INFORMAL REPORT AND INDEX OF

NAVIGATION, DEPTH, MAGNETIC AND SUBBOTTOM PROFILER DATA

(Issued November 1982)

CERES EXPEDITION

LEG 3

Acapulco, Mexico (13 August 1982)
to
Balboa, Panama (11 September 1982)

R/V T. Washington

Co-Chief Scientists - P. Lonsdale (SIO)
R. Batiza (Washington Univ.)

Resident Marine Tech - J. Boaz

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 NSF

GDC Cruise I.D.# - 201

INFORMAL REPORT AND INDEX OF NAVIGATION, DEPTH (SEA BEAM), 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 or 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.

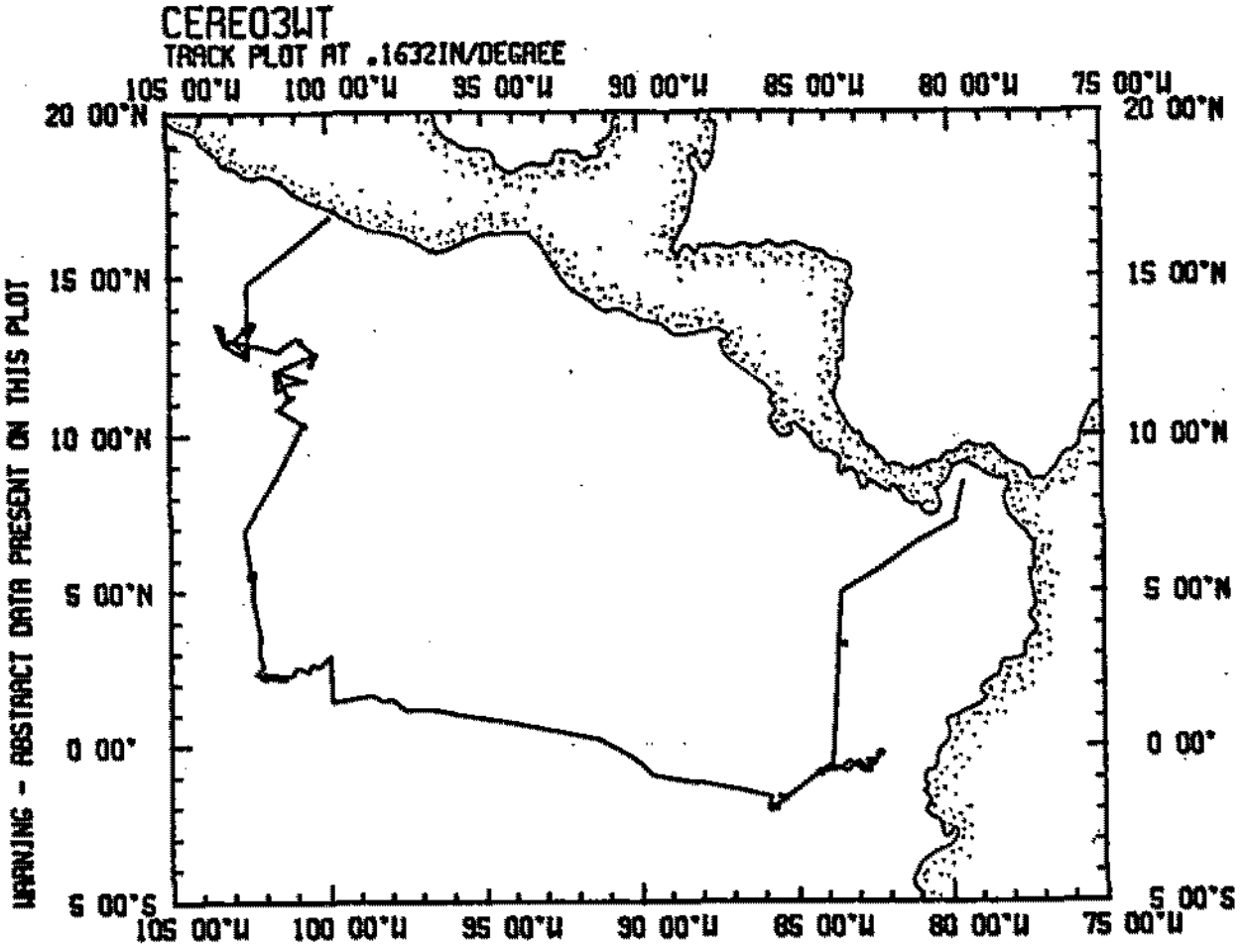
1) Archive copy of contour swath books generated in real time on board ship available for inspection at the data center.

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).

