INFORMAL REPORT AND INDEX OF

NAVIGATION, DEPTH, MAGNETIC AND SUBBOTTOM PROFILER DATA

(Issued September 1983)

BONANZA EXPEDITION

LEG 3

San Diego, Calif. (13 June 1982)
to
San Diego, Calif. (19 June 1982)

R/V T. Washington

Chief Scientist - J. Mammerickx

Resident Marine Tech - none on board this leg

Post-Cruise Processing and Report Preparation
by S.I.O. Geological Data Center

Data Collection Funded by ONR
Grant Number ONR-0440
Data Processing funded by SIA and ONR

GDC Cruise I.D.# - 200

INFORMAL REPORT AND INDEX OF NAVIGATION, DEPTH, MAGNETIC AND SUBBOTTOM PROFILER DATA

Contents:

Index Chart - gives track of cruise leg, dates, ports, and mileage of each type of data collected.

Track Charts - annotated with dates (day/month) and hour ticks. The scale is .312 in/degree longitude.

Profiles - depth and magnetic anomaly vs. distance. Dates (day/month) and positions of major course changes (greater than 30 degrees) are annotated. Sections of track having subbottom profiler (airgun) records have a wide black line along the bottom of the profile. Sections having Sea Beam are indicated by a narrow line.

Sample Index - list of beginning and end times and positions of all underway records as well as all other samples (geology, biology, physical oceanography, etc.) collected on the cruise leg.

For information on the availability and reproduction costs of data in the following forms, contact S. M. Smith, Curator, Geological Data Center, Scripps Institution of Oceanography, La Jolla, California 92093. Phone (714) 452-2752.

1. Navigation listing of times and positions of course and speed changes, fixes and drift velocity.
2. Depth Compilation Plots - Compilation plots at the traditional scale of 4"/degree longitude (1:1,000,000) are no longer produced for Sea Beam cruises. Custom plots may be requested of vertical beam (2&2/3 degree beam width) depths retrieved at one minute intervals of ship time.
3. Plots of magnetic anomaly profiles along track - map scale = 1.2inch/degree, anomaly scale between 15N and 15 S latitude = 500 gamma/inch, anomaly scale north of 15N and south of 15S = 1000 gamma/inch, from values retrieved at approximately 1 mile spacing and regional field removed using the 1980 IGRF.
4. Separate time series files of navigation, depth and magnetics of data merged in the MGD77 Exchange format on magnetic tape.
5. Microfilm or Xerox copies of:
   a. Echosounder records - 12 and 3.5 kHz frequency
   b. Subbottom profiler records (airgun)
   c. Magnetometer records
   d. Underway data log

Rev June 1982 (Sea Beam)

S.I.O. Sea Beam Data

As of June 1982 the institution's procedures for handling Sea Beam data are still evolving. The following forms are available, subject to approval of the cruise leg chief scientist.

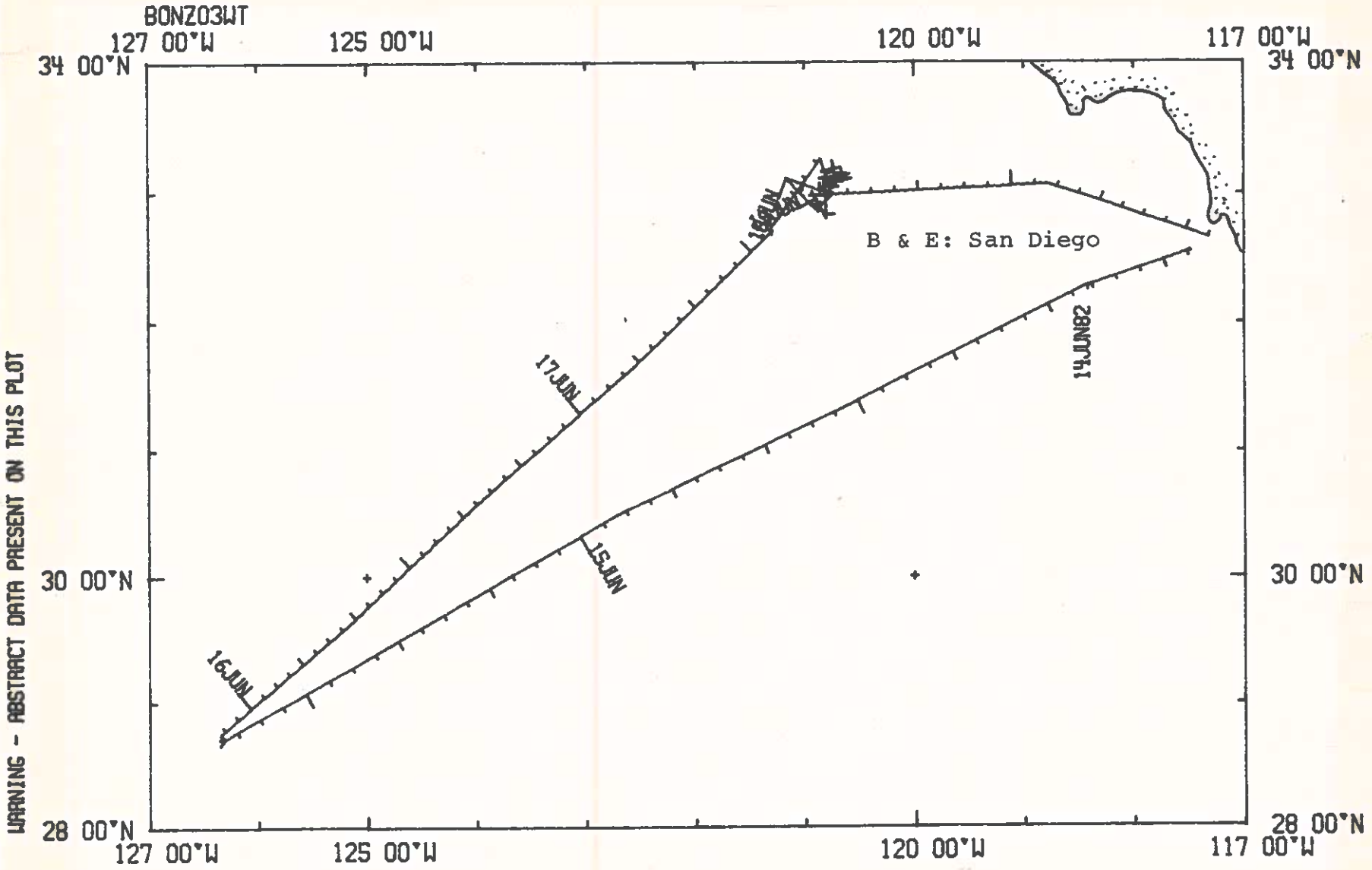
1) Archive copy of contour swath books generated in real time on board ship available for inspection at the data center.

