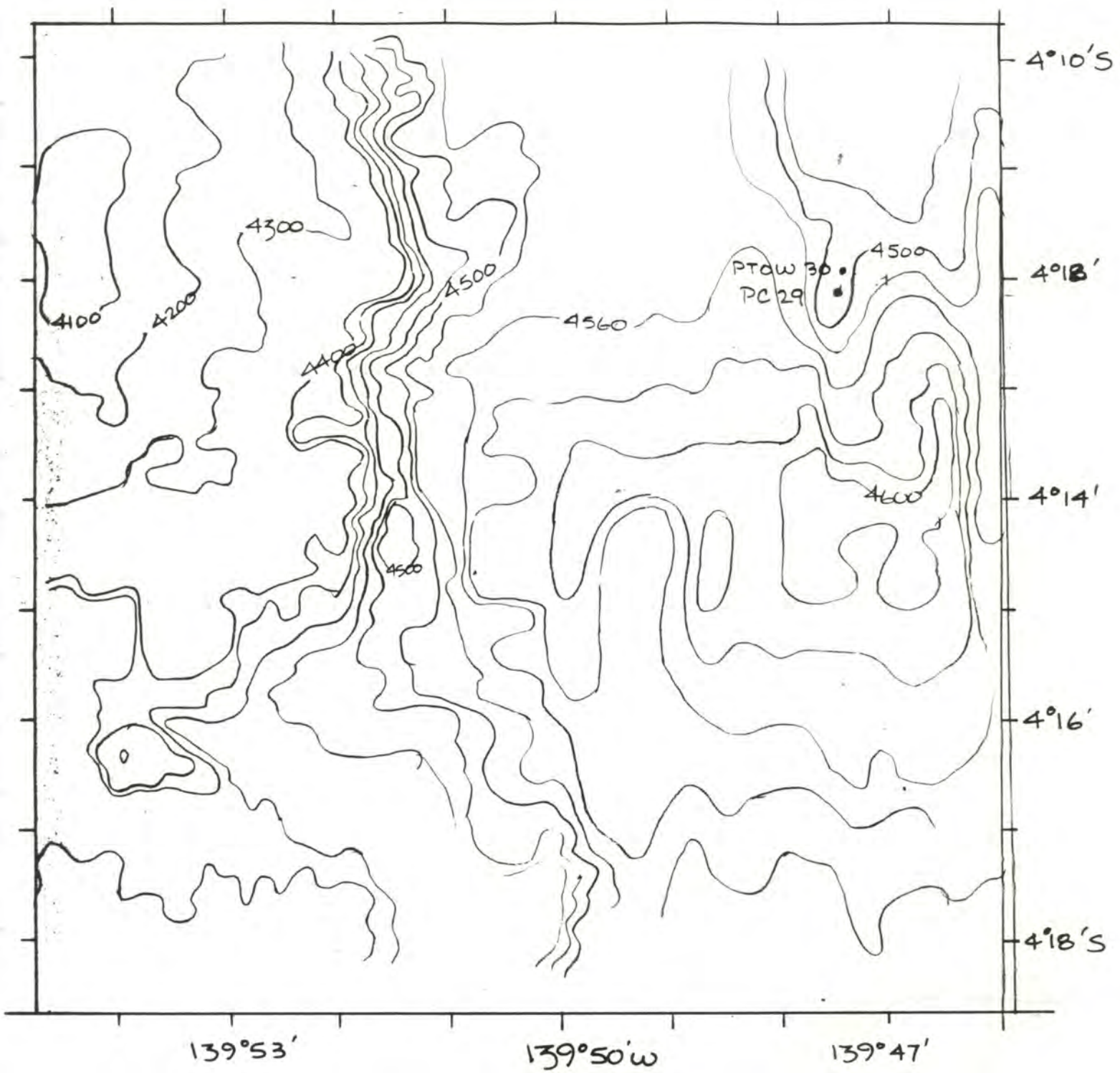
5° S AREA STATIONS

Station	Activity	Date GMT	Time GMT	Local Time	Latitude	Longitude
12	Lander	11/6/92	22:09:50	12:09:50	-4.9322	139.7323
13	Lander	11/6/92	00:04:00	14:04:00	-4.9317	139.7429
31	Hydrocast	11/10/92	19:25:00	09:25:00	-4.9662	139.7425
32	Piston Core	11/10/92	23:38:00	13:38:00	-4.9605	139.7436
33	Plankton Tow	11/11/92	00:55:00	14:55:00	-4.9507	139.7398
34	Multicore	11/11/92	06:27:00	20:27:00	-4.9738	139.7373
35	Spade Core	11/11/92	11:00:00	01:00:00	-4.9725	139.7367
36	Hydrocast	11/11/92	13:37:00	03:37:00	-4.9563	139.7735
37	Plankton Tow	11/11/92	17:40:00	07:40:00	-4.9373	139.7562
38	Hydrocast	11/11/92	18:21:00	08:21:00	-4.934	139.759
39	Multicore	11/11/92	19:17:00	09:17:00	-4.9762	139.7372
40	Camera Tow	11/12/92	01:45:00	15:45:00	-4.9783	139.7317
41	Multicore	11/12/92	11:07:00	01:07:00	-4.9733	139.7433
42	Plankton Tow	11/12/92	13:01:00	03:01:00	-4.9667	139.7385
43	Camera Tow	11/12/92	03:52:00	17:52:00	-4.975	139.715


PTOW 37
L13
L12
PTOW 33
SED TRAP
HYD36
PC32
HY31
MC 34
MC41
BC35
PTOW42
MC39
139°48'W
139°45'
139°42'
139°39'
139°36'

4° S AREA STATIONS

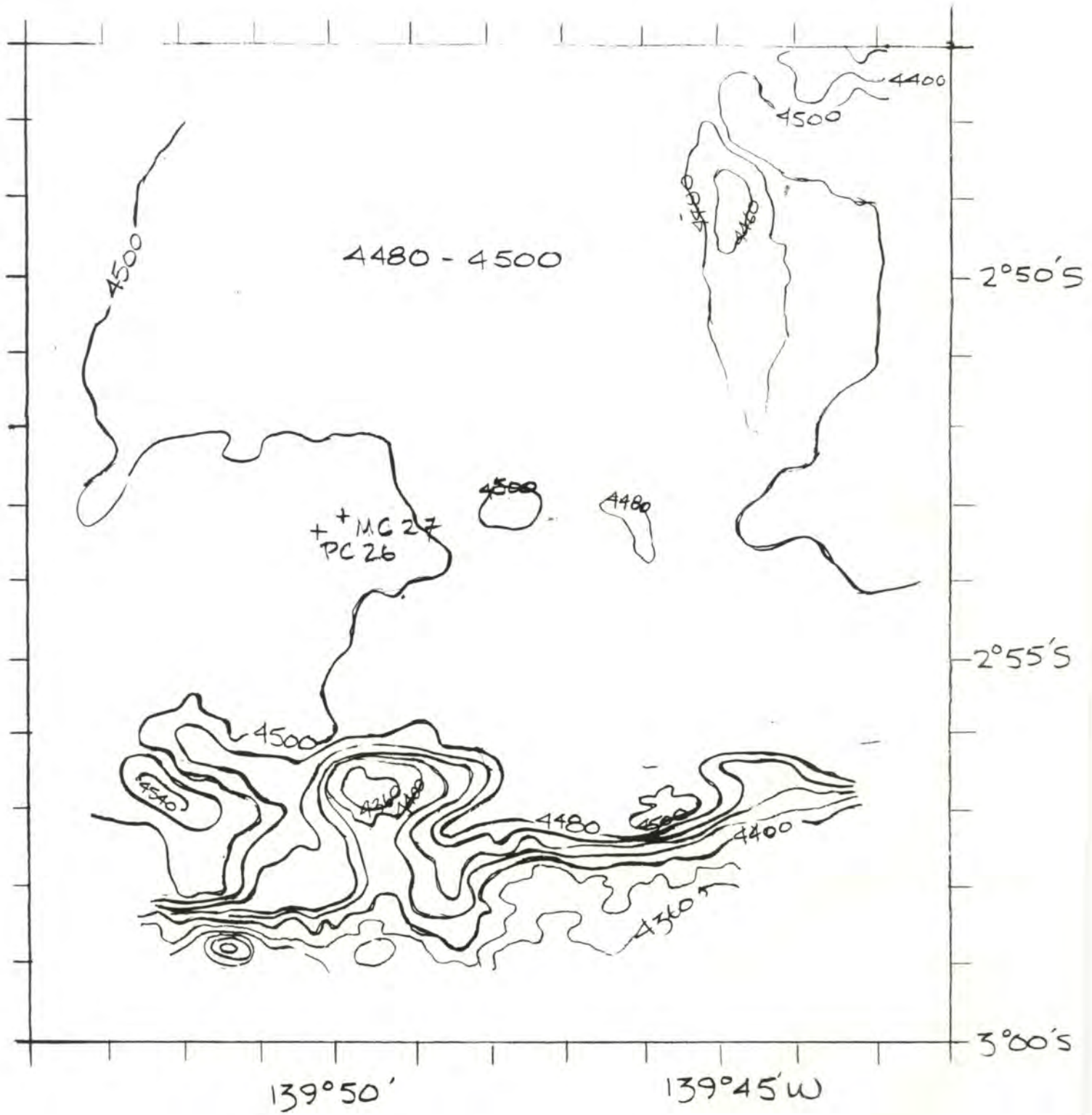
Station	Activity	Date GMT	Time GMT	Local Time	Latitude	Longitude
29	Piston Core	11/10/92	10:15:00	00:15:00	-4.2023	139.792
30	Plankton Tow	11/10/92	11:07:00	01:07:00	-4.1993	139.7905


4°10'S
4°12'
4°14'
4°16'
4°18'S
4300
4500
4100
4200
4400
4560
4500
PTOW 30
PC 29
4500
4600
4500
139°53'
139°50'W
139°47'

4° S AREA

3° S AREA STATIONS

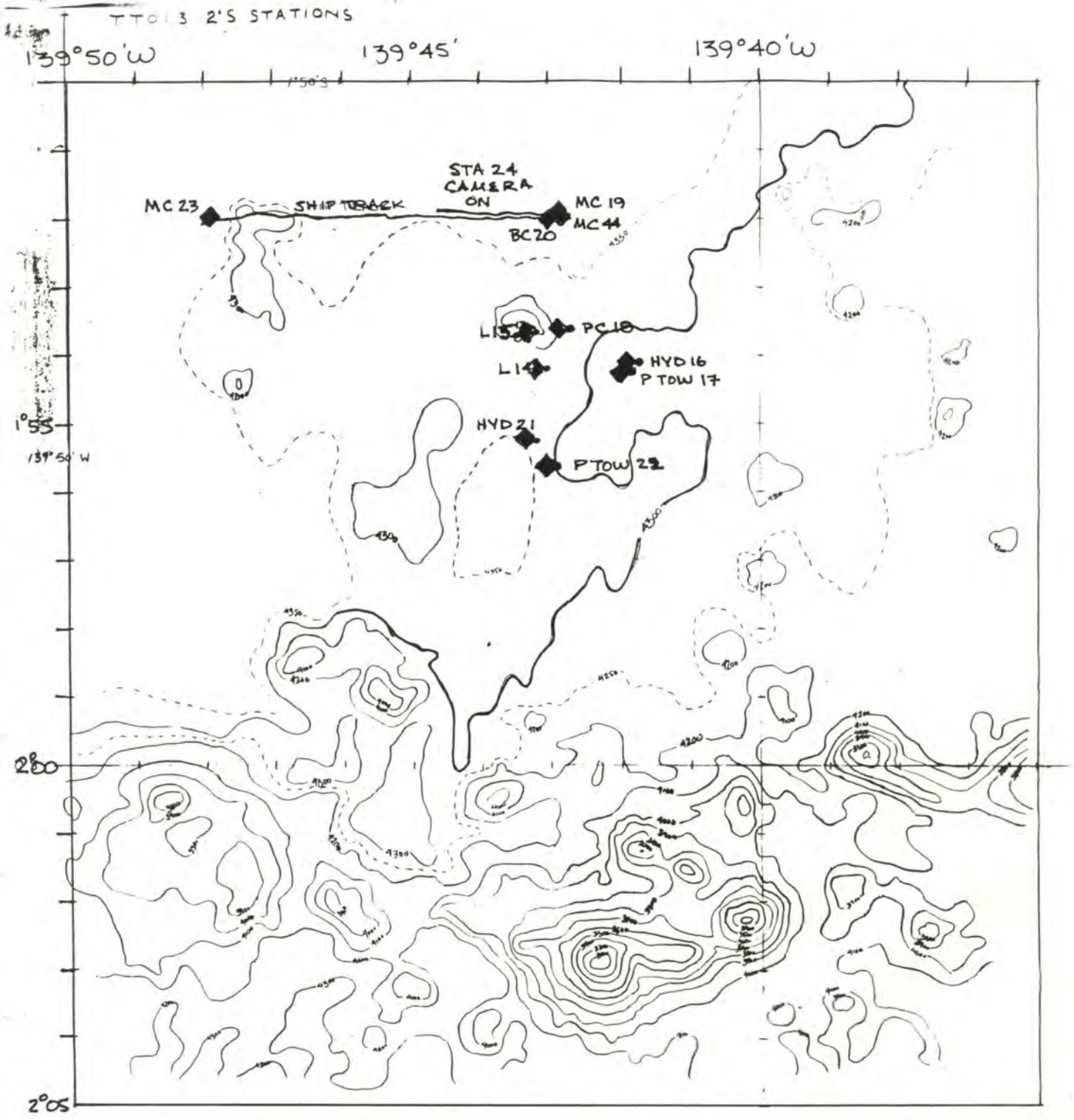
Station	Activity	Date GMT	Time GMT	Local Time	Latitude	Longitude
26	Piston Core	11/8/92	16:25:00	06:25:00	-2.8883	139.8367
27	Multicore	11/9/92	23:35:00	13:35:00	-2.8853	139.8317
28	Plankton Tow	11/9/92	22:30:00	12:30:00	-2.8837	139.8318



3°S SURVEY AREA

2° S AREA STATIONS

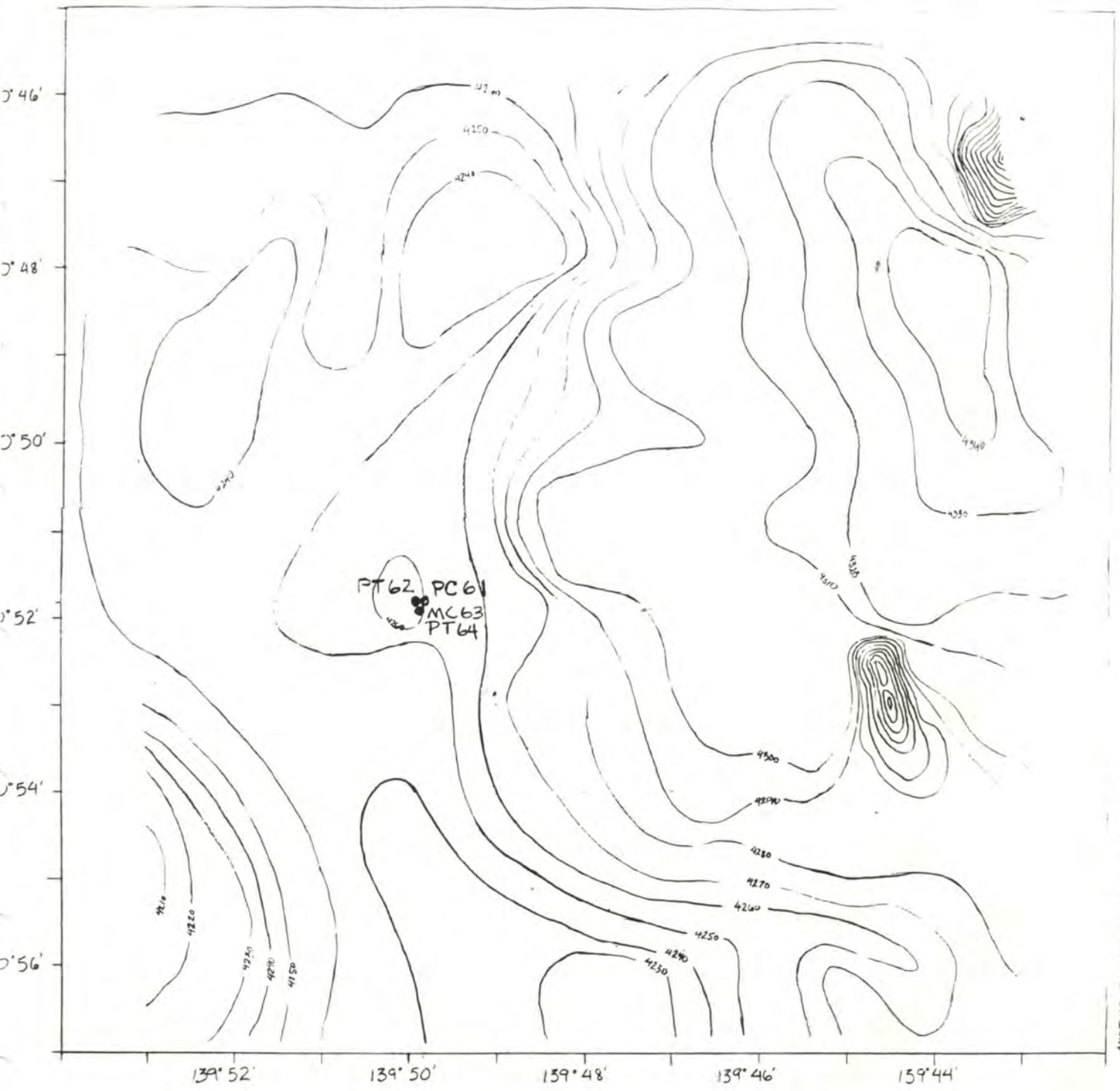
Station	Activity	Date GMT	Time GMT	Local Time	Latitude	Longitude
14	Lander	11/7/92	20:00:00	10:00:00	-1.8297	139.7195
15	Lander	11/7/92	21:27:00	11:27:00	-1.8385	139.7217
16	Hydrocast	11/7/92	22:39:30	12:30:30	-1.8308	139.6968
17	Plankton Tow	11/7/92	23:06:00	13:06:00	-1.8289	139.6987
18	Piston Core	11/8/92	02:51:00	16:51:00	-1.8395	139.7137
19	Multicore	11/8/92	09:22:00	23:22:00	-1.868	139.7157
20	Spade Core	11/8/92	14:00:00	04:00:00	-1.8665	139.7178
21	Hydrocast	11/8/92	16:00:00	06:00:00	-1.8122	139.7218
22	Plankton Tow	11/8/92	17:00:00	07:00:00	-1.8057	139.717
23	Multicore	11/8/92	19:52:00	09:52:00	-1.867	139.8008
24	Camera Tow	11/9/92	03:18:00	13:18:00	-1.8667	139.7437
25	Plankton Tow	11/8/92	07:25:00	21:25:00	-1.8672	139.6496
44	Multicore	11/14/92	02:24:00	16:24:00	-1.8667	139.7151


TTO 13 2'S STATIONS
139°50'W
139°45'
139°40'W
1°50'S
STA 24
CAMERA
ON
MC 23
SHIP TRACK
MC 19
MC 44
BC20
PC 18
L14
HYD 16
P TOW 17
HYD 21
P TOW 22
1°55'
139°50'W
2°00
2°05

2°S AREA

1° S AREA STATIONS

Station	Activity	Date GMT	Time GMT	Local Time	Latitude	Longitude
61	Piston Core	11/17/92	21:21:00	11:21:00	-0.864	139.8307
62	Plankton Tow	11/17/92	22:15:00	12:15:00	-0.8644	139.832
63	Multicore	11/18/92	07:15:00	21:15:00	-0.8655	139.8317
64	Plankton Tow	11/18/92	07:00:00	21:00:00	-0.8657	139.8318

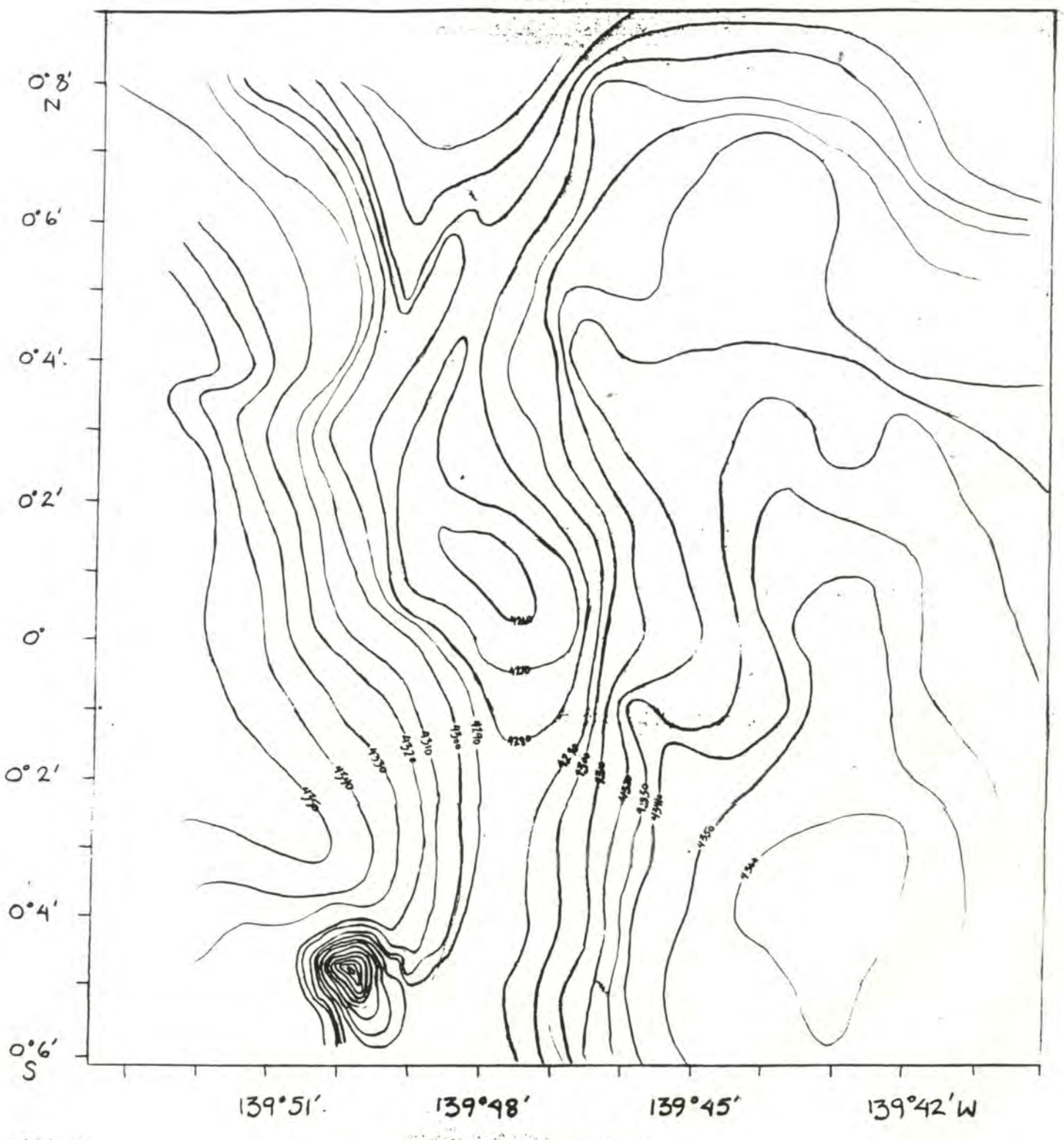


ANOTHER FICTIONAL ACCOUNT OF THE ABYSS

1° S AREA

EQUATOR AREA STATIONS

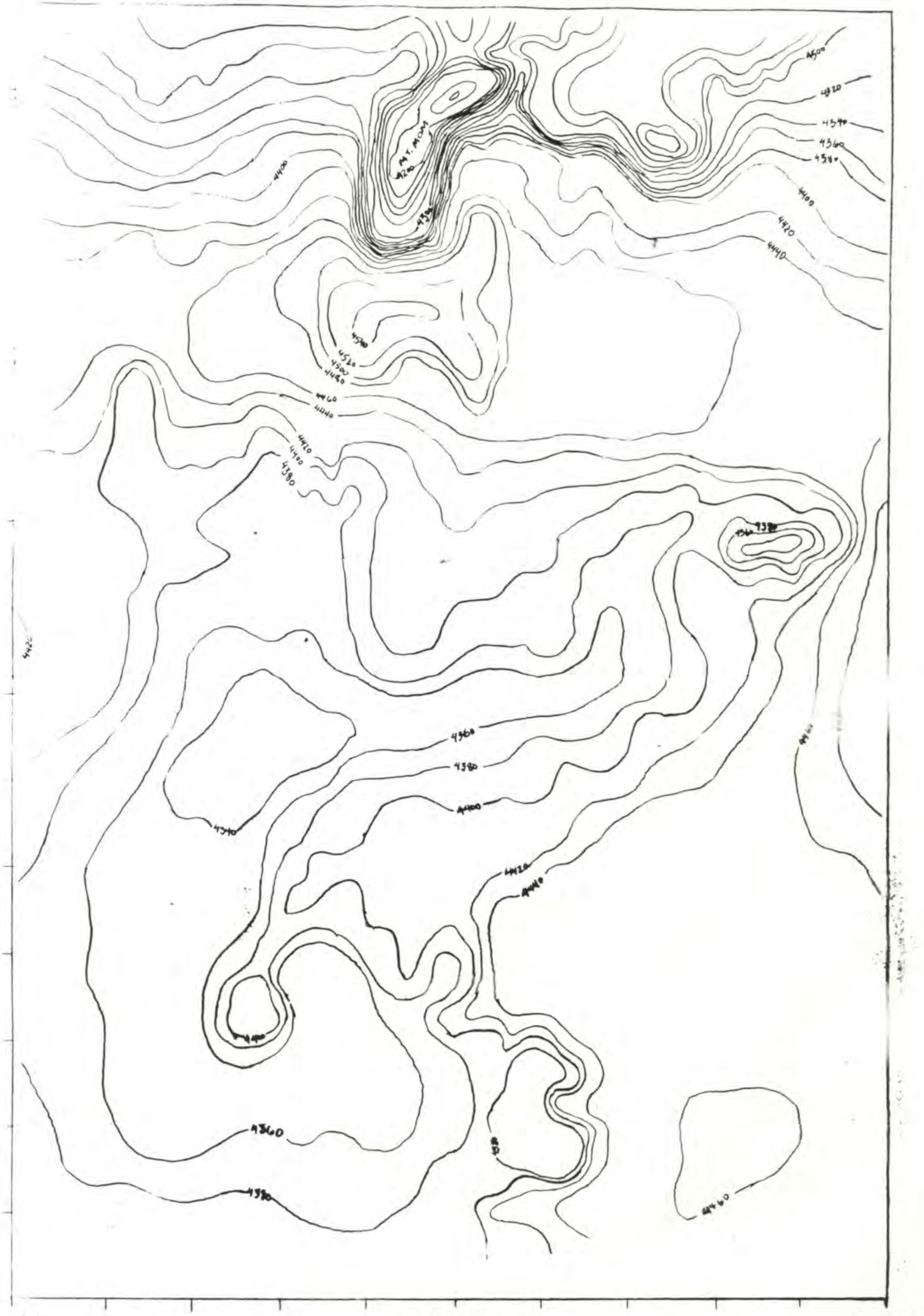
Station	Activity	Date GMT	Time GMT	Local Time	Latitude	Longitude
45	Lander	11/14/92	19:13:00	09:13:00	0.0666	139.7575
46	Lander	11/14/92	20:25:00	10:25:00	0.0757	139.7612
47	Lander	11/14/92	22:01:00	12:01:00	0.0762	139.7472
48	Multicore	11/13/92	13:47:00	03:47:00	0.12	139.735
49	Hydrocast	11/15/92	15:45:00	05:45:00	0.1018	139.7452
50	Spade Core	11/15/92	21:29:00	11:29:00	0.1	139.7317
51	Plankton Tow	11/15/92	19:53:00	09:53:00	0.0968	139.7333
52	Piston Core	11/16/92	00:41:00	14:41:00	0.0993	139.7373
53	Camera Tow	11/16/92	08:27:00	20:27:00	0.105	139.74
54	Plankton Tow	11/16/92	12:37:00	02:37:00	0.0732	139.662
55	Spade Core	11/16/92	14:20:00	04:20:00	0.1158	139.734
56	Hydrocast	11/16/92	18:44:00	08:44:00	0.127	139.7007
57	Hydrocast	11/16/92	20:57:00	10:57:00	0.1437	139.6912
58	Multicore	11/17/92	00:00:00	00:00:00	0.11	139.7233
59	Spade Core	11/16/92	06:41:00	20:41:00	0.1103	139.7327
60	Plankton Tow	11/17/92	06:02:00	20:02:00	0.1083	139.732
65	Spade Core	11/18/92	15:54:00	05:54:00	0.1067	139.735
66	Multicore	11/18/92	20:07:00	10:07:00	0.1027	139.733
67	Plankton Tow	11/18/92	22:07:00	12:07:00	0.1082	139.7309
68	Camera Tow	11/19/92	01:00:00	14:00:00	0.105	139.74
69	Multicore	11/19/92	09:36:00	23:36:00	0.1117	139.7233
70	Spade Core	11/19/92	16:26:00	06:26:00	0.1144	139.7228
71	Multicore	11/19/92	22:07:00	12:07:00	0.1144	139.75
72	Piston Core	11/20/92	03:56:00	17:56:00	0.1137	139.4015



EQUATOR AREA

1°N AREA STATIONS

Station	Activity	Date GMT	Time GMT	Local Time	Latitude	Longitude
87	Plankton Tow	11/22/92	13:02:00	03:02:00	0.816	139.919
88	Multicore	11/23/92	15:30:00	05:30:00	0.815	139.9167
89	Piston Core	11/23/92	19:13:00	09:13:00	0.814	139.9192
90	Plankton Tow	11/23/92	19:13:00	09:13:00	0.814	139.9192