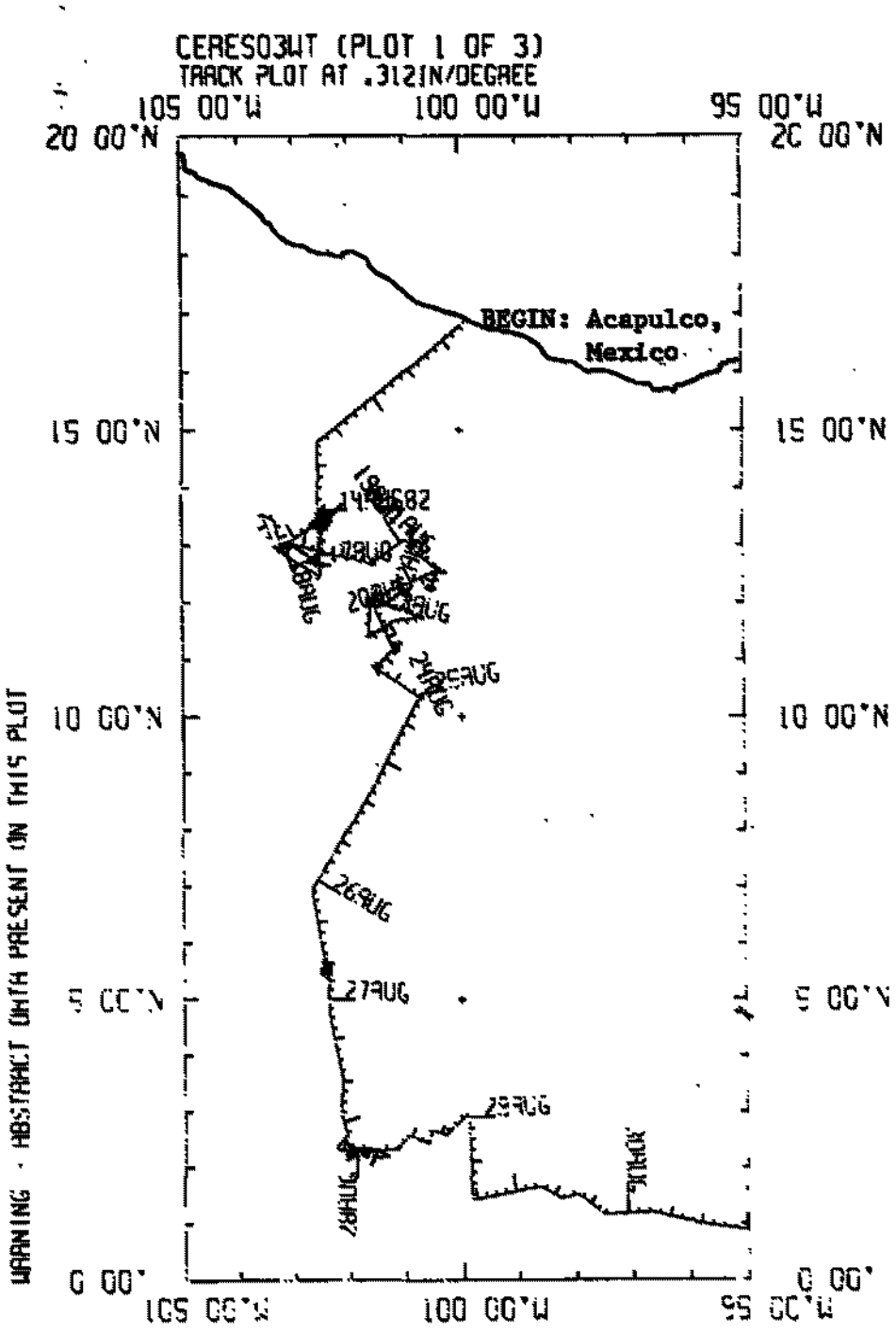
S. M. Smith June 1982

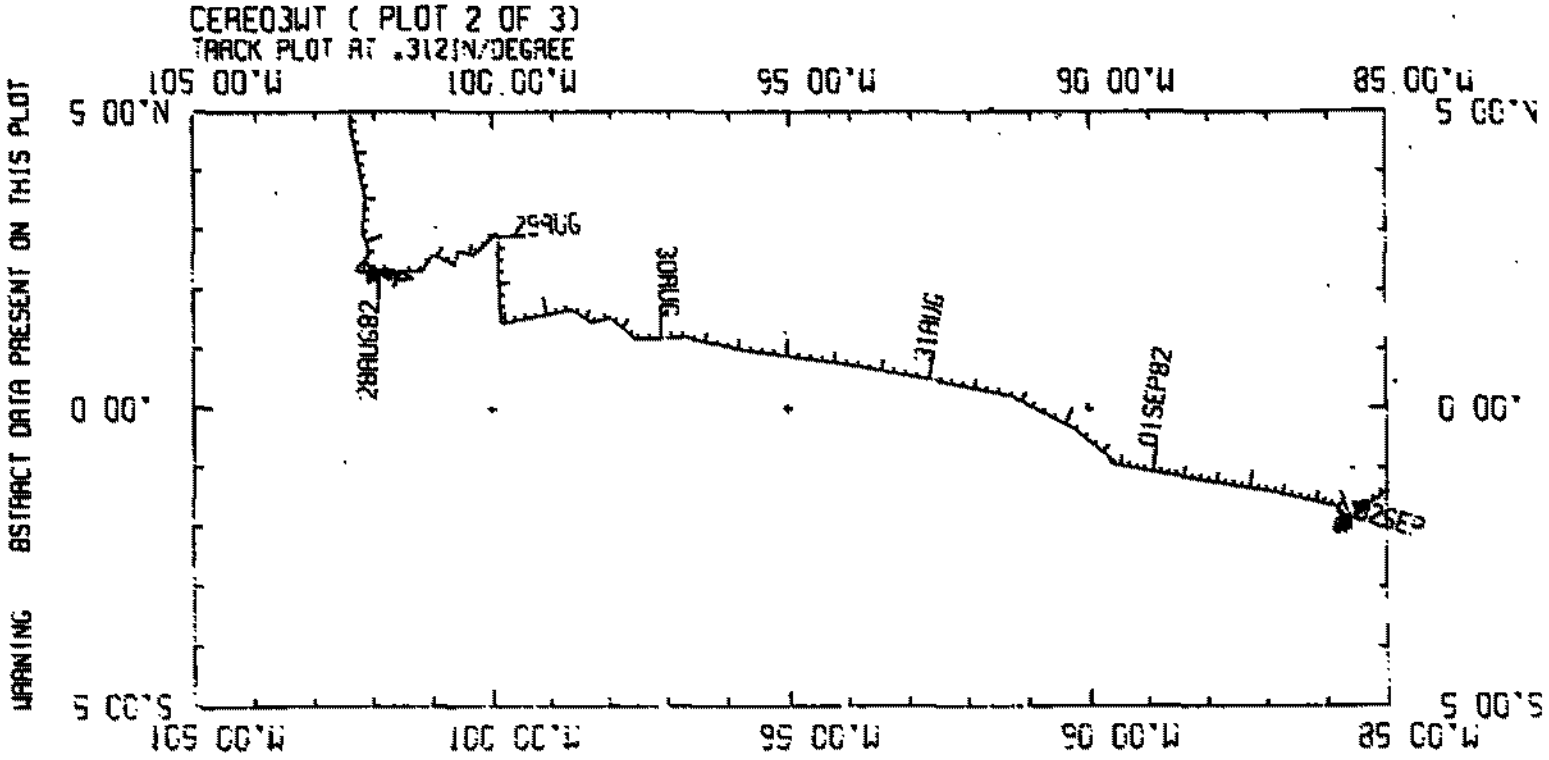


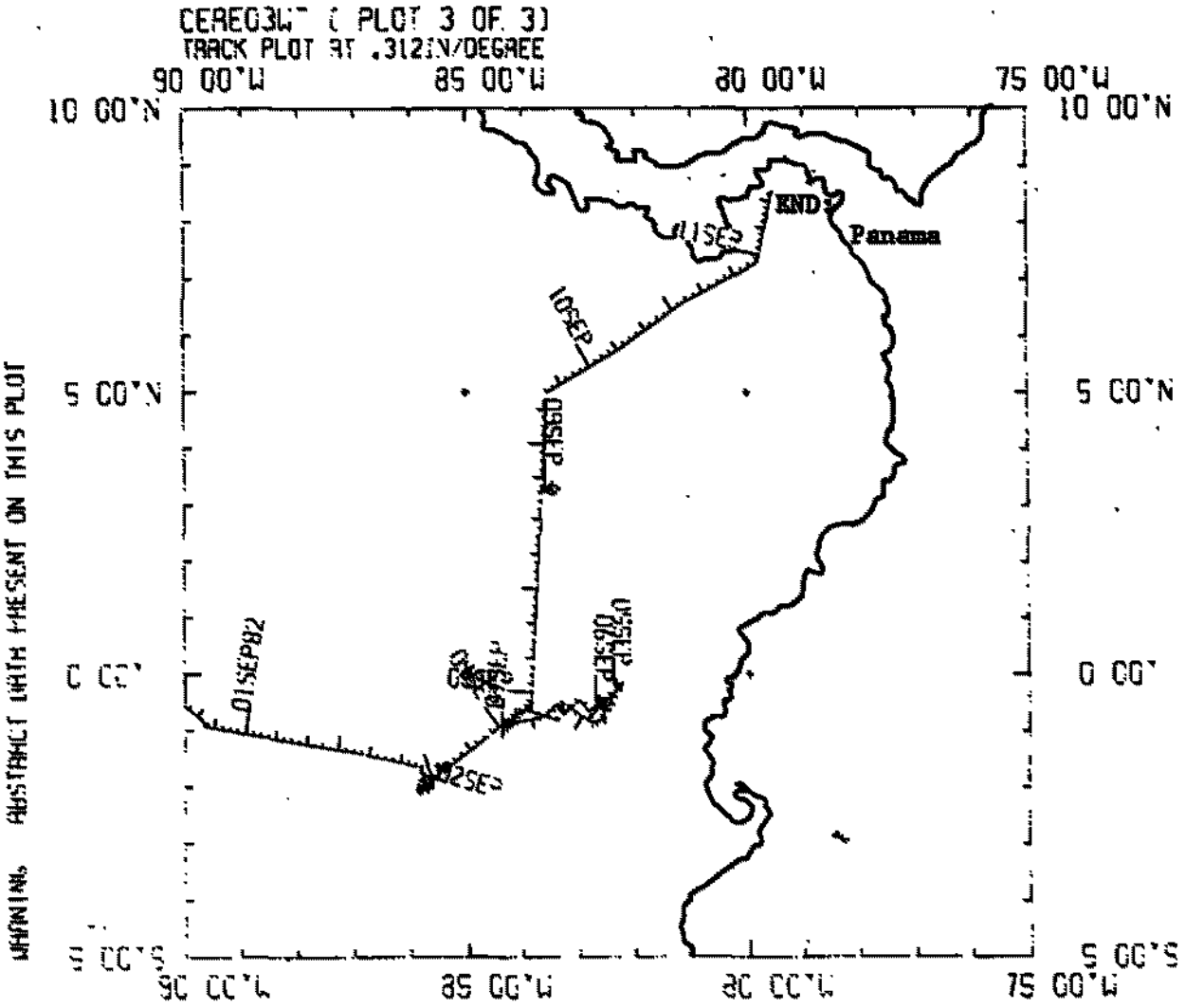
CERES EXPEDITION
LEG 3

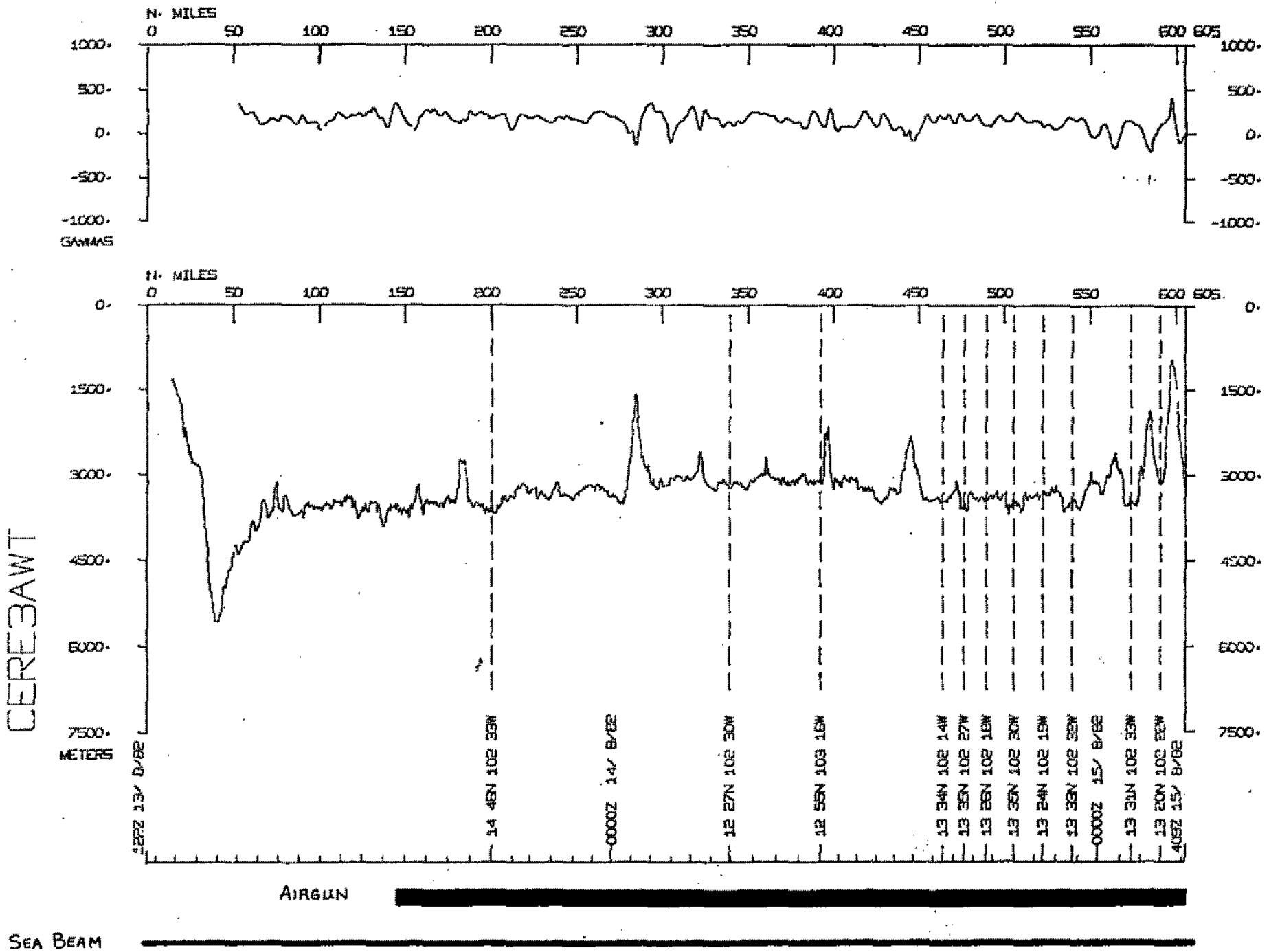
Co-Chief Scientists: P. Lonsdale (SIO)
R. Batiza (Washington University)
Ports: Acapulco, Mexico - Balboa, Panama
Dates: 13 August - 11 September, 1982
Ship: R/V T. Washington

TOTAL MILEAGE OF UNDERWAY DATA COLLECTED
1) Cruise - 6355 miles
2) Bathymetry - 6245 miles
3) Magnetics - 5740 miles
4) Seismic Reflection - 3105 miles
5) Gravity - 4069 miles
6) Seabeam - 6255 miles