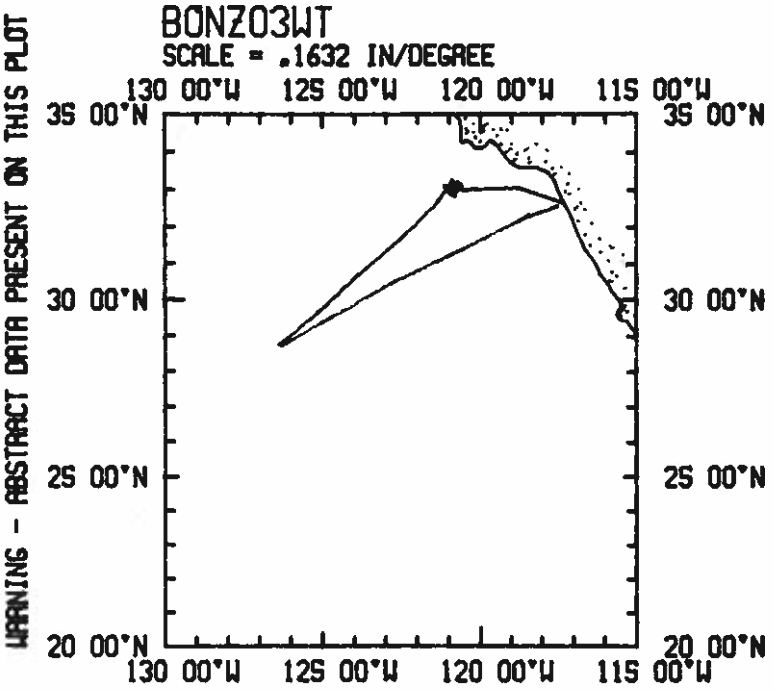
2) Microfilm (35mm flowfilm) containing swath books plus, for some cruises, the UGR monitor record and navigation listings.

3) Sea Beam merged tapes - Sea Beam data merged with navigation (navigation is edited to the extent that poor fixes are removed after inspection of drift vectors between fix pairs. No editing is done on the basis of adjusting to overlapping Sea Beam swaths.)

4) Custom generated plots of Sea Beam swaths on Mercator projection in four colors at variable plot scales and contour intervals. There are provisions to adjust positions of individual track lines and to edit out beams (bad data or overlapping data on inside of turns).