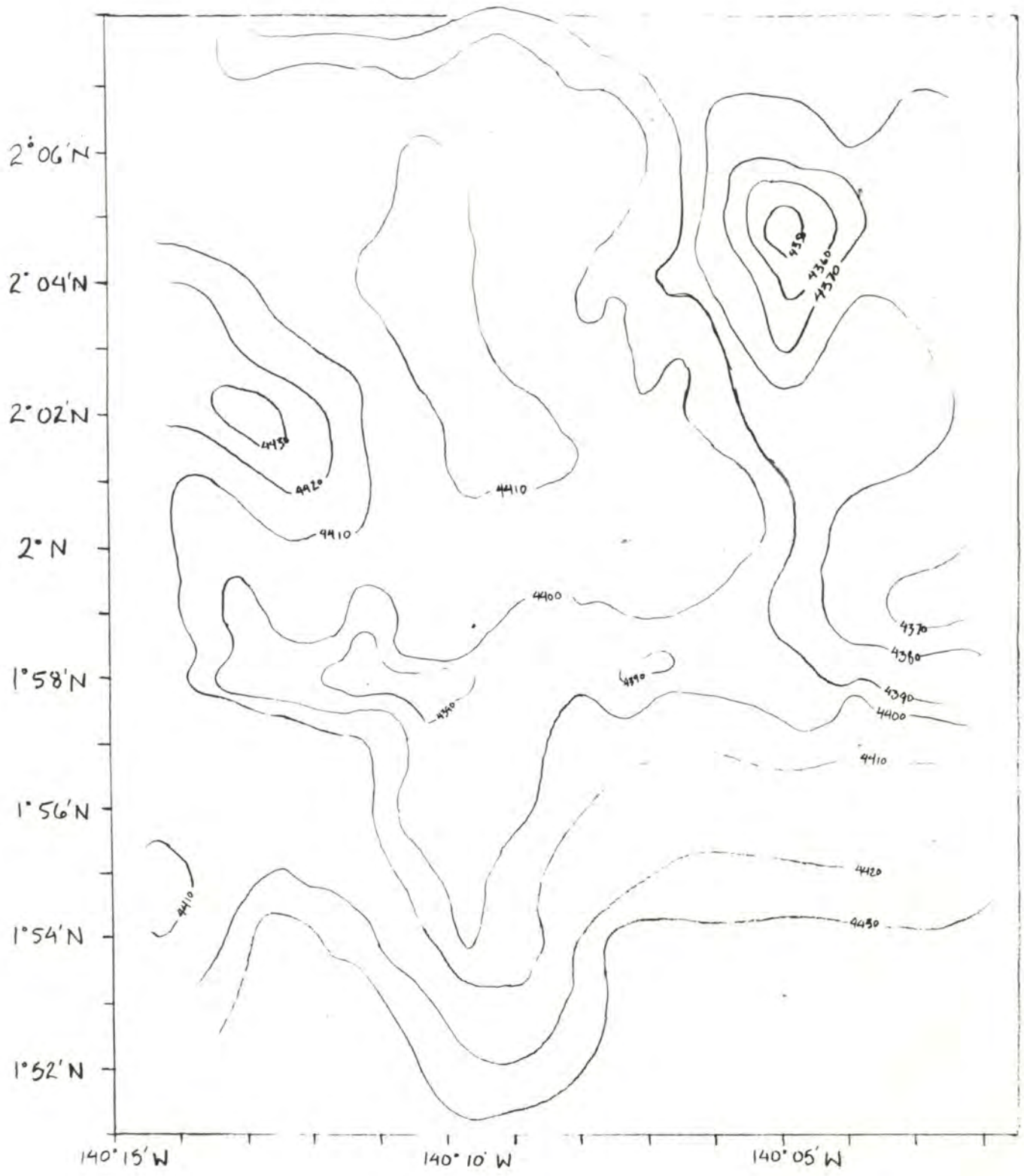


MT. MOM
4500
4420
4340
4360
4380
4400
4420
4440
4540
4520
4500
4480
4460
4440
4420
4400
4380
4360
4380
4360
4380
4400
4340
4420
4440
4400
4360
4380
4460
W
139° 55'W
139° 50'W

1°N AREA

2°N AREA STATIONS

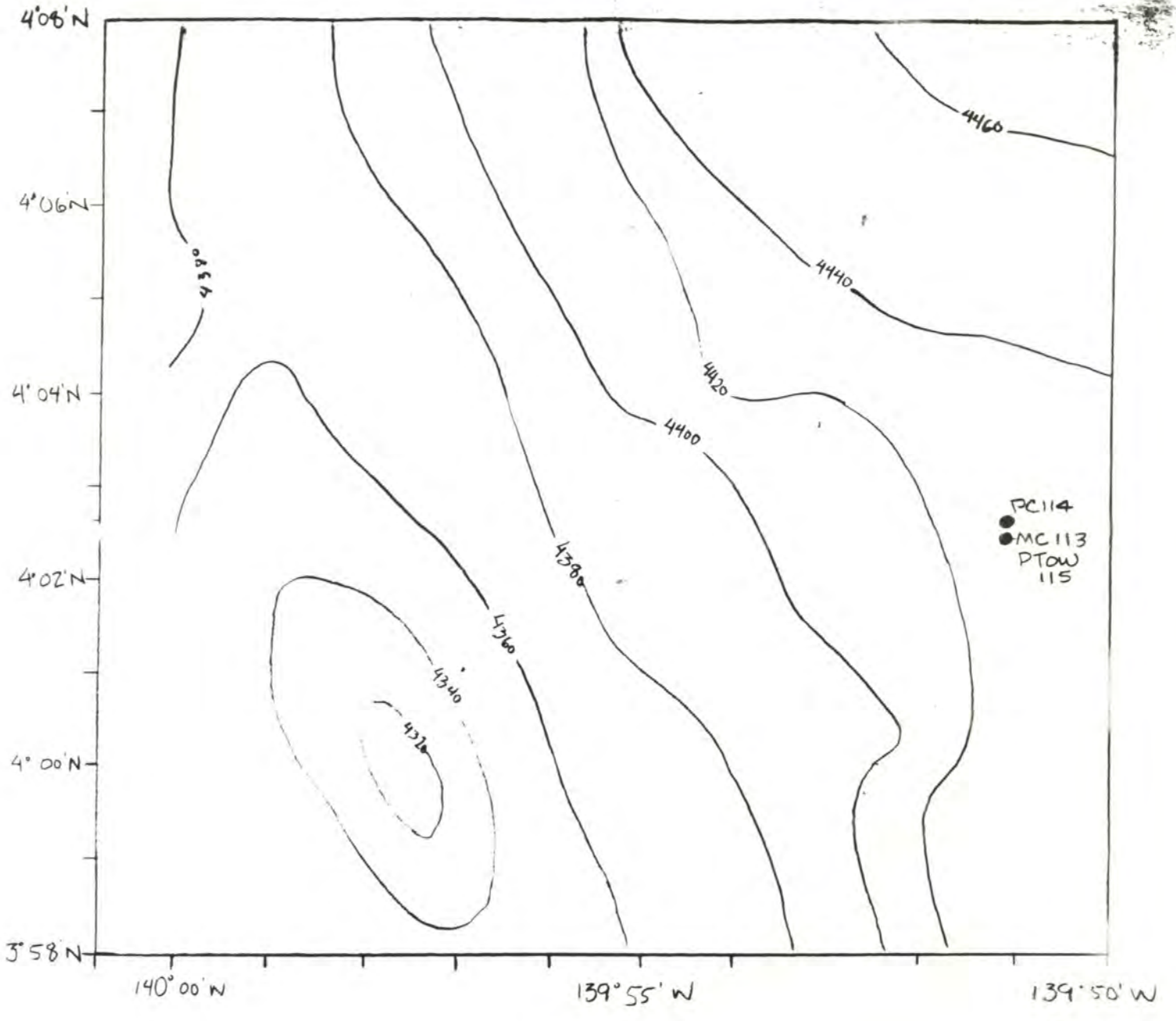
Station	Activity	Date GMT	Time GMT	Local Time	Latitude	Longitude
73	Lander	11/20/92	21:55:00	11:55:00	2.0297	140.1995
74	Lander	11/21/92	00:41:00	14:04:00	2.0283	140.1832
75	Lander	11/21/92	01:49:00	15:49:00	2.0365	140.194
76	Spade Core	11/21/92	06:49:00	20:49:00	2.0657	140.149
77	Multicore	11/21/92	11:17:00	01:17:00	2.0573	140.1425
78	Plankton Tow	11/21/92	14:00:00	04:00:00	2.0417	140.1085
79	Camera Tow	11/21/92	18:05:00	08:05:00	2.5	140.113
80	Spade Core	11/22/92	02:11:00	16:11:00	2.0667	140.1317
81	Plankton Tow	11/22/92	00:21:00	14:21:00	2.061	140.1452
82	Multicore	11/22/92	07:05:00	21:05:00	2.0633	140.15
83	Piston Core	11/22/92	10:58:00	23:58:00	2.067	140.1467
84	Plankton Tow	11/22/92	12:03:00	02:03:00	2.0703	140.1482
85	Hydrocast	11/22/92	18:01:00	08:01:00	2.0278	140.1227
86	Spade Core	11/22/92	23:14:00	13:14:00	2.066	140.1343
91	Spade Core	11/24/92	09:46:00	23:46:00	2.0633	140.1317
92	Hydrocast	11/24/92	12:34:00	02:34:00	2.0565	140.1463
93	Multicore	11/24/92	15:08:00	05:08:00	2.055	140.1433
94	Plankton Tow	11/24/92	17:14:00	07:14:00	2.0453	140.1205
95	Spade Core	11/24/92	20:16:00	10:16:00	2.0518	140.1445
96	Piston Core	11/24/92	23:21:00	13:21:00	2.0652	140.1493
97	Multicore	11/25/92	04:24:00	18:24:00	2.05	140.1433
98	Multicore	11/25/92	12:20:00	02:20:00	2.0583	130.1433


2°06'N
2°04'N
2°02'N
2°N
1°58'N
1°56'N
1°54'N
1°52'N
140°15'W
140°10'W
140°05'W
4360
4370
4450
4420
4410
4400
4390
4430
4440

2°N AREA

4°N AREA STATIONS

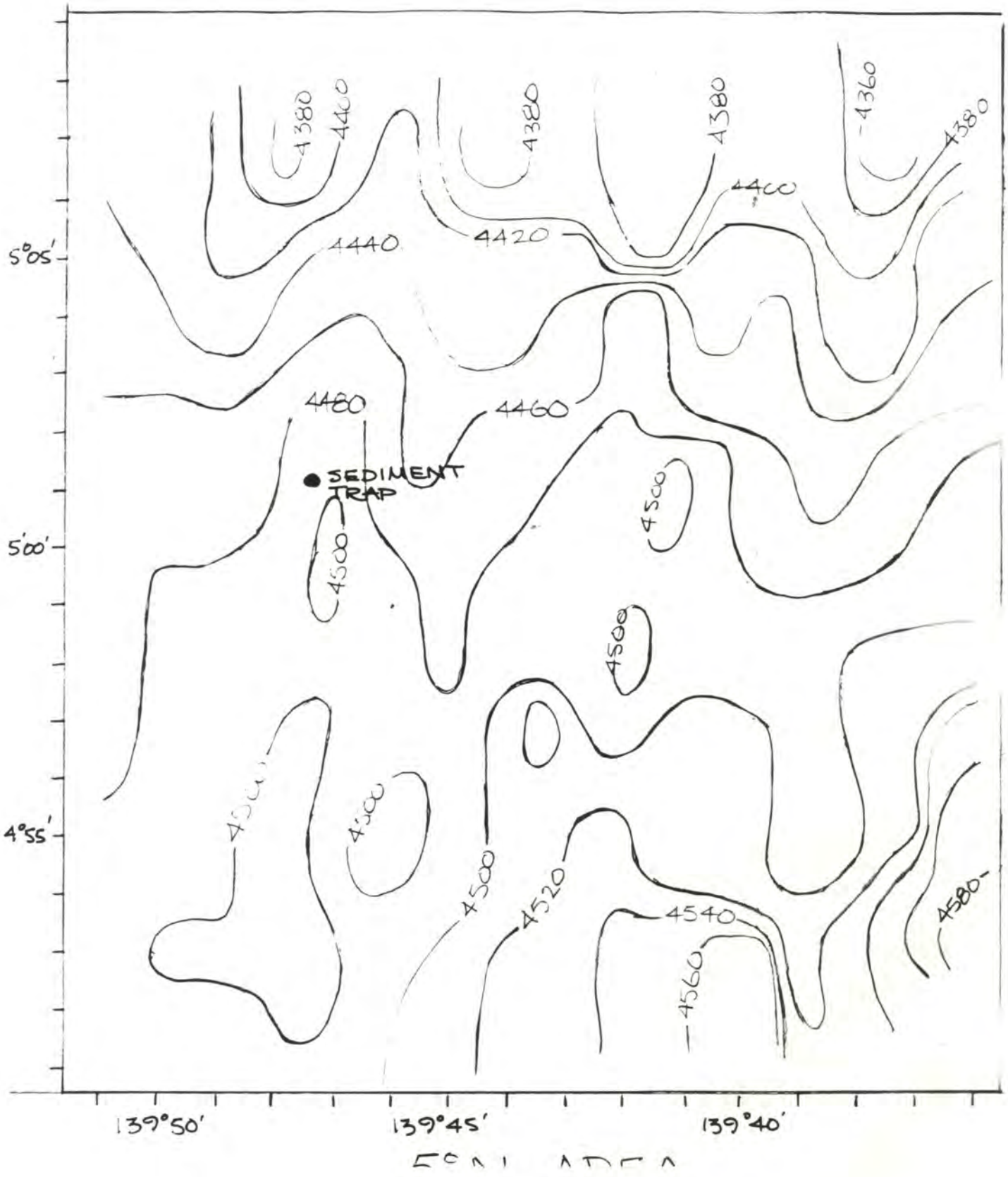
Station	Activity	Date GMT	Time GMT	Local Time	Latitude	Longitude
113	Multicore	11/29/92	18:27:00	08:27:00	4.0413	139.8508
114	Piston Core	11/29/92	22:31:00	12:31:00	4.0433	139.8508
115	Plankton Tow	11/29/92	22:56:00	12:56:00	4.0422	139.854


4°08'N
4°06'N
4°04'N
4°02'N
4°00'N
3°58'N
140°00'W
139°55'W
139°50'W
4380
4400
4420
4440
4460
4360
4340
4320
PC114
MC113
PTOW
115

4°N AREA

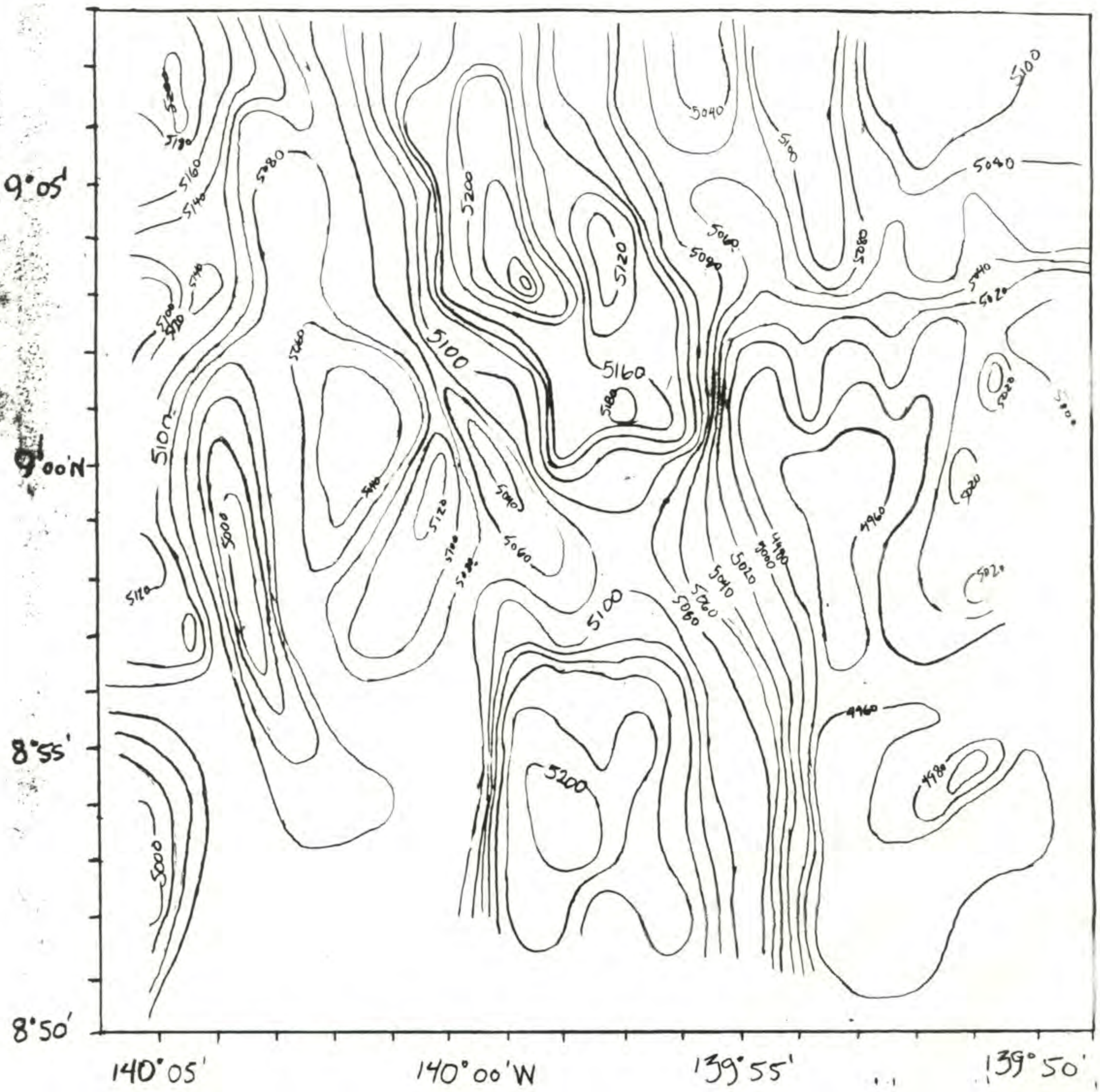
5°N AREA STATIONS

Station	Activity	Date GMT	Time GMT	Local Time	Latitude	Longitude
99	Lander	11/26/92	19:10:00	09:10:00	5.0803	139.7341
100	Lander	11/26/92	01:04:00	11:04:00	5.0735	139.7253
101	Lander	11/26/92	02:36:00	12:36:00	5.0825	139.7188
102	Hydrocast	11/27/92	07:00:00	19:00:00	5.1162	139.733
103	Spade Core	11/27/92	12:41:00	02:41:00	5.0667	139.6483
104	Multicore	11/27/92	17:42:00	07:42:00	5.0783	139.6367
105	Piston Core	11/27/92	22:00:00	12:00:00	5.078	139.627
106	Plankton Tow	11/27/92	22:51:00	12:51:00	5.075	139.6215
107	Spade Core	11/28/92	06:01:00	20:01:00	5.0833	139.65
108	Multicore	11/28/92	10:48:00	00:48:00	5.0702	139.6363
109	Plankton Tow	11/28/92	13:54:00	03:54:00	5.0595	139.6168
110	Camera Tow	11/28/92	1815:00:00	08:15:00	5.07	139.67
111	Spade Core	11/29/92	01:34:00	15:34:00	5.0737	139.6483
112	Multicore	11/29/92	05:34:00	19:34:00	5.0783	139.6383
116	Spade Core	11/30/92	10:42:00	00:42:00	5.08	139.6417
117	Multicore	11/30/92	15:33:00	05:33:00	5.0717	139.6383
118	Plankton Tow	11/30/92	17:26:00	07:26:00	5.0658	139.6377
119	Hydrocast	11/30/92	18:34:00	08:34:00	5.107	139.6335
120	Hydrocast	11/30/92	22:30:00	12:30:00	5.0818	139.741
121	Spade Core	12/1/92	04:33:00	18:33:00	5.07	139.6467
122	Multicore	12/1/92	08:53:00	22:53:00	5.0833	139.64
123	Plankton Tow	12/1/92	11:33:00	01:33:00	5.0895	139.6457
124	Multicore	12/1/92	21:38:00	11:38:00	5.0787	139.6362
125	Multicore	12/2/92	03:09:00	17:09:00	5.0817	139.6317
126	Multicore	12/2/92	08:52:00	22:52:00	5.0815	139.6315
127	Multicore	12/2/92	15:51:00	05:51:00	5.08	139.6137


4380
4400
4380
4380
4360
4400
4380
4440
4420
4480
4460
SEDIMENT TRAP
4500
4500
4500
4500
4500
4520
4540
4560
4580
5°05'
5°00'
4°55'
139°50'
139°45'
139°40'

9° N AREA STATIONS

Station	Activity	Date GMT	Time GMT	Local Time	Latitude	Longitude
128	Lander	12/3/92	21:34:00	09:34:00	9.0217	139.8675
129	Lander	12/3/92	23:34:00	01:34:00	9.0233	139.8612
130	Lander	12/4/92	00:53:00	02:53:00	9.0252	139.8605
131	Spade Core	12/4/92	02:02:00	16:02:00	8.93	139.87
132	Multicore	12/4/92	08:41:00	22:41:00	8.9247	139.8598
133	Piston Core	12/4/92	12:45:00	02:45:00	8.9512	139.8708
134	Spade Core	12/4/92	21:03:00	11:03:00	8.934	139.8592
135	Multicore	12/5/92	02:14:00	16:14:00	8.925	139.865
136	Camera Tow	12/5/92	09:03:00	23:03:00	8.91	139.8712
137	Spade Core	12/5/92	17:25:00	07:25:00	5.9217	139.8667
138	Plankton Tow	12/4/92	16:05:00	06:05:00	8.9233	139.8697
139	Multicore	12/5/92	22:17:00	12:17:00	8.9212	139.854
140	Plankton Tow	12/5/92	23:00:00	13:00:00	8.9227	139.8545
141	Hydrocast	12/6/92	01:31:00	15:31:00	8.9412	139.8877
142	Plankton Tow	12/6/92	05:27:00	19:27:00	8.965	139.867
143	Multicore	12/6/92	09:36:00	23:36:00	8.925	139.8697
144	Spade Core	12/6/92	16:14:00	06:14:00	8.93	139.8716
145	Plankton Tow	12/6/92	18:41:00	08:41:00	8.9478	139.8638
146	Hydrocast	12/6/92	19:47:00	09:47:00	8.9433	139.8658
147	Multicore	12/6/92	22:51:00	12:51:00	8.9273	139.8657
148	Multicore	12/7/92	08:38:00	20:38:00	8.9267	139.8717
149	Multicore	12/7/92	12:47:00	22:47:00	8.9283	139.8633
150	Plankton Tow	12/7/92	12:04:00	02:04:00	8.9277	139.8618
151	Hydrocast	12/7/92	16:16:00	06:16:00	8.9072	139.8738
152	Spade Core	12/7/92	22:11:00	12:11:00	8.9187	139.8617
153	Multicore	12/8/92	04:21:00	18:21:00	8.9258	139.8643


9°05'
9°00'N
8°55'
8°50'
140°05'
140°00'W
139°55'
139°50'
5100
5160
5200
5120
5040
5080
5060
5140
5000
4960
4980
5020
5200

9°N AREA

TT013 LANDER DEPLOYMENTS

STATION: 1
AREA: 12 S
LATITUDE: -11.9502 **LONGITUDE:** 134.9503 **DEPTH:** 4200
DATE: 11/02/92 **TIME (GMT):** 04:00:00
DEPLOYMENT LENGTH: 44:01 **INCUBATION LENGTH:** 32:00

COMMENTS:
Three chambers successful

STATION: 12
AREA: 5 S
LATITUDE: -4.9322 **LONGITUDE:** 139.7323 **DEPTH:** 4229
DATE: 11/06/92 **TIME (GMT):** 22:09:50
DEPLOYMENT LENGTH: 139:52 **INCUBATION LENGTH:** 126:30

COMMENTS:
No samples drawn; valve malfunction

STATION: 13
AREA: 5 S
LATITUDE: -4.9317 **LONGITUDE:** 139.7429 **DEPTH:** 4212
DATE: 11/06/92 **TIME (GMT):** 00:04:00
DEPLOYMENT LENGTH: 139:57 **INCUBATION LENGTH:** 125:20

COMMENTS:
No working chamber, gasket malfunction

TT013 LANDER DEPLOYMENTS

STATION: 14
AREA: 2 S
LATITUDE: -1.8297 **LONGITUDE:** 139.7195 **DEPTH:** 4254
DATE: 11/07/92 **TIME (GMT):** 20:00:00
DEPLOYMENT LENGTH: 144:58 **INCUBATION LENGTH:** 127:30

COMMENTS:
Three chambers worked

STATION: 15
AREA: 2 S
LATITUDE: -1.8385 **LONGITUDE:** 139.7217 **DEPTH:** 4351
DATE: 11/07/92 **TIME (GMT):** 21:27:00
DEPLOYMENT LENGTH: 147:28 **INCUBATION LENGTH:** 129:30

COMMENTS:
Three chambers worked

STATION: 45
AREA: Equator
LATITUDE: 0.0666 **LONGITUDE:** 139.7575 **DEPTH:** 4321
DATE: 11/14/92 **TIME (GMT):** 19:13:00
DEPLOYMENT LENGTH: 115:46 **INCUBATION LENGTH:** 101:05

COMMENTS:
Three chambers worked

TT013 LANDER DEPLOYMENTS

STATION: 46
AREA: Equator
LATITUDE: 0.0757 **LONGITUDE:** 139.7612 **DEPTH:** 4310
DATE: 11/14/92 **TIME (GMT):** 20:25:00
DEPLOYMENT LENGTH: 120:26 **INCUBATION LENGTH:** 105:00

COMMENTS:
Three chambers worked

STATION: 47
AREA: Equator
LATITUDE: 0.0762 **LONGITUDE:** 139.7472 **DEPTH:** 4316
DATE: 11/14/92 **TIME (GMT):** 22:01:00
DEPLOYMENT LENGTH: 124:37 **INCUBATION LENGTH:** 108:30

COMMENTS:
Three chambers worked

STATION: 73
AREA: 2 N
LATITUDE: 2.0297 **LONGITUDE:** 140.1995 **DEPTH:** 4421
DATE: 11/20/92 **TIME (GMT):** 21:55:00
DEPLOYMENT LENGTH: 114:12 **INCUBATION LENGTH:** 100:00

COMMENTS:
Two chambers worked

TT013 LANDER DEPLOYMENTS

STATION: 74
AREA: 2 N
LATITUDE: 2.0283 **LONGITUDE:** 140.1832 **DEPTH:** 4409
DATE: 11/21/92 **TIME (GMT):** 00:41:00
DEPLOYMENT LENGTH: 114:58 **INCUBATION LENGTH:** 100:30

COMMENTS:
Three chambers worked

STATION: 75
AREA: 2 N
LATITUDE: 2.0365 **LONGITUDE:** 140.1940 **DEPTH:** 4410
DATE: 11/21/92 **TIME (GMT):** 01:49:00
DEPLOYMENT LENGTH: 116:21 **INCUBATION LENGTH:** 101:00

COMMENTS:
Three chambers worked

STATION: 99
AREA: 5 N
LATITUDE: 5.0803 **LONGITUDE:** 139.7341 **DEPTH:** 4440
DATE: 11/26/92 **TIME (GMT):** 19:10:00
DEPLOYMENT LENGTH: 00:00 **INCUBATION LENGTH:** 86:00

COMMENTS:
Three chambers worked

TT013 LANDER DEPLOYMENTS

STATION: 100
AREA: 5 N
LATITUDE: 5.0735 **LONGITUDE:** 139.7253 **DEPTH:** 4430
DATE: 11/26/92 **TIME (GMT):** 01:04:00
DEPLOYMENT LENGTH: 00:00 **INCUBATION LENGTH:** 97:00

COMMENTS:
Three chambers worked

STATION: 101
AREA: 5 N
LATITUDE: 5.0825 **LONGITUDE:** 139.7188 **DEPTH:** 4426
DATE: 11/26/92 **TIME (GMT):** 02:36:00
DEPLOYMENT LENGTH: 00:00 **INCUBATION LENGTH:** 98:00

COMMENTS:
Three chambers worked

STATION: 128
AREA: 9 N
LATITUDE: 9.0217 **LONGITUDE:** 139.8675 **DEPTH:** 4970
DATE: 12/03/92 **TIME (GMT):** 21:34:00
DEPLOYMENT LENGTH: 00:00 **INCUBATION LENGTH:** 00:00

COMMENTS:
Lander not recovered.

TT013 LANDER DEPLOYMENTS

STATION: 129
AREA: 9 N
LATITUDE: 9.0233 **LONGITUDE:** 139.8612 **DEPTH:** 2982
DATE: 12/03/92 **TIME (GMT):** 23:34:00
DEPLOYMENT LENGTH: 00:00 **INCUBATION LENGTH:** 00:00

COMMENTS:
Lander not recovered.

STATION: 130
AREA: 9 N
LATITUDE: 9.0252 **LONGITUDE:** 139.8605 **DEPTH:** 4990
DATE: 12/04/92 **TIME (GMT):** 00:53:00
DEPLOYMENT LENGTH: 00:00 **INCUBATION LENGTH:** 00:00

COMMENTS:
Lander not recovered.

NOTES ON MULTICORE LOGS:

The multicore logs included in this section were compiled from the original operations log and from the descriptions provided by Susan Garner of the University of Hawaii group. The lengths provided by Garner were measured on the cores while plugs were still inserted into the base of the cores. The lengths indicated on these descriptions are the lengths after removal of the plugs and are generally one to two centimeters less than those listed on original descriptions by Garner.

Complete descriptions of the cores taken the the original descriptions are included as an appendix to the report.