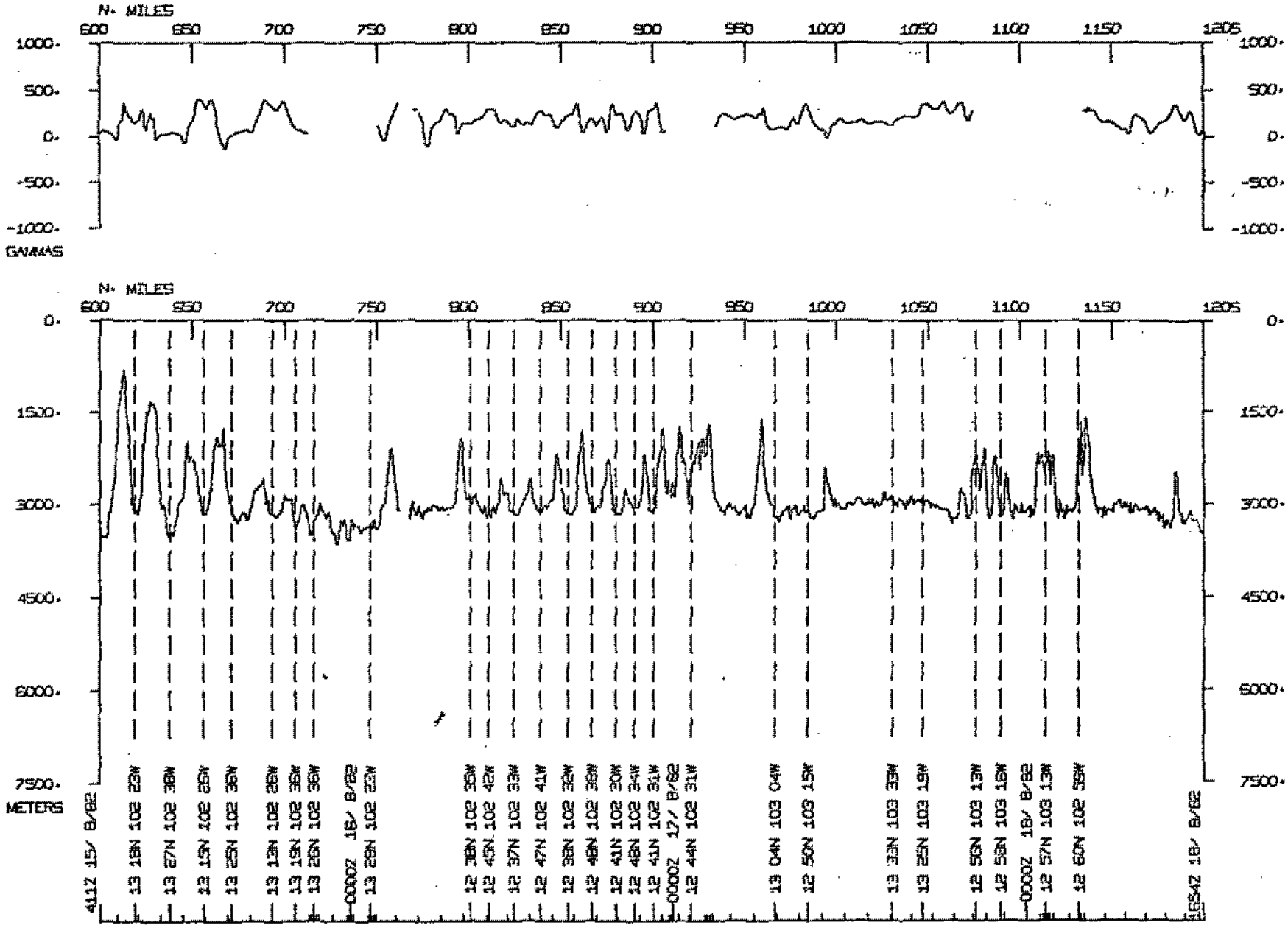

CERES03WT (PLOT 1 OF 3)
TRACK PLOT AT .3121N/DEGREE
105 00°W
100 00°W
95 00°W
20 00°N
15 00°N
10 00°N
5 00°N
0 00°
BEGIN: Acapulco, Mexico
26AUG
27AUG
28AUG
29AUG
WARNING - ABSTRACT DATA PRESENT ON THIS PLOT


CERE03WT (PLOT 2 OF 3)
TRACK PLOT AT .3121N/DEGREE
WARNING ABSTRACT DATA PRESENT ON THIS PLOT
105 00°W
100 00°W
95 00°W
90 00°W
85 00°W
5 00°N
0 00°
5 00°S
28AUG82
29AUG
30AUG
31AUG
01SEP82
02SEP


CEREG3W (PLOT 3 OF 3)
TRACK PLOT AT .312IN/DEGREE
90 00'W
85 00'W
80 00'W
75 00'W
10 00'N
5 00'N
0 00'
5 00'S
END
Panama
01SEP
10SEP
01SEP82
02SEP
WARNING: ABSTRACT WITH PRESENT ON THIS PLOT


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
1272 13/ 8/82
14 48N 102 33W
0000Z 14/ 8/82
12 27N 102 30W
12 55N 103 15W
13 34N 102 14W
13 35N 102 27W
13 36N 102 18W
13 35N 102 30W
13 24N 102 15W
13 33N 102 32W
0000Z 15/ 8/82
13 31N 102 33W
13 20N 102 22W
4082 15/ 8/82
AIRGUN
SEA BEAM