S. M. Smith June 1982

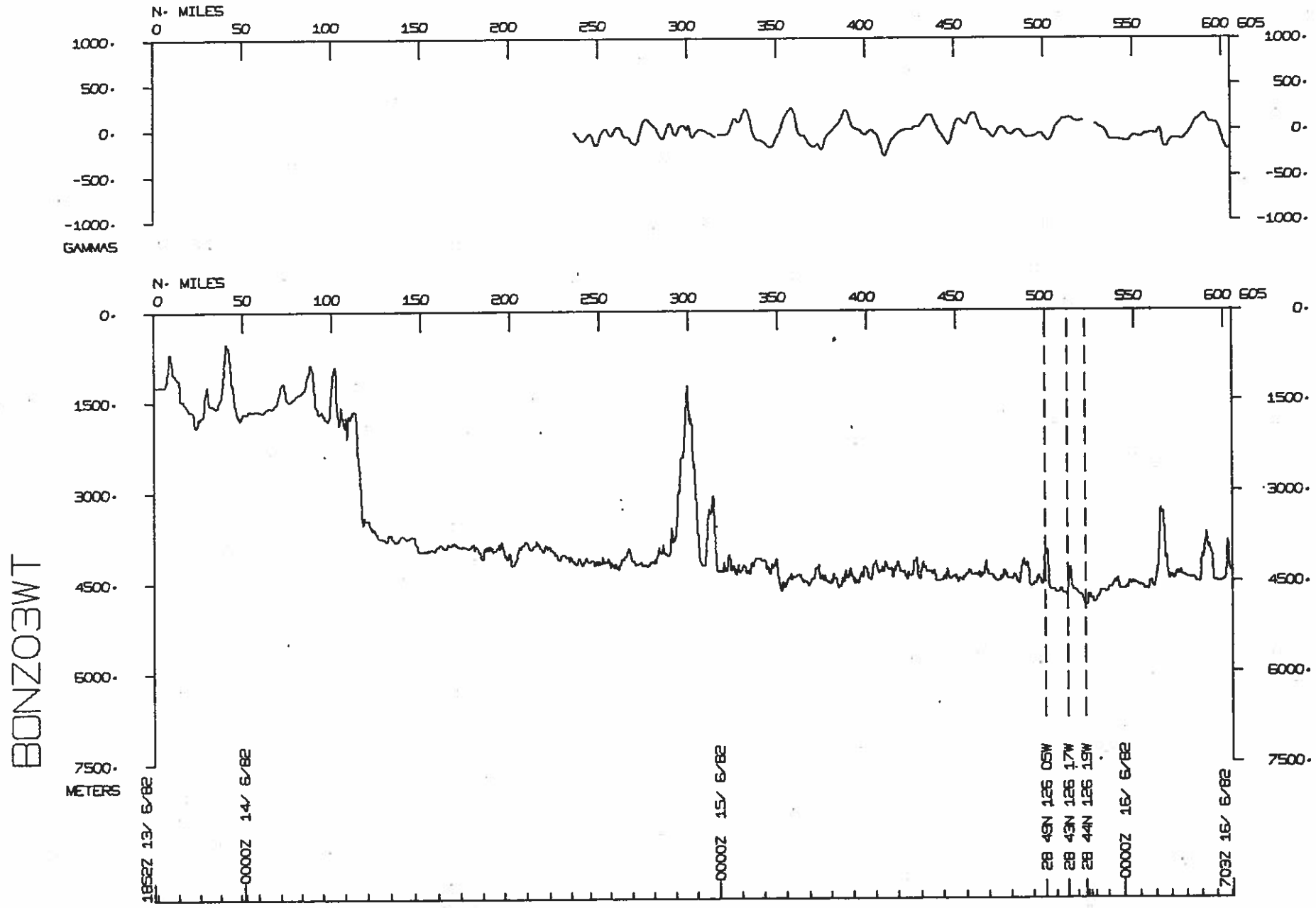

BONZO3WT
127 00°W
125 00°W
120 00°W
117 00°W
34 00°N
30 00°N
28 00°N
B & E: San Diego
16JUN
17JUN
15JUN
14JUN
28NOV81
WARNING - ABSTRACT DATA PRESENT ON THIS PLOT



BONANZA EXPEDITION
LEG 3

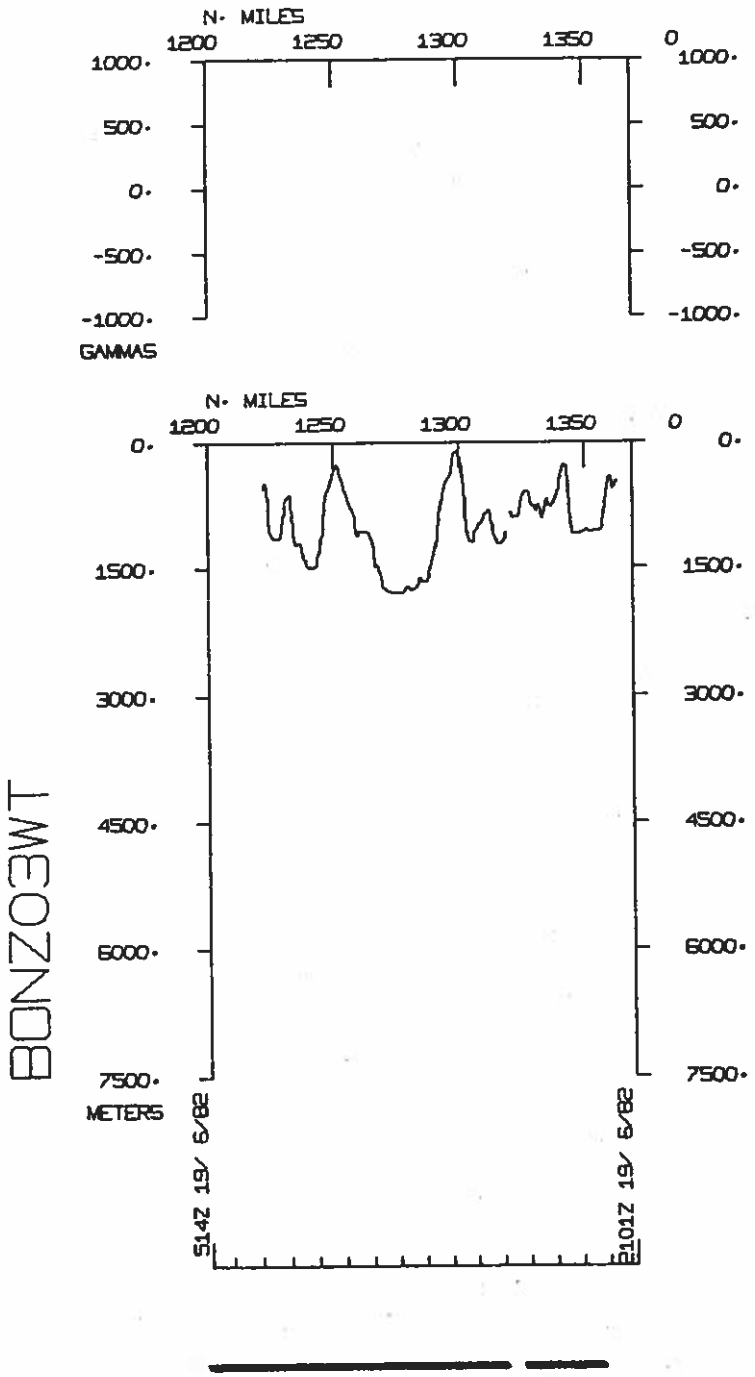
CHIEF SCIENTIST- J. Mammerickx
Ports: San Diego - San Diego, Calif.
Dates: 13 - 19 June 1982
Ship: R/V T. Washington

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED
1) Cruise - 1374 miles
2) Bathymetry - 1314 miles
3) Magnetics - 926 miles
4) Seismic Reflection - 650 miles
5) Gravity - none collected
6) Seabeam - 1344 miles


N. MILES
0 50 100 150 200 250 300 350 400 450 500 550 600 605
1000.
500.
0.
-500.
-1000.
GAMMAS
N. MILES
0 50 100 150 200 250 300 350 400 450 500 550 600 605
0.
1500.
3000.
4500.
6000.
7500.
METERS
BONZO3WT
1852Z 13/ 6/82
0000Z 14/ 6/82
0000Z 15/ 6/82
28 49N 126 05W
28 43N 126 17W
28 44N 126 19W
0000Z 16/ 6/82
2032 16/ 6/82