MULTICORES

STATION 4
AREA: 12 S
LATITUDE: -11.9973 LONGITUDE: 134.9522 DEPTH (m): 4280
NUMBER TUBES WITH SEDIMENT: 8

	LENGTH (cm)	QUALITY	DISTRIBUTION	SAMPLE USE
TUBE 1:	43	excellent, water clear	Dobbs	microbiology
TUBE 2:	35	good, water somewhat turbid	?	
TUBE 3:	38	good, water somewhat turbid	Kastner	porewater/centrifuge
TUBE 4:	20	PVC, short core	Leinen	paleo
TUBE 5:	32	good, water somewhat turbid	Dobbs	microbiology
TUBE 6:	0	PVC, cap slipped		
TUBE 7:	32	fair, slipped in tube	Anderson	radionuclides
TUBE 8:	37	good, water somewhat turbid	Berelson	porewater/whole core squeezer

STATION 10
AREA: 12 S
LATITUDE: -12.0032 LONGITUDE: 134.9483 DEPTH (m): 4280
NUMBER TUBES WITH SEDIMENT: 8

	LENGTH (cm)	QUALITY	DISTRIBUTION	SAMPLE USE
TUBE 1:	34	excellent, water very clear, nodule on surf	Demaster/Kadko	
TUBE 2:	37	good, water clear, light floc layer with forams	Berelson	porewater/whole core squeezer
TUBE 3:	37	excellent, water very clear, light floc layer with forams	Kastner	porewater/centrifuge
TUBE 4:	37	good, water clear, nodule on surface, very light floc layer	Demaster/Kadko	biol. comp; long lived radionuclides
TUBE 5:	36	excellent, water very clear, two nodules in core, burrows filled with forams	Smith	sieved for macrofauna
TUBE 6:	37	excellent, water very clear, PVC tube, nodule on surface	Leinen	paleo
TUBE 7:	39	excellent, water very clear, nodule on surface, flocs with forams	Demaster/Kadko	biol. comp.; long lived radionuclides
TUBE 8:	10	gap at bottom, top good	Dobbs, Demaster	

MULTICORES

STATION 19
AREA: 2 S
LATITUDE: -1.8680 LONGITUDE: 139.7157 DEPTH (m): 4376
NUMBER TUBES WITH SEDIMENT: 7

LENGTH (cm)		QUALITY	DISTRIBUTION	SAMPLE USE
TUBE 1:	31	good	Dobbs	microbiology
TUBE 2:	30	good, water clear, surface even	Berelson	porewater/whole core squeezer
TUBE 3:	33	excellent, water very clear, phytodetr.	Kastner	porewater/centrifuge
TUBE 4:	32	excellent, water very clear, phytodetr. and flocs	Hedges	organic chemistry
TUBE 5:	33	excellent, water very clear, phytodetr and flocs	Demaster/Kadko	biol. comp.; short lived radionuclides
TUBE 6:	0	PVC, empty		
TUBE 7:	32	good, water clear, much floc and phytodetr.	Demaster/Kadko	short lived radionuclides, biol. comp., gamma emitters
TUBE 8:	16	gap, surface good, short core	Anderson	radionuclides, thorium

STATION 23
AREA: 2 S
LATITUDE: -1.8670 LONGITUDE: 139.8008 DEPTH (m): 4380
NUMBER TUBES WITH SEDIMENT: 7

LENGTH (cm)		QUALITY	DISTRIBUTION	SAMPLE USE
TUBE 1:	20	good, water clear to slightly turbid, small amt of floc	Leinen	paleo
TUBE 2:	29	good, water clear, floc balls	Berelson	porewater/whole core squeezer
TUBE 3:	0	PVC, empty		
TUBE 4:	32	good, water clear, some floc balls	Kastner	porewater/centrifuge
TUBE 5:	27	good, water slightly turbid,	Hedges	organic chemistry
TUBE 6:	33	good, water slightly turbid, xenophyophore on surface.	Demaster/Kadko	biol. comp.; long lived radionuclides
TUBE 7:	0	good	Dobbs	microbiology
TUBE 8:	33	excellent, water very clear, much phytodetr.	Smith	phaeopigments

MULTICORES

STATION 27
AREA: 3 S
LATITUDE: -2.8853 LONGITUDE: 139.8317 DEPTH (m): 4513
NUMBER TUBES WITH SEDIMENT: 7

	LENGTH (cm)	QUALITY	DISTRIBUTION	SAMPLE USE
TUBE 1:	31	excellent, water very clear, loose flocs and phytodetr.	Smith/Demaster	phaeopigments, radionuclides
TUBE 2:	33	excellent, water very clear, much loose phytodetr	Berelson	porewater/whole core squeezer
TUBE 3:	18	water very clear, gap at bottom, phytodetr on surface	Leinen	paleo
TUBE 4:	32	good, water clear, phytodetr on surface	Kastner	porewater/centrifuge
TUBE 5:	30	excellent, water very clear, loose floc material on surface	Demaster	biol. comp.; long lived radionuclides
TUBE 6:	0	PVC, empty		
TUBE 7:	32	excellent, water very clear, surface even, much phytodetr on surface	Smith	phaeopigments
TUBE 8:	32	excellent, water very clear, much loose phytodetr	Anderson	pore water

STATION 34
AREA: 5 S
LATITUDE: -4.9738 LONGITUDE: 139.7373 DEPTH (m): 4256
NUMBER TUBES WITH SEDIMENT: 7

	LENGTH (cm)	QUALITY	DISTRIBUTION	SAMPLE USE
TUBE 1:	14	short, water drained	Smith	macrofauna
TUBE 2:	26	good to very good, water clear to slightly turbid, surface relief = 2 cm, some large clumps of	Anderson	radionuclides
TUBE 3:	26	good, water somewhat turbid, surface relief = 1/2 cm, some loose flocculant material	Hedges	organic chemistry
TUBE 4:	25	very good, water clear, surface level, little loose flocculant material	Demaster/Kadko	biol. comp.; long lived radionuclides
TUBE 5:	30	excellent, water very clear, surface level, some pale green loose flocculant material on surface	Berelson	porewater/whole core squeezer
TUBE 6:	23	very good, clear water, flocs on surface	Dobbs	microbiology
TUBE 7:	32	very good, water clear, surface relief = 1 cm, some loose flocculant material on surface	Kastner	porewater/centrifuge
TUBE 8:	0	empty		

STATION 39
AREA: 5 S
LATITUDE: -4.9762 LONGITUDE: 139.7372 DEPTH (m): 4294
NUMBER TUBES WITH SEDIMENT: 7

	LENGTH (cm)	QUALITY	DISTRIBUTION	SAMPLE USE
TUBE 1:	24	excellent, water very clear, no flocs at sed surfac	Hedges	organic chemistry
TUBE 2:	25	good, water clear, no loose sed. or flocs on sed surface	Hedges	organic chemistry
TUBE 3:	0	no water, PVC tube with core catcher, disturbed	Leinen	paleo
TUBE 4:	27	excellent, water very clear	Dobbs	microbiology
TUBE 5:	28	excellent, water very clear, surface even, no flocs	Kastner	porewater/centri
TUBE 6:	30	excellent, water very clear, slight slant to surface, no flocs	Smith	phaeopigments
TUBE 7:	0	empty		
TUBE 8:	32	excellent, water very clear, surface flat, a few mucous balls	Berelson	porewater/whole core squeezer

STATION 41
AREA: 5 S
LATITUDE: -4.9733 LONGITUDE: 139.7433 DEPTH (m): 4264
NUMBER TUBES WITH SEDIMENT: 6

	LENGTH (cm)	QUALITY	DISTRIBUTION	SAMPLE USE
TUBE 1:	0	empty		
TUBE 2:	25	good, water slightly turbid, slight slat to surface; many mucous balls	Hedges	organic chemistry
TUBE 3:	0	empty		
TUBE 4:	26	good, water slightly turbid, surface even, some mucous balls	Leinen	paleo
TUBE 5:	26	good, water slighty turbid, mucous balls	Smith	phaeopigments
TUBE 6:	28	good, water clear, some loose flocs	Demaster/Kadko	biol. comp., short lived radionuclides, gamma emitters
TUBE 7:	28	excellent, water clear, some loose flocs at surface	Demaster/Kadko	biol. comp.; short lived radionulcides, gamma emitters
TUBE 8:	28	good, water slightly turbid, some flocs at surface	Demaster/Kadko	biol. comp.; short lived radionuclides, gamma emitters

STATION 44

AREA: 2 S

LATITUDE: -1.8667 LONGITUDE: 139.7151 DEPTH (m): 4338

NUMBER TUBES WITH SEDIMENT: 0

	LENGTH (cm)	QUALITY	DISTRIBUTION	SAMPLE USE
TUBE 1:	0	empty		
TUBE 2:	0	empty		
TUBE 3:	0	empty		
TUBE 4:	0	empty		
TUBE 5:	0	empty		
TUBE 6:	0	empty		
TUBE 7:	0	empty		
TUBE 8:	0	empty		

STATION 48

AREA: Equator

LATITUDE: 0.1200 LONGITUDE: 139.7350 DEPTH (m): 4315

NUMBER TUBES WITH SEDIMENT: 7

	LENGTH (cm)	QUALITY	DISTRIBUTION	SAMPLE USE
TUBE 1:	0	empty		
TUBE 2:	25	excellent, very clear, 1 cm surface slant, abundant green phytodetritus on surface	Kastner	porewater/centrifuge
TUBE 3:	26	excellent, water very clear, phytodetritus on surface, 1 cm surface slant	Smith	phaeopigments
TUBE 4:	23	excellent, clear water, 2-3 mm phytodetritus on surface, good interface	Dobbs/Anderson	microbiology; radionuclides
TUBE 5:	26	excellent, clear water, 2-3 mm phytodetritus on surface, good interface	Demaster/Kadko	biol. comp.; short lived radionuclides
TUBE 6:	27	excellent, clear water, 2-3 mm phytodetritus on surface, good interface	Demaster/Kadko	biol. comp.; short lived radionuclides
TUBE 7:	26	excellent, very clear water, surface even, some phytodetritus on surface	Hedges	organic chemistry
TUBE 8:	28	excellent, very clear water, abundant phytodetritus on surface	Berelson	porewater/whole core squeezer

STATION 58

AREA: Equator

LATITUDE: 0.1100 LONGITUDE: 139.7233 DEPTH (m): 4301

NUMBER TUBES WITH SEDIMENT: 7

	LENGTH (cm)	QUALITY	DISTRIBUTION	SAMPLE USE
TUBE 1:	32	excellent, very clear water, even surface, heavy phytodetritus on surface	Demaster/Kadko	biol. comp.; short lived radionuclides
TUBE 2:	32	excellent, water very clear, even surface, much phytodetritus	Berelson	porewater/whole core squeezer
TUBE 3:	28	excellent, very clear water, abundant phytodetritus and flocculent material	Dobbs	microbiology
TUBE 4:	33	excellent, water very clear, surface even, abundant phytodetritus	Kastner	porewater/centrifuge
TUBE 5:	30	excellent, water very clear, surface covered with phytodetritus	Leinen	paleo
TUBE 6:	33	excellent, water very clear, surface covered with phytodetritus, 0.5 cm slant surface	Smith	phaeopigments
TUBE 7:	34	excellent, water very clear, phytodetritus in low points of surface	Hedges	organic chemistry
TUBE 8:	0	empty		

STATION 63

AREA: 1 S

LATITUDE: -0.8655 LONGITUDE: 139.8317 DEPTH (m): 4276

NUMBER TUBES WITH SEDIMENT: 6

	LENGTH (cm)	QUALITY	DISTRIBUTION	SAMPLE USE
TUBE 1:	0	empty		
TUBE 2:	19	good, water somewhat turbid, surface even, a few phytodetritus balls on surface	Berelson	porewater/whole core squeezer
TUBE 3:	15	fair, water turbid, surface very even, some loose phytodetritus	Leinen	paleo
TUBE 4:	15	good, water slightly turbid, surface slant of 1/2 cm, some look phytodetritus	Leinen	paleo
TUBE 5:	18	good, water somewhat turbid, suface level, much loose phytodetritus	Kastner	porewater/centrifuge
TUBE 6:	17	excellent, water clear, surface slightly slanted, some phytodetritus on surface	Leinen	paleo
TUBE 7:	17	excellent, water very clear, surface level, much phytodetritus on surface	Kastner	Ba phases
TUBE 8:	0	empty		

STATION 66
AREA: Equator
LATITUDE: 0.1027 LONGITUDE: 139.7330 DEPTH (m): 4309
NUMBER TUBES WITH SEDIMENT: 7

	LENGTH (cm)	QUALITY	DISTRIBUTION	SAMPLE USE
TUBE 1:	18	excellent, water very clear, surface slant 1/2 cm, much phytodetritus on surface	Smith	phaeopigments
TUBE 2:	32	excellent, water very clear, abundant phytodetritus on surface, surface level	Demaster/Kadko	biol. comp., short-lived radionuclides, gamma emitters
TUBE 3:	33	excellent, water very clear, abundant phytodetritus, surface level	Demaster/Kadko	biol. comp., short-lived radionuclides, gamma emitters
TUBE 4:	33	excellent, water very clear, much phytodetritus on surface, slight mounded surface	Dobbs/Demaster	microbiology/biol. comp.
TUBE 5:	32	very good, water clear, much phytodetritus on surface, surface has mounds and dips = 1.5 cm	Hedges	organic chemistry
TUBE 6:	31	excellent, water very clear, much phytodetritus on surface, slight mounds = 1/2 cm	Hedges	organic chemistry
TUBE 7:	29	very good, water clear, abundant phytodetritus, 1 cm mounds on surface	Leinen	paleo
TUBE 8:	0	empty		

STATION 69
AREA: Equator
LATITUDE: 0.1117 LONGITUDE: 139.7233 DEPTH (m): 4307
NUMBER TUBES WITH SEDIMENT: 8

	LENGTH (cm)	QUALITY	DISTRIBUTION	SAMPLE USE
TUBE 1:	29	very good, water clear, slightly mounded surface with xenophyophores and ? tubes	Leinen	paleo
TUBE 2:	31	excellent, water very clear, surface level, much phytodetritus	Anderson	porewater/trace metal profiles
TUBE 3:	28	exceptionally clear water, much phytodetritus, surface relief = 0.5 cm	Dobbs	microbiology
TUBE 4:	31	very good, water clear, slightly uneven surface, much phytodetritus	Demaster/Kadko	biol. comp., long-lived radionuclides
TUBE 5:	31	excellent, water very clear, slightly uneven surface, much phytodetritus	Hedges	organic chemistry
TUBE 6:	29	excellent, water very clear, surface level, much phytodetritus	Smith	phaeopigments
TUBE 7:	31	excellent, water very clear, surface slightly uneven = 1/2 cm, much phytodetritus, piece of	Hedges	organic chemistry
TUBE 8:	29	very good, water clear, surface level, much phytodetritus, xenophyophore (2.5 cm), surface	Kastner	Ba phases

STATION 71

AREA: Equator

LATITUDE: 0.1144 LONGITUDE: 139.7500 DEPTH (m): 4304

NUMBER TUBES WITH SEDIMENT: 8

	LENGTH (cm)	QUALITY	DISTRIBUTION	SAMPLE USE
TUBE 1:	31	excellent, water very clear, much phytodetritus	Hedges	organic chemistry
TUBE 2:	31	excellent, water very clear, surface level, much green phytodetritus	Smith	macrofauna
TUBE 3:	30	fair, water turbid, surface level, much phytodetritus	Dobbs/Demaster	microbiology, biol. comp., long-lived radionuclides
TUBE 4:	34	excellent, water very clear, 1.5 cm mound on surface, much phytodetritus on surface	Smith	phaeopigments
TUBE 5:	32	very good, water clear, surface level, some phytodetritus	Anderson	Th/Pa ratios
TUBE 6:	27	excellent, water very clear, surface with 1 cm relief, much green phytodetritus	Demaster/Kadko	biol. comp., short-lived radionuclides
TUBE 7:	33	excellent, water very clear, surface relief = 1 cm, much green phytodetritus	Demaster/Kadko	biol. comp., short-lived radionuclides
TUBE 8:	29	excellent, water very clear, surface level, much green phytodetritus	Dobbs/Leinen	microbiology/paleo

STATION 77

AREA: 2 N

LATITUDE: 2.0573 LONGITUDE: 140.1425 DEPTH (m): 4412

NUMBER TUBES WITH SEDIMENT: 8

	LENGTH (cm)	QUALITY	DISTRIBUTION	SAMPLE USE
TUBE 1:	11	water drained, short core, disturbed		
TUBE 2:	20	good, water slightly turbid, surface slant = 1 cm, some phytodetritus	Hedges	organic chemistry
TUBE 3:	33	very good, water clear, surface slant = 1 cm, much loose phytodetritus	Smith	phaeopigments
TUBE 4:	33	fair, water slightly turbid, surface slant = 1 cm, some loose phytodetritus	Anderson	Th/Pa ratios
TUBE 5:	33	very good, water clear, surface level, much phytodetritus	Berelson	porewater/whole core squeezer
TUBE 6:	32	very good, water clear, surface level, much loose phytodetritus	Demaster/Kadko	biol. comp., short-lived radionuclides
TUBE 7:	31	very good, water clear, surface level, some greenish brown phytodetritus	Demaster/Kadko	biol. comp., short-lived radionuclides
TUBE 8:	30	very good, water clear, surface level, much phytodetritus, large xenophyophore	Berelson	porewater/centrifuge

STATION 82

AREA: 2 N

LATITUDE: 2.0633 LONGITUDE: 140.1500 DEPTH (m): 4413

NUMBER TUBES WITH SEDIMENT: 8

	LENGTH (cm)	QUALITY	DISTRIBUTION	SAMPLE USE
TUBE 1:	30	excellent, water very clear to approx. 5 cm, some resuspended sediment, surface relief = 7 mm	Dobbs	microbiology
TUBE 2:	32	very good, water clear, surface level, much phytodetritus	Berelson	porewater/whole core squeezer
TUBE 3:	32	excellent, water very clear, surface leve, much phytodetritus	Smith	phaeopigments
TUBE 4:	28	very good, water clear, surface relief = 2 cm, some phytodetritus	Kastner	Ba phases
TUBE 5:	30	very good, water clear, surface level, much green phytodetritus	Demaster/Kadko	biol. comp., short-lived radionuclides
TUBE 6:	23	very good, water clear, surface relief = 1 cm, some phytodetritus	Leinen	paleo
TUBE 7:	34	good, water slightly turbid, surface level, some phytodetritus	Hedges	organic chemistry
TUBE 8:	28	good, water slightly turbid, surface level, some phytodetritus	Berelson	porewater/centrifuge

STATION 88

AREA: 1 N

LATITUDE: 0.8150 LONGITUDE: 139.9167 DEPTH (m): 4415

NUMBER TUBES WITH SEDIMENT: 8

	LENGTH (cm)	QUALITY	DISTRIBUTION	SAMPLE USE
TUBE 1:	21	good, water somewhat turbid, surface level, possible resuspension, a few mucous balls	Smith	meiofauna
TUBE 2:	28	good, water slightly turbid, surface level, some loose flocs	Berelson	porewater/whole core squeezer
TUBE 3:	32	good, water slightly turbid, surface relief=2cm, little loose material on surface, xenophyphore on	Leinen	porewater
TUBE 4:	31	good, water slightly turbid, surface level, some llose flocculant material	Leinen	paleo
TUBE 5:	30	good, water somewhat turbid, surface level, some loose flocculant material	Kastner	Ba phases
TUBE 6:	31	good, water somewhat turbid, slight surface relief, some loose flocculant material	Demaster/Kadko	biol. comp., long-lived radionuclides
TUBE 7:	32	good, water slightly turbid, surface slant=1cm, much loose brown flocculant material	Leinen	paleo
TUBE 8:	29	good, water somewhat turbid, surface relief=1/2 cm, few mucous balls on surface, piece of	Berelson	porewater/centrifuge

STATION 93

AREA: 2 N

LATITUDE: 2.0550 LONGITUDE: 140.1433 DEPTH (m): 4411

NUMBER TUBES WITH SEDIMENT: 8

	LENGTH (cm)	QUALITY	DISTRIBUTION	SAMPLE USE
TUBE 1:	18	excellent, water very clear, core somewhat short, much green phytodetritus on surface	Dobbs	microbiology
TUBE 2:	29	very good, water clear, surface leve, much green phytodetritus on surface (= 4 mm)	Hedges	organic chemistry
TUBE 3:	33	excellent, water very clear, surface level, 4-5 mm green phytodetritus	Demaster/Kadko	biol. comp. short-lived radionuclides
TUBE 4:	35	excellent, water very clear, surface level, much phytodetritus	Demaster/Kadko	biol. comp., short-lived radionuclides
TUBE 5:	33	excellent, water very clear, surface level, much greenish phytodetritus, xenophyophore (?) on	Hedges	organic chemistry
TUBE 6:	31	excellent, water very clear, surface level, much greenish phytodetritus (=4 mm)	Leinen	paleo
TUBE 7:	35	excellent, water very clearn, much phytodetritus	Demaster/Kadko	biol. comp., short-lived radionuclides, gamma emitters
TUBE 8:	33	excellent, water very clear, surface relief = 7 mm, much greenish phytodetritus, small sponge (?)	Smith	phaeopigments

STATION 97

AREA: 2 N

LATITUDE: 2.0500 LONGITUDE: 140.1433 DEPTH (m): 4413

NUMBER TUBES WITH SEDIMENT: 5

	LENGTH (cm)	QUALITY	DISTRIBUTION	SAMPLE USE
TUBE 1:	0	empty		
TUBE 2:	0	empty		
TUBE 3:	0	empty		
TUBE 4:	33	very good, water clear, surface relief = 1/2 cm, much greenish phytodetritus	Anderson	porewater/Re,Mo,U
TUBE 5:	31	excellent, water very clear, surface slant = 1 cm, much phytodetritus	Dobbs/Demaster	microbiology/biol. comp.
TUBE 6:	31	excellent, water very clear, surface level, much phytodtritus	Smith	phaeopigments
TUBE 7:	30	very good, water clear, surface relief=1cm, some phytodetritus	Leinen	paleo
TUBE 8:	31	excellent, water very clear, suface leve, much phytodetritus	Demaster/Kadko	biol. comp., long lived radionuclides

STATION 98

AREA: 2 N

LATITUDE: 2.0583 LONGITUDE: 130.1433 DEPTH (m): 4413

NUMBER TUBES WITH SEDIMENT: 7

	LENGTH (cm)	QUALITY	DISTRIBUTION	SAMPLE USE
TUBE 1:	31	very good, water clear, surface slant=1 cm, much phytodetritus	Smith	phaeopigments
TUBE 2:	32	very good, water clear, surface relief=1/2 cm, much brownish green phytodetritus	Demaster	biol. comp., short-lived radionuclides
TUBE 3:	31	very good, water clear, surface leve, large xenophyophore on surface, some phytodetritus	Smith	meiofauna
TUBE 4:	32	very good, water clear, surface relief = 1.5 cm, some phytodetritus (greenish brown)	Hedges	organic chemistry
TUBE 5:	31	excellent, water very clear, 3 cm depression in surface with small xenophyophore, some	Dobbs/Smith	microbiology/macrofauna
TUBE 6:	29	excellent, water very clear, surface level, surface relief = 05. cm, some phytodetritus on surface	Demaster	biol. comp., short-lived radionuclides
TUBE 7:	33	very good, water clear, surface leve, much phytodetritus on surface	Kadko	biol. comp., long-lived radionuclides
TUBE 8:	0	empty		

STATION 104

AREA: 5 N

LATITUDE: 5.0783 LONGITUDE: 139.6367 DEPTH (m): 4416

NUMBER TUBES WITH SEDIMENT: 8

	LENGTH (cm)	QUALITY	DISTRIBUTION	SAMPLE USE
TUBE 1:	34	good, water slightly turbid, surface level, some loose flocculant material	Smith	phaeopigments
TUBE 2:	34	good, water slightly turbid, surface leve, a few mucous balls on surface	Berelson	porewater, whole core squeezer
TUBE 3:	33	good, water slightly turbid, surface relief = 2 cm, some mucous balls on surface	Demaster/Kadko	biol. comp./ long lived radioisotopes
TUBE 4:	29	good, water slightly turbid, surface level, a few mucous balls on surface	Berelson	porewater/centrifuge
TUBE 5:	30	very good, water clear, surface has a mound covering 2/3 of surface, mucous balls on surface	Kastner	Ba phases
TUBE 6:	30	good to very good, water slightly turbid to clear, surface level, xenophyophore on surface, brown	Hedges	organic chemistry
TUBE 7:	31	good, water slightly turbid, surface relief = 1.5 cm, large xenophyophore on surface, loose brown	Leinen	paleo
TUBE 8:	15	good, water somewhat turbid, surface level	Dobbs/McManus	microbiology/silicate experiments

MULTICORES

STATION 108
AREA: 5 N
LATITUDE: 5.0702 LONGITUDE: 139.6363 DEPTH (m): 4422
NUMBER TUBES WITH SEDIMENT: 4

	LENGTH (cm)	QUALITY	DISTRIBUTION	SAMPLE USE
TUBE 1:	30	excellent, water very clear, surface level, loose brown material on surface	Berelson	porewater/centrifuge
TUBE 2:	28	very good, water clear, surface level, 2 small burrow holes in surface, loose mucous balls on	Berelson	porewater/whole core squeezer
TUBE 3:	29	excellent, water very clear, surface level, clump o greenish material on surface	Smith	phaeopigments
TUBE 4:	32	excellent, water very clear, surface level, much paleo greenish to brown phytodetritus along	Demaster	biol. comp./long lived radioisotopes
TUBE 5:	0	empty		
TUBE 6:	0	empty		
TUBE 7:	0	empty		
TUBE 8:	0	empty		

STATION 112
AREA: 5 N
LATITUDE: 5.0783 LONGITUDE: 139.6383 DEPTH (m): 4418
NUMBER TUBES WITH SEDIMENT: 8

	LENGTH (cm)	QUALITY	DISTRIBUTION	SAMPLE USE
TUBE 1:	32	excellent, water very clear, surface leve, a few mucous balls on surface	Demaster	short lived radioisotopes
TUBE 2:	33	very good, water clear, surface relief = 1 cm, some phytodetritus/mucous balls on surface	Smith	phaeopigments
TUBE 3:	30	good to very good, water clear to slightly turbid, surface relief = 1 cm, some mucous balls on	Demaster	biol. comp./short lived radioisotopes
TUBE 4:	32	good to very good, water clear to slightly turbid, surface level, much brownish phytodetritus on	Hedges	organic chemistry
TUBE 5:	30	good to very good, water somewhat turbid, surface relief = 1/2 cm	Dobbs	microbiology
TUBE 6:	31	very good, water clear, surface releif = 1/2 cm, some loose flocculant material on surface	Anderson	trace metal profiles (Re, Mo, U), pore waters
TUBE 7:	32	good to very good, water clear to slightly turbid, surface level, some loose flocculant material on	Hedges	organic chemistry
TUBE 8:	31	very good, water clear, surface relief = 1 cm, smal burrow holes in surface,	Leinen	paleo

MULTICORES

STATION 113
AREA: 4 N
LATITUDE: 4.0413 LONGITUDE: 139.8508 DEPTH (m): 4431
NUMBER TUBES WITH SEDIMENT: 8

	LENGTH (cm)	QUALITY	DISTRIBUTION	SAMPLE USE
TUBE 1:	15	fair, water turbid, surface elvel, a few mucous balls on surface	Smith	meiofauna
TUBE 2:	29	good to very good, water clear to slightly turbid, surface level, a few mucous balls	Berelson	porewater/whole core squeezer
TUBE 3:	29	excellent, water very clear, surface relief = 2 cm, some mucous balls	Leinen	paleo
TUBE 4:	30	very good, water clear, surface relief complex but low = 1 cm	Leinen	paleo
TUBE 5:	31	very good, water clear, surface slant = 1 cm, some brown loose flocculant material	Leinen	paleo
TUBE 6:	31	good to very good, water clear to slightly turbid, surface slant = 1.5 cm, some loose flocculant	Demaster	biol. comp./long lived radioisotopes
TUBE 7:	34	good to very good, water clear to slightly turbid, surface level, some loose flocculant material on	Berelson	porewater/centrifuge
TUBE 8:	34	fair, water turbid, surface level, 10 cm gap in core	Smith	macrofauna

STATION 117
AREA: 5 N
LATITUDE: 5.0717 LONGITUDE: 139.6383 DEPTH (m): 4333
NUMBER TUBES WITH SEDIMENT: 2

	LENGTH (cm)	QUALITY	DISTRIBUTION	SAMPLE USE
TUBE 1:	0	empty		
TUBE 2:	14	poor, sediment disturbed, tube drained along side		
TUBE 3:	0	empty		
TUBE 4:	9	poor, water turbid, surface uneven and slumped to side		
TUBE 5:	0	empty		
TUBE 6:	14	poor, water drained along side, surface even		
TUBE 7:	15	fair, water turbid, surface slant = 1/2 cm	Smith	meiofauna
TUBE 8:	14	fair, water turbid, surface level, a few mucous balls on surface	Demaster	gamma emitters

STATION 122
AREA: 5 N
LATITUDE: 5.0833 LONGITUDE: 139.6400 DEPTH (m): 4349
NUMBER TUBES WITH SEDIMENT: 7

	LENGTH (cm)	QUALITY	DISTRIBUTION	SAMPLE USE
TUBE 1:	33	good, water somewhat turbid, surface level, a few mucous balls on surface	Hedges	organic chemistry
TUBE 2:	28	fair, water somewhat surface, surface level, no flocs	Kadko	biol. comp./short lived radioisotopes
TUBE 3:	31	good, water somewhat turbid, surface level, resedimentation of 6 mm on one side?	Leinen	paleo
TUBE 4:	31	fair, water turbid, surface relief = 1 cm, a few mucous balls on surface	Smith	phaeopigments
TUBE 5:	30	good, water somewhat turbid, surface level, a few mucous balls on surface	Hedges	organic chemistry
TUBE 6:	25	good, water somewhat turbid, surface level, large burrow holes in surface	Kadko	biol. comp./short lived radioisotopes
TUBE 7:	32	good, water somewhat turbid, surface slants slightly, large vertical burrow	Dobbs	microbiology
TUBE 8:	0	empty		

STATION 124
AREA: 5 N
LATITUDE: 5.0787 LONGITUDE: 139.6362 DEPTH (m): 4347
NUMBER TUBES WITH SEDIMENT: 0

	LENGTH (cm)	QUALITY	DISTRIBUTION	SAMPLE USE
TUBE 1:	0	empty		
TUBE 2:	0	empty		
TUBE 3:	0	empty		
TUBE 4:	0	empty		
TUBE 5:	0	empty		
TUBE 6:	0	empty		
TUBE 7:	0	empty		
TUBE 8:	0	empty		

MULTICORES

STATION 125
AREA: 5 N
LATITUDE: 5.0817 LONGITUDE: 139.6317 DEPTH (m): 4340
NUMBER TUBES WITH SEDIMENT: 0

	LENGTH (cm)	QUALITY	DISTRIBUTION	SAMPLE USE
TUBE 1:	0	empty		
TUBE 2:	0	empty		
TUBE 3:	0	empty		
TUBE 4:	0	empty		
TUBE 5:	0	empty		
TUBE 6:	0	empty		
TUBE 7:	0	empty		
TUBE 8:	0	empty		

STATION 126
AREA: 5 N
LATITUDE: 5.0815 LONGITUDE: 139.6315 DEPTH (m): 4342
NUMBER TUBES WITH SEDIMENT: 0

	LENGTH (cm)	QUALITY	DISTRIBUTION	SAMPLE USE
TUBE 1:	0	empty		
TUBE 2:	0	empty		
TUBE 3:	0	empty		
TUBE 4:	0	empty		
TUBE 5:	0	empty		
TUBE 6:	0	empty		
TUBE 7:	0	empty		
TUBE 8:	0	empty		