CERE3AWT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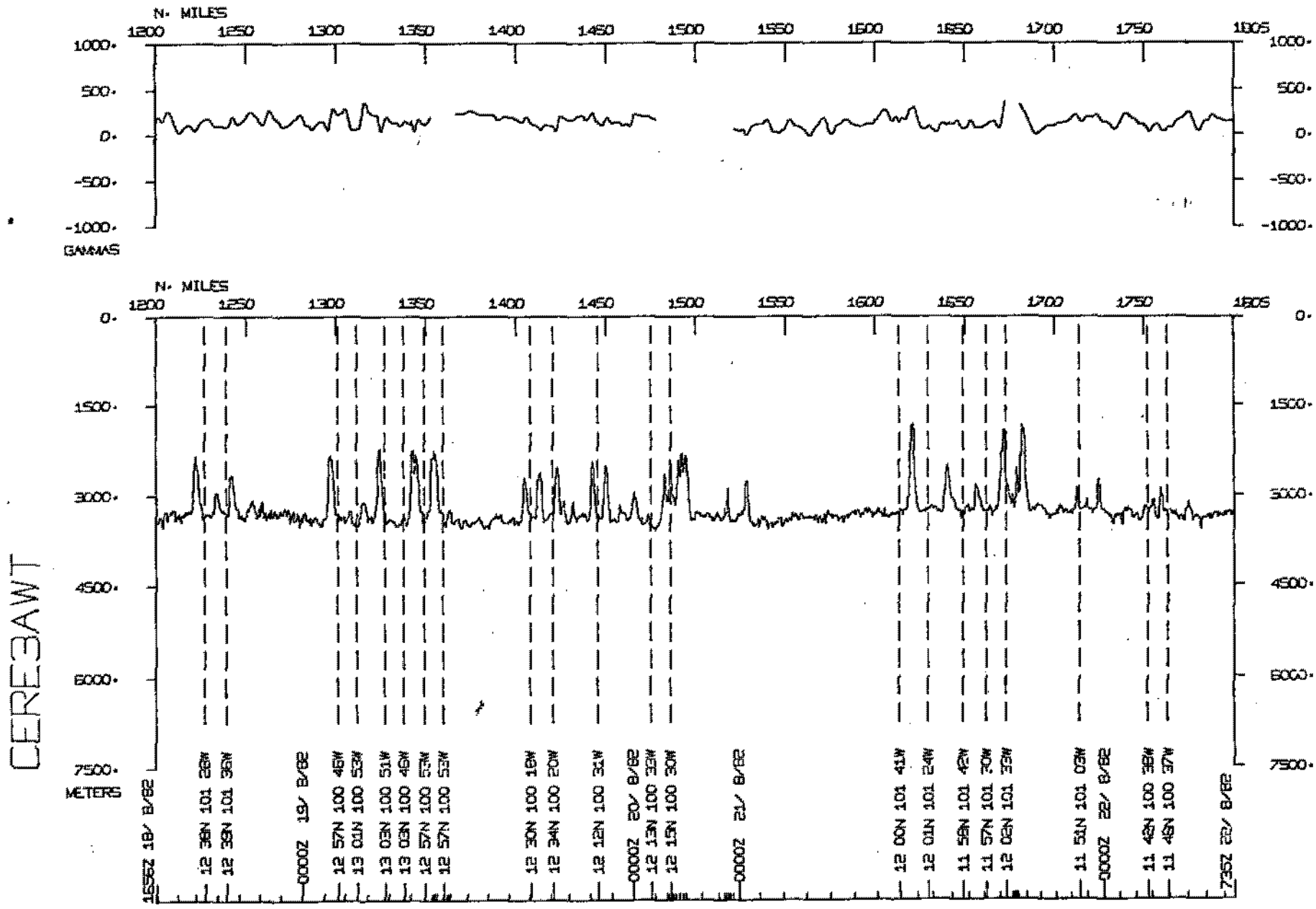
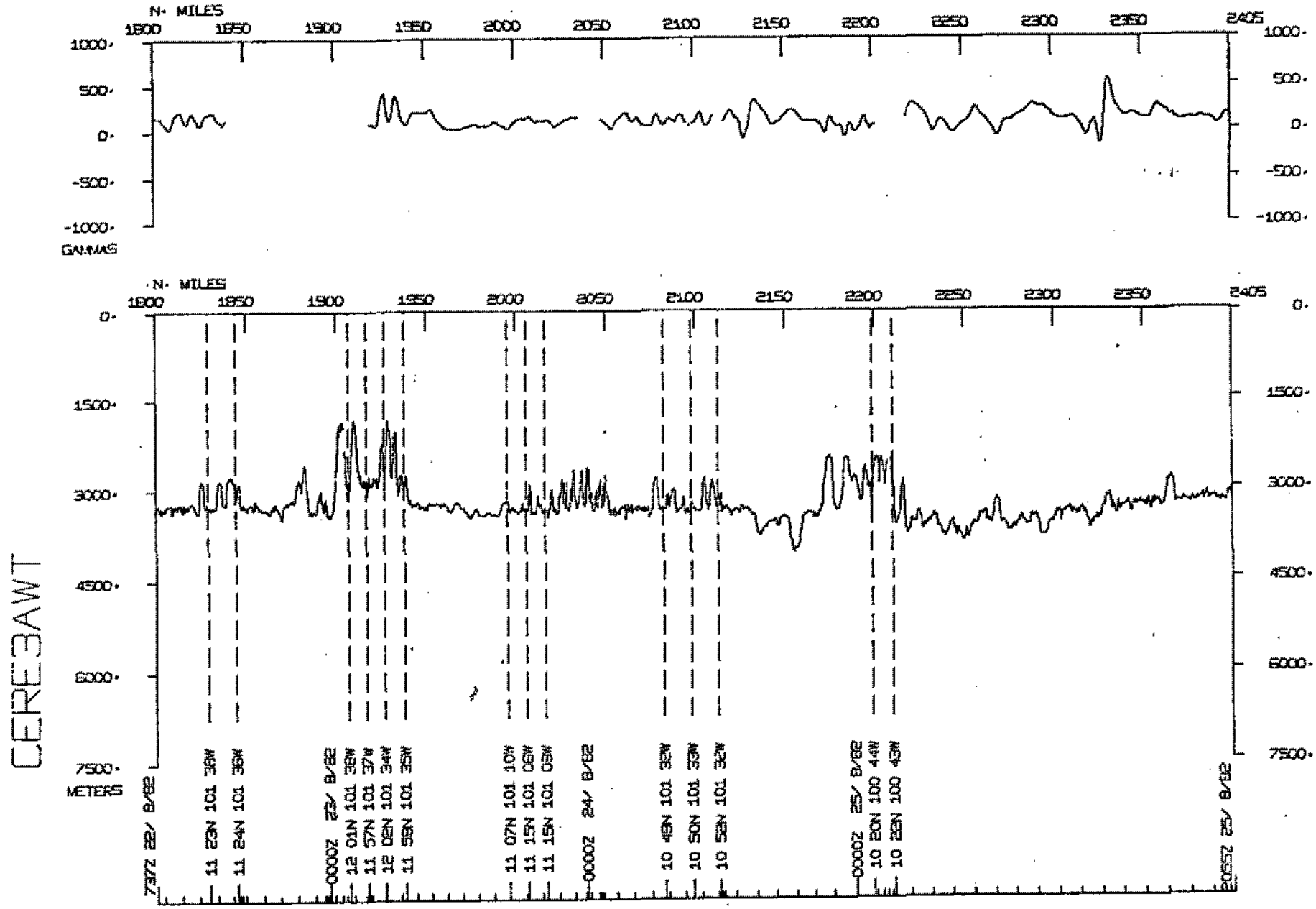
1000. 500. 0. -500. -1000.
GAMMAS
N. MILES
600 650 700 750 800 850 900 950 1000 1050 1100 1150 1205
0. 1500. 3000. 4500. 6000. 7500.
METERS
4112 15/ 8/82
13 18N 102 23W
13 27N 102 38W
13 15N 102 28W
13 25N 102 36W
13 13N 102 28W
13 19N 102 36W
13 26N 102 36W
0000Z 18/ 8/82
13 28N 102 23W
12 38N 102 36W
12 45N 102 42W
12 37N 102 33W
12 47N 102 41W
12 38N 102 32W
12 48N 102 38W
12 41N 102 30W
12 46N 102 34W
12 41N 102 31W
0000Z 17/ 8/82
12 44N 102 31W
13 04N 103 04W
12 50N 103 15W
13 33N 103 33W
13 25N 103 19W
12 55N 103 13W
12 58N 103 18W
0000Z 18/ 8/82
12 57N 103 13W
12 60N 102 55W
1654Z 18/ 8/82