SEA BEAM

BONZO3WT
N. MILES
GAMMAS
METERS
1205
1150
1100
1050
1000
950
900
850
800
750
700
650
600
1000.
500.
0.
-500.
-1000.
1500.
3000.
4500.
6000.
7500.
7052 16/ 6/82
00002 17/ 6/82
32 45N 121 14W
33 00N 120 59W
33 15N 120 50W
32 58N 120 45W
00002 18/ 6/82
32 51N 120 53W
33 00N 120 43W
33 02N 120 48W
33 03N 120 48W
33 05N 120 34W
33 07N 120 51W
33 08N 120 35W
33 10N 120 50W
33 12N 120 40W
33 05N 120 49W
32 47N 120 47W
32 50N 120 48W
32 54N 120 50W
00002 19/ 6/82
33 00N 120 56W
5122 19/ 6/82


N. MILES
1200
1250
1300
1350
0
1000.
500.
0.
-500.
-1000.
GAMMAS
N. MILES
1200
1250
1300
1350
0
0.
1500.
3000.
4500.
6000.
7500.
METERS
5142 19/ 6/82
2017 19/ 6/82
BONZO3WT

S.I.O. Sample Index

(Issued September 1983)

BONANZA EXPEDITION

Leg 3

San Diego, Calif. (13 June 1982)
to
San Diego, Calif. (19 June 1982)

R/V T. Washington

Chief Scientist - J. Mammerickx

Resident Marine Tech - none on this leg

Post-Cruise Processing and Report Preparation
by S.I.O. Geological Data Center

Index Encoding Funded by NSF
Grant Number OCE80-22996
Index Processing and Report Preparation
funded in part by SIA

The Sample Index is a first level interdisciplinary listing of time, position, sample identification and disposition of all samples, records and measurements collected on this cruise leg. The index data are encoded at sea by the resident technician and processed on shore by the S.I.O. Geological Data Center shortly after the completion of the cruise leg.

Positions are interpolated on the basis of sample time by comparison to a single, edited navigation file. Samples beginning at one time and position and ending at another are entered on two consecutive cards. Disposition and sample type are represented by three and four character codes to permit future computer searches on these parameters. (Listings defining these codes are available from the Geological Data Center.)

GDC Cruise I.D.# -200

S.I.O. SAMPLE INDEX GENERATED 14JUL82

*** BONANZA LEG 3 SAMPLE INDEX (BUN703WT) ***

13JUN82 - SAN DIEGO, CAL.
TO
19JUN82 - SAN DIEGO, CAL.

CHIEF SCIENTIST - MAMMERICKX,J. GRD

SHIP - R/V THOMAS WASHINGTON (SIO)

PRODUCED BY GEOLOGICAL DATA CENTER, SCRIPPS INSTITUTION
OF OCEANOGRAPHY, LA JOLLA, CALIFORNIA 92093

NUMBER OF SAMPLES OF CLASS 'TYPE' GOING TO DESTINATION 'DISP'

DISP		TYPE								TOTAL
		BT	CO	DP	LB	MB	MG	PE	SP	
GDC	I	1		3	1	9	1		2	I 17
GRD	I		2			8		4		I 14
MTG	I							4		I 4
SIO	I							4		I 4
TOTAL	I	1	2	3	1	17	1	12	2	I 39

SAMPLE 'TYPE' CODES USED ABOVE

BT = BATHYTHERMOGRAM
CO = CORE
DP = DEPTH
LB = LOG BOOKS
MB = MULTI-BEAM (SEABEAM) ECHOSOUNDER
MG = MAGNETICS (TOWED VEHICLE, SURFACE, TOTAL FIELD)
PE = PERSONNEL IN SCIENTIFIC PARTY
SP = SEISMIC REFLECTION PROFILE AIRGUN

SAMPLE 'DISP' CODES USED ABOVE

GDC = GEOLOGICAL DATA CENTER -- S. SMITH (EXT. 2752)
GRD = GEOLOGICAL RESEARCH DIVISION (EXT. 3360)
MTG = MARINE TECHNOLOGY GROUP (EXT 4194)
SIO = SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA, CAL. 92093

GMT D /D /Y TIME DATE	LOC LOC TIME TZ	CODE SAMP	SAMPLE IDENT.	CODE DISP	LAT.	LONG.	LEG-SHIP CRUISE
			BONANZA LEG 3 SAMPLE INDEX				BONZ03WT

*** PORTS ***

1747 13/06/82		LGPT B SAN DIEGO, CAL.	32 43. N	117 11. W	F BONZ03WT
2102 19/06/82		LGPT E SAN DIEGO, CAL.	32 43. N	117 11. W	F BONZ03WT

PERSONNEL

*** NAME ***	*** TITLE ***	*** AFFILIATION ***
1 MAMMERICKX,J.	CHIEF SCIENTIST	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92
2 ALBRIGHT,D.	SEABEAM OPERATOR	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92
3 CHARTERS,J.	COMPUTER TECH	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92
4 HUBENKA,F.	AIRGUN TECH	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92
5 DOWNS,P.	SEABEAM TECH	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92
6 METZLER,C.	STUDENT	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92
7 BERGER,W.	PROFESSOR	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92
8 FISHER,R.L.	RES. GEOLOGIST	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92
9 TAYLOR,I.	S.RES.ASSO.	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92
10 WHITMAN,J.	STUDENT	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92
11 STEVENS,S.	STUDENT	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92
12 BRIDGES,L.	STUDENT	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92

NOTES AN 'X' IN THE (B)EGIN/(E)ND COLUMN FOLLOWING THE SAMPLE CODE INDICATES NO SAMPLE OR DATA RECOVERED .
A 'C' INDICATES CONTINUATION OF DATA COLLECTION FROM BEFORE THE BEGINNING OR AFTER THE END OF THIS LEG. (MOORED BOTTOM INSTRUMENTS; FOR EXAMPLE).
THE NUMBER APPEARING IN THE COLUMNS BETWEEN THE SAMPLE IDENTIFIER AND THE DISPOSITION CODE, FOR MANY SAMPLE ENTRIES, IS THE WATER DEPTH IN CORRECTED METERS.