MULTICORES

STATION 127
AREA: 5 N
LATITUDE: 5.0800 LONGITUDE: 139.6137 DEPTH (m): 4342
NUMBER TUBES WITH SEDIMENT: 8

	LENGTH (cm)	QUALITY	DISTRIBUTION	SAMPLE USE
TUBE 1:	27	very good, water clear, surface level, much green phytodetritus along sides	Smith	phaeopigments
TUBE 2:	31	very good, water clear, surface level, much pale green phytodetritus on surface	Demaster	biol. comp./short-lived radioisotopes/gamma emitters
TUBE 3:	32	excellent, water very clear, surface releif = 1 cm, some phytodetritus	Hedges	organic chemistry
TUBE 4:	31	excellent, water very clear, surface releive = 1.5 cm, some phytodetritus	Demaster	biol. comp./short lived radioisotopes/gamma emitters
TUBE 5:	29	excellent, water clear, surface slant = 2 cm, phytodetritus on surface	Dobbs/Anderson	microbiology/Th, Pa, Be ratios
TUBE 6:	32	excellent, water very clear, surface slant = 2 cm, much phytodetritus on surface, branching foram	Smith	phaeopigments
TUBE 7:	33	excellent, water very clear, surface elvel, much pale greenish phytodetritus along sides	Hedges	organic chemistry
TUBE 8:	34	very good, water clear, surface level, greenish brown phytodetritus on surface	Anderson	Th/Pa/Be ratios

STATION 132
AREA: 9 N
LATITUDE: 8.9247 LONGITUDE: 139.8598 DEPTH (m): 4992
NUMBER TUBES WITH SEDIMENT: 6

	LENGTH (cm)	QUALITY	DISTRIBUTION	SAMPLE USE
TUBE 1:	0	empty		
TUBE 2:	19	good, water somewhat turbid, surface relief = 1 cm	Dobbs	microbiology
TUBE 3:	26	very good, water clear, surface level, 3x1cm nodule, loose brown flocculant material on	Hedges	organic chemistry
TUBE 4:	27	very good, water clear, surface level	Berelson	porewater/whole core squeezer
TUBE 5:	28	good, water slightly turbid, surface relief = 1 cm	Smith	phaeopigments
TUBE 6:	28	good, water slightly turbid, surface level,	Berelson	porewater/centrifuge
TUBE 7:	28	good, water slightly turbid, surface slant = 1 cm; nodule entrained downcore appears to have	Demaster/Kadko	biol. comp./ long lived radioisotopes
TUBE 8:	0	empty		

MULTICORES

STATION 135
AREA: 9 N
LATITUDE: 8.9250 LONGITUDE: 139.8650 DEPTH (m): 4994
NUMBER TUBES WITH SEDIMENT: 5

	LENGTH (cm)	QUALITY	DISTRIBUTION	SAMPLE USE
TUBE 1:	0			
TUBE 2:	30	fair, water turbid, surface level, some resedimentation possible	Berelson	porewater/whole core squeezer
TUBE 3:	25	good, water somewhat turbid, surface uneven with 3 cm depression on one side, nodule (?) at 7	Leinen	paleo
TUBE 4:	28	good, water somewhat turbid, large hole (8cm) along one side, xenophyophore on surface	Smith	macrofauna
TUBE 5:	26	fair, water somewhat turbid, large cavity on one side 3 cm down in core	Demaster	archive
TUBE 6:	30	good, water somwhat turbid, surface level, a few loose clumps of flocculant material	Berelson	porewater/centrifuge
TUBE 7:	0	empty		
TUBE 8:	0	empty		

STATION 139
AREA: 9 N
LATITUDE: 8.9212 LONGITUDE: 139.8540 DEPTH (m): 4995
NUMBER TUBES WITH SEDIMENT: 1

	LENGTH (cm)	QUALITY	DISTRIBUTION	SAMPLE USE
TUBE 1:	0	empty		
TUBE 2:	0	empty		
TUBE 3:	0	empty		
TUBE 4:	28	fair, water turbid, surface relief = 1/2 cm, gap in sediment 21 cm downcore	Dobbs	microbiology
TUBE 5:	0			
TUBE 6:	0			
TUBE 7:	0			
TUBE 8:	3	very disturbed	discarded	

STATION 143

AREA: 9 N

LATITUDE: 8.9250 LONGITUDE: 139.8697 DEPTH (m): 4993

NUMBER TUBES WITH SEDIMENT: 8

	LENGTH (cm)	QUALITY	DISTRIBUTION	SAMPLE USE
TUBE 1:	35	excellent, water very clear, surface level, slump o agglutinated forams on surface	Smith	phaeopigments
TUBE 2:	37	very good, water clear, surface relief = 1/2 cm, some clumps of loose borwn material	Hedges	organic chemistry
TUBE 3:	34	very good, water clear, surface level, some clumps of brown material on surface	Smith	phaeopigments
TUBE 4:	37	very good, water clear, surface level, some loose brown flocculant material	Anderson	Re, Mo, U
TUBE 5:	35	very good, water clear, surface level, large holothurian coprolite on surface, some loose	Demaster	biol. comp./long lived radioisotopes
TUBE 6:	36	very good, water clear, surface level, 2 small nodules on surface, some clumps of brown	Hedges	organic chemistry
TUBE 7:	33	very good, water clear, surface level, smooth, some loose brown material on surface	Kadko	biol. comp./long lived radioisotopes
TUBE 8:	36	very good, water clear, surface level, some loose brown material on surface	Kastner	Ba phases

STATION 147

AREA: 9 N

LATITUDE: 8.9273 LONGITUDE: 139.8657 DEPTH (m): 4992

NUMBER TUBES WITH SEDIMENT: 1

	LENGTH (cm)	QUALITY	DISTRIBUTION	SAMPLE USE
TUBE 1:	0	empty		
TUBE 2:	0	empty		
TUBE 3:	0	empty		
TUBE 4:	12	fair, water clear to slightly turbid, surface level, possible redeposition, a few brown clumps on	Smith	macrofauna
TUBE 5:	0	empty		
TUBE 6:	0	empty		
TUBE 7:	0	empty		
TUBE 8:	0	empty		

STATION 148

AREA: 9 N

LATITUDE: 8.9267 LONGITUDE: 139.8717 DEPTH (m): 4991

NUMBER TUBES WITH SEDIMENT: 7

	LENGTH (cm)	QUALITY	DISTRIBUTION	SAMPLE USE
TUBE 1:	28	very good, water clear, suface relief = 2 cm, small Mn nodule	Demaster/Kadko	
TUBE 2:	34	very good, water clear, surfac slant = 1 cm	Hedges	organic chemistry
TUBE 3:	26	very good, water clear, forams on surface, some vertical burrows	Dobbs	microbiology
TUBE 4:	34	good to very good, water clear to slightly turbid, surface leve, clump of agglutinated forams (?) on	Demaster	biol. comp./short lived radioisotopes
TUBE 5:	33	good to very good, water clear to slightly turbid, surface slant = 1 cm	Smith	phaeopigments
TUBE 6:	33	very good, water clear, surface level, a few small clumps on surface	Demaster	biol. comp./short lived radioisotopes
TUBE 7:	31	very good, water clear, surface level, some loose brown material on surface	Leinen	paleo
TUBE 8:	0	empty		

STATION 149

AREA: 9 N

LATITUDE: 8.9283 LONGITUDE: 139.8633 DEPTH (m): 4993

NUMBER TUBES WITH SEDIMENT: 8

	LENGTH (cm)	QUALITY	DISTRIBUTION	SAMPLE USE
TUBE 1:	25	good, water slightly turbid, surface slant = 1/2 cm some small clumps on surface	Hedges	organic chemistry
TUBE 2:	37	good, water somewhat turbid, surface with slight relief, a few clumps on surface	Hedges	organic chemistry
TUBE 3:	38	good, water somewhat turbid, surface level, some small clumps of forams (?) on surface	Smith	phaeopigments
TUBE 4:	36	good, water somewhat turbid, surface slant = 1 cm, 2.5 cm Mn nodule on surface,	Kadko	biol. comp./short lived radioisotopes
TUBE 5:	34	good, water somewhat turbid, surface with cavity on one side, surface relief = 1.5 cm	Leinen	paleo
TUBE 6:	38	good, water somewhat turbid, surface slant = 1 cm, a few small clumps on surface	Kadko	biol. comp./short lived radioisotopes
TUBE 7:	37	good, water somewhat turbid, surface relief = 1 cm, some 5 mm clumps of forams(?) on surface	Smith	phaeopigments
TUBE 8:	38	good, water somewhat turbid, surface slant = 1 cm, a few small 3mm clumps on surface	Demaster	biol. comp./long lived radioisotopes

MULTICORES

STATION 153

AREA: 9 N

LATITUDE: 8.9258 LONGITUDE: 139.8643 DEPTH (m): 5000

NUMBER TUBES WITH SEDIMENT: 8

LENGTH (cm)		QUALITY	DISTRIBUTION	SAMPLE USE
TUBE 1:	30	good, water somewhat turbid, surface level, smooth - possible resuspension, no floc material	Hedges	organic chemistry
TUBE 2:	37	good, water somewhat turbid, surface level, smooth, possible resuspension	Demaster	biol. comp./short lived radioisotopes
TUBE 3:	35	good, water somewhat turbid, surface slant = 1 cm	Demaster	biol. comp./short lived radioisotopes
TUBE 4:	37	good, water somewhat turbid, surface level, smooth, one clump of brown material on surface	Hedges	organic chemistry
TUBE 5:	35	good, water somewhat turbid, surface releif = 2 cm, 1 cm clump of brown material on surface	Anderson	Th/Pa/Be ratios
TUBE 6:	33	good, water somewhat turbid, surface slant = 1.5 cm, two small clumps of brown material on	Smith	phaeopigments
TUBE 7:	33	good, water somewhat turbid, surface slant = 1 cm, surface smooth, possible resuspension	Demaster	biol. comp./short lived radioisotopes
TUBE 8:	36	good, water slightly turbid, surface slant = 1.5 cm	Dobbs/Hedges	microbiology/organic chemistry

NOTES ON SPADE CORE LOGS

The Spade Core (box core) sample log incuded in this section was compiled from several sources: the original sample distribution log kept by Susan Garner of the University of Hawaii group, and the notes of individual sample recipients. The lengths listed are the lengths of sediment sampled or curated, not necessary the total length of sediment cored by the Spade Corer.

Note: The abbreviation RIL stands for long-lived radionuclides.
The abbreviation RIS stands for short-lived radionuclides.

TT013 SPADE CORES

STATION: 20

AREA: 2 S

LATITUDE: -1.8665 LONGITUDE: 139.7178

SAMPLE TYPE	LENGTH (cm)	SAMPLE DISTRIBUTION	SAMPLE USE
10 x 20 slab	11	Smith	x-radiography
10 x 20 slab	13	Leinen	x-radiography
10 x 20 cm	16	Demaster	14C
10 x 10 cm	16	Demaster	14C
4 1/2" tube	18	Leinen	paleo, subcore 1
4 1/2" tube	17	Leinen	paleo, subcore 2
4 1/2" tube	18	Leinen	paleo, subcore 3
4" tube	18	Kastner/Payton	Ba phases
4" tube	0	Anderson/Colodne	Th, radionuclides
10 x 10 cm	16	Demaster	14C
10 x 10 cm	16	Demaster	biogenic components
10 x 10 cm	16	Demaster	long radionuclides
10 x 10 cm	15	Demaster	gamma emitters

Comments:

very pale brownish white sediment

TT013 SPADE CORES

STATION: 35

AREA: 5 S

LATITUDE: -4.9725 LONGITUDE: 139.7367

SAMPLE TYPE	LENGTH (cm)	SAMPLE DISTRIBUTION	SAMPLE USE
10 x 30 cm	15	Smith	x-radiography
10 x 30 cm	15	Leinen	x-radiography
10 x 20 cm	22	Demaster	14C
10 x 10 cm	10	Smith	macrofauna
3" tube	5	Hedges	organic chemistry
4 1/2" tube	23	Leinen	paleo, subcore 1
4 1/2" tube	25	Leinen	paleo, subcore 2
4" tube	22	Payton/Kastner	Ba-phases
4" tube	0	Anderson	pore waters
10 x 10 cm	22	Demaster	14C
10 x 10 cm	22	Demaster	biogenic components
10 x 10 cm	22	Demaster	long radioisotopes
10 x 10 cm	19	Demaster	gamma emitters

Comments:

water in some sections, not in main section

TT013 SPADE CORES

STATION: 50

AREA: Equator

LATITUDE: 0.1000 LONGITUDE: 139.7317

SAMPLE TYPE	LENGTH (cm)	SAMPLE DISTRIBUTION	SAMPLE USE
10 x 30 cm	13	Smith	x-radiography
10 x 10 cm	20	Hedges	organic chemistry
10 x 10 cm	10	Smith	meiofauna
10 x 20 cm	20	Demaster	14C
bulk	10	Smith	macrofauna
	0		
	0		
	0		
	0		
	0		
	0		
	0		
	0		

Comments:

CRS 205

TT013 SPADE CORES

STATION: 55

AREA: Equator

LATITUDE: 0.1158 LONGITUDE: 139.7340

SAMPLE TYPE	LENGTH (cm)	SAMPLE DISTRIBUTION	SAMPLE USE
10 x 20 cm	24	Demaster	14 C
10 x 10 cm	24	Demaster	14C
10 x 30 cm slal	19	Smith	x-radiography
10 x 10 cm	5	Hedges	organic chemistry
bulk	10	Smith	macrofauna
	0		
	0		
	0		
	0		
	0		
	0		
	0		
	0		

Comments:

CRS-207

TT013 SPADE CORES

STATION: 59

AREA: Equator

LATITUDE: 0.1103 LONGITUDE: 139.7327

SAMPLE TYPE	LENGTH (cm)	SAMPLE DISTRIBUTION	SAMPLE USE
10 x 20 cm	14	Demaster/Kadko	biol. comp.; RIL
10 x 30 cm	14	Leinen	X-radiography
10 x 10 cm	10	Smith	meiofauna
4" tube	14	Kastner	Ba-phases
bulk	10	Smith	macrofauna
	0		
	0		
	0		
	0		
	0		
	0		
	0		
	0		

Comments:

CRS 209

TT013 SPADE CORES

STATION: 65

AREA: Equator

LATITUDE: 0.1067 LONGITUDE: 139.7350

SAMPLE TYPE	LENGTH (cm)	SAMPLE DISTRIBUTION	SAMPLE USE
10 x 10 cm	0	Demaster/Kadko	biol. comp.; RIL
10 x 10 cm	0	Hedges	organic chemistry
10 x 30 cm	0	Smith	x-radiography
10 x 10 cm	10	Smith	meiofauna
bulk	0	Smith	macrofauna
	0		
	0		
	0		
	0		
	0		
	0		
	0		
	0		

Comments:

CRS 211

TT013 SPADE CORES

STATION: 70

AREA: Equator

LATITUDE: 0.1144 LONGITUDE: 139.7228

SAMPLE TYPE	LENGTH (cm)	SAMPLE DISTRIBUTION	SAMPLE USE
10 x 30 cm	13	Smith	x-radiography
10 x 20 cm	14	Demaster/Kadko	biol. comp., RIS
10 x 10 cm	14	Demaster/Kadko	biol. comp.
10 x 10 cm	14	Smith	meiofauna
bulk	10	Smith	macrofauna
	0		
	0		
	0		
	0		
	0		
	0		
	0		
	0		

Comments:

excellent interface, burrows in upper 2 cm, horizontal burrows concentrated around 2 cm

TT013 SPADE CORES

STATION: 76

AREA: 2 N

LATITUDE: 2.0657 LONGITUDE: 140.1490

SAMPLE TYPE	LENGTH (cm)	SAMPLE DISTRIBUTION	SAMPLE USE
10 x 30 cm	17	Smith	x-radiography
10 x 20 cm	21	Demaster/Kadko	biol.comp., RIS
10 x 10 cm	5	Hedges	organic chemistry
10 x 10 cm	10	Smith	meiofauna
bulk	10	Smith	macrofauna
	0		
	0		
	0		
	0		
	0		
	0		
	0		
	0		

Comments:

very good interface, numberous horizontal burrows at 1.5-2.0 cm, green patches in upper 2-3 cm (phytodetritus?), white burrow infills at 14-15 cm; possible arborescent foram on surface

TT013 SPADE CORES

STATION: 80

AREA: 2 N

LATITUDE: 2.0667 LONGITUDE: 140.1317

SAMPLE TYPE	LENGTH (cm)	SAMPLE DISTRIBUTION	SAMPLE USE
10 x 30 cm	11	Smith	x-radiography
10 x 20 cm	16	Demaster/Kadko	14 C
10 x 10 cm	16	Demaster/Kadko	14 C
10 x 10 cm	10	Smith	meiofauna
bulk	10	Smith	macrofauna
	0		
	0		
	0		
	0		
	0		
	0		
	0		
	0		

Comments:

some phytodetritus on surface, interface has several 1-2 mm burrow openings, several large foraminifers

TT013 SPADE CORES

STATION: 86

AREA: 2 N

LATITUDE: 2.0660 LONGITUDE: 140.1343

SAMPLE TYPE	LENGTH (cm)	SAMPLE DISTRIBUTION	SAMPLE USE
10 x 30 cm	14	Smith	x-radiography
10 x 10 cm	15	Demaster/Kadko	long lived nuclides
10 x 10	10	Smith	meiofauna
bulk	10	Smith	macrofauna
10 x 10 cm	5	Hedges	organic chemistry
	0		
	0		
	0		
	0		
	0		
	0		
	0		
	0		

Comments:

fair interface, few burrows

TT013 SPADE CORES

STATION: 91

AREA: 2 N

LATITUDE: 2.0633 LONGITUDE: 140.1317

SAMPLE TYPE	LENGTH (cm)	SAMPLE DISTRIBUTION	SAMPLE USE
10 x 30 cm	13	Leinen	x-radiography
10 x 20 cm	19	Demaster/Kadko	biol. comp., RIS
10 x 10 cm	19	Demaster/Kadko	biol. comp.
10 x 10 cm	10	Smith	meiofauna
bulk	10	Smith	macrofauna
	0		
	0		
	0		
	0		
	0		
	0		
	0		
	0		

Comments:

good interace, many vertical burrows in upper 2 cm; hortizontal burrows concentrated in upper 2-3 cm, phytodetritus covers about 50% of intervals, mixed into upper cm, but not in burrows

TT013 SPADE CORES

STATION: 95

AREA: 2 N

LATITUDE: 2.0518 LONGITUDE: 140.1445

SAMPLE TYPE	LENGTH (cm)	SAMPLE DISTRIBUTION	SAMPLE USE
10 x 30 cm	11	Smith	x-radiography
10 x 20 cm	19	Demaster/Kadko	gamma emitters
10 x 10 cm	5	Hedges	organic chemistry
bulk	10	Smith	macrofauna
	0		
	0		
	0		
	0		
	0		
	0		
	0		
	0		
	0		

Comments:

sloppy interface; vertical tubes about 1-2 mm in diam extend down to 5 cm, possible feeding void at 3 cm depth

TT013 SPADE CORES

STATION: 103

AREA: 5 N

LATITUDE: 5.0667 LONGITUDE: 139.6483

SAMPLE TYPE	LENGTH (cm)	SAMPLE DISTRIBUTION	SAMPLE USE
10 x 30 cm	13	Smith	x-radiography
10 x 20 cm	19	Demaster/Kadko	biol. comp./RIS
10 x 10 cm	5	Hedges	organic chemistry
10 x 10 cm	10	Smith	meiofauna
bulk	10	Smith	macrofauna
	0		
	0		
	0		
	0		
	0		
	0		
	0		
	0		

Comments:

TT013 SPADE CORES

STATION: 107

AREA: 5 N

LATITUDE: 5.0833 LONGITUDE: 139.6500

SAMPLE TYPE	LENGTH (cm)	SAMPLE DISTRIBUTION	SAMPLE USE
10 x 30 cm	13	Smith	x-radiography
10 x 20 cm	19	Demaster/Kadko	14C
10 x 10 cm	19	Demaster/Kadko	14 C
10 x 10 cm	10	Smith	meiofauna
bulk	10	Smith	macrofauna
	0		
	0		
	0		
	0		
	0		
	0		
	0		
	0		

Comments:

TT013 SPADE CORES

STATION: 111

AREA: 5 N

LATITUDE: 5.0737 LONGITUDE: 139.6483

SAMPLE TYPE	LENGTH (cm)	SAMPLE DISTRIBUTION	SAMPLE USE
10 x 30 cm	15	Leinen	x-radiography
10 x 20 cm	18	Demaster/Kadko	biol. comp./RIS
10 x 10 cm	5	Hedges	organic chemistry
10 x 10 cm	10	Smith	meiofauna
bulk	10	Smith	macrofauna
	0		
	0		
	0		
	0		
	0		
	0		
	0		
	0		

Comments:

TT013 SPADE CORES

STATION: 116

AREA: 5 N

LATITUDE: 5.0800 LONGITUDE: 139.6417

SAMPLE TYPE	LENGTH (cm)	SAMPLE DISTRIBUTION	SAMPLE USE
10 x 30 cm	14	Smith	x-radiography
10 x 20 cm	18	Demaster/Kadko	biol. comp./RIS
10 x 10 cm	5	Hedges	organic chemistry
10 x 10 cm	10	Smith	meiofauna
bulk	10	Smith	macrofauna
	0		
	0		
	0		
	0		
	0		
	0		
	0		
	0		

Comments:

TT013 SPADE CORES

STATION: 121

AREA: 5 N

LATITUDE: 5.0700 LONGITUDE: 139.6467

SAMPLE TYPE	LENGTH (cm)	SAMPLE DISTRIBUTION	SAMPLE USE
10 x 30 cm	13	Smith	x-radiography
10 x 20 cm	17	Demaster/Kadko	biol. comp./RIL
10 x 10 cm	17	Demaster/Kadko	biol. comp./RIL
10 x 10 cm	10	Smith	meiofauna
bulk	10	Smith	macrofauna
	0		
	0		
	0		
	0		
	0		
	0		
	0		
	0		

Comments:

TT013 SPADE CORES

STATION: 131

AREA: 9 N

LATITUDE: 8.9300 LONGITUDE: 139.8700

SAMPLE TYPE	LENGTH (cm)	SAMPLE DISTRIBUTION	SAMPLE USE
10 x 30 cm	18	Smith	x-radiography
10 x 20 cm	26	Demaster/Kadko	14 C
10 x 10 cm	5	Hedges	organic chemistry
10 x 10 cm	10	Smith	meiofauna
bulk	10	Smith	macrofauna
	0		
	0		
	0		
	0		
	0		
	0		
	0		
	0		

Comments:

TT013 SPADE CORES

STATION: 134

AREA: 9 N

LATITUDE: 8.9340 LONGITUDE: 139.8592

SAMPLE TYPE	LENGTH (cm)	SAMPLE DISTRIBUTION	SAMPLE USE
10 x 30 cm	30	Smith	x-radiography
10 x 20 cm	31	Demaster/Kadko	biol. comp./RIS
10 x 10 cm	10	Smith	meiofauna
bulk	10	Smith	macrofauna
	0		
	0		
	0		
	0		
	0		
	0		
	0		
	0		
	0		

Comments:

very soupy interface

TT013 SPADE CORES

STATION: 137

AREA: 9 N

LATITUDE: 5.9217 LONGITUDE: 139.8667

SAMPLE TYPE	LENGTH (cm)	SAMPLE DISTRIBUTION	SAMPLE USE
	0	not useable	
	0		
	0		
	0		
	0		
	0		
	0		
	0		
	0		
	0		
	0		
	0		
	0		

Comments:

not useable, top sediment missing

TT013 SPADE CORES

STATION: 144

AREA: 9 N

LATITUDE: 8.9300 LONGITUDE: 139.8716

SAMPLE TYPE	LENGTH (cm)	SAMPLE DISTRIBUTION	SAMPLE USE
10 x 30 cm	21	Leinen	x-radiography
10 x 20 cm	21	Demaster/Kadko	biol. comp./RIS
10 x 10 cm	5	Hedges	organic chemistry
10 x 10 cm	10	Smith	meiofauna
bulk	10	Smith	macrofauna
	0		
	0		
	0		
	0		
	0		
	0		
	0		
	0		

Comments:

extremely clear topwater

TT013 SPADE CORES

STATION: 152

AREA: 9 N

LATITUDE: 8.9187 LONGITUDE: 139.8617

SAMPLE TYPE	LENGTH (cm)	SAMPLE DISTRIBUTION	SAMPLE USE
bulk	10	Smith	macrofauna
	0		
	0		
	0		
	0		
	0		
	0		
	0		
	0		
	0		
	0		
	0		
	0		

Comments:

core missing top sediment except along one side

TT013 SPADE CORES

STATION: 154

AREA: 9 N

LATITUDE: 8.9242 LONGITUDE: 139.9727

SAMPLE TYPE	LENGTH (cm)	SAMPLE DISTRIBUTION	SAMPLE USE
bulk	10	Smith	macrofauna
	0		
	0		
	0		
	0		
	0		
	0		
	0		
	0		
	0		
	0		
	0		
	0		

Comments:

TT013 SPADE CORES

STATION: 6

AREA: 12 S

LATITUDE: -11.9985 LONGITUDE: 134.9543

SAMPLE TYPE	LENGTH (cm)	SAMPLE DISTRIBUTION	SAMPLE USE
4 1/2" tube	30	Leinen	paleo, subcore 1
4 1/2" tube	29	Leinen	paleo, subcore 2
10 x 20 cm	25	Demaster	14 C
10 x 10 cm	25	Demaster	14 C
10 x 10 cm	25	Demaster	biogenic components
10 x 10 cm	25	Demaster	long radionuclides
4" tube	25	Payton/Kastner	Ba phases
10 x 10 cm	1	Hedges	organic chemistry
10 x 10 cm	25	Hedges	organic chemistry
10 x 10 cm	1	Hedges	organic chemistry
bulk	10	Smith	macrofauna
	0		
	0		

Comments:

TT013 PISTON CORE

STATION: 3
AREA: 12 S
LATITUDE: -11.9970 LONGITUDE: 134.9552 DEPTH (m): 4272

Trigger Core Length (cm): 198 No. Sections: 2

Sec 1 (cm):	150	Cum. (cm):	150
Sec 2 (cm):	48	Cum. (cm):	198

Comments:

Piston Core Length (cm): 963 No. Sections: 7

Sec 1 (cm):	150	Cum. (cm):	150
Sec 2 (cm):	150	Cum. (cm):	300
Sec 3 (cm):	150	Cum. (cm):	450
Sec 4 (cm):	143	Cum. (cm):	593
Sec 5 (cm):	150	Cum. (cm):	743
Sec 6 (cm):	150	Cum. (cm):	893
Sec 7 (cm):	70	Cum. (cm):	963
Sec 8 (cm):	0	Cum. (cm):	0
Sec 9 (cm):	0	Cum. (cm):	0
Sec 10 (cm):	0	Cum. (cm):	0
Sec 11 (cm):	0	Cum. (cm):	0

Area Description:

Area is a bench about 0.4 nm in E-W dimension; trending N/S. 3.5 KHz shows a transparent layers about 10-12 m thick, underlain by a layered interval at least 80 m thick

Sediment Notes:

Core catcher sample is dark chocolate brown with very fine texture; top of core is lighter brown.

TT013 PISTON CORE

STATION: 18
AREA: 2 S
LATITUDE: -1.8395 LONGITUDE: 139.7137 DEPTH (m): 4354

Trigger Core Length (cm): 244 No. Sections: 2

Sec 1 (cm):	150	Cum. (cm):	150
Sec 2 (cm):	94	Cum. (cm):	244

Comments:

Piston Core Length (cm): 1295 No. Sections: 9

Sec 1 (cm):	150	Cum. (cm):	150
Sec 2 (cm):	146	Cum. (cm):	296
Sec 3 (cm):	150	Cum. (cm):	446
Sec 4 (cm):	150	Cum. (cm):	596
Sec 5 (cm):	150	Cum. (cm):	746
Sec 6 (cm):	145	Cum. (cm):	891
Sec 7 (cm):	150	Cum. (cm):	1041
Sec 8 (cm):	150	Cum. (cm):	1191
Sec 9 (cm):	104	Cum. (cm):	1295
Sec 10 (cm):	0	Cum. (cm):	0
Sec 11 (cm):	0	Cum. (cm):	0

Area Description:

Area is a 12 km wide plain with flat-lying sediment. Sediments have several internal reflectors. 6 km to S is a group of seamounts reaching 3000 m depth.

Sediment Notes:

Sediment is nearly white at base of piston core, grading to very pale brownish white at top of core. Fine grained (nannos) predominate over coarser-grained (foram) sediment.

TT013 PISTON CORE

STATION: 26
AREA: 3 S
LATITUDE: -2.8883 **LONGITUDE:** 139.8367 **DEPTH (m):** 4512

Trigger Core Length (cm): 224 **No. Sections:** 2

Sec 1 (cm):	150	Cum. (cm):	150
Sec 2 (cm):	74	Cum. (cm):	224

Comments:

Piston Core Length (cm): 0 **No. Sections:** 9

Sec 1 (cm):	150	Cum. (cm):	150
Sec 2 (cm):	144	Cum. (cm):	294
Sec 3 (cm):	150	Cum. (cm):	444
Sec 4 (cm):	150	Cum. (cm):	594
Sec 5 (cm):	150	Cum. (cm):	744
Sec 6 (cm):	145	Cum. (cm):	889
Sec 7 (cm):	150	Cum. (cm):	1039
Sec 8 (cm):	150	Cum. (cm):	1189
Sec 9 (cm):	57	Cum. (cm):	1246
Sec 10 (cm):	0	Cum. (cm):	0
Sec 11 (cm):	0	Cum. (cm):	0

Area Description:

Area of roughly 6 km of flat-lying sediments with internal reflectors. Sediment thickness is greater than 90 m.

Sediment Notes:

Uppermost sediments are light grayish brown, fine-grained with abundant forams. Deeper sediments grade to medium brown. Sediment is abundantly burrowed.

TT013 PISTON CORE

STATION: 29
AREA: 4 S
LATITUDE: -4.2023 LONGITUDE: 139.7920 DEPTH (m): 4486

Trigger Core Length (cm): 135 No. Sections: 1

Sec 1 (cm):	135	Cum. (cm):	135
Sec 2 (cm):	0	Cum. (cm):	0

Comments:

Piston Core Length (cm): 1143 No. Sections: 8

Sec 1 (cm):	150	Cum. (cm):	150
Sec 2 (cm):	146	Cum. (cm):	296
Sec 3 (cm):	150	Cum. (cm):	446
Sec 4 (cm):	150	Cum. (cm):	596
Sec 5 (cm):	150	Cum. (cm):	746
Sec 6 (cm):	133	Cum. (cm):	879
Sec 7 (cm):	150	Cum. (cm):	1029
Sec 8 (cm):	114	Cum. (cm):	1143
Sec 9 (cm):	0	Cum. (cm):	0
Sec 10 (cm):	0	Cum. (cm):	0
Sec 11 (cm):	0	Cum. (cm):	0

Area Description:

Area is a bench about 1 nm in E-W direction, gently dipping to the south. To the west is a basin about 4 nm across bounded on the west by a seamount complex. To the east is another small bench about 50 m higher.