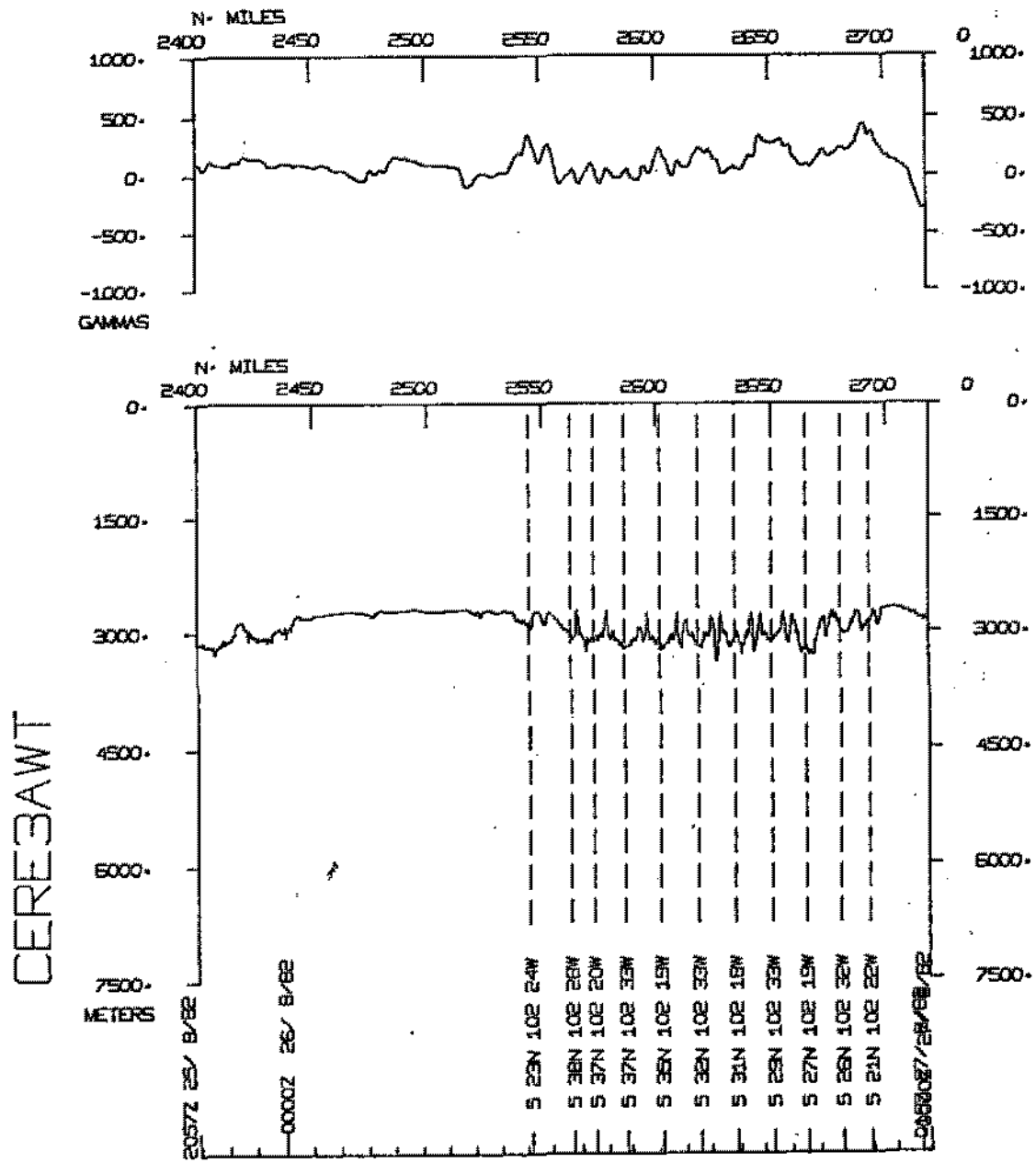
CERE3AWT


N. MILES
1200
1250
1300
1350
1400
1450
1500
1550
1600
1650
1700
1750
1805
1000.
500.
0.
-500.
-1000.
GAMMAS
N. MILES
0.
1500.
3000.
4500.
6000.
7500.
METERS
1556Z 18/ 8/82
12 38N 101 28W
12 38N 101 36W
0000Z 19/ 8/82
12 57N 100 46W
13 01N 100 53W
13 03N 100 51W
13 03N 100 49W
12 57N 100 53W
12 57N 100 53W
12 30N 100 18W
12 34N 100 20W
12 12N 100 31W
0000Z 20/ 8/82
12 13N 100 33W
12 15N 100 30W
0000Z 21/ 8/82
12 00N 101 41W
12 01N 101 24W
11 58N 101 42W
11 57N 101 30W
12 02N 101 39W
11 51N 101 03W
0000Z 22/ 8/82
11 42N 100 38W
11 49N 100 37W
735Z 22/ 8/82
CERE3AWT

[redacted]