GMT D /M /Y TIME DATE	LOC LOC TIME TZ	CODE SAMP	SAMPLE IDENT.	CODE DISP	LAT.	LONG.	LEG-S CRUI
			UNDERWAY DATA CURATOR - STUART SMITH (EXT.2752)				
*** LOG BOOKS ***							
1747 13/ 6/82		LBUW	B UNDERWAY DATA LOG	GDC	32 33.2N	117 28.9W	S BONZ(
2102 19/ 6/82		LBUW	E UNDERWAY DATA LOG	GDC	32 38.5N	117 19.3W	S BONZ(
SEABEAM SOUND VELOCITY PROFILE							
1816 13/ 6/82		MBVP	B SVP BON703WT-1	GDC	32 33.2N	117 28.9W	S BONZ(
1921 15/ 6/82		MBVP	E SVP BONZ03WT-1	GDC	28 44.4N	126 20.5W	S BONZ(
1924 15/ 6/82		MBVP	B SVP BON703WT-2	GDC	28 44.4N	126 20.5W	S BONZ(
2102 19/ 6/82		MBVP	E SVP BONZ03WT-2	GDC	32 38.5N	117 19.3W	S BONZ(
SEABEAM MONITOR RECORD - VERTICAL BEAM							
1805 13/ 6/82		MBMR	B SB UGR MONITOR R-01	GDC	32 33.2N	117 28.9W	S BONZ(
2031 19/ 6/82		MBMR	E SB UGR MONITOR R-01	GDC	32 40.6N	117 24.7W	S BONZ
SEABEAM SWATH BOOK - REALTIME CONTOUR SWATH							
1816 13/ 6/82		MBSB	B SB SWATH BOOK 01	GDC	32 33.2N	117 28.9W	S BONZ
0452 14/ 6/82		MBSB	E SB SWATH BOOK 01	GDC	32 02.6N	118 55.6W	S BONZ
0456 14/ 6/82		MBSB	B SB SWATH BOOK 02	GDC	32 02.2N	118 56.4W	S BONZ
1447 15/ 6/82		MBSB	E SB SWATH BOOK 02	GDC	28 47.5N	126 08.5W	S BONZ
1449 15/ 6/82		MBSB	B SB SWATH BOOK 03	GDC	28 47.3N	126 08.9W	S BONZ
1820 17/ 6/82		MBSB	E SB SWATH BOOK 03	GDC	33 08.3N	120 55.5W	S BONZ
1820 17/ 6/82		MBSB	B SB SWATH BOOK 04	GDC	33 08.3N	120 55.5W	S BONZ
1226 19/ 6/82		MBSB	E SB SWATH BOOK 04	GDC	33 03.5N	119 00.5W	S BONZ
1227 19/ 6/82		MBSB	B SB SWATH BOOK 05	GDC	33 03.5N	119 00.2W	S BONZ
2004 19/ 6/82		MBSB	E SB SWATH BOOK 05	GDC	32 42.5N	117 30.0W	S BONZ
1816 13/ 6/82		MBSB	B SB SURVEY SWATH BK-1	GRD	32 33.2N	117 28.9W	S BONZ
0452 14/ 6/82		MBSB	E SB SURVEY SWATH BK-1	GRD	32 02.6N	118 55.6W	S BONZ
0456 14/ 6/82		MBSB	B SB SURVEY SWATH BK-2	GRD	32 02.2N	118 56.4W	S BONZ
1448 15/ 6/82		MBSB	E SB SURVEY SWATH BK-2	GRD	28 47.4N	126 08.7W	S BONZ
1449 15/ 6/82		MBSB	B SB SURVEY SWATH BK-3	GRD	28 47.3N	126 08.9W	S BONZ
1720 17/ 6/82		MBSB	E SB SURVEY SWATH BK-3	GRD	33 00.6N	120 59.0W	S BONZ
1721 17/ 6/82		MBSB	B SB SURVEY SWATH BK-4	GRD	33 00.7N	120 59.1W	S BONZ
1227 19/ 6/82		MBSB	E SB SURVEY SWATH BK-4	GRD	33 03.5N	119 00.2W	S BONZ