Sediment Notes:

Surface sediments are foram-rich ooze that is light brown. Sediments about 4 m depth are dark brown, core catcher sediments are medium brown and abundantly burrowed with light brown sediment.

TT013 PISTON CORE

STATION: 32
AREA: 5 S
LATITUDE: -4.9605 LONGITUDE: 139.7436 DEPTH (m): 4236

Trigger Core Length (cm): 244 No. Sections: 2

Sec 1 (cm):	150	Cum. (cm):	150
Sec 2 (cm):	94	Cum. (cm):	94

Comments:

Piston Core Length (cm): 1366 No. Sections: 10

Sec 1 (cm):	150	Cum. (cm):	150
Sec 2 (cm):	147	Cum. (cm):	297
Sec 3 (cm):	150	Cum. (cm):	497
Sec 4 (cm):	150	Cum. (cm):	597
Sec 5 (cm):	150	Cum. (cm):	747
Sec 6 (cm):	143	Cum. (cm):	890
Sec 7 (cm):	150	Cum. (cm):	1040
Sec 8 (cm):	150	Cum. (cm):	1190
Sec 9 (cm):	150	Cum. (cm):	1340
Sec 10 (cm):	26	Cum. (cm):	1366
Sec 11 (cm):	0	Cum. (cm):	0

Area Description:
Area is a small basin about 2 nm in E-W dimension between abyssal hill ridges with about 100 m of relief. N-S dimension of the basin is about 4 nm. Acoustic records show a thin transparent layer (about 5 m) over layered sediment.

Sediment Notes:

TT013 PISTON CORE

STATION: 52
AREA: Equator
LATITUDE: 0.0993 LONGITUDE: 139.7373 DEPTH (m): 4327

Trigger Core Length (cm): 334 No. Sections: 3

Sec 1 (cm):	150	Cum. (cm):	150
Sec 2 (cm):	150	Cum. (cm):	150

Comments:
Trigger core sediment extended beyond liner into weightstand. Excess sediment was forced into section of liner from the top. Sediment in this third section is extremely disturbed and the top of the sediment column may be missing.

Piston Core Length (cm): 1483 No. Sections: 11

Sec 1 (cm):	151	Cum. (cm):	15
Sec 2 (cm):	150	Cum. (cm):	301
Sec 3 (cm):	151	Cum. (cm):	452
Sec 4 (cm):	143	Cum. (cm):	595
Sec 5 (cm):	150	Cum. (cm):	745
Sec 6 (cm):	151	Cum. (cm):	896
Sec 7 (cm):	150	Cum. (cm):	2046
Sec 8 (cm):	102	Cum. (cm):	1148
Sec 9 (cm):	149	Cum. (cm):	1297
Sec 10 (cm):	126	Cum. (cm):	1423
Sec 11 (cm):	61	Cum. (cm):	1484

Area Description:
Area is a plain about 6 km x 5 km with a low abyssal hill to the west. 3.5kHz shows many internal reflectors.

Sediment Notes:

Break in core between Sec 8 and 9. Bottom 10 cm of Sec 9 disturbed, some sediment lost. Top of Sec 8 disturbed. Top 10 cm of Sec 11 disturbed. Top 5 cm of Sec 11 fell out of liner, collected in bag.

TT013 PISTON CORE

STATION: 61
AREA: 1 S
LATITUDE: -0.8640 LONGITUDE: 139.8307 DEPTH (m): 4276

Trigger Core Length (cm): 215 No. Sections: 2

Sec 1 (cm):	150	Cum. (cm):	150
Sec 2 (cm):	65	Cum. (cm):	65

Comments:

Piston Core Length (cm): 1559 No. Sections: 11

Sec 1 (cm):	143	Cum. (cm):	143
Sec 2 (cm):	150	Cum. (cm):	293
Sec 3 (cm):	150	Cum. (cm):	443
Sec 4 (cm):	150	Cum. (cm):	593
Sec 5 (cm):	150	Cum. (cm):	743
Sec 6 (cm):	150	Cum. (cm):	893
Sec 7 (cm):	150	Cum. (cm):	1043
Sec 8 (cm):	144	Cum. (cm):	1187
Sec 9 (cm):	150	Cum. (cm):	1337
Sec 10 (cm):	150	Cum. (cm):	1487
Sec 11 (cm):	72	Cum. (cm):	1559

Area Description:

Coring site is a flat laying region of about 2 km within surveyed area. Surveyed area is about 10 km across and has gentle region dip to east. Entire area has even sediment drape with many internal reflectors.

Sediment Notes:

Sediment at base is very pale grayish green (nearly white) with burrows filled with very pale gray sediment; Sections 7 and 8 contain pale olive burrows in white sediment; Sections 9 and above are very pale brown.

TT013 PISTON CORE

STATION: 72
AREA: Equator
LATITUDE: 0.1137 LONGITUDE: 139.4015 DEPTH (m): 4298

Trigger Core Length (cm): 300 No. Sections: 2

Sec 1 (cm):	150	Cum. (cm):	150
Sec 2 (cm):	150	Cum. (cm):	300

Comments:
Trigger corer full. Sediment extended about 3 cm above the top of the liner. Topmost sediment recovered in a plastic bag.

Piston Core Length (cm): 1603 No. Sections: 11

Sec 1 (cm):	150	Cum. (cm):	150
Sec 2 (cm):	150	Cum. (cm):	300
Sec 3 (cm):	150	Cum. (cm):	450
Sec 4 (cm):	150	Cum. (cm):	600
Sec 5 (cm):	150	Cum. (cm):	750
Sec 6 (cm):	150	Cum. (cm):	900
Sec 7 (cm):	150	Cum. (cm):	1050
Sec 8 (cm):	145	Cum. (cm):	1195
Sec 9 (cm):	150	Cum. (cm):	1345
Sec 10 (cm):	150	Cum. (cm):	1495
Sec 11 (cm):	108	Cum. (cm):	1603

Area Description:
A broad sedimented plain with a N/S trending abyssal hill to the west. Relief in coring site is about 40 m in 2 km. 3.5 KHz shows flat-lying sediments with many internal reflectors.

Sediment Notes:

Sediment in core catcher is very pale grayish green-almost white-with fine dark gray pyrite in burrows; sediment about half way up core turns to very pale brown fine grained nanno ooze with forams.

TT013 PISTON CORE

STATION: 83
AREA: 2 N
LATITUDE: 2.0670 LONGITUDE: 140.1467 DEPTH (m): 4414

Trigger Core Length (cm): 0 No. Sections: 0

Sec 1 (cm):	0	Cum. (cm):	0
Sec 2 (cm):	0	Cum. (cm):	0

Comments:
Core catcher failed. Lost all sediment from trigger core.

Piston Core Length (cm): 1484 No. Sections: 10

Sec 1 (cm):	150	Cum. (cm):	150
Sec 2 (cm):	150	Cum. (cm):	300
Sec 3 (cm):	150	Cum. (cm):	450
Sec 4 (cm):	144	Cum. (cm):	594
Sec 5 (cm):	151	Cum. (cm):	745
Sec 6 (cm):	150	Cum. (cm):	895
Sec 7 (cm):	150	Cum. (cm):	1045
Sec 8 (cm):	143	Cum. (cm):	1188
Sec 9 (cm):	150	Cum. (cm):	1338
Sec 10 (cm):	146	Cum. (cm):	1484
Sec 11 (cm):	0	Cum. (cm):	0

Area Description:
Area is a 4 km very shallow (<20 m) depression flanked by a 80 m low ridge to the east. 3.5 KHz records show thick sediment cover with many internal reflectors.

Sediment Notes:

Sediments are very paleo yellowish brown to yellowish brown foraminifer nannofossil oozes. The sediments are abundantly burrowed. The uppermost section was highly disturbed.

TT013 PISTON CORE

STATION: 89
AREA: 1 N
LATITUDE: 0.8140 LONGITUDE: 139.9192 DEPTH (m): 4412

Trigger Core Length (cm): 300 No. Sections: 2

Sec 1 (cm):	150	Cum. (cm):	150
Sec 2 (cm):	150	Cum. (cm):	300

Comments:

Piston Core Length (cm): 1480 No. Sections: 10

Sec 1 (cm):	150	Cum. (cm):	150
Sec 2 (cm):	150	Cum. (cm):	300
Sec 3 (cm):	150	Cum. (cm):	450
Sec 4 (cm):	142	Cum. (cm):	592
Sec 5 (cm):	150	Cum. (cm):	742
Sec 6 (cm):	150	Cum. (cm):	892
Sec 7 (cm):	150	Cum. (cm):	1042
Sec 8 (cm):	145	Cum. (cm):	1187
Sec 9 (cm):	150	Cum. (cm):	1337
Sec 10 (cm):	143	Cum. (cm):	1480
Sec 11 (cm):	0	Cum. (cm):	0

Area Description:

Area is a bench at ~4410m trending NE/SW, Bench is about 2 km wide. To the west is a sediment-covered ridge with about 80 m relief. To the east is a deeper bench at ~4450m. Seamounts with 200 m relief about 8 km to the north.

Sediment Notes:

Sediment in core catcher is very pale brown, almost white, nannofossil ooze with abundant foraminifers. Sediment at sections breaks upcore increases in non-biogenic content and becomes light brown.

TT013 PISTON CORE

STATION: 96
AREA: 2 N
LATITUDE: 2.0652 LONGITUDE: 140.1493 DEPTH (m): 4417

Trigger Core Length (cm): 168 No. Sections: 2

Sec 1 (cm):	150	Cum. (cm):	150
Sec 2 (cm):	18	Cum. (cm):	168

Comments:
Gravity core only to replace trigger core lost at Station 83. Sediment is pale brown.

Piston Core Length (cm): 0 No. Sections: 0

Sec 1 (cm):	0	Cum. (cm):	0
Sec 2 (cm):	0	Cum. (cm):	0
Sec 3 (cm):	0	Cum. (cm):	0
Sec 4 (cm):	0	Cum. (cm):	0
Sec 5 (cm):	0	Cum. (cm):	0
Sec 6 (cm):	0	Cum. (cm):	0
Sec 7 (cm):	0	Cum. (cm):	0
Sec 8 (cm):	0	Cum. (cm):	0
Sec 9 (cm):	0	Cum. (cm):	0
Sec 10 (cm):	0	Cum. (cm):	0
Sec 11 (cm):	0	Cum. (cm):	0

Area Description:

Sediment Notes:

TT013 PISTON CORE

STATION: 105
AREA: 5 N
LATITUDE: 5.0780 LONGITUDE: 139.6270 DEPTH (m): 4410

Trigger Core Length (cm): 224 No. Sections: 2

Sec 1 (cm):	150	Cum. (cm):	150
Sec 2 (cm):	74	Cum. (cm):	224

Comments:

Piston Core Length (cm): 790 No. Sections: 7

Sec 1 (cm):	150	Cum. (cm):	150
Sec 2 (cm):	149	Cum. (cm):	299
Sec 3 (cm):	150	Cum. (cm):	449
Sec 4 (cm):	101	Cum. (cm):	550
Sec 5 (cm):	150	Cum. (cm):	700
Sec 6 (cm):	54	Cum. (cm):	754
Sec 7 (cm):	36	Cum. (cm):	790
Sec 8 (cm):	0	Cum. (cm):	0
Sec 9 (cm):	0	Cum. (cm):	0
Sec 10 (cm):	0	Cum. (cm):	0
Sec 11 (cm):	0	Cum. (cm):	0

Area Description:

Area is a broad sediment-covered plain with less than 100 m of relief in twelve n miles. Immediate area has gentle slope of about 20 m in two n miles. 3.5 KHz record shows many internal reflectors.

Sediment Notes:

Sediment is very pale yellowish brown to pale yellowish brown nannofossil ooze with abundant foraminifera. Darker intervals show many burrows. Breaks in core between sections 3, 4, 5, 6, and 7.

TT013 PISTON CORE

STATION: 114
AREA: 4 N
LATITUDE: 4.0433 LONGITUDE: 139.8508 DEPTH (m): 4432

Trigger Core Length (cm): 288 No. Sections: 2

Sec 1 (cm):	150	Cum. (cm):	150
Sec 2 (cm):	138	Cum. (cm):	288

Comments:

Piston Core Length (cm): 1308 No. Sections: 9

Sec 1 (cm):	149	Cum. (cm):	149
Sec 2 (cm):	149	Cum. (cm):	298
Sec 3 (cm):	150	Cum. (cm):	448
Sec 4 (cm):	150	Cum. (cm):	598
Sec 5 (cm):	150	Cum. (cm):	748
Sec 6 (cm):	146	Cum. (cm):	894
Sec 7 (cm):	150	Cum. (cm):	1044
Sec 8 (cm):	150	Cum. (cm):	1194
Sec 9 (cm):	114	Cum. (cm):	1308
Sec 10 (cm):	0	Cum. (cm):	0
Sec 11 (cm):	0	Cum. (cm):	0

Area Description:

Area is very gently sloping sediment-covered abyssal hill topography. Area has about 20 m relief in 2 km. 3.5 KHz record shows many internal reflectors.

Sediment Notes:

Sediments are yellowish brown to very pale yellowish brown. Pale sediments are nannofossil ooze with foraminifera. Brown sediments are richer in foraminifer. Darker intervals have abundant burrows.

TT013 PISTON CORE

STATION: 133
AREA: 9 N
LATITUDE: 8.9512 LONGITUDE: 139.8708 DEPTH (m): 4990

Trigger Core Length (cm): 220 No. Sections: 2

Sec 1 (cm):	150	Cum. (cm):	150
Sec 2 (cm):	70	Cum. (cm):	70

Comments:

Piston Core Length (cm): 1340 No. Sections: 9

Sec 1 (cm):	150	Cum. (cm):	150
Sec 2 (cm):	148	Cum. (cm):	298
Sec 3 (cm):	150	Cum. (cm):	448
Sec 4 (cm):	150	Cum. (cm):	598
Sec 5 (cm):	150	Cum. (cm):	748
Sec 6 (cm):	144	Cum. (cm):	892
Sec 7 (cm):	150	Cum. (cm):	1042
Sec 8 (cm):	150	Cum. (cm):	1192
Sec 9 (cm):	148	Cum. (cm):	1340
Sec 10 (cm):	0	Cum. (cm):	0
Sec 11 (cm):	0	Cum. (cm):	0

Area Description:

Target area is a small basin about 1 km E-W by 2 km N-S. The basin is about 40 m deeper than a ridge on which it is located. 3.5 KHz record shows about 40 m of transparent sediment over basement (?). Area is generally rugged topography with many

Sediment Notes:

Sediment in core catcher are chocolate brown crumbly clays. Section breaks further up the core show abundant mottling and burrows of lighter colored sediment. Some lighter colored intervals at core breaks are light brown.

TT013 HYDROCASTS

STATION:	2		
AREA:	12 S		
LATITUDE:	-11.5965	LONGITUDE:	134.9498
DATE:	11/03/92	TIME (GMT):	09:28
		LOCAL TIME:	23:28

DEPTH 1:	835	DEPTH 6:	4329
DEPTH 2:	1500	DEPTH 7:	0
DEPTH 3:	2200	DEPTH 8:	0
DEPTH 4:	2900	DEPTH 9:	0
DEPTH 5:	3600	DEPTH 10:	0

COMMENTS:

Bottle depths inferred from decibar readings, last bottle 25 m above bottom

STATION:	7		
AREA:	12 S		
LATITUDE:	-11.9598	LONGITUDE:	134.9518
DATE:	11/04/92	TIME (GMT):	06:44
		LOCAL TIME:	20:44

DEPTH 1:	0	DEPTH 6:	120
DEPTH 2:	20	DEPTH 7:	150
DEPTH 3:	40	DEPTH 8:	200
DEPTH 4:	60	DEPTH 9:	350
DEPTH 5:	90	DEPTH 10:	0

COMMENTS:

Samples taken for Dr. C. Jeandel, plankton, thorium

TT013 HYDROCASTS

STATION:	16		
AREA:	2 S		
LATITUDE:	-1.8308	LONGITUDE:	139.6968
DATE:	11/07/92	TIME (GMT):	22:39
		LOCAL TIME:	12:30

DEPTH 1:	835	DEPTH 6:	4332
DEPTH 2:	1500	DEPTH 7:	0
DEPTH 3:	2200	DEPTH 8:	0
DEPTH 4:	2900	DEPTH 9:	0
DEPTH 5:	3600	DEPTH 10:	0

COMMENTS:

Depths inferred from decibars, last bottle 25 m above bottom; three bottled leaked

STATION:	21		
AREA:	2 S		
LATITUDE:	-1.8122	LONGITUDE:	139.7218
DATE:	11/08/92	TIME (GMT):	16:00
		LOCAL TIME:	06:00

DEPTH 1:	0	DEPTH 6:	120
DEPTH 2:	20	DEPTH 7:	150
DEPTH 3:	40	DEPTH 8:	200
DEPTH 4:	60	DEPTH 9:	350
DEPTH 5:	90	DEPTH 10:	500

COMMENTS:

0-500 m for plankton, thorium analysis

TT013 HYDROCASTS

STATION:	31		
AREA:	5 S		
LATITUDE:	-4.9662	LONGITUDE:	139.7425
DATE:	11/10/92	TIME (GMT):	19:25
		LOCAL TIME:	09:25

DEPTH 1:	835	DEPTH 6:	4214
DEPTH 2:	1500	DEPTH 7:	0
DEPTH 3:	2200	DEPTH 8:	0
DEPTH 4:	2900	DEPTH 9:	0
DEPTH 5:	3600	DEPTH 10:	0

COMMENTS:

depth from decibars, last bottle 25 m above bottom, three bottles did not close properly

STATION:	36		
AREA:	5 S		
LATITUDE:	-4.9563	LONGITUDE:	139.7735
DATE:	11/11/92	TIME (GMT):	13:37
		LOCAL TIME:	03:37

DEPTH 1:	1500	DEPTH 6:	0
DEPTH 2:	2200	DEPTH 7:	0
DEPTH 3:	2900	DEPTH 8:	0
DEPTH 4:	3600	DEPTH 9:	0
DEPTH 5:	4352	DEPTH 10:	0

COMMENTS:

last bottle 25 m above bottom; depths from decibars, previous cast missed at least three depths, this replaces them

TT013 HYDROCASTS

STATION:	38				
AREA:	5 S				
LATITUDE:	-4.9340		LONGITUDE:		139.7590
DATE:	11/11/92	TIME (GMT):	18:21		
		LOCAL TIME:	08:21		
DEPTH 1:	0	DEPTH 6:		120	
DEPTH 2:	20	DEPTH 7:		150	
DEPTH 3:	40	DEPTH 8:		200	
DEPTH 4:	60	DEPTH 9:		0	
DEPTH 5:	90	DEPTH 10:		0	

COMMENTS:

200 m shallow cast for plankton

STATION:	49				
AREA:	Equator				
LATITUDE:	0.1018		LONGITUDE:		139.7452
DATE:	11/15/92	TIME (GMT):	15:45		
		LOCAL TIME:	05:45		
DEPTH 1:	835	DEPTH 6:		4303	
DEPTH 2:	1500	DEPTH 7:		0	
DEPTH 3:	2200	DEPTH 8:		0	
DEPTH 4:	2900	DEPTH 9:		0	
DEPTH 5:	3600	DEPTH 10:		0	

COMMENTS:

depths from millibars, last bottle 25 m above bottom; three bottles did not close properly

TT013 HYDROCASTS

STATION:	**56**				
AREA:	**Equator**				
LATITUDE:	**0.1270**		**LONGITUDE:**		**139.7007**
DATE:	**11/16/92**	**TIME (GMT):**	**18:44**		
		LOCAL TIME:	**08:44**		
DEPTH 1:	**0**	**DEPTH 6:**		**120**	
DEPTH 2:	**20**	**DEPTH 7:**		**150**	
DEPTH 3:	**40**	**DEPTH 8:**		**200**	
DEPTH 4:	**60**	**DEPTH 9:**		**350**	
DEPTH 5:	**90**	**DEPTH 10:**		**545**	

COMMENTS:

200 m shallow cast for plankton, thorium, C. Jeandel

STATION:	**57**				
AREA:	**Equator**				
LATITUDE:	**0.1437**		**LONGITUDE:**		**139.6912**
DATE:	**11/16/92**	**TIME (GMT):**	**20:57**		
		LOCAL TIME:	**10:57**		
DEPTH 1:	**835**	**DEPTH 6:**		**0**	
DEPTH 2:	**3600**	**DEPTH 7:**		**0**	
DEPTH 3:	**4240**	**DEPTH 8:**		**0**	
DEPTH 4:	**0**	**DEPTH 9:**		**0**	
DEPTH 5:	**0**	**DEPTH 10:**		**0**	

COMMENTS:

First cast missed three depths; this cast replaces them

TT013 HYDROCASTS

STATION:	85		
AREA:	2 N		
LATITUDE:	2.0278	LONGITUDE:	140.1227
DATE:	11/22/92	TIME (GMT):	18:01
		LOCAL TIME:	08:01

DEPTH 1:	835	DEPTH 6:	4383
DEPTH 2:	1500	DEPTH 7:	0
DEPTH 3:	2200	DEPTH 8:	0
DEPTH 4:	2900	DEPTH 9:	0
DEPTH 5:	3600	DEPTH 10:	0

COMMENTS:

depths from millibars, last bottle 25 m above bottom

STATION:	92		
AREA:	2 N		
LATITUDE:	2.0565	LONGITUDE:	140.1463
DATE:	11/24/92	TIME (GMT):	12:34
		LOCAL TIME:	02:34

DEPTH 1:	0	DEPTH 6:	120
DEPTH 2:	20	DEPTH 7:	150
DEPTH 3:	40	DEPTH 8:	200
DEPTH 4:	60	DEPTH 9:	350
DEPTH 5:	90	DEPTH 10:	545

COMMENTS:

shallow cast for plankton, thorium, C. Jeandel

TT013 HYDROCASTS

STATION:	102		
AREA:	5 N		
LATITUDE:	5.1162	LONGITUDE:	139.7330
DATE:	11/27/92	TIME (GMT):	07:00
		LOCAL TIME:	19:00

DEPTH 1:	835	DEPTH 6:	4348
DEPTH 2:	1500	DEPTH 7:	0
DEPTH 3:	2200	DEPTH 8:	0
DEPTH 4:	2900	DEPTH 9:	0
DEPTH 5:	3600	DEPTH 10:	0

COMMENTS:

depths from millibars, last bottle 25 m above bottom; three bottles leaked

STATION:	119		
AREA:	5 N		
LATITUDE:	5.1070	LONGITUDE:	139.6335
DATE:	11/30/92	TIME (GMT):	18:34
		LOCAL TIME:	08:34

DEPTH 1:	835	DEPTH 6:	0
DEPTH 2:	2900	DEPTH 7:	0
DEPTH 3:	4270	DEPTH 8:	0
DEPTH 4:	0	DEPTH 9:	0
DEPTH 5:	0	DEPTH 10:	0

COMMENTS:

reprise of Sta 102 to get samples at depths where bottles leaked or did not close

TT013 HYDROCASTS

STATION:	**120**		
AREA:	**5 N**		
LATITUDE:	**5.0818**	**LONGITUDE:**	**139.7410**
DATE:	**11/30/92**	**TIME (GMT):**	**22:30**
		LOCAL TIME:	**12:30**

DEPTH 1:	**0**	**DEPTH 6:**	**120**
DEPTH 2:	**20**	**DEPTH 7:**	**150**
DEPTH 3:	**40**	**DEPTH 8:**	**200**
DEPTH 4:	**60**	**DEPTH 9:**	**0**
DEPTH 5:	**90**	**DEPTH 10:**	**0**

COMMENTS:

shallow cast for plankton

STATION:	**141**		
AREA:	**9 N**		
LATITUDE:	**8.9412**	**LONGITUDE:**	**139.8877**
DATE:	**12/06/92**	**TIME (GMT):**	**01:31**
		LOCAL TIME:	**15:31**

DEPTH 1:	**835**	**DEPTH 6:**	**4925**
DEPTH 2:	**1400**	**DEPTH 7:**	**0**
DEPTH 3:	**2300**	**DEPTH 8:**	**0**
DEPTH 4:	**3200**	**DEPTH 9:**	**0**
DEPTH 5:	**4100**	**DEPTH 10:**	**0**

COMMENTS:

bottles at 835 and 3200 m did not trip

TT013 HYDROCASTS

STATION:	146				
AREA:	9 N				
LATITUDE:	8.9433		**LONGITUDE:**		139.8658
DATE:	12/06/92		**TIME (GMT):**	19:47	
			LOCAL TIME:	09:47	
DEPTH 1:		0	**DEPTH 6:**		120
DEPTH 2:		20	**DEPTH 7:**		150
DEPTH 3:		40	**DEPTH 8:**		200
DEPTH 4:		60	**DEPTH 9:**		0
DEPTH 5:		90	**DEPTH 10:**		0

COMMENTS:
shallow cast for plankton

STATION:	151				
AREA:	9 N				
LATITUDE:	8.9072		**LONGITUDE:**		139.8738
DATE:	12/07/92		**TIME (GMT):**	16:16	
			LOCAL TIME:	06:16	
DEPTH 1:		0	**DEPTH 6:**		0
DEPTH 2:		3200	**DEPTH 7:**		0
DEPTH 3:		0	**DEPTH 8:**		0
DEPTH 4:		0	**DEPTH 9:**		0
DEPTH 5:		0	**DEPTH 10:**		0

COMMENTS:
rerun of Sta 141 to get 3200 m sample

TT013 CAMERA TOWS

STATION: 9
AREA: 12 S

BEGINNING LATITUDE:	-11.9888	BEGINNING TIME:
BEGINNING LONGITUDE:	134.9393	10:45:00
BEGINNING DEPTH (m):	4381	BEGINNING DATE:
		11/04/92
ENDING LATITUDE:	-12.0158	ENDING TIME:
ENDING LONGITUDE:	134.9425	
ENDING DEPTH (m):	4347	

COMMENTS:
pictures dark

STATION: 24
AREA: 2 S

BEGINNING LATITUDE:	-1.8667	BEGINNING TIME:
BEGINNING LONGITUDE:	139.7437	03:18:00
BEGINNING DEPTH (m):	4379	BEGINNING DATE:
		11/09/92
ENDING LATITUDE:	-1.8663	ENDING TIME:
ENDING LONGITUDE:	139.7118	
ENDING DEPTH (m):	4300	

COMMENTS:
CRS-195; Test photos good, Phytodetritus evident at sediment-water surface

TT013 CAMERA TOWS

STATION: 40
AREA: 5 S

BEGINNING LATITUDE:	-4.9783	BEGINNING TIME:
BEGINNING LONGITUDE:	139.7317	01:45:00
BEGINNING DEPTH (m):	4256	BEGINNING DATE:
		11/12/92
ENDING LATITUDE:	-5.0033	ENDING TIME:
ENDING LONGITUDE:	139.7217	
ENDING DEPTH (m):	4246	

COMMENTS:
CRS-200; sled landed upside down; no photos

STATION: 43
AREA: 5 S

BEGINNING LATITUDE:	-4.9750	BEGINNING TIME:
BEGINNING LONGITUDE:	139.9750	03:52:00
BEGINNING DEPTH (m):	4197	BEGINNING DATE:
		11/12/92
ENDING LATITUDE:	-4.9700	ENDING TIME:
ENDING LONGITUDE:	139.6933	
ENDING DEPTH (m):	4183	

COMMENTS:
test strips look good; little phytodetritus

TT013 CAMERA TOWS

STATION: 53
AREA: Equator

BEGINNING LATITUDE:	0.1050	BEGINNING TIME:
BEGINNING LONGITUDE:	139.7400	08:27:00
BEGINNING DEPTH (m):	4318	BEGINNING DATE:
		11/16/92
ENDING LATITUDE:	0.0967	ENDING TIME:
ENDING LONGITUDE:	139.6850	
ENDING DEPTH (m):	4320	

COMMENTS:
CRS-206

STATION: 68
AREA: Equator

BEGINNING LATITUDE:	0.1050	BEGINNING TIME:
BEGINNING LONGITUDE:	139.7400	01:00:00
BEGINNING DEPTH (m):	4308	BEGINNING DATE:
		11/19/92
ENDING LATITUDE:	0.0950	ENDING TIME:
ENDING LONGITUDE:	139.7250	
ENDING DEPTH (m):	4316	

COMMENTS:
"Bat Sled" modifications worked!

