94039

U.S. GEOLOGICAL SURVEY-BRANCH OF ATLANTIC MARINE GEOLOGY
CRUISE REPORT

1. *SHIP NAME (Parent vessel)/SUBMERSIBLE/OWNER-OPERATOR*
   : OGS Explora

2. *CRUISE # AND LEG:*
   PRNA - 94

3. *PROJECT # AND NAME:*
   9470 - 80156 OBS Operations

4. *FUNDING AGENCY:*
   NSF

5. *CONTRACT (If applicable):*

6. *AREA OF OPERATIONS:*
   Ross Sea, Antarctica

7. *DATES AND PORTS OF CALL:*
   Departure Jan 7,1994 Dunedin, NZ
   Arrival Mar 3, 1994 Bluff, NZ

8. *CHIEF SCIENTIST(S):*
   Alan Cooper
   Giuliano Brancolini

9. *SCIENTIFIC PARTY (Names,affiliations,cruise duties):*

Alan Cooper	USGS/PMG	Chief Scientist
Giuliano Brancolini	Osservatorio Geofisico Sperimental	Chief Scientist
Giulio Pellis	Univ. di Trieste	Asst. Chief Sci.
Frank Egloff	Univ. Hamburg	OBS Tech
Marco Bohnhoff	Univ. Hamburg	OBS Tech
Greg Miller	USGS/AMG	OBS Tech

10. *SHIP'S CAPTAIN (and affiliation):*

Capt. Walter Reggente Armento D. Tripcovich

11. *PURPOSE OF CRUISE (brief statement)*

Study crustal structure and faults in the Ross Sea.

12. *NAVIGATION TECHNIQUES:*

GPS

13. *SCIENTIFIC EQUIPMENT:*

GPS
OCEAN BOTTOM SIESMOMETERS

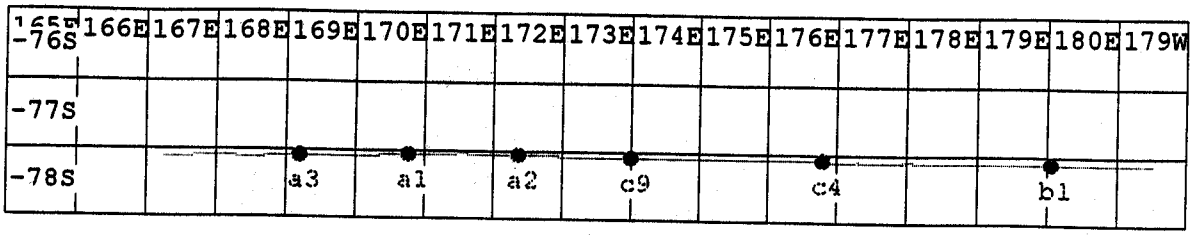
14. *TABULATED INFORMATION OF USGS OBS DEPLOYMENTS:*

Station number:	Date	Latitude	Longitude	depth	type	Remarks
ERS 1	1/30/94	77 7.1 S	179 23.2 W	635	OBS A3	SEGY DATA
ERS 5	1/30/94	77 7.1 S	176 59.4 W	619	OBS A1	SEGY DATA
ERS 13	1/30/94	77 7.3 S	173 38.2 W	508	OBS B1	SEGY DATA
ERS 17	1/31/94	77 7.3 S	172 1.6 W	478	OBS C9	SEGY DATA
ERS 20	1/31/94	77 7.3 S	170 48.8 W	466	OBS C4	SEGY DATA
ERS-23	1/31/94	77 7.3 S	169 36.6 W	523	OBS A2	SEGY DATA
WRS 102	2/8/94	77 5.6 S	169 13.5 E	933	OBS A3	SEGY DATA
WRS 106	2/8/94	77 4.3 S	170 46.4 E	816	OBS A1	SEGY DATA
WRS 110	2/8/94	77 4.3 S	172 23.2 E	693	OBS A2	SEGY DATA
WRS 114	2/8/94	77 6.3 S	174 0.3 E	472	OBS C9	SEGY DATA
WRS 121	2/8/94	77 6.3 S	176 49.5 E	446	OBS C4	SEGY DATA
WRS 129	2/8/94	77 7.3 S	179 56.2W	781	OBS B1	SEGY DATA

D:\IT128.TXT = Line 1 (Eastern Ross Sea)

-181 -76S	-180	-179	-178	-177	-176	-175	-174	-173	-172	-171	-170	-169	-168	-167	-166W
-77S															
-78S	a3		a1				b1		c9	c4	a2				

D:\IT129.TXT = Line a (Western Ross Sea)



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Message-Id: <Chameleon.4.00.940801132237.gmiller@miller.er.usgs.gov>
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