GMT D /M /Y TIME DATE	LOC LOC TIME TZ	CODE SAMP	SAMPLE IDENT.	CODE DISP	LAT.	LONG.	LEG-S CRUI
1227 19/ 6/82		MBSB B	SB SURVEY SWATH BK-5	GRD	33 03.5N	119 00.2W	S BONZO
2004 19/ 6/82		MBSB E	SB SURVEY SWATH BK-5	GRD	32 42.5N	117 30.0W	S BONZO
SEABEAM MAG TAPE - RAW LOGGED DATA							
1822 13/ 6/82		MBSB B	RAW MAG TAPE-01	GDC	32 33.2N	117 28.9W	S BONZO
1934 19/ 6/82		MBSB E	RAW MAG TAPE-01	GDC	32 44.4N	117 35.9W	S BONZO
SEABEAM SURVEY							
1523 15/ 6/82		MBSV B	SB SRVY WIGWAM SITE	GRD	28 46.0N	120 14.0W	B BONZO
1620 15/ 6/82		MBSV E	SB SRVY WIGWAM SITE	GRD	28 44.6N	126 19.0W	S BONZO
1312 17/ 6/82		MBSV B	SB SRVY NONAME SMT A	GRD	32 50.0N	120 14.0W	B BONZO
1530 17/ 6/82		MBSV E	SB SRVY NONAME SMT A	GRD	32 40.0N	120 19.5W	B BONZO
1600 17/ 6/82		MBSV B	SB SRVY SJUAN SMT	GRD	33 20.0N	120 30.0W	B BONZO
0100 19/ 6/82		MBSV E	SB SRVY SJUAN SMT	GRD	32 40.0N	121 20.0W	B BONZO
*** CORES ***							
2313 13/ 6/82		CORX X	NO RECOVERY	GRD	32 16.5N	118 25.0W	S BONZO
0238 14/ 6/82		CORX X	NO RECOVERY	GRD	32 17.3N	118 25.3W	S BONZO
1642 15/ 6/82		CORX X	NO RECOVERY	GRD	28 44.4N	126 19.2W	S BONZO
2134 15/ 6/82		CORX X	NO RECOVERY	GRD	28 45.2N	126 20.8W	S BONZ
0312 18/ 6/82		COGV B	GRAVITY CORE 3G	GRD	32 52.6N	120 55.0W	S BONZ
0313 18/ 6/82		COGV E	GRAVITY CORE 3G	GRD	32 52.5N	120 54.9W	S BONZ
0218 19/ 6/82		COGV B	GRAVITY CORE 4G	GRD	33 00.5N	120 56.1W	S BONZ
0220 19/ 6/82		COGV E	GRAVITY CORE 4G	GRD	33 00.4N	120 56.1W	S BONZ
*** FATHOGRAMS ***							
1826 13/ 6/82		DPR3 B	FPC 3.5KHZ R-01	GDC	32 33.2N	117 28.9W	S BONZ
0525 15/ 6/82		DPR3 E	FPC 3.5KHZ R-01	GDC	29 45.8N	124 10.5W	S BONZ
0532 15/ 6/82		DPR3 B	FPC 3.5KHZ R-02	GDC	29 45.1N	124 11.9W	S BONZ
1820 17/ 6/82		DPR3 E	FPC 3.5KHZ R-02	GDC	33 08.3N	120 55.5W	S BONZ
1820 17/ 6/82		DPR3 B	FPC 3.5KHZ R-03	GDC	33 08.3N	120 55.5W	S BONZ
2031 19/ 6/82		DPR3 E	FPC 3.5KHZ R-03	GDC	32 40.6N	117 24.7W	S BONZ

GMT D /M /Y TIME DATE	LOC LOC TIME TZ	CODE SAMP	SAMPLE IDENT.	CODE DISP	LAT.	LONG.	LEG-SI CRUI
*** MAGNETOMETER ***							
1722 14/06/82		MGRA B	MAGNETICS R-01	GDC	30 55.3N	121 39.9W	S BONZO
0053 19/06/82		MGRA E	MAGNETICS R-01	GDC	32 58.5N	120 55.1W	S BONZO
*** SEISMIC REFLECTION PROFILES ***							
2315 15/ 6/82		SPRF B	AIRGUN SLOW R-01 2S	GDC	28 50.1N	126 09.1W	S BONZO
0058 19/ 6/82		SPRF E	AIRGUN SLOW R-01 2S	GDC	32 58.5N	120 55.1W	S BONZO
2315 15/ 6/82		SPRF B	AIRGUN SLOW R-01 4S	GDC	28 50.1N	126 09.1W	S BONZO
0058 19/ 6/82		SPRF E	AIRGUN SLOW R-01 4S	GDC	32 58.5N	120 55.1W	S BONZO
*** BATHYTHERMOGRAPH ***							
1802 14/ 6/82		BTXP	XBT 01	GDC	30 52.1N	121 47.8W	S BONZO
9900		END	SAMPLE INDEX				BONZO3WT

S.I.O. SAMPLE INDEX GENERATED 14JUL82

*** BONANZA LEG 3 SAMPLE INDEX (BUN703WT) ***

13JUN82 - SAN DIEGO, CAL.
TO
19JUN82 - SAN DIEGO, CAL.

CHIEF SCIENTIST - MAMMERICKX,J. GRD

SHIP - R/V THOMAS WASHINGTON (SIO)

PRODUCED BY GEOLOGICAL DATA CENTER, SCRIPPS INSTITUTION
OF OCEANOGRAPHY, LA JOLLA, CALIFORNIA 92093

NUMBER OF SAMPLES OF CLASS 'TYPE' GOING TO DESTINATION 'DISP'

DISP	TYPE								TOTAL
	BT	CO	DP	LB	MB	MG	PE	SP	
GDC	1		3	1	9	1		2	17
GRD		2			8		4		14
MTG							4		4
SIO							4		4
TOTAL	1	2	3	1	17	1	12	2	39

SAMPLE 'TYPE' CODES USED ABOVE

BT = BATHYTHERMOGRAM
CO = CORE
DP = DEPTH
LB = LOG BOOKS
MB = MULTI-BEAM (SEABEAM) ECHOSOUNDER
MG = MAGNETICS (TOWED VEHICLE, SURFACE, TOTAL FIELD)
PE = PERSONNEL IN SCIENTIFIC PARTY
SP = SEISMIC REFLECTION PROFILE AIRGUN

SAMPLE 'DISP' CODES USED ABOVE

GDC = GEOLOGICAL DATA CENTER -- S. SMITH (EXT. 2752)
GRD = GEOLOGICAL RESEARCH DIVISION (EXT. 3360)
MTG = MARINE TECHNOLOGY GROUP (EXT 4194)
SIO = SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA, CAL. 92093

GMT D /M /Y TIME DATE	LOC TIME	LOC TZ	CODE SAMP	SAMPLE IDENT.	CODE DISP	LAT.	LONG.	LEG-SHIP CRUISE
/ /	000			BONANZA LEG 3 SAMPLE INDEX	00	00.	00 00.	BONZ03WT

*** PORTS ***

1747 13/06/82			LGPT B SAN DIEGO, CAL.	32 43. N	117 11. W	F BONZ03WT
2102 19/06/82			LGPT E SAN DIEGO, CAL.	32 43. N	117 11. W	F BONZ03WT