TT013 CAMERA TOWS

STATION: 79
AREA: 2 N

BEGINNING LATITUDE:	**2.5000**	**BEGINNING TIME:**
BEGINNING LONGITUDE:	**140.1130**	**18:05:00**
BEGINNING DEPTH (m):	**4402**	**BEGINNING DATE:**
		11/21/92
ENDING LATITUDE:	**2.0450**	**ENDING TIME:**
ENDING LONGITUDE:	**140.0900**	
ENDING DEPTH (m):	**4381**	

COMMENTS:
capacitor exploded in strobe; strobe pressure house lens shattered; pictures good

STATION: 110
AREA: 5 N

BEGINNING LATITUDE:	**5.0700**	**BEGINNING TIME:**
BEGINNING LONGITUDE:	**139.6700**	**1815:00:00**
BEGINNING DEPTH (m):	**4452**	**BEGINNING DATE:**
		11/28/92
ENDING LATITUDE:	**5.0817**	**ENDING TIME:**
ENDING LONGITUDE:	**139.6583**	
ENDING DEPTH (m):	**4440**	

COMMENTS:
good photographs, repaired strobe worked

TT013 CAMERA TOWS

STATION: 136
AREA: 9 N

BEGINNING LATITUDE:	8.9100	BEGINNING TIME:
BEGINNING LONGITUDE:	139.8712	09:03:00
BEGINNING DEPTH (m):	5012	BEGINNING DATE:
		12/05/92
ENDING LATITUDE:	8.9300	ENDING TIME:
ENDING LONGITUDE:	139.8650	
ENDING DEPTH (m):	4993	

COMMENTS:
excellent photographs, fewer burrows than sites near the Equator

TT013 PLANKTON TOWS

STATION	AREA	TOW TYPE	DATE (GMT)	TIME (GMT)	TIME (LOCAL)	LATITUDE (- = SOUTH)	LONGITUDE (+ = WEST)
5	12 S	Horizontal	11/03/92	23:15	13:15	-11.9967	134.9505
8	12 S	Vertical	11/04/92	07:35	21:35	-11.9558	134.9544
11	12 S	Vertical	11/04/92	23:45	13:45	-11.9500	134.9500
17	2 S	Horizontal	11/07/92	23:06	13:06	-1.8289	139.6987
22	2 S	Vertical	11/08/92	17:00	07:00	-1.8057	139.7170
25	2 S	Vertical	11/08/92	07:25	21:25	-1.8672	139.6496
28	3 S	Horizontal	11/09/92	22:30	12:30	-2.8837	139.8318
30	4 S	Horizontal	11/10/92	11:07	01:07	-4.1993	139.7905
33	5 S	Horizontal	11/11/92	00:55	14:55	-4.9507	139.7398
37	5 S	Vertical	11/11/92	17:40	07:40	-4.9373	139.7562
42	5 S	Vertical	11/12/92	13:01	03:01	-4.9667	139.7385
51	Equator	Horizontal	11/15/92	19:53	09:53	0.0968	139.7311
54	Equator	Vertical	11/16/92	12:37	02:37	0.0732	139.6620
60	Equator	Horizontal	11/17/92	06:02	20:02	0.1083	139.7320
62	1 S	Horizontal	11/17/92	22:15	12:15	-0.8644	139.8320
64	1 S	Horizontal	11/18/92	07:00	21:00	-0.8657	139.8318
67	Equator	Vertical	11/18/92	22:07	12:07	0.1082	139.7309
78	2 N	Vertical	11/21/92	14:00	04:00	2.0417	140.1085
81	2 N	Horizontal	11/22/92	00:21	14:21	2.0610	140.1452
84	2 N	Horizontal	11/22/92	12:03	02:03	2.0703	140.1482
87	1 N	Vertical	11/22/92	13:02	03:02	0.8160	139.9190
90	1 N	Horizontal	11/23/92	19:13	09:13	0.8140	139.9192
94	2 N	Vertical	11/24/92	17:14	07:14	2.0453	140.1205
106	5 N	Horizontal	11/27/92	22:51	12:51	5.0750	139.6215

TT013 PLANKTON TOWS

STATION	AREA	TOW TYPE	DATE (GMT)	TIME (GMT)	TIME (LOCAL)	LATITUDE (- = SOUTH)	LONGITUDE (+ = WEST)
109	5 N	Vertical	11/28/92	13:54	03:54	5.0595	139.6168
115	4 N	Horizontal	11/29/92	22:56	12:56	4.0422	139.8540
118	5 N	Vertical	11/30/92	17:26	07:26	5.0658	139.6377
123	5 N	Horizontal	12/01/92	11:33	01:33	5.0895	139.6457
138	9 N	Horizontal	12/04/92	16:05	06:05	8.9233	139.8697
140	9 N	Horizontal	12/05/92	23:00	13:00	8.9227	139.8545
142	9 N	Vertical	12/06/92	05:27	19:27	8.9650	139.8670
145	9 N	Vertical	12/06/92	18:41	08:41	8.9478	139.8638
150	9 N	Horizontal	12/07/92	12:04	02:04	8.9277	139.8618

EQPAC MC 1 CRS 188 TT013-4 3 NOV.1992

DISTRIBUTION of CORES

C1	microbiology
2	not used
3	pore water
4	paleo
5	microbiology
6	paleo
7	radionuclides - thorium
8	whole core squeezer

DESCRIPTION of CORES

C1 TW clear to slightly turbid. Surface with slight bump in center. Good sediment/water interface. White forams in upper 2cm. Total 30cm.

C2 TW somewhat turbid. Surface slanted 2cm. Surface smooth. Some Globigerina on surface. A few small clumps, 1cm diameter. Reworked section 5-7cm thick - many burrows, paler sediment. Globigerina in burrow traces. When processed, a major burrow "blew up" into core, rendering mud and TW useless for anything. Top 7cm thick, middle 20cm, bottom 10cm. Total mud 35-36cm.

C3 TW turbid. Surface even, smooth, small ridge near one side, 3cm long. Top 5-7cm heavily reworked - burrow traces all through it. Some burrows with many Globigerina in them. Top 7cm thick, middle 16cm, bottom 12cm streaky. Total 38cm.

C4 Gray PVC tube. TW somewhat turbid. Rest not visible. When tube was taken down, there appears to be evidence of borrows on surface. Many white burrows. Total mud 20cm.

C5 TW turbid. Surface with dip, with filled sediment. Burrow hole at 2.5cm down, 1cm wide. Re-worked area 5cm thick. Not so many burrows as in C3 and C2. Top mud 5cm thick, middle 21cm, bottom 7cm. Total 32-33cm.

C6 Gray PVC tube. TW somewhat turbid. Nothing else visible. Mud not used because core slipped when attempts were made to exchange stopper for end cap.

C7 TW turbid. surface uneven - slid on one side . Not much separation between layers, except bottom dark mud. Possible burrow at 3cm down. Top mud - no change, middle 21cm, bottom 7cm. Total mud 31.5-34cm.

C8 TW somewhat turbid. Surface broken a little, slanted 1.5cm. Continuous red to bottom. Many cm-scale burrows. Re-worked section 2-6cm thick. Many burrow traces, paler mud mixed with red mud. Top 6cm thick, middle 21cm, bottom 13cm. Total mud 37cm.

EQPAC MC 2 CRS 191 TTO13-10 4 NOV. 1992

DISTRIBUTION of CORES

C1	radionuclides
2	whole core squeeze
3	centrifuge
4	radionuclides
5	macrofauna
6	paleo
7	radionuclides
8	microbiology & radionuclides Thorium

DESCRIPTION of CORES

C1 TW very clear. surface somewhat uneven. Dip in center. Nodule along one side in another dip. Nodule 2.5cm long. Mud underneath nodule is darker brown than elsewhere. Many forams on surface. Top mud not re-worked, even red-brown color, followed by a paler layer, mixed with darker mud, then dark on bottom. Top mud 11cm thick, middle 12cm, bottom 13cm. Total mud 34-35.5cm.

C2 Tw clear. Surface even, slight slant. Surface with light flocculent layer with many Globigerina. Burrow trace, exiting to surface, from 1.5cm down, and fainter traces to 5cm down, filled with forams. Top 8cm thick, middle 12cm, bottom 15cm. Total mud 37cm.

C3 TW very clear. Surface very even. Surface smooth, with light covering of detritus, some loose flocculence, and many white forams. Hole on one side, 3.5cm long, 2cm deep. - maybe was a nodule. Burrow traces at 1.5, 3.5, 9.5cm down. Top 7.5cm thick, middle 11cm, bottom 17cm. Total mud 37cm.

C4 TW clear, very slightly turbid. Surface mostly even. Surface with <u>very</u> light flocculent layer, and only a few forams. Nodule on surface, 3cm long, 2cm wide, 7mm high. Mud underneath darker brown. Dip on side, 3.5cm wide, 1cm deep, with darker mud underneath - either displaced nodule, or possible burrow exit. Burrow traces at 4cm & 4.5cm down. Top 9.5cm thick, middle 14cm, bottom 12cm. Total 37cm.

C5 TW very clear. Surface even. Surface mostly smooth. A few small dips along side. Burrow exiting to surface, many traces coming up to exit from a very large burrow hole, 3.5cm down, 5cm long, 0.5cm high. Traces filled with Globigerina. Another trace at 4.5cm down. 2 dips, 3cm & 4cm long at surface, 1cm deep. Top 5cm thick, middle 11cm, bottom 17cm. Total mud 36cm. Additional notes on C5 : Many many forams - comprising most of "sediment" retained on 0.3mm screen. No animal was found that might have made the big burrow. All down through the core to at least 5cm above base, are many burrows with soft, wetter mud lining them. No other signs of animals, just burrows. Mud, after top few cm, is evenly soft down through core tube length, though pale mud seems to be a little softer than dark chocolate mud, and with more forams, especially near bottom of core tube (near 38cm and deeper). Nodule at bottom of core tube, at base.

C6 PVC tube. TW very clear. Nodule on surface, 2cm diameter. Surface smooth. Total mud 36cm.

C7 TW very clear. Surface even. Nodule sitting on surface, 4cm long x 3.5cm wide, 1cm above surface. Nodule seems to h some brown mats on it. Rest of surface covered with floccule material, with Globigerina caught up in the detrital pieces. Burrow hole at 4cm down. Top 9cm thick, middle 12cm, bottom 17cm. Total mud 39cm.

C8 TW clear. Gap at bottom, about 10cm. Very possibly from nodule caught on edge, not allowing it to close properly, since nodules were present in other core tubes.

EQPAC MC 3 CRS 192 TT013-19 7 NOV. 1992

DISTRIBUTION of CORES

C1	microbiology
2	whole core squeezer
3	centrifuge
4	organics
5	radionuclides
6	NO GOOD
7	radionuclides
8	radionuclides Thorium

DESCRIPTION of CORES

C1 TW clear. Surface flat. Burrow in surface down to 1cm. Possible light green flocculent material. Burrow hole 2.5cm long ?cm down. Sediment very white carbonataes. Total 31cm.

C2 TW clear. Surface even, slight dip. Surface smooth, slight bit of flocculant material. Very subtle layering. Top layer even color pale beige 9cm thick. Middle, slightly grayer, 16cm thick. Bottom streaky with brownish mud, beige mud, and paler mud 6cm thick. Total mud 30-31cm.

C3 TW very clear. Surface with mound or ridge running along surface, 2.5cm wide, 1/2cm high. Much greenish phytodetritus in hollows. Some worked down into sediment 1.6cm. Burrow ?hole 2.5cm down. Top layer with some variability, beige 6-9cm thick. Narrow yellowish layer 9cm down, 1.5cm thick. Middle beige with paler mottling 16cm thick. Bottom 5cm thick. Total 33cm.

C4 TW very clear. surface with ridge - same as in C3, 1/2cm high, 2.5cm wide. Rest of surface somewhat uneven, with phytodetritus balls and flocculance caught in hollows. Burrow at 3cm down. Another burrow trace 6cm down. Top layer beige, even color, 6-7cm thick. Middle beige with paler mottling 20cm thick. Bottom mottled white, beige, green-brown, 7cm thick. Total 32-34cm.

C5 TW very clear. Surface with a few dips and bumps. One clump 2cm diameter, 5mm high. Phytodetritus and flocculance, loose, on surface. One small clump worked down 4mm into sediment. Burrow hole at 9cm down, with traces from it exiting to surface at a low mound. Top layer even color, 10cm thick. Middle mostly even beige, with a few small paler mottles. Bottom greenish brown mud, 4cm thick. Total 33cm.

C6 Gray PVC tube. EMPTY.

C7 TW clear. Surface mostly even, with some unevenness. Lots of loose flocculant material, pale greenish - phytodetritus? Possible flat xeno?? Burrow trace at 9cm down. Top layer very even color, 11cm thick. Middle beige with paler mottling 14cm thick. Bottom 5cm thick, greenish brown & beige & white. Total 32.5cm.

C8 TW clear. Core tube with gap - 10cm wide, 10cm from bottom. Slid to base after from MC frame. Surface pretty even. some phytodetritus. Top layer even beige color 9cm thick. Total 16cm.

EQPAC MC 4 CRS 194 TT013-23 8 NOV. 1992

DISTRIBUTION of CORES

C1	paleo
2	pore water - whole core squeeze
3	NO GOOD
4	pore water - centrifuge
5	organics
6	microbiology/radionuclides
7	microbiology
8	phaeopigments

DESCRIPTION of CORES

C1 TW clear to slightly turbid. Surface even, smooth, with a little phytodet. loose material. Burrow hole at 1.5cm down. Top mud even color beige with some paler mottles. Total 22.5cm.

C2 TW clear. Surface even. Surface smooth. A few mucous phytodet. balls. A few small clumps, <0.5cm diameter. Top mud very even in color, pale beige 13cm thick. Middle mud 13cm thick, mottled with paler mud. Lower greenish brown, beige, pale 5cm thick. Total 29cm.

C3 Gray PVC tube. Mud present on sides inside, implying that it slipped out before arm could close it.

C4 TW clear. Surface with a few dips, difference of 5mm height. Some phytodet. mucous balls on surface. Top layer even beige 8cm thick. Middle mostly beige, some paler mottling 5cm thick. Lower greenish mud mixed with beige and paler mud 5cm thick. Total 32.5cm.

C5 TW slightly turbid. surface fairly even, slight dip on one side. A little phytodet. present. Mud clump in center 2cm long, 1cm wide, 8mm high. Top layer even beige 10cm thick. Middle beige and pale 12cm thick. Bottom only slightly darker, 4cm thick. Total 27cm.

C6 TW only slightly turbid. surface with some dips. Xeno in center 8mm high, 1cm wide at top. Another possible Xeno near edge, 7mm high. Some phytodet. Burrow exit to surface from 2cm down. Top even beige 12cm thick. Middle a little mottled beige & pale 12cm thick. bottom greenish, grayish, beige & pale mottled 7cm thick. Total 33cm.

C7 TW clear to slightly turbid. Surface with elevated mound? 3-4mm high running width of surface. Large clump of ? 8mm diameter. Some green phytodet. Polychaete tube on surface 2cm diameter. Burrow from it down into sediment to 1.5cm. Total

C8 TW very clear. Surface even but with valleys. Some clumps 1cm diam. Possible agglutinated foram near edge 1.2cm long, 4mm high. Lots of phytodet, especially in hollows and along edge. Some worked down into sediment, 1.5cm. Possible burrow traces and exits where phytodet worked in. Burrow hole at 3cm down. Top layer even beige 11cm thick. Middle mostly beige, some paler mottling 13cm thick. Bottom greenish, grayish, beige, and pale mud mottled 7cm thick. Total 3.5cm.

EQPAC MC 5 CRS 196 TT013-27 9 NOV. 1992

DISTRIBUTION of CORES

C1	radionuclides
2	pore water - whole core squeezer
3	paleo
4	pore water - centrifuge
5	radionuclides
6	NO GOOD
7	phaeopigments
8	pore water - ReMoU

DESCRIPTION of CORES

C1 TW very clear. Surface with 1.5cm slant. Surface covered with loose flocculent phytodet. material 6mm thick. Burrow trace 4, 13cm down, possibly also 23cm down. 2 small burrow holes to 3.5cm down. A little phytodet worked into sediment 7mm down in 2 places. Top mud even gray beige 9cm thick. Middle mottled paler 7cm thick. Bottom yellowish beige 7cm thick. Total 31-32cm.

C2 TW very clear. Surface even, surface smooth. Much phytodet loose on surface. Possible burrow trace 5.5cm down, exiting to surface with some phytodet worked down 1cm. Most of mud even beige/gray, down 21cm. below is layer of beige, pale brown, and paler mud mottled. Total 33cm.

C3 TW very clear. Gap at base 2cm wide. Surface even, with loose phytodet on surface. Top mud even color gray beige, 11cm thick. Lower mottled paler. Total 20cm.

C4 TW clear. Surface even. Surface smooth, with much phytodet on surface. Some worked 1cm down into sediment in places. Small burrow hole and exit to surface from 2cm down. Top mud even gray beige color 18cm thick. Below, very little mottling with paler mud 11cm thick. Bottom even color yellowish beige thick. Total 32.5cm.

C5 TW very clear. Surface even. Lots of loose flocculent phytodet, some dark green clumps 3mm diameter. Burrow hole at 3cm down, 2cm wide, 6mm high. Top mud even beige gray color 15cm thick. Middle some paler mottling, 10cm thick. Bottom even yellowish beige. Total 30cm.

C6 Gray PVC tube. Empty - no mud on inside.

C7 TW very clear. Surface even. Burrow mound on surface 3.5cm long, 2cm wide, 1cm high, 2 holes in surface. Much phytodet loose on surface, some dark green. Some worked into sediment 70mm down. Burrow trace 5cm down. Top mud even color 10cm thick. Middle almost even, very little paler mottles, 17cm thick. Bottom yellowish beige, mostly even color 6cm thick. Total 32cm.

C8 TW very clear. Surface even, covered with much loose phytodet material, greenish, some darker clumps. Burrow trace 5mm down. Top mud even beige gray color 26cm thick. Bottom slightly yellower beige. Total 32.5cm.

EQPAC MC 6 CRS 197 TT013-34 10 NOV. 1992

DISTRIBUTION of CORES

C1	NO GOOD
2	radionuclides (long term)
3	organics
4	radionuclides
5	pore water - whole core squeeze
6	microbiology
7	pore water - centrifuge
8	NO GOOD

DESCRIPTION of CORES

C1 TW drained off, probably from a very large burrow system present on one side . Short core : 14cm mud.

C2 TW clear to very slightly turbid. Surface with dips and mounds due to burrow mounds 2cm high. Some large clumps of greenish brown phytodet. and smaller pieces also. Burrow trace starting at 12.5cm down, exiting at surface, another from 5.5cm down, exiting at surface at mound. Mud even gray beige 21cm. Bottom yellowish beige color. Total 26-28cm.

C3 TW somewhat turbid. Gap at base along one side only 8cm deep. Surface even, difference 1/2cm. Some loose flocculent material. Burrow hole at 8cm down, with some traces heading toward surface. Dark streak of mud, diagonal 11-14cm down, 1cm wide. Top beige 10cm thick. Middle paler beige 13cm thick. Bottom yellowish beige. Total 28.5cm.

C4 TW clear. Surface even. Surface smooth with very little loose material. Vertical burrow trace starting at surface and going down 21cm, towards hole lower down at 26cm. Top mud brownish beige 12cm thick. Middle paler beige 14cm. Bottom yellowish beige. Total 30cm.

C5 TW very clear. Surface mostly even. Some loose flocculent material on surface, pale greenish. Burrow hole at 3.5cm down. Top brownish beige, fading imperceptibly into paler beige, with one pale patch 18cm down, 6cm long, 4cm high. Bottom yellowish beige 8cm thick. Total 30cm.

C6 TW clear. Surface flat. A little phytodet.? Mound near one side. Burrow hole at 2cm down. Total 22.5cm.

C7 TW clear. Surface with dip along one side 1cm difference. Two clumps on surface, one 2cm long, 1.2cm high, other 1cm long X 1.2cm high. Some loose flocculence but not greenish. Burrow trace vertical 5.5-10cm down. Top mud even gray beige 26.5cm. Lower slightly yellower beige. Total 31-31.8cm.

C8 Empty - no mud present.

EQPAC MC 7 CRS 199 TT013-39 11 NOV. 1992

DISTRIBUTION of CORES

C1	organics
2	organics
3	paleo
4	microbiology
5	pore water - centrifuge
6	phaeopigments
7	NO GOOD
8	pore water - whole core squeeze

DESCRIPTION of CORES

C1 TW very clear. Surface with some slants of 1.2cm. Surface smooth. No loose flocculent material. Tube on surface 1cm long. Faint burrow traces to surface from 9cm down. Top mud even brownish beige 10cm thick. Middle paler, even, 12cm. Bottom slightly browner 3cm thick. Total 24cm.

C2 TW clear. Low mound on surface with burrow exit, 8mm [illegible] 3.5cm long. No loose material on surface. Top beige brownish even color 8cm thick. Middle paler grayish beige, even, 16cm thick. Bottom yellowish beige 5cm. Total 24cm.

C3 Gray PVC tube with "mud catcher." No TW. Total mud 17cm.

C4 TW clear. Surface with 2 low mounds, 2cm diameter. Hole 2mm diameter on surface; also tube, with borrow hole from it down to 1.5cm. Total 26.5cm.

C5 TW very clear. Surface even. No phytodet. material on surface. Lots of small burrow holes on surface, some tracks also. very faint possible burrow trace at 10cm. Top mud even brownish beige 6cm thick. Middle even color, paler beige 13cm. Bottom slight mottling beige and paler. Total 28cm.

C6 TW very clear. Surface with mounded mud along one side, 5cm into center, 9cm long, 12cm high. Some dark ?forams next to mound. Small tube on surface. A few burrow holes exiting to surface. Burrow trace 8cm down. Top even yellowish brown b[illegible] mud 10cm thick. Middle even beige 17cm thick. Bottom [illegible] mottles, pretty even color. Total 30cm.

C7 Empty - trip wire for camera caught on MC arm and kept it open.

C8 TW very clear. Surface even. Only a few mucous balls on surface. Small burrow hole in center. Possible burrow hole (obscured by band) at 2.5cm down. Top layer yellowish beige 5cm thick. Middle uniform gray beige 16cm. Bottom mottled slightly yellowish and beige. Total 32cm.

EQPAC MC 8 CRS 201 TT013-41 11 NOV. 1992

DISTRIBUTION of CORES

C1	NO GOOD
2	organics
3	NO GOOD
4	radionuclides
5	phaeopigments
6	radionuclides
7	radionuclides
8	paleo

DESCRIPTION of CORES

C1 Empty except for 1cm mud on base.

C2 Tw slightly turbid. Slight slant to surface <1.2cm. A few mucous balls. Clump on surface 1cm diameter. Burrow trace from surface from 1cm down, filled with forams. Diagonal burrow trace from 3-4.5cm down. Top even brownish beige 7cm. Middle even paler gray beige 12cm thick. Bottom brownish beige 3cm. Total 25cm.

C3 Empty

C4 TW slightly turbid. Surface even. Possible agglutinated [illegible] near side. Tube sticking up 0.5cm. A few mucous balls [illegible] burrow system throughout tube from 6 to 23cm down. Burrow holes at 13 & 14cm down. Top even brownish beige 10cm thick. Middle even, paler gray beige with many burrow traces 15cm thick. Bottom mottled pale & brown beige. Total 30cm.

C5 TW clear to slightly turbid. Surface even. A few mucous balls. Burrow trace from surface to 2.5cm down, filled with forams. Top even brownish beige 8cm thick. Middle even, grayer beige 14cm thick. Bottom browner beige. Total 25.5cm.

C6 TW clear. Surface even. Some loose flocculent material. Surface smooth. Top mud even brownish beige 13cm. Middle even gray beige 13cm. Bottom brownish beige, some paler mottling, 6cm thick. total 28cm.

C7 TW clear. Surface even. Some loose flocculent material. A few small mud clumps <1.2cm. Top mud brownish beige 6cm thick. Middle even gray beige 20cm thick. Bottom with some lighter mottling. Total 28cm.

C8 TW slightly turbid. Surface slant 1/2cm. some loose flocculent phytodet. material. Small burrow trace with forams in it 1cm down. Top mud shades imperceptibly into middle paler mud, 24cm thick. Bottom brownish beige. Total 28.5cm.

EQPAC MC 10 CRS 204 TT013-48 15 NOV.1992

DISTRIBUTION of CORES

C1	NO GOOD
2	pore water - centrifuge
3	phaeopigments
4	microbiology/radionuclides long term
5	radionuclides
6	radionuclides
7	organics
8	pore water - whole core squeeze

DESCRIPTION of CORES

C1 EMPTY

C2 TW very clear. Surface slanted 1cm. Much pale to darker green phytodet. on surface. Some phytodet. worked into sediment 5mm down. Burrow trace 7cm down. At surface above is burrow exit trace with phytodet. and forams. Top mud even gray beige 14cm thick. Bottom mostly white with some beige mottling. Total 25cm.

C3 TW very clear. Surface with 1cm slant. Surface covered with phytodet., pale and darkish green. Some worked into sediment 4mm. Burrow trace from surface 2cm down. Top even gray beige color 13cm thick. Bottom evenly mottled pale and beige. Total 26 - 27cm.

C4 TW ? Surface with relief of 1cm. Possible green phytodet. Total ?

C5 TW very clear. Surface mostly even. Dip on one side 1.5cm. Much phytodet. loose on surface - pale to darkish green. Large burrow hole in surface 1cm diameter, 1/2cm in from side. Burrow trace 6.5cm down, near hole. Top mud more variable in depth - even gray beige 8-16cm down. Bottom mottled paler. Total 26.5cm.

C6 TW very clear. Surface mostly even. Much phytodet. in hollows on surface, pale to darkish green. Some phytodet. worked into sediment 3mm. Burrow trace system from surface down to 3cm. Burrow trace 10cm down. Top mud mostly even gray beige (one paler spot), 12cm thick. Bottom mottled paler and beige. Total 27cm.

C7 TW very clear. Surface even. Some phytodet. on surface. Small burrow hole on surface. Burrow hole 4cm down. Burrow traces 3,5,12cm down. More burrow traces 3,4,5cm down. A little phytodet. worked 8mm into sediment. Top mud even gray beige 15cm thick. Bottom mottled pale & beige. Total 26cm.

C8 TW very clear. Surface mostly even, dip on one side, 1.5cm. Much pale green phytodet. on surface, esp. in hollows. Phytodet. worked 80mm into sediment in one place. Top mud even gray beige 15cm. Bottom mottled paler. Total 27.5cm.

EQPAC MC 11 CRS 208 TT013-58 16 NOV. 1992

DISTRIBUTION of CORES

C1 radionuclides
2 pore water - whole core squeeze
3 microbiology
4 pore water - centrifuge
5 paleo
6 phaeopigments
7 organics
8 NO GOOD

DESCRIPTION of CORES

C1 TW very clear. Surface even. Surface covered with heavy phytodet. Burrow holes (3) at 6mm to 1cm down, in a line. Another larger hole at 5.5cm. Top mud even gray beige 13cm thick. Middle mottled pale & beige 15cm. Burrow mostly brownish beige with pale & beige mottling 5.5cm. Total 32cm.

C2 TW very clear. Surface even. Surface covered with phytodet., greenish fluff. Very small burrow hole in center. Burrow holes at 40mm and 1cm, to surface. Top even gray beige 22cm. Middle mottled beige and pale 9cm. Bottom heavy mottling of brown, pale,and beige 5cm. Total 31.5cm.

C3 TW very clear. Surface with 5mm relief. Center flat. Burrow hole on surface, down to 5cm. ?Fish bone 1cm long at 3cm down. Much phytodet. covering surface. Total 28cm.

C4 TW very clear. Surface even. Surface covered with greenish brown phytodet. Surface with small hole near center. Burrow traces 2,3,6cm down. Top 17cm thick, even beige except for one big paler mottle 7cm down, 4cm wide, 5cm high. Middle paler and beige mottling 13cm. Bottom mostly brown with beige and paler mottles, and with vertical streaks as in C6. Total 33cm.

C5 TW very clear. Surface with small dips of 1/2cm. Surface covered with phytodet, loose greenish fluff. A few small holes in surface. Burrow trace from surface to 2cm down. One unusual vertical streak of yellowish mud 14cm long, 1/2cm wide. Top mud even gray brown 13cm thick. Middle mottled pale and beige 15cm. Bottom evenly mottled pale, brown, and beige. Total 33cm.

C6 TW very clear. Surface with 1 1/2cm slant. Surface covered with greenish brownish phytodet. A little phytodet. worked into sediment 5mm down, 6mm wide. Burrow trace at 6.5cm down. Top mud even gray beige 15cm thick. Middle mottled pale and beige 12cm. Bottom brown, pale, beige mottled. At base,vertical white streak 1cm wide,10cm long. Total 33.5cm.

C7 TW very clear. Surface with some dips 1/2cm difference. Surface with phytodet. in dips and valleys. A few small holes in surface. Burrow trace from surface to 1cm down. Top mud even beige 12cm thick. Middle mottled beige and pale 13cm. Bottom brownish mottled with pale and beige. 2 white vertical adjacent streaks from base. Total 33.5cm.

C8 EMPTY

EQPAC MC 12 CRS 210 TT013-210 17 NOV. 1992

DISTRIBUTION of CORES

C1	NO GOOD
2	pore water - whole core squeeze
3	paleo
4	paleo
5	pore water - centrifuge
6	paleo
7	barite
8	NO GOOD

DESCRIPTION of CORES

C1 EMPTY - slight bit of mud on base.

C2 TW somewhat turbid. Surface even. A few phytodet. bal surface, pale greenish. Some worked into sediment 6mm. Burrow holes at 3 & 3.5cm. Top mud even beige 9cm. Bottom mottled beige and paler. Total 18.5cm.

C3 TW turbid. Surface very even. Some greenish brown loose phytodet. on surface. Whole tube seems to be a burrow system. Large hole 4cm down, 2.5cm long, 6mm high. Another hole plus trace at 3.5cm down. Some phytodet. worked into sediment 1.0cm . Large trace system filled with forams 0.5cm down, 2cm wide, 5.5cm long. Top even beige 11cm thick. Bottom slight mottling. Total 18cm.

C4 TW clear to slightly turbid. Surface with dip of 1/2cm. Surface with some greenish phytodet., esp. on sides and in hollows. White tube-like structure on surface, 4cm long, coming out of sediment and going back in. Top mud gray beige even color 12cm thick. Bottom evenly mottled gray and pale, total 20cm.

C5 TW slightly turbid. Surface even. Surface with much loose phytodet. near side and in valleys. Burrow system exiting to surface from 2cm down. 2 streaks of pistachio greenish mud, one from 7cm down to 10cm, 5mm wide; other 14 to 17.5cm down, 5mm wide. Top mud even gray beige 11cm thick. Bottom mottled beige and pale. Total 20cm.

C6 TW clear. Surface with dip of 1cm on one side. Surface with some greenish phytodet. along sides and in hollows. Burrow system at 3, 2.5, 2cm. Surface with ?foram sticking up from sediment 4.5cm high. Top mud even gray beige 11cm. Bottom mottled beige and pale. Total 20cm.

C7 TW very clear. Surface with some dips and hollows. Mostly even. Surface covered with greenish brown phytodet. Some worked into sediment 5mm. Tiny burrow hole at 11cm down. Burrow hole at 2.5cm down. Another plus trace exiting to surface from 1cm down. Top mud even gray beige 12cm thick. Bottom mostly beige, some pale mottling. Total 20.5cm.

C8 Empty

EQPAC MC 13 CRS 213 TT013-66 18 NOV. 1992

DISTRIBUTION of CORES

C1	phaeopigments	5	organics
2	radionuclides	6	organics
3	radionuclides	7	paleo
4	radionuclides	8	NO GOOD

DESCRIPTION of CORES

C1 TW very clear. Surface slight slant 1/2cm. Much phytodet. on surface, greenish brown. Burrow trace at 5.5cm with finer foram-filled traces above. One bit of phytodet. worked into sediment 4mm. Top even gray beige 11cm thick. Bottom beige with some pale mottling. Total 18cm.

C2 TW very clear. Surface with some dips and mounds 1.5cm difference. Much phytodet. on surface. Some worked into sediment 4mm. Top even gray beige 17cm thick. Middle lightly mottled beige and g 13cm. Bottom much dark brown mottled with pale and beige. Total 31-32.5cm.

C3 TW very clear. Surface mostly even with some dips. Surface covered with much greenish phytodet. Much worked into sediment 1.2cm. Burrow traces at 2.5, 2cm down. Top even brownish beige 13cm thick. Middle mostly beige with some paler mottling. Bottom with a band of dark greenish brown mud 27cm down, 2.5cm wide. Below streaky mottling. Total 32.5 - 33.5cm.

C4 TW very clear. Surface with mound of paler mud with 3 small burrow holes exiting to surface. Other holes to surface. Much greenish phytodet. loose on surface. Some phytodet. worked down 1cm. Burrow traces at 1.5, 1.5, 2cm down. 2 black horizontal streaky areas, one 6cm down other 3 to 7cm down. Top mud even beige 11cm thick. Middle mottled beige & paler. Bottom mottled brown & beige & pale. Total 32-33.5cm.