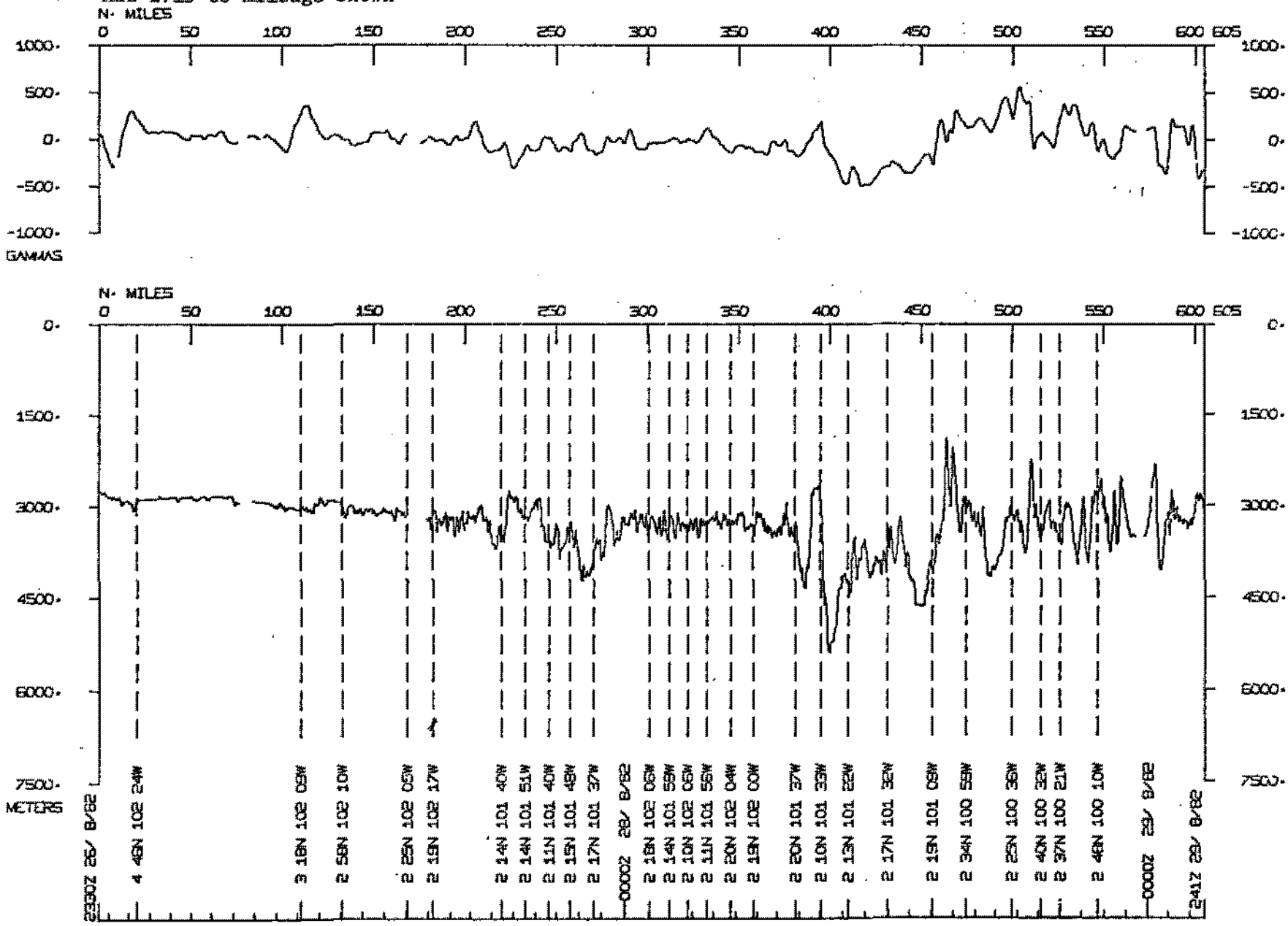

N. MILES
1800 1850 1900 1950 2000 2050 2100 2150 2200 2250 2300 2350 2405
1000. 500. 0. -500. -1000.
GAMMAS
N. MILES
1800 1850 1900 1950 2000 2050 2100 2150 2200 2250 2300 2350 2405
0. 1500. 3000. 4500. 6000. 7500.
METERS
7372 22/ 8/82
11 23N 101 38W
11 24N 101 36W
00002 23/ 8/82
12 01N 101 38W
11 57N 101 37W
12 02N 101 34W
11 55N 101 35W
11 07N 101 10W
11 15N 101 08W
11 15N 101 08W
00002 24/ 8/82
10 48N 101 32W
10 50N 101 33W
10 52N 101 32W
00002 25/ 8/82
10 20N 100 44W
10 23N 100 43W
2552 25/ 8/82

CERE3AWT



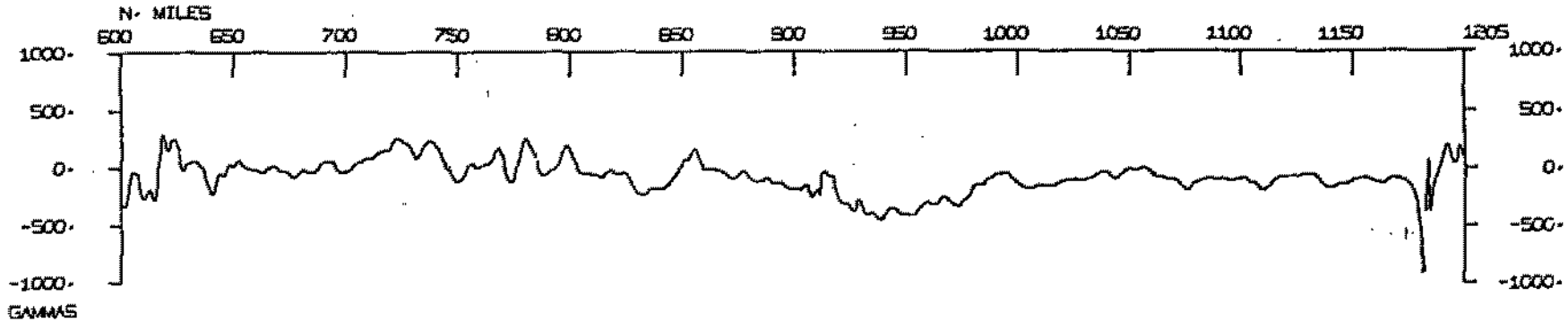
NOTE: Leg CERE03WT split into 2 parts for processing purposes only. Data are referred to and archived under the CERE03WT designation.