PERSONNEL

*** NAME ***	*** TITLE ***	*** AFFILIATION ***		
1 MAMMERICKX,J.	CHIEF SCIENTIST	SCRIPPS INSTITUTION OF OCEANOGRAPHY,	LA JOLLA	CAL. 92093
2 ALBRIGHT,D.	SEABEAM OPERATOR	SCRIPPS INSTITUTION OF OCEANOGRAPHY,	LA JOLLA	CAL. 92093
3 CHARTERS,J.	COMPUTER TECH	SCRIPPS INSTITUTION OF OCEANOGRAPHY,	LA JOLLA	CAL. 92093
4 HUBENKA,F.	AIRGUN TECH	SCRIPPS INSTITUTION OF OCEANOGRAPHY,	LA JOLLA	CAL. 92093
5 DOWNS,P.	SEABEAM TECH	SCRIPPS INSTITUTION OF OCEANOGRAPHY,	LA JOLLA	CAL. 92093
6 METZLER,C.	STUDENT	SCRIPPS INSTITUTION OF OCEANOGRAPHY,	LA JOLLA	CAL. 92093
7 BERGER,W.	PROFESSOR	SCRIPPS INSTITUTION OF OCEANOGRAPHY,	LA JOLLA	CAL. 92093
8 FISHER,R.L.	RES. GEOLOGIST	SCRIPPS INSTITUTION OF OCEANOGRAPHY,	LA JOLLA	CAL. 92093
9 TAYLOR,I.	S.RES.ASSO.	SCRIPPS INSTITUTION OF OCEANOGRAPHY,	LA JOLLA	CAL. 92093
10 WHITMAN,J.	STUDENT	SCRIPPS INSTITUTION OF OCEANOGRAPHY,	LA JOLLA	CAL. 92093
11 STEVENS,S.	STUDENT	SCRIPPS INSTITUTION OF OCEANOGRAPHY,	LA JOLLA	CAL. 92093
12 BRIDGES,L.	STUDENT	SCRIPPS INSTITUTION OF OCEANOGRAPHY,	LA JOLLA	CAL. 92093

NOTES AN 'X' IN THE (B)EGIN/(E)ND COLUMN FOLLOWING THE SAMPLE CODE INDICATES NO SAMPLE OR DATA RECOVERED .
A 'C' INDICATES CONTINUATION OF DATA COLLECTION FROM BEFORE THE BEGINNING OR AFTER THE END OF THIS LEG. (MOORED BOTTOM INSTRUMENTS, FOR EXAMPLE).
THE NUMBER APPEARING IN THE COLUMNS BETWEEN THE SAMPLE IDENTIFIER AND THE DISPOSITION CODE, FOR MANY SAMPLE ENTRIES, IS THE WATER DEPTH IN CORRECTED METERS.

GMT D /M /Y TIME DATE	LOC LOC TIME TZ	CODE SAMP	SAMPLE IDENT.	CODE DISP	LAT.	LONG.	LEG-SHIP CRUISE
			UNDERWAY DATA CURATOR - STUART SMITH (EXT.2752)				
*** LOG BOOKS ***							
1747 13/ 6/82		LBUW	B UNDERWAY DATA LOG	GDC	32 33.2N	117 28.9W	S BONZ03WT
2102 19/ 6/82		LBUW	E UNDERWAY DATA LOG	GDC	32 38.5N	117 19.3W	S BONZ03WT
SEABEAM SOUND VELOCITY PROFILE							
1816 13/ 6/82		MBVP	B SVP BONZ03WT-1	GDC	32 33.2N	117 28.9W	S BONZ03WT
1921 15/ 6/82		MBVP	E SVP BONZ03WT-1	GDC	28 44.4N	126 20.5W	S BONZ03WT
1924 15/ 6/82		MBVP	B SVP BONZ03WT-2	GDC	28 44.4N	126 20.5W	S BONZ03WT
2102 19/ 6/82		MBVP	E SVP BONZ03WT-2	GDC	32 38.5N	117 19.3W	S BONZ03WT
SEABEAM MONITOR RECORD - VERTICAL BEAM							
1805 13/ 6/82		MBMR	B SB UGR MONITOR R-01	GDC	32 33.2N	117 28.9W	S BONZ03WT
2031 19/ 6/82		MBMR	E SB UGR MONITOR R-01	GDC	32 40.6N	117 24.7W	S BONZ03WT
SEABEAM SWATH BOOK - REALTIME CONTOUR SWATH							
1816 13/ 6/82		MBSB	B SB SWATH BOOK 01	GDC	32 33.2N	117 28.9W	S BONZ03WT
0452 14/ 6/82		MBSB	E SB SWATH BOOK 01	GDC	32 02.6N	118 55.6W	S BONZ03WT
0456 14/ 6/82		MBSB	B SB SWATH BOOK 02	GDC	32 02.2N	118 56.4W	S BONZ03WT
1447 15/ 6/82		MBSB	E SB SWATH BOOK 02	GDC	28 47.5N	126 08.5W	S BONZ03WT
1449 15/ 6/82		MBSB	B SB SWATH BOOK 03	GDC	28 47.3N	126 08.9W	S BONZ03WT
1820 17/ 6/82		MBSB	E SB SWATH BOOK 03	GDC	33 08.3N	120 55.5W	S BONZ03WT
1820 17/ 6/82		MBSB	B SB SWATH BOOK 04	GDC	33 08.3N	120 55.5W	S BONZ03WT
1226 19/ 6/82		MBSB	E SB SWATH BOOK 04	GDC	33 03.5N	119 00.5W	S BONZ03WT
1227 19/ 6/82		MBSB	B SB SWATH BOOK 05	GDC	33 03.5N	119 00.2W	S BONZ03WT
2004 19/ 6/82		MBSB	E SB SWATH BOOK 05	GDC	32 42.5N	117 30.0W	S BONZ03WT
1816 13/ 6/82		MBSB	B SB SURVEY SWATH BK-1	GRD	32 33.2N	117 28.9W	S BONZ03WT
0452 14/ 6/82		MBSB	E SB SURVEY SWATH BK-1	GRD	32 02.6N	118 55.6W	S BONZ03WT
0456 14/ 6/82		MBSB	B SB SURVEY SWATH BK-2	GRD	32 02.2N	118 56.4W	S BONZ03WT
1448 15/ 6/82		MBSB	E SB SURVEY SWATH BK-2	GRD	28 47.4N	126 08.7W	S BONZ03WT
1449 15/ 6/82		MBSB	B SB SURVEY SWATH BK-3	GRD	28 47.3N	126 08.9W	S BONZ03WT
1720 17/ 6/82		MBSB	E SB SURVEY SWATH BK-3	GRD	33 00.6N	120 59.0W	S BONZ03WT
1721 17/ 6/82		MBSB	B SB SURVEY SWATH BK-4	GRD	33 00.7N	120 59.1W	S BONZ03WT