C5 TW clear. Surface with dips and mounds, 1.5cm difference. Much greenish phytodet. loose on surface. Two burrow holes at 6cm dow with adjoining traces with forams inside. Possible burrow trac 20cm down. Top mud 11cm thick, mostly even gray beige with one pa patch at one of the burrow holes . Middle 14cm thick, mostly beige, some paler mottling. Bottom dark brown mottled with pale and beige. Total 31.5 - 32.5cm.

C6 TW very clear. Surface with some dips, 1/2cm difference. Much greenish phytodet. on surface. Some mounds on surface 1/2cm high. Some phytodet. worked 7mm into sediment. Top mud even brown beige 14cm thick. Middle mostly beige, some paler mottling 13cm. Bottom greenish brown with streaky beige & pale mottling . Total 30-31/2cm.

C7 TW clear. Surface with mound 1cm high with Xeno sitting on top and lots of phytodet. captured underneath Xeno (8cm long, 4cm high, 1/2cm thick). Rest of surface with some phytodet; some worked into sediment 4mm. Burrow hole at 3.5cm down, 2cm wide, 1cm high. Top mud mostly even brown beige with some paler mottling 12cm. Bottom streaky vertical mottling brown, beige, & pale. Total 31-33cm.

C8 EMPTY

EQPAC MC 14 CRS 214 TT013-69 18 NOV. 1992

DISTRIBUTION of CORES

C1	paleo	5	organics
2	trace metals (ReMoU)	6	phaeopigments
3	microbiology	7	organics
4	radionuclides	8	barite

DESCRIPTION of CORES

C1 TW clear. Surface mostly even. Some topography with Xenos, 2 tubes, and forams. Burrow hole exiting in surface in small mound. Much phytodet. on surface. Burrow hole at 4, 7cm down. Top mud even brownish beige 13cm thick. Middle beige & pale mottled 15cm. Bottom brown, beige, & pale mottling, some vertical streaks. Total 30-31.5cm.

C2 TW very clear. Surface even. Surface covered with much greenish phytodet. Bushy branching foram on surface 1.5cm wide, 1cm high. Top mud even brownish beige 14cm. Middle mostly beige, some pale mottling, 11cm thick. Bottom mostly greenish brown with beige & paler mottling. Pistachio streak from base, 13cm long, 2cm wide at base, tapering. Total 30.5-31.5cm.

C3 TW clear. Surface level, low. Much green flocculent material on surface. At 5mm down is 5mm diameter patch of phytodet. 5mm hole in surface, as burrow down to 6cm. Low mound on surface. Total 26.5cm.

C4 TW clear. Some dips and mounds on surface. Surface with much greenish phytodet. A few pieces worked 3mm into sediment. Top mud even brownish beige 13cm thick. Middle mottled beige and pale 11cm. Bottom mostly gray-brown with beige and pale mottling, some vertical white streaking (one 8cm long, 1cm wide). Total 31.5cm.

C5 TW very clear. Surface mostly even, some low dips. Surface covered with much greenish phytodet. Two small holes in surface. Burrow hole 2cm down. Burrow trace 3cm down. Top mud even brownish-beige 13cm thick. Middle mostly beige, some pale mottles, 12cm thick. Bottom mostly dark brown, some beige mottling. Total 31-32cm.

C6 TW very clear. Surface even. Surface covered with much greenish phytodet. Burrow on surface near side. Burrow hole at 4.5cm [illegible]. Burrow trace from 1.5cm down, exit to surface. Top even brown beige 8cm thick. Middle mostly beige, some paler mottles, 18cm. Base evenly beige, pale, brown mottling 3cm. Total 29cm.

C7 TW very clear. Surface with dips and valleys and mounds. Difference of 1/2cm. Surface covered with much phytodet. Some phytodet. worked 1cm into sediment. Broken pieces on ?Xeno along one edge. Top mud even brownish beige 7cm thick. Middle mottled mostly beige with paler mud, 18cm. Bottom evenly mottled brown, beige & pale. Total 31.5-32cm.

C8 TW clear. Surface even. Surface covered with mich phytodet. Large Xeno on surface 2.5cm high, 3cm wide, 3mm thick. Burrow holes at 6.5 & 6.5cm. Burrow system and holes at 3-5cm. Top mud even brownish beige 12cm. Bottom mostly beige, some paler mottles, a few brown mottles near base. Total 30-31.5cm.

DISTRIBUTION of CORES

C1	organics
2	microbiology/meiofauna
3	radionuclides
4	phaeopigments
5	radionuclides - long term
6	radionuclides
7	radionuclides
8	microbiology/paleo

DESCRIPTION of CORES

C1 TW very clear. Surface covered with much green phytodet. [illegible] phytodet. worked 5mm into sediment. Small burrow hole in surface. Burrow trace exiting to surface from 4cm down. Top mud even brownish beige 12cm thick. Middle mostly beige, some paler mottles 11cm. Bottom gray-brown mud with beige and pale mottling. 2 vertical white streaks from base 11cm up, 1.3 and 3cm wide at base. Total 31.5cm.

C2 TW very clear. Surface even. Covered with much green fresh phytodet. Worm tube near one edge 2cm high, 1cm wide. [illegible] phytodet. worked into sediment in 3 places, 1cm down, [illegible] wide. Some small holes on surface. Top mud even brownish beige 10cm thick. Middle mostly grayish beige with paler mottling 16cm thick. Bottom gray-brown with beige and pale mottles and vertical streaking 6cm. Total 30.5-31.5cm.

C3 TW turbid. Surface even. Surface covered with much phytodet. Burrow hole at 10cm. Trace from 3cm down. Large burrow hole filled with full green phytodet. 5cm wide, 5cm high. Green portion 2cm diameter. Top mud even brownish beige 9cm thick. Middle mostly beige, some paler mottles 25cm thick. Bottom gray-brown, beige, & pale mottling. Some white vertical streaks. Total 30cm.

C4 TW very clear. Surface with mound on one side 1.5cm high. ?Agglutinated foram on surface 1.6cm long. 1cm high. Much green phytodet covering surface 5mm thick. Some worked 5mm down into sediment. Burrow trace system exiting to surface from 2.5cm down. Burrow hole at 9.5cm down. Top even brownish beige 12cm thick. Middle beige with pale mottling 16cm thick. Band of gray-brown mud with paler streaks, 27cm down [illegible] thick. Below beige and pale mottling. Total 33.5-35cm.

C5 TW clear. Surface even. Surface with some phytodet. A few small holes in surface and some pale mounded material. Burrow trace from 1cm down exiting to surface and filled with forams . Burrow holes together at 2, 2.5, 4cm down. Top even brownish-beige 13cm thick. Middle mostly beige with some paler mottling 14cm thick. Bottom gray-brown mud with mottles and vertical streaks beige and pale. Total 32cm.

C6 TW very clear. Surface mostly even. Dip of 1cm above a burrow hole 2.5cm down. Much green phytodet., some dark green on surface, esp. collected in dips. Many small holes in surface. Some paler reworked sediment on surface. Tube sticking up fr surface 1cm high, 4mm wide. Top mud even brownish-beige thick. Middle beige, some paler mottling 10cm. Bottom gr beige with paler mottling. Total 27cm.

C7 TW very clear. Surface mostly even, some dips of 1cm. Surface covered with much fresh green phytodet. Small holes in surface. Small ?foram sticking up 1/2cm near edge . Top mud even brownish-beige 12cm. Middle mostly beige, paler streaks running up from base, a few mottles, 10cm thick. Band 4cm wide of gray-brown mud with white vertical streaks. Below, beige with bases of vertical streaks. Total 32.5-33cm.

C8 TW ?clear. Some phytodet. Total ?

EQPAC MC 16 CRS 218 TT013-77 20 NOV. 1992

DISTRIBUTION of CORES

C1	NO GOOD
2	organics
3	phaeopigments
4	radionuclides - long term
5	pore water - whole core squeeze
6	radionuclides
7	radionuclides
8	pore water - centrifuge

DESCRIPTION of CORES

C1 Short. Water drained out. 11cm even color beige-brown mud.

C2 TW slightly turbid. Surface even, slight slant of 1/2cm. [illegible] phytodet. on surface. Burrow trace from surface 2.5cm down. Top mud mostly even color beige-brown, 2 pale patches, 13cm thick. Middle mostly brownish with a few pale mottles, 12cm thick. Bottom even pale mud 3cm. Total 20.5cm.

C3 TW clear. Surface slanted 1cm. Much loose phytodet. fluff, brownish green. Burrow hole 3cm down. Burrow trace from surface to 2cm down. Top mud even beige-brown 15cm thick. Middle evenly mottled beige, brownish, pale, 14cm. Bottom even pale mud 8cm. Total 33-34cm.

C4 TW slightly turbid. Surface slant of 1cm. Surface with some loose phytodet. on surface. Burrow trace with some phytodet. inside, 2cm down, 1.5cm long. Some dark green mucous balls. Top mud even beige-brown 12cm thick. Middle grayish brown, beige & pale mottling 15cm. Bottom even pale mud 8cm. Total 33-34cm.

C5 TW clear. Surface even. Surface with much phytodet. Short burrow traces from surface to 1/2cm down, with forams in trace. Top mud even beige-brown 13cm thick. Middle gray-brown with beige mottling 16cm. Bottom even mostly, pale carbonate mud. Total 33cm.

C6 TW clear. Surface even. Much loose phytodet. on surface, greenish brown. Some worked down into sediment 4mm. Top mud even beige-brown 13cm thick. Middle gray-beige, beige, & pale mottled 16cm. Bottom even pale mud 3cm. Total 32cm.

C7 TW clear. Surface even. Surface with some greenish brown phytodet. Some worked down 6mm into sediment. Top mud even beige-brown 16cm thick. Middle mostly beige, some paler mottles, 10cm. Bottom even pale mud 2cm thick. One patch of white mud 5cm up from base, 4cm wide. Total 30.5cm.

C8 TW clear. Surface even. Very large undulating Xeno on surface 3cm high, 7cm long, 4cm wide. Much phytodet. on surface, greenish. Burrow hole at 1.5cm down. A little bit of phytodet. worked into sediment 5mm. Top mud even beige-brown 11cm. Middle evenly mottled beige and paler, 17cm. Bottom pale mud. Total 34cm.

EQPAC MC 17 CRS 221 TT013-82 21 NOV.1992

DISTRIBUTION of CORES

C1	microbiology	5	radionuclides
2	pore water - whole core squeeze	6	paleo
3	phaeopigments	7	organics
4	barite	8	pore water - centrifuge

DESCRIPTION of CORES

C1 TW clear. Surface with 7mm depression near side. Lots of flocculent material, esp. in depression. Patches of carbonates starting at 16cm down. Total 30cm.

C2 TW clear. Surface even. Surface with much phytodet., greenish. Some worked 3mm into sediment. Burrow hole at down. Top mud even color beige-brown 14cm thick. Middle gray-beige and beige mottled 12cm thick. Bottom pale, even color, 7cm. Total 32cm.

C3 TW very clear. Surface even. Covered with much greenish phytodet. One small hole in surface, in center of mound 1cm diameter. Burrow trace from surface, with forams and phytodet. 8mm down. Top mud even beige-brown color 13cm thick. Middle gray-beige, beige, pale mud mottled evenly 14cm thick. Bottom pale mud, even, 5cm. Total 32.5cm.

C4 TW clear. Surface with dip on one side, 2cm lower - exit of burrow. Some loose phytodet. on surface. One small tube sticking up 5mm from surface. Top mud mostly even beige-brown, with 2 pale spots in layer, 13cm thick. Middle mottles gray, gray-beige, and pale mud 13cm. bottom pale, mostly even color 8cm. Total 30-34cm.

C5 TW clear. Surface even. Surface covered with much greenish phytodet. 4mm thick. Middle gray-beige and beige streaked, 11cm thick. Bottom pale, with some beige mottles. Total 30cm.

C6 TW clear. Surface with dip of 1cm, with tube or tube-like foram sticking 2cm up from surface. Some loose greenish phytodet. A little worked into sediment. A few stick forams 0.5cm out of surface. Top mud even beige-brown 12cm thick. Middle gray-brown even color with some beige and pale mottling. Bottom mottled pale and beige 4cm. Total 26cm.

C7 TW slightly turbid. Surface even. Some brownish phytodet. on surface. One area of phytodet. worked 1cm down into sediment, 3cm wide. Top mud even beige-brown 17cm thick. Middle evenly mottled gray-beige, beige, and white 10cm thick. Bottom pale, even color 3cm. Total 34.5cm.

C8 TW slightly turbid. Surface mostly even. Only a few mucous balls loose on surface. Burrow traces at 1cm & 3cm down. Top mud even color, beige-brown 15cm thick. Middle evenly mottled gray-beige and beige 15cm. Bottom pale mud, mostly even, a few beige mottles 6cm thick. Total 31-31.5cm.

EQPAC MC 18 CRS 223 TT013-88 21 NOV. 1992

DISTRIBUTION of CORES

C1	meiofauna
2	pore water - whole core squeeze
3	paleo
4	paleo
5	barite
6	radionuclides
7	paleo
8	pore water - centrifuge

DESCRIPTION of CORES

C1 TW somewhat turbid. Surface even, smooth, possibly re-suspended & resettled. A few mucous ball. One clump 1cm diameter. Burrow trace from surface to 2cm down. Top mud even beige-brown 13cm thick. Bottom mottled pale and beige. Total 21cm.

C2 TW slightly turbid. Surface even. Surface with some loose flocculent material, brownish. Burrow hole at 13cm down. Small trace at 1/2cm down. Top mud even beige-brown 13cm. Middle mottled gray-beige and pale 11cm. Bottom streaky gray, beige and pale. Total 28cm.

C3 TW slightly turbid. Surface uneven - mounds & valleys, difference of 2cm. Very little loose material on surface, brownish. One Xeno/foram 7mm high. Burrow hole to surface from 1cm down. Burrow traces at 8,11cm down. Top mud even beige-brown 14cm thick. Middle mottled gray, pale, beige 14cm. Bottom pale, some beige mottling 3cm. Total 34-36cm.

C4 TW slightly turbid. Surface mostly even, some low microstructure, valleys. Some brown loose flocculent material. Burrow hole at 3.5cm down. Top mud beige-brown, even color 12cm thick. Middle mottled gray, pale. white, beige, 17cm. Bottom pale 2cm. Total 33-34cm.

C5 TW somewhat turbid. Surface even. Some brownish loose flocculent material on surface. Burrow holes at 5 and 9cm down. Top mud even color beige-brown 14cm thick. Bottom evenly mottled gray, beige, pale. Total 33cm.

C6 TW slightly turbid. Surface with some low topography. Surface with a little loose brown material. One larger loose clump 1cm diameter. Parts of surface look re-suspended with a layer 5mm thick, darker, some forams mixed in. Burrow holes at 2 and 4cm down. Top mud even beige-brown 14cm thick. bottom mottled beige, gray, pale. Total 31-32cm.

C7 TW slightly turbid. Surface with 1cm slant. Surface with much loose brown flocculent material. Burrow trace from surface to 1cm down. More traces at 1.2 and 7cm down. Top mud even color beige-brown 17cm thick. Middle mottled gray, brown, beige pale 15cm. Bottom pale/white 2cm. Total 33.5-35cm.

C8 TW somewhat turbid. Surface with some dips of 1/2cm. At one dip is piece of Xeno/foram sticking out of mud with dark mud around it. Only a few mucous balls on surface. Burrow trace at 11.5cm down. Top mud mostly even beige-brown 15cm thick. Bottom mottled gray, beige, pale. Total 31-31.7cm.

EQPAC MC 19 CRS 225 TT013-93 24 NOV. 1992

DISTRIBUTION of CORES

C1	microbiology	5	organics
2	organics	6	paleo
3	radionuclides	7	radionuclides
4	radionuclides	8	phaeopigments

DESCRIPTION of CORES

C1 TW very clear. Surface with 5mm slope. Lots of green phytodet. Burrow down to 3cm.

C2 TW clear. Surface even. Much greenish phytodet. covering surface 4mm depth. Top mud even color beige-brown 13cm thick. Middle fine streaking mostly gray mud, some beige 12cm. Bottom pale even color 2cm. Total 29cm.

C3 TW very clear. Surface even except for small mound 5mm high of pale mud, 3cm diameter. Surface covered with 4-5mm greenish phytodet. Small burrow hole in surface. Top mud even light brown 15cm thick. Middle gray, beige, pale streaked and mottled 13cm. Bottom pale and white mottled, mostly pale 5cm. Total 33.5cm.

C4 TW very clear. Surface mostly even, some low dips and mounds. Some small burrow holes in surface. Much phytodet covering surface. Some phytodet. worked down 5mm. Stick foram 1/2cm high. Burrow traces parallel just 5mm under surface with forams & some phytodet 10cm along side. Burrow traces 2.5 and 11cm down. Top mud even light brown 13cm. Middle mottled gray,beige 11cm. Band of white mud at 24cm down, 3cm thick. Bottom pale, some white and beige mottles 6cm. Total 35cm.

C5 TW very clear. Surface mostly even, some low topography, dips and mounds. Surface with much greenish phytodet. ?Xeno 3cm high, flat 1.5cm widest. Small tube near edge. 2 burrow traces at 11cm down. Top mud even light brown 14cm thick. Middle mostly gray & beige mottled and streaked 16cm. Bottom pale mud, mottled with white 4cm. Total 33cm.

C6 TW very clear. Surface mostly even; some low topography with small mounds. Surface covered with fresh greenish phytodet. 4mm thick, little worked into sediment 6mm. Burrow trace with forams to surface from 1.5cm down. Top mud light brown, even color 13cm thick. Middle mostly gray, some beige & pale mottling and streaking 13cm. Bottom mostly even pale 5cm. Total 33-33.5cm.

C7 TW very clear. Surface with much phytodet. around sides. Some worked into sediment 1cm, 1cm, 6mm, 4mm. Burrow hole in surface. Top mud light brown, even color 16cm. Middle gray, beige streaked 11cm. Partial band, or huge old filled burrow, white mud, 25cm down, 15cm long, 2cm wide. Bottom 5cm thick, even pale mud. Total 35cm.

C8 TW very clear. Surface even except for mound 3.5cm wide, 7mm high, with hole in center, of pale mud like bottom layer. Possible ?sponge or tube sticking up out of mud 1cm long, 7mm high. Surface covered with much fresh greenish phytodet. some worked into sediment 6mm. Burrow trace from surface, with forams inside, to 1cm down. Top mud even beige-brown 19cm. Middle gray, beige mottles & streaked 11cm. Bottom pale, mostly even colored, some white & beige mottles. Total 33cm.

EQPAC MC 20 CRS 227 TT103-997 24 NOV. 1992

DISTRIBUTION of CORES

C1	NO GOOD
2	NO GOOD
3	NO GOOD
4	trace metals - ReMoU
5	microbiology/radionuclides
6	phaeopigments
7	paleo
8	radionuclides

DESCRIPTION of CORES

C1 EMPTY

C2 EMPTY

C3 EMPTY

C4 TW clear. Surface with some dips and mounds, 1/2cm difference. Surface with much greenish phytodet. along sides and in hollows. Small mound of paler mud 3cm diameter. Bushy foram, ?agglutinated, 1cm high, 6cm wide at top. Burrow trace 2.5cm down. Top mud even light brown 13cm thick. Middle mottled gray-beige, beige, and pale 14cm. Bottom pale mud mottled with beige 6cm. Total 33.5-34cm.

C5 TW very clear. Surface even except for low mound 1cm [illegible] (Phytodet. "fluff" removed by Dobbs). Some burrow traces 1/2cm parallel under surface. Top mostly even color light brown, 11cm thick, with some dark gray streaky patches. Middle mottled beige, pale, grayish 13cm thick. Bottom pale. Total 31cm.

C6 TW very clear. Surface mostly even, some low topography. Surface with much phytodet. esp on sides. One big dark green clump 2.5cm x 1cm. Burrow hole on surface with pale mud surrounding. Burrow trace from surface filled with forams 1.5cm down. Below at 3cm down is larger burrow trace. Trace at 7mm down. Top mud even color light brown 14cm thick. Middle gray, gray-beige, beige mottling 14cm. Bottom white even color 6cm thick. Total 31.5-32cm.

C7 TW clear. Surface with mounds and dips, 1cm difference. Tube 1.5cm high, 6mm wide next to side, mounded sediment around it. Some phytodet. worked into sediment 8mm. Top mud even light brown 13cm thick. Middle beige and pale mottled 14cm. Bottom white, some beige mottling 4cm. Total 32-33cm.

C8 TW very clear. Surface even. Surface with much phytodet. esp along sides, but also covering surface. Some dark phytodet. balls. Vertical burrow trace from 1 to 3.5cm down. Trace adjacent at 3.5cm down. Y-shaped trace from surface to 1.5cm down. Trace at 10cm down. Top mud mostly even light brown 12cm thick. Middle mostly gray-beige, with beige and pale mottling 12cm thick. Bottom pale and beige mottled. Total 31.5cm.

DISTRIBUTION of CORES

C1	phaeopigments
2	radionuclides
3	meiofauna
4	organics
5	macrofauna
6	radionuclides
7	radionuclides

DESCRIPTION of CORES

C1 TW clear. Surface mostly even, slant of 1cm. Much brownish green phytodet. covering surface. A little worked into sediment 6mm. Burrow hole at 3.5cm down; foram-filled trace above it exiting to surface from 1cm down. Top mud even light brown 12cm thick. Upper middle mostly gray 5-8cm thick. Lower middle mottled mostly beige and pale 5cm thick. Bottom pale, some white patches 5cm. Total 32.5-33.5cm.

C2 TW clear. Surface mostly even, a little low topography 1/2cm high. Surface covered with much brownish green phytodet. Some phytodet. worked down 1cm. Burrow hole at 4cm down. Top mud even beige-brown 11cm thick. Upper middle streaky beige and gray 10cm. Lower middle mostly beige, some pale mottles, 9cm. Bottom pale and white mottled 5cm. Total 31.5-32.5cm.

C3 TW clear. Surface even. Large Xeno (brain-like) on surface 5cm long, 3cm high, 4.5cm wide. Large burrow mound, under and adjacent to Xeno, with 4 holes, and pale sediment around it. Xeno burrow mound 3.5cm wide, 1cm high. Some greenish phytodet. esp along edges and in hollows, esp near Xeno. Top mud even light brown 13cm thick. Upper middle even gray-beige 5cm thick. Lower middle even mottled beige, pale, gray-beige 10cm. Bottom even pale 4cm. Total 31.5cm.

C4 TW clear. Surface mounded on one side from large burrow holes below. Mound 1.5cm high, 10cm along side. Mound covering half of surface. Some greenish brown phytodet. on surface. 3 burrow holes: a. 3cm down, 1.3cm high, 1.2cm long b. 5.5cm down, 1.3cm long, 9mm high c. 8cm down, 2.5cm long, 6mm high. Trace at 9.5cm down. Top mud even light brown 11cm thick. Middle mottled beige, gray-beige, pale 14cm. Bottom pale and white 4cm. Total 32-33.5cm.

C5 TW very clear. Surface with big depression with burrow hole in center and large burrow holes 3cm down below it. Surface with 3cm difference in height. Little phytodet. on surface. Small Xeno in center of depression. Top mud mostly even light brown, but one side with much pale mottled reworked patches 12cm thick. Middle mottled gray, beige, pale, gray-beige 13cm. Bottom even pale 5cm. Total 28.5-31.5cm.

C6 TW very clear. Surface even mostly. Small mound of pale sediment 6cm along one side, 5mm high. Clump in center - Xeno? agglutinated foram? Much phytodet. along sides. Burrow traces at 6 & 7.5cm down. Top mud even light brown 13cm thick. Middle streaky gray, beige, pale with some pale mottles 11cm. Bottom pale & white mottled 3cm. Total 29.5cm.

C7 TW clear. Surface even. Much brownish green phytodet. on surface, esp near edges & in hollows. A few small mounds on surface 1/2cm high. Burrow trace at surface with phytodet worked in 1/5cm wide, 5mm deep. Trace at 2cm down. Top mostly even light brown, a few pale mottles 13cm. Middle evenly mottled gray, beige,pale 15cm. Bottom pale 3cm. Total 33.5cm.

C8 EMPTY

DISTRIBUTION of CORES

C1	phaeopigments
2	pore water - whole core squeeze
3	radionuclides
4	pore water - centrifuge
5	barite
6	organics
7	paleo
8	microbiology/silicate temperature exp.

DESCRIPTION of CORES

C1 TW slightly turbid. Surface even. With some loose brown flocculant material. Some burrow traces from surface to 1cm down. One piece phytodet. worked into sediment 3mm. Top mud even color coffee au'lait brown 8cm thick. Upper middle mottled brownish & beige 7cm. Lower middle even pale beige 12cm. Bottom pale brown, some white mottles. Total 34cm.

C2 TW slightly turbid. Surface mostly even. A few loose mucous balls. Burrow trace 6mm down. Top mud even light brown 10cm thick. Middle pale beige with some white patches, 16cm thick. Bottom pale brown even color 9cm. Total 34cm.

C3 TW slightly turbid. Surface even. Some loose brownish mucous balls. Sediment mound/clump 2cm diameter, 4mm high. Burrow trace at 5cm down. Top mud even light brown 8cm thick. Upper mud mottled brownish, beige, pale, 8cm. Lower middle pale beige 10cm. Bottom even pale brown. Total 33cm.

C4 TW slightly turbid. Surface even. A few loose mucous balls. burrow hole at 3.5cm down, with trace leading 2cm towards surface. Trace at 3cm down. Large burrow hole with system going down into core. Hole is 7cm down, 2.5cm long, 1cm high; system runs to 14cm below hole. Much pale mud (leading up to surface) around trace & hole. Top mud light brown except for burrow patches, 8cm thick. Upper middle mottled brownish, beige, pale, 7cm. Lower middle even pale 10cm. Burrow pale brown even color 5cm. Total 29.5cm.

C5 TW clear to slightly turbid. Surface with large mound, covering 2/3 of surface, of browner coarser sediment than rest of surface. Small tube 4mm high. A few mucous balls. Burrow trace to surface, foram-filled, from 1cm down. Burrow hole at 3.5cm, with foram-filled trace down 5cm below. Trace at 6.5cm down. Top mud even brown 8cm thick. Upper middle mottled beige & brownish 8cm. Lower middle even pale 12cm. Bottom mottled beige, pale, white 5cm. Total 30.5-31.5cm.

C6 TW slightly turbid to clear. Surface even, except for flat (?dead) Xeno 4cm x 3cm, 5mm high lying on surface. Some loose brown flocculent material. Burrow trace at 3cm. Hole at 15.5cm, with trace leading up towards surface for 14cm. Top mud mostly even coffee-brown 9cm thick. Upper middle mostly brownish, streaks and mottles of beige & pale 6cm. Lower middle mostly even pale beige, some white mottles 7cm. Bottom mottled white & beige 8cm. Total 30cm.

C7 TW slightly turbid. Surface with dips and mounds 1.5cm difference. Large Xeno on surface, 5cm long, 2.5cm high, 8mm wide. Some loose brown flocculent material. Burrow hole at 1.5cm down. Top mud even coffee-brown 11cm thick. Middle mostly pale beige, some white mottles 12cm. Bottom even pale brown 7cm. Total 32.5cm.

C8

EQPAC MC 23 CRS 232 TT013-108 27 NOV. 1992

DISTRIBUTION of CORES

C1	pore water - centrifuge
2	pore water - whole core squeeze
3	phaeopigments
4	radionuclides
5	NO GOOD
6	NO GOOD
7	NO GOOD
8	NO GOOD

DESCRIPTION of CORES

C1 TW very clear. Surface even. A little loose brownish material on surface. One clump 8mm diameter - ?foram. Burrow trace 2.5cm down. Top mud even coffee brown 6cm thick. Upper middle mostly coffee brown, some pale mottles 5cm. Lower middle mottled pale beige & white 15cm. Bottom light beige, mostly even. Total 30cm.

C2 TW clear. Surface even. 2 holes in surface. A few loose mucous balls. Large burrow trace surrounded by beige mud, exiting at surface into low mound 4mm high, from 4cm down. Top mud even color light brown 6cm thick. Middle mottled beige, pale, light brown 12cm. Bottom mostly pale beige with a few white mottles 9cm thick. Total 28cm.

C3 TW very clear. Surface mostly even, but with clump 8mm [illegible] greenish material. Large hole on surface with much pale [illegible] re-worked from sediment near bottom of core tube. Top mud even light brown 6cm thick. Upper middle mottled brownish, beige, pale 8cm. Lower middle pale gray and beige with white mottles 9cm. Bottom light beige 4cm. Total 29.5cm.

C4 TW very clear. Surface even. Much pale greenish brown phytodet. along sides and in hollows. A few small holes in surface. Top mud even light brown 8cm thick. Upper middle mottled and streaked beige, light brown, pale 6cm. Lower middle pale beige, almost white, even color 12cm. Bottom even beige 6cm. Total 32.5cm.

C5 EMPTY

C6 EMPTY

C7 EMPTY

C8 EMPTY

EQPAC MC 24 CRS 235 TT013-112 28 NOV. 1992

DISTRIBUTION of CORES

C1	radionuclides
2	phaeopigments
3	radionuclides
4	organics
5	microbiology
6	trace metals - ReMoU
7	organics
8	paleo

DESCRIPTION of CORES

C1 TW very clear. surface even. A few mucous balls on surface. Foram-filled burrow trace, vertical from 1.5cm down to 3cm. Top even coffee-brown color 7cm thick. Upper middle mottled beige, pale, light brown 4cm. Mid-middle ash white to pale beige 11cm. Lower middle mottled pale beige, white, beige 8cm. Bottom brownish and beige mottled 3cm. Total 32cm.

C2 TW clear. Surface with mound on one side 1cm high. Some phytodet. and mucous balls on surface. Burrow trace from surface to 6mm down. Small hole on surface. Top mud even light brown 7cm thick. Middle mostly pale ash color, a few white mottles 23cm. Bottom brownish and white mottled 3cm. Total 32.5-33.5cm.

C3 TW clear to slightly turbid. Surface with mound through middle 5cm wide, 1cm high. Some mucous balls on surface. Top even coffee-brown color 7cm thick. Upper middle mottled beige, pale brownish 5cm. Lower middle ash-beige, even color, a few white patches near base 13cm. Bottom even pale brown. Total 30-31cm.

C4 TW clear to slightly turbid. Surface even. Surface with much brownish green phytodet. along sides. Burrow hole at 9.5cm down, trace at 5cm. Top mud even light brown 5cm thick. Middle mostly pale, some beige and white mottles and streaks 19cm, with 2 round pale patches 2cm and 3cm diameter. Bottom brownish and white mottles 5cm. Total 32.5cm.