GMT TIME	D /M /Y DATE	LOC TIME	LOC TZ	CODE SAMP	SAMPLE IDENT.	CODE DISP	LAT.	LONG.	LEG-SHIP CRUISE
1227	19/ 6/82			MBSB E	SB SURVEY SWATH BK-4	GRD	33 03.5N	119 00.2W S	BONZ03WT
1227	19/ 6/82			MBSB B	SB SURVEY SWATH BK-5	GRD	33 03.5N	119 00.2W S	BONZ03WT
2004	19/ 6/82			MBSB E	SB SURVEY SWATH BK-5	GRD	32 42.5N	117 30.0W S	BONZ03WT
SEABEAM MAG TAPE - RAW LOGGED DATA									
1822	13/ 6/82			MBSB B	RAW MAG TAPE-01	GDC	32 33.2N	117 28.9W S	BONZ03WT
1934	19/ 6/82			MBSB E	RAW MAG TAPE-01	GDC	32 44.4N	117 35.9W S	BONZ03WT
SEABEAM SURVEY									
1523	15/ 6/82			MBSV B	SB SRVY WIGWAM SITE	GRD	28 46.0N	120 14.0W B	BONZ03WT
1620	15/ 6/82			MBSV E	SB SRVY WIGWAM SITE	GRD	28 44.6N	126 19.0W S	BONZ03WT
1312	17/ 6/82			MBSV B	SB SRVY NONAME SMT A	GRD	32 50.0N	120 14.0W B	BONZ03WT
1530	17/ 6/82			MBSV E	SB SRVY NONAME SMT A	GRD	32 40.0N	120 19.5W B	BONZ03WT
1600	17/ 6/82			MBSV B	SB SRVY SJUAN SMT	GRD	33 20.0N	120 30.0W B	BONZ03WT
0100	19/ 6/82			MBSV E	SB SRVY SJUAN SMT	GRD	32 40.0N	121 20.0W B	BONZ03WT
*** CORES ***									
2313	13/ 6/82			COBX X	NO RECOVERY	GRD	32 16.5N	118 25.0W S	BONZ03WT
0218	14/ 6/82			COBX X	NO RECOVERY	GRD	32 17.3N	118 25.3W S	BONZ03WT
1642	15/ 6/82			COBX X	NO RECOVERY	GRD	28 44.4N	126 19.2W S	BONZ03WT
2134	15/ 6/82			COBX X	NO RECOVERY	GRD	28 45.2N	126 20.8W S	BONZ03WT
0312	18/ 6/82			COGV B	GRAVITY CORE 3G	GRD	32 52.6N	120 55.0W S	BONZ03WT
0313	18/ 6/82			COGV E	GRAVITY CORE 3G	GRD	32 52.5N	120 54.9W S	BONZ03WT
0218	19/ 6/82			COGV B	GRAVITY CORE 4G	GRD	33 00.5N	120 56.1W S	BONZ03WT
0220	19/ 6/82			COGV E	GRAVITY CORE 4G	GRD	33 00.4N	120 56.1W S	BONZ03WT
*** PATHOGRAMS ***									
1826	13/ 6/82			DPR3 B	EPC 3.5KHZ R-01	GDC	32 33.2N	117 28.9W S	BONZ03WT
0525	15/ 6/82			DPR3 E	EPC 3.5KHZ R-01	GDC	29 45.8N	124 10.5W S	BONZ03WT
0532	15/ 6/82			DPR3 B	EPC 3.5KHZ R-02	GDC	29 45.1N	124 11.9W S	BONZ03WT
1820	17/ 6/82			DPR3 E	EPC 3.5KHZ R-02	GDC	33 08.3N	120 55.5W S	BONZ03WT
1820	17/ 6/82			DPR3 B	EPC 3.5KHZ R-03	GDC	33 08.3N	120 55.5W S	BONZ03WT
2031	19/ 6/82			DPR3 E	EPC 3.5KHZ R-03	GDC	32 40.6N	117 24.7W S	BONZ03WT

GMT TIME	D /M /Y DATE	LOC TIME	LOC TZ	CODE SAMP	SAMPLE IDENT.	CODE DISP	LAT.	LONG.	LEG-SHIP CRUISE
*** MAGNETOMETER ***									
1722	14/06/82			MGRA B	MAGNETICS R-01	GDC	30 55.3N	121 39.9W S	BONZ03WT
0053	19/06/82			MGRA E	MAGNETICS R-01	GDC	32 58.5N	120 55.1W S	BONZ03WT
*** SEISMIC REFLECTION PROFILES ***									
2315	15/ 6/82			SPRF B	AIRGUN SLOW R-01 2S	GDC	28 50.1N	126 09.1W S	BONZ03WT
0058	19/ 6/82			SPRF E	AIRGUN SLOW R-01 2S	GDC	32 58.5N	120 55.1W S	BONZ03WT
2315	15/ 6/82			SPRF B	AIRGUN SLOW R-01 4S	GDC	28 50.1N	126 09.1W S	BONZ03WT
0058	19/ 6/82			SPRF E	AIRGUN SLOW R-01 4S	GDC	32 58.5N	120 55.1W S	BONZ03WT
*** BATHYTHERMOGRAPH ***									
1802	14/ 6/82			BTXP	XBT 01	GDC	30 52.1N	121 47.8W S	BONZ03WT
9900				END	SAMPLE INDEX				BONZ03WT