C5 TW

C6 TW clear. Surface mostly even. Mound along one side 1/2cm high. Some loose greenish brown flocculent material along sides. Hole in surface. Burrow trace system with forams and phytodet. just 1cm under surface, 2.5cm long. Burrow hole at 2cm down, under system. Top mud even coffee-brown 7cm thick. Upper middle mottled beige and pale 7cm. Lower ash-beige mostly even 12cm. Bottom yellowish brown and white mottles 5cm. Total 31.5-32cm.

MC 24 contd.

C7 TW clear to slightly turbid. Surface mostly even, some mounds. Some loose flocculent material on surface, esp along sides. Loose brown "thing" (?worm) on surface. Top mud even coffee-brown 9cm thick. Middle mostly ash-beige, some beige & pale mottles and streaks at top and bottom 16cm. Bottom brownish and white mottles 3cm. Total 32-33cm.

C8 TW clear. Surface with some mounds, 1cm difference. Large burrow hole in surface 1.2cm long. Another small hole nearby. Foram-filled burrow trace from surface mound to 3cm down. Top mud light brown, even color 8cm thick. Upper middle beige and pale mottled 7cm. Lower middle ash-white, pale beige, a few white patches, 14cm (ash-white is a band near upper end [illegible] from surface, 5cm thick). Bottom brownish and beige mottled 3cm. Total 33.5-34.5cm.

EQPAC MC 25 CRS 236 TT013-113 29 NOV.1992

DISTRIBUTION of SAMPLES

C1	meiofauna
2	pore water whole core squeeze
3	paleo
4	paleo
5	paleo
6	radionuclides
7	pore water - centrifuge
8	macrofauna

DESCRIPTION of CORES

C1 TW turbid. Surface even. A few mucous balls on surface. Foram-filled burrow trace from surface, puffing a little sedi[illegible] when core moved, 1cm down. Some holes in surface. Top m[illegible] coffee-brown 11cm thick. Bottom mostly brown, some pale mottles. Total 15cm.

C2 TW clear to slightly turbid. Surface even. A few mucous balls. Four burrow holes in surface. Large burrow hole 3cm down, 4.5cm long, 5mm high. Burrow traces at 2.5 & 5cm down. Top mud even coffee-brown 9cm. Middle gray with some white mottling, esp. band 5mm thick near top of middle,11cm thick. Bottom mottled beige and pale, mostly pale. Total 29cm.

C3 TW very clear. Surface mounded up on one side from mound 2cm high. 2 small holes in surface. Burrow hole from surface to 1cm down. Some loose mucous balls. Burrow trace from surface to 4.5cm down. Holes at 1.5cm down. Top mud mostly even coffee-brown 12cm. Middle even gray 6cm. Bottom mottled beige, pale and light brown 12cm. Total 30-32.5cm.

C4 TW clear. Surface with much topography, mounds & valleys. Burrow hole in center of one of depressions, 1cm deep. Heavily burrowed - series of 4 holes around core tube at 4cm down, one 5.5cm long, 7mm high. Foram-filled burrow trace from sur[illegible] 9cm down, 1cm wide at surface. Top mud even gray-brown [illegible] Upper middle grayish brown, streaky with beige 7cm thick. Lower mottled beige & pale 10cm. Bottom mostly even pale beige 2cm. Total 31.5-32cm.

C5 TW clear. Surface with slant of 1cm because of mounds on sides. Some brown loose flocculent material. 3 holes in surface. Burrow trace from surface to 1.5cm down. Many white forams scattered on surface. Burrow trace at 7cm down. Top mud even coffee-brown 13cm. Middle mostly gray near top, rest mottled beige & pale, becoming paler deeper 16cm. Bottom pale beige 2cm. Total 33.5-34.5cm.

C6 TW clear to slightly turbid. Surface slant of 1.5cm from mound (of lighter sediment) on side, with 2 holes in mound. Some loose brown flocculent material. 2 burrow holes at 4cm down, one 1cm long, 6mm high; other 1cm long, 4mm high. Top mud even coffee-brown 13cm thick. Middle grayish streaky with beige 7cm. Bottom mottled beige and pale. Total 30-31.5cm.

C7 TW clear to slightly turbid. Surface mostly even. Some loose brown flocculent material on surface. Foram-filled burrow trace 6mm down. Burrow hole 4cm down, 1.3cm long. Another hole at 5cm down. Top mud even coffee-brown 15cm thick. Middle gray streaky with beige 6cm. Bottom mottled beige, pale, light brown 13cm. Total 34.5cm.

C8 TW turbid. Surface even. There was gap of apprx. 10cm from 9cm down. Very heavily burrowed near surface to 2.5cm down, probably at gap, and continuously below gap for 10cm. Extensive foram-filled trace area 4cm wide, 6cm deep. Top mud even coffee-brown 10cm thick. Middle even gray-brown 8cm. Bottom mottled beige, pale, light brown 9cm. Total without gap 24cm. With gap total was apprx. 34cm long.

EQPAC MC 26 CRS 238 TT013-117 30 NOV. 1992

DISTRIBUTION of CORES

C1	NO GOOD
2	NO GOOD
3	NO GOOD
4	NO GOOD
5	NO GOOD
6	meiofauna
7	gamma count (radionuclides)

DESCRIPTION of CORES

C1 EMPTY

C2 TW drained. surface was eve, except at one side where [illegible] drained. Top mud gray-brown streaks and mottles. Total [illegible].

C3 EMPTY

C4 TW turbid. Surface uneven and slumped to one side, where there is big gap (gaps) to base. Possibly from burrow? Top mud gray-brown 6cm thick. Bottom mottled beige, pale, brown. Total 9-12cm.

C5 EMPTY

C6 TW drained, out gaps along side burrow? Surface was even. Burrow trace foram-filled from surface diagonal down to 2cm. Half circle foram-filled 3.5cm long. Another foram-filled trace from surface to 3cm down. Top mud gray-brown 8cm thick. Bottom mottled brown, beige, pale. Total 14.5cm.

C7 TW somewhat turbid. Surface even, except slant of 1/2cm. Burrow holes at 2cm & 9cm down. Some loose brown floc[illegible] material. Top mud gray-brown 9cm thick. Bottom streaked [illegible] and beige. Total 14.5cm.

C8 TW turbid. Surface even. A few mucous balls on surface. Bubbles were ascending as core tube was still on MC frame. Possible burrow trace at 5cm. Top mud gray-brown 5cm thick. Bottom mottled beige and pale. Total 14.5cm.

EQPAC 27 CRS 240 TT013-122 30 NOV. 1992

DISTRIBUTION of CORES

C1	organics
2	radionuclides
3	paleo
4	phaeopigments
5	organics
6	radionuclides
7	microbiology
8	NO GOOD

DESCRIPTION of CORES

C1 TW somewhat turbid. Surface even but slanted 1/2cm. Surface smooth. A few mucous balls. Top mud gray-brown 8cm thick. Upper middle streaked and mottled brown and beige 7cm. Lower middle ash-gray with some pale mottles 15cm. Bottom beige. Total 33cm.

C2 TW turbid. Surface even, smooth. No sign of flocculent material. Top mud even gray-brown 7cm thick. Upper middle beige and gray-brown mottled 4cm. Lower middle ash-gray, some pale mottles 11cm. Bottom mostly beige, one white patch 5cm. Total 28.5cm.

C3 TW somewhat turbid. Surface even, smooth. Re-sedimentation of 6mm on part of surface. Top mud even gray-brown 8cm thick. Middle mostly ash-gray 15cm, some white patches at lower end of layer. Bottom mostly beige 7cm. Total 33cm.

C4 TW turbid. Surface with mound along one side 1cm high. Surface smooth; a few mucous balls. A number of small burrow holes clustered 1cm under surface. Top mud even gray-brown 8cm thick. Middle ash-gray, a few white patches 17cm. Bottom beige, with white mottles at base 9cm. Total 31.5-33cm.

C5 TW somewhat turbid. Surface even. A few loose mucous balls. stick foram. Possible tube 1.2cm out of mud, 5cm wide, with burrow system underneath to 11cm. Top mud even gray-brown 10cm thick. Middle mostly ash-gray except at burrow system where brown mud is brought down and white mud is brought up. Bottom beige and white mottled 5cm. Total 30cm.

C6 TW somewhat turbid. Surface even. Some large burrow holes on surface. Some loose flocculent material.Foram-filled burrow trace from surface to 2cm down. Another foram-filled trace 1.5cm down, 2cm long. Top mud even gray-brown 7cm. Bottom mottled beige, pale, gray. Total 25cm.

C7

C8 EMPTY

EQPAC MC 31 CRS 244 TT013-127 1 DEC. 1992

DISTRIBUTION of CORES

C1	phaeopigments
2	radionuclides
3	organics
4	radionuclides
5	microbiology/????
6	phaeopigments
7	organics
8	radionuclides - long term

DESCRIPTION of CORES

C1 TW clear. surface even. Much greenish phytodet. along sides. Burrow hole at 6.5cm down, with foram-filled trace lead down from surface. Branched ?foram along side, 1cm high. mud even coffee-brown 7cm thick. Upper middle mostly coffee brown, some beige mottles and streaks. Lower middle pale beige 8cm. Bottom beige 8cm. Total 27cm.

C2 TW clear. Surface mostly even. Much pale greenish phytodet. covering surface. Burrow trace foram-filled from surface to 1cm down. Top mud even gray-brown 11cm thick. Upper middle mottled and streaked mostly beige with pale 4cm. Lower middle mostly pale gray-beige, with pale and white mottles 9cm. Bottom beige with white mottles (round 2cm diameter) 7cm. Total 31.5cm.

C3 TW very clear. Surface with mound (same as in C4) 1cm high, 3.5cm wide, 10cm long. A little phytodet. along sides. A little worked 4mm into sediment. Burrow hole at 3cm down. Foram-filled trace from surface to 2cm down. Top mud even coffee-brown 12cm thick. Top layer streaking with beige into upper middle 5cm. Lower middle ash-gray 9cm. Bottom beige, white patches, pale mottles 10cm. One round white patch 3.5cm diameter. Total 32-32.5cm.

C4 TW very clear. Surface with long mound 1cm high, 4cm wide, 11cm long. 2 holes in surface (one at small mound 1.5cm diameter). Some phytodet., esp. on sides and in valleys. Burrow hole at 2.5 and 3cm down. Top mud even coffee-brown 10cm thick. Upper middle beige and brown streaked and mottled 7cm. Lower middle pale beige 11cm. Bottom beige with white burrow mottles 7cm. Total 31.5-32.5cm.

C5 TW clear. Surface slanted 3cm (probably same mound as in C6). (phytodet. removed by Dobbs). Burrow trace system foram-filled from surface (4cm wide) to 6cm down. Burrow traces at 9 and 11cm down. Top even coffee-brown 9cm. Upper middle evenly mottled brown, beige,& pale 5cm. Lower mostly pale beige 10cm. Bottom beige 5cm. Total 29.5-31.5cm.

C6 TW very clear. Surface slanted 2cm. Much phytodet. covering surface. Branching foram 1cm high; 1 tube or sponge 5mm high, 3mm wide. Chunk of phytodet. and forams worked into sediment 7cm deep and 1cm wide at surface. Top mud even gray-brown 10cm. Upper middle 7cm mottled brown and beige. Lower middle pale ash-beige 8cm. Bottom mostly beige, some pale mottles 6cm. Total 32.5-34.5cm.

C7 TW very clear. Surface even except for mound 5mm high, 2.5cm wide, 4.5cm long. Much pale greenish phytodet. along sides and in hollows; some worked 7mm into sediment in 3 places. Foram-filled burrow trace system to small hole from surface to 3cm down. Another foram-filled trace from surface to 3cm down. Hole at 3cm down. Top mud even coffee-brown 10cm thick. Middle even ash-beige 16cm. Bottom beige 7cm with large white bands 2cm wide. Total 33.5cm.

C8 TW clear. Surface even. Surface covered with greenish brown phytodet. fluff. Small mound on surface 1/2cm high. Foram-filled burrow trace 1/2cm wide under surface. (Small sponge 2cm long, and small nodule 1cm diameter found at apprx. 1cm down). Top mud even coffee-brown 10cm thick. Top mud streaking into middle, pale beige 15cm. Bottom mottled beige 9cm, with white filled burrows 2cm diameter. Total 34.5cm.

EQPAC MC 32 CRS 246 TT013-132 3 DEC. 1992

DISTRIBUTION of CORES

C1	NO GOOD
2	microbiology
3	organics
4	pore water - whole core squeeze
5	phaeopigments
6	pore water - centrifuge
7	radionuclides
8	NO GOOD

DESCRIPTION of CORES

C1 EMPTY

C2

C3 TW clear. Surface mostly even. Nodule on surface 3cm long, 1.5cm wide. Surface with loose brown flocculent material (not phytodet.). Extensive burrow system on 2 sides from surface to base and from 8cm to 22cm down. Top mud even gray-brown 9cm thick. Middle mottled gray-brown and coffee beige 12cm. Bottom coffee-beige and brownish 5cm. Total 26cm.

C4 TW clear. Surface even. Surface loose, but smooth. Burrow system from surface to 6cm down, 5cm along side. Another burrow trace system parallel to surface 2cm down. Top mud even gray-brown 10cm thick. Middle mottled coffee-beige and gray-brown 15cm. Bottom even coffee-beige 1cm. Total 27.5cm.

C5 TW slightly turbid. Surface with large burrow depression on one side, 5cm across, 1cm into surface, 3cm down from surface. Filled in trace continues down to 13cm. Bits of black near bottom of trace. Another hole parallel to surface 5cm down, 3.5cm long. Other traces scattered around core tube. Top mud even gray-brown 9cm thick. Middle coffee-beige and gray-brown 14cm. Bottom even coffee-beige 4cm. Total 28cm.

C6 TW slightly turbid. Surface even. Surface sediment very loose. A few clumps. No sign of phytodet. Burrow trace at 4cm. Top mud even gray-brown 13cm thick. Middle mottled gray-brown and coffee-beige 13cm. Bottom even coffee-beige 3cm. Total 28.5cm.

C7 TW slightly turbid. Surface slanted 1cm. Surface smooth, no phytodet. Huge burrow holes and traces #1: 6cm down, 2.5cm wide, 3cm high; #2: 2cm down, 5-8cm high, 12cm long. System 3cm down, 2cm high, 7cm long. Top mud even gray-brown 11cm thick. Middle mottled coffee-beige and gray-brown 13cm. Bottom coffee-beige 3cm. Total 27.5-28.5cm.

C8 EMPTY

EQPAC MC 53 CRS 248 TT013-135 4 DEC. 1992

DISTRIBUTION of CORES

C1	NO GOOD
2	pore water - whole core squeeze
3	paleo
4	macrofauna
5	(radionuclides archive)
6	pore water - centrifuge
7	NO GOOD
8	NO GOOD

DESCRIPTION of CORES

C1 EMPTY

C2 TW turbid. Surface even, smooth, maybe resedimentation on surface. Burrow trace at 4cm down. Top mud even gray-brown 10cm thick. Middle coffee-beige with gray-brown mottles, small near top, large (3cm diameter) near bottom. Bottom even coffee-beige 2cm. Total 30cm.

C3 TW somewhat turbid. Surface uneven, difference of 3cm - slumped on one side, with slumping lines underneath, or burrow traces, down to 7cm. Possible ?nodule at 7cm down. Burrow trace at 5cm down. Top mud mostly even gray-brown, more variable in length and coloring than usual, 7-12cm thick. Middle with dark streaky band at top, rest coffee-beige with gray-brown mottles 18cm. Total 26-29cm.

C4 TW somewhat turbid. Surface with big hole on one side, 8cm along surface, 2cm down, 2cm into center of surface. Large Xeno on surface ("fungus" type) 4cm long, plate-like. Burrow trace at 5.5cm down. Burrow hole at 14cm down. Top mud even gray-brown except for beige patch under Xeno, 6cm long, by 3cm deep. Middle coffee-beige and gray-brown, fine mottling at top, only a few scattered gray-brown mottles lower. Upper mottles 7cm thick, lower mottles 10cm. Bottom even coffee-beige 2cm. Total 28.5cm.

C5 TW somewhat turbid. Surface with big cavity on one side [illegible] long, 3cm deep, 4cm into center of surface. Possibly was nodule sitting there. Underneath are burrow traces or slumping lines, to 4cm down, going 9cm up diagonally towards surface, to 2cm below surface. Other side of core tube with extensive burrow traces from 8 to 22cm down. Top mud even gray-brown 10cm thick. Middle mottled gray-brown and coffee-beige 11cm. Bottom coffee-brown 3cm. Total 25-28cm.

C6 TW somewhat turbid. Surface even. A few loose clumps 1cm diameter. Surface very soft and soupy. Burrow trace at 3cm, 7cm, and 2.5cm down. Top mud even gray-brown 11cm thick. Middle coffee-beige with streaks and mottles of gray-brown 10cm. Bottom mostly beige, some big (2cm diameter) gray-brown mottles 11cm. Total 30.5cm.

C7 3cm mud.

C8 EMPTY.

EQPAC MC 35 CRS 252 TT013-143 5 DEC. 1992

DISTRIBUTION of CORES

C1	phaeopigments
2	organics
3	phaeopigments
4	trace metals - ReMoU
5	radionuclides
6	organics
7	radionuclides
8	barite

DESCRIPTION of CORES

C1 TW very clear. Surface even. Clump - ?agglutinated foram - on surface, 4mm high, 6mm diameter. Burrow trace from 2.5 to 5.5cm down. System running 9cm along side, surface to [illegible] down. Hole at 8cm down. Small holes at 1.5, 2, 3.5 and [illegible]cm down. Large trace 5 to 8cm down. Top mud even gray-brown 9cm thick. Middle mottled pale, beige, brown, some black, some streaks 10cm. Bottom mostly black, beige mottles 2cm diameter 17cm thick. Total 35cm.

C2 TW clear. Depression on surface of 1/2cm deep, rest even. Some clumps 1cm long; loose brown material dusting surface. Burrow holes at 1.5, 4, and 10cm down. Top mud even gray-brown 10cm thick. Middle streaked beige, pale, brown, gray, 10cm. Bottom mostly black, streaked with beige 17cm. Total 37cm.

C3 TW clear. Surface even. Some clumps 1cm diameter ?forams. Some loose brown detrital material. Burrow traces at 4, 5, 6, and 8cm down. Hole at 2cm down. System at 3cm down, 4cm along side. Top mud even gray-brown 9cm thick. Middle streaked, some mottles beige, pale, brown, black, 10cm. Bottom mostly black, some beige and pale 13cm. Total 34cm.

C4 TW clear. Surface even, except low depression in surface with burrow hole. Some loose brown flocculent material. White clump 1cm diameter of carbonate sediment on surface. Many burrow traces at a maximum of 6cm down. Large system at 4cm down, 5cm long. Top mud even gray-brown 7cm thick. Middle mottled [illegible] and beige and brown 12cm. Bottom mostly black manganese [illegible] with pale and beige mottles 22cm. Total 37.5cm.

C5 TW clear. Surface even. Surface with large coprolite - Holothurian fecal pellet, spiraled, about 7cm long, 2cm wide, 1.5cm high. Some loose brown material on surface. Burrow system just under surface to 1cm down, 10cm along side. Another system 7cm down. Top mud gray-brown 8cm thick. Middle mottled beige and pale 10cm. Bottom black manganese mud mottled with beige 22cm. Total 35cm.

MC 35 contd.

C6 TW clear. Surface mostly even, 2 nodules on surface 1.5 x 2cm, and 7mm x 1.4cm. Small one has ?foram growing on it. Some small holes in surface. Some clumps ?forams on surface, also tube 5mm long. Burrow trace diagonal from surface to 3.5cm down, 7cm long. Top mud even gray-brown 7cm thick. Middle mottled and streaked beige, pale, brown, black 10-12cm. Bottom black, with beige and pale mottles and streaks 21cm. Total 36cm.

C7 TW clear. Surface even, smooth, some loose brown material on surface. Large burrow hole in surface 1cm long, 5mm wide. Burrow trace parallel to surface to 2.5cm down, 7cm along side, exiting to surface. Top mud even gray-brown 10-12cm thick. Middle streaked beige, pale and brown 5cm, with some beige streaks going 8cm down into bottom. Bottom mostly black, streaked with pale 17cm. Total 33cm.

C8 TW clear. Surface even, smooth. Some loose brown material on surface. Burrow traces at 1, 2.5, and 6cm down. Burrow hole at 3cm down. Top mud even gray-brown 11cm thick. Middle mottled beige and brown 4cm. Bottom mostly black, a few pale mottles and streaks 22cm. Total 36.5cm.

EQPAC MC 36 CRS 254 TT013-147 6 DEC. 1992

DISTRIBUTION of CORES

C1	NO GOOD
2	NO GOOD
3	NO GOOD
4	NO GOOD
5	NO GOOD
6	NO GOOD
7	NO GOOD
8	NO GOOD

DESCRIPTION of CORES

C1 EMPTY

C2 A few bits of mud in bottom.

C3 EMPTY

C4 TW clear to slightly turbid. Surface even, smooth - possibly re-suspended. A few small brown clumps. Burrow hole at 4 cm down. Top mud even coffee-brown 9cm thick. at very bottom is yellowish beige sediment 1cm. Total 10.5cm.

C5 EMPTY

C6 Apprx. 1cm mud on base. Mud is yellowish beige, crunchy, not soft coffee-beige surface mud.

C7 EMPTY

C8 A few bits of mud on base.

EQPAC MC 37 CRS 255 TT013-148 6 DEC. 1992

DISTRIBUTION of CORES

C1	radionuclides - long term
2	organics
3	microbiology
4	radionuclides
5	phaeopigments
6	radionuclides
7	paleo
8	NO GOOD

DESCRIPTION of CORES

C1 TW clear. Surface with nodule 2.5cm diameter, with depression of 2cm deep, 5cm long, adjacent to nodule. Some sediment piled on nodule. Burrow holes at 5cm and 5cm down. Burrow trace at 3cm down. Top mud even gray-brown 9cm thick. Bottom even pale beige. Total 28-29.5cm.

C2 TW clear. Surface slant of 1cm. Burrow trace from surface to 1.5cm down, 2cm long. Burrow holes at 3.5 and 6.5cm down. Top mud mostly even gray-brown with wedge of coffee-brown and paler brown, 10cm thick. Middle mostly even pale beige, some browner small patches 18cm. Bottom greenish beige streaked and mottled with beige 10cm. Total 33.5-34.5cm.

C3

C4 TW clear to slightly turbid. Surface even. Clump ?agglutinated foram - near side, 1.5cm long, 1/2cm wide, 8mm high. Large burrow trace system from surface to 4cm down, 10cm along side. Filled trace surface to 2cm down, wedge-shape, with slightly paler mud in center and gray mud surrounding. Top mud even gray-brown 10cm thick. Middle mostly even pale beige 17cm. Bottom beige and greenish beige 10cm. Total 34.5cm.

C5 TW clear to slightly turbid. Surface mostly even, some slant 1cm. Two forams sticking up 3mm. Piece of yellow ?paint flake? on surface 4mm long. Extensive burrow system surface to 4cm down, 9cm along side. More traces at 1.5, 2, and 3cm down. Top mud even gray-brown 6.5-9cm thick. Middle mostly pale beige, some gray-brwon streaks 19cm. Bottom mostly beige, some greenish beige mixed, 9cm. Total 33.5-34.5cm.

C6 TW clear. Surface even. Some small clumps 4mm diameter on surface. Burrow system 1.5 to 3cm down, 3cm along side. Top mud even gray-brown 9cm thick. Middle pale beige, some gray-brown streaks near top, 18cm. Bottom half beige, half streaky greenish brown 8cm. Total 33cm.

C7 TW clear. Surface even. Clump -?foram - along side 1cm diameter. Some loose brown material. Burrow hole at 1.5cm down, 1.5cm long, exiting to surface. Burrow trace at 1.5cm down. Top mud even gray-brown 9cm thick. Middle even pale beige 22cm. Bottom beige with greenish beige mud half/half. Total 34.5cm.

C8 EMPTY

EQPAC MC 38 CRS 256 TT013-149 7 DEC. 1992

DISTRIBUTION of CORES

C1	organics
2	organics
3	phaeopigments
4	radionuclides
5	paleo
6	radionuclides
7	phaeopigments
8	radionuclides

DESCRIPTION of CORES

C1 TW slightly turbid. Surface with slant of 1/2cm plus mound 1.2cm on high side. Some small clumps on surface. Burrow hole 5cm down, 3cm long. Other holes 2.5 and 5cm down. Top mud even gray-brown 8cm thick. Middle gray-brown and beige mottled (more gray-brown at top, more beige at bottom). Mud streaks on inside of core tube above surface show that the mud slid at least 5cm in core tube. Total 25-26cm.

C2 TW somewhat turbid. Surface with some mounds and dips. A few clumps <1cm diameter on surface. Burrow holes at 3, 3.5, 5, 12, and 10cm down. Large hole at 10cm down, 4cm long, 5mm high. Top mud even coffee-brown 10cm thick. Upper middle streaked & mottled gray-brown and coffee-beige 10cm. Lower middle mostly beige, some gray-brown mottles, 13cm thick. Bottom coffee-beige 6cm. Total 37.5-38cm.

C3 TW somewhat turbid. Surface even. With small clumps - ?forams. Burrow system 4cm down, 7cm along side. More holes at 1, 2, and 4.5cm down. Low mound on surface 6mm high, 4.5cm long, 2cm wide. Top mud even coffee-brown 9cm thick. Middle mottled gray-brown and beige 15cm. Bottom even beige 13cm. Total 38cm.

C4 TW somewhat turbid. 1cm slant to surface. Nodule on surface, 2.5cm long, Clump ?forams 8mm long on surface. Burrow trace system surface to 4cm down, 6cm along side. More traces 2, 3, 4.5, and 6cm down. Trace filled with gray mud from surface to 2cm down. Top mud even coffee-brown 10cm thick. Middle beige and gray-brown mottled 17cm (with just gray-brown at top for 3cm). Bottom even beige 10cm. Total 36-37cm.

C5 TW somewhat turbid. Surface with depression along side, probably dislodged nodule; depression 6cm long, 2cm deep. Mound adjacent to depression, along side, 1.5cm high. Burrow system under nodule depression, 1 to 2.5cm down, 4cm along side. Large hole 8.5cm down, 1.5cm high, 7.5cm long. Traces at 2, 2, 4.5, and 4.5 cm down. Top mud even coffee-brown 9cm thick. Middle mottled gray-brown and beige 14cm. Bottom beige 15cm. Total 36-38.5cm.

MC 38 contd.

C6 TW somewhat turbid. Surface with slant and some dips 1cm difference. A few small clumps 5mm diameter - ?forams. Burrow hole at 7cm down, 3cm long. Another at 3.5cm down. Large hole 8cm down, 1.5cm high, 2cm long. Top mud even coffee-brown 10cm thick. Middle mottled gray-brown and coffee-beige 16cm, with gray-brown streaking at top. Bottom coffee-beige 12cm. Total 37.5-39cm.

C7 TW slightly turbid. Surface with some mounds along side 1cm high. Some 5mm clumps - ?forams. Burrow system surface to 4cm down, 7cm along side. Another system 2 to 6cm down, 6cm along side, with one hole 3.5cm long. Traces at 1 and 3.5cm down. Another trace at 22cm down; another vertical trace 26 to 33cm down. Top mud even coffee-brown 9cm thick. Middle gray-brown at top, fine mottling, then clumpy mottling with beige [illegible] Bottom mostly coffee-beige with a few gray-brown patches. Total 36.5-37.5cm.

C8 TW somewhat turbid. Surface with 1cm slant. A few small 3mm clumps. Burrow hole at 3cm down. Traces at 2, 5.5, and 6cm down. Top mud even coffee-brown 10cm thick. Middle gray-brown and coffee-beige mottling 15cm. Bottom even coffee-beige 13cm. Total 38-39cm.

EQPAC MC 39 CRS 258 TT013-153 7 DEC. 1992

DISTRIBUTION of CORES

C1	organics
2	radionuclides
3	radionuclides
4	organics
5	radionuclides - long term
6	phaeopigments
7	radionuclides
8	microbiology/barite

DESCRIPTION of CORES

C1 TW somewhat turbid. Surface even, smooth. Possible re-suspension. No sign of flocculent material or slurp. Burrow traces at 6 and 10cm down. Top mud even gray-brown 12cm thick. Middle mottled and streaked evenly light beige and gray-brown 8cm. Bottom even light beige 4cm. Total 30cm.

C2 TW somewhat turbid. Surface even, smooth. Possible re-suspension? Burrow traces at 3, 3,5, 5 and 16cm down. Burrow hole at 22cm down, 1cm long, 8mm high. Hole at 21cm down, 8mm long, 6mm high. Top mud even gray-brown 13cm thick. Middle mottled coffee-beige and gray-brown 12cm. Bottom even coffee-beige 13cm. Total 37cm.

C3 TW somewhat turbid. Surface slant 1cm - one side slumped a little above a burrow system. System 2 to 3.5cm down, 6cm along side. Two small clumps on surface, 1/2cm diameter. Top mud even coffee-brown 9cm thick. Upper middle evenly streaked and mottled coffee-beige and gray-brown 6cm. Lower middle mostly coffee-beige, some gray-brown mottles 8cm. Bottom even coffee-beige 12cm. Total 35-36cm.

C4 TW somewhat turbid. Surface even, smooth. One clump on surface 1cm diameter. Two small burrow holes in surface. Some extensive burrow systems. One 2cm down, 10cm along side. One 15-21cm down, 3cm along side. Another from surface, with holes and traces to 33cm down. Top mud even coffee-brown 8cm thick. Middle even mottles coffee-beige and gray-brown 13cm. Bottom even coffee-beige 14cm. Total 37cm.

C5 TW somewhat turbid. Surface with mound on one side, with depression adjacent. Mound 2cm high. Depression 1/2cm deep, above large burrow trace system. Clump 1cm diameter on surface. Core tube heavily burrowed, traces go down to 29cm. Some holes 2cm long. Top mud even coffee-brown 8cm thick. Middle coffee-beige and gray-brown 17cm. Bottom mostly even coffee-beige 12cm. Total 34.5-36.5cm.

C6 TW somewhat turbid. Surface slanted 1.5cm. Surface with 2 small clumps 1/2cm diameter. Burrow trace at 1cm. Top mud even coffee-brown 8cm. Upper middle streaky and mottled coffee-beige 7cm. Lower middle mostly coffee-beige with gray-brown mottles 9cm. Bottom even coffee-beige 9cm. Total 33-34.5cm.

C7 TW somewhat turbid. Surface with slant of 1cm, high point above a burrow exit. Surface smooth, possible re-suspension. Burrow trace surface to 3cm down. Other traces in band 1cm under surface, 4cm along side. Trace at 7cm down. Top mud even coffee-brown 8cm thick. Middle coffee-beige and gray-brown mottles 13cm. Bottom mostly coffee-beige 11cm. Total 33.5-34.5cm.

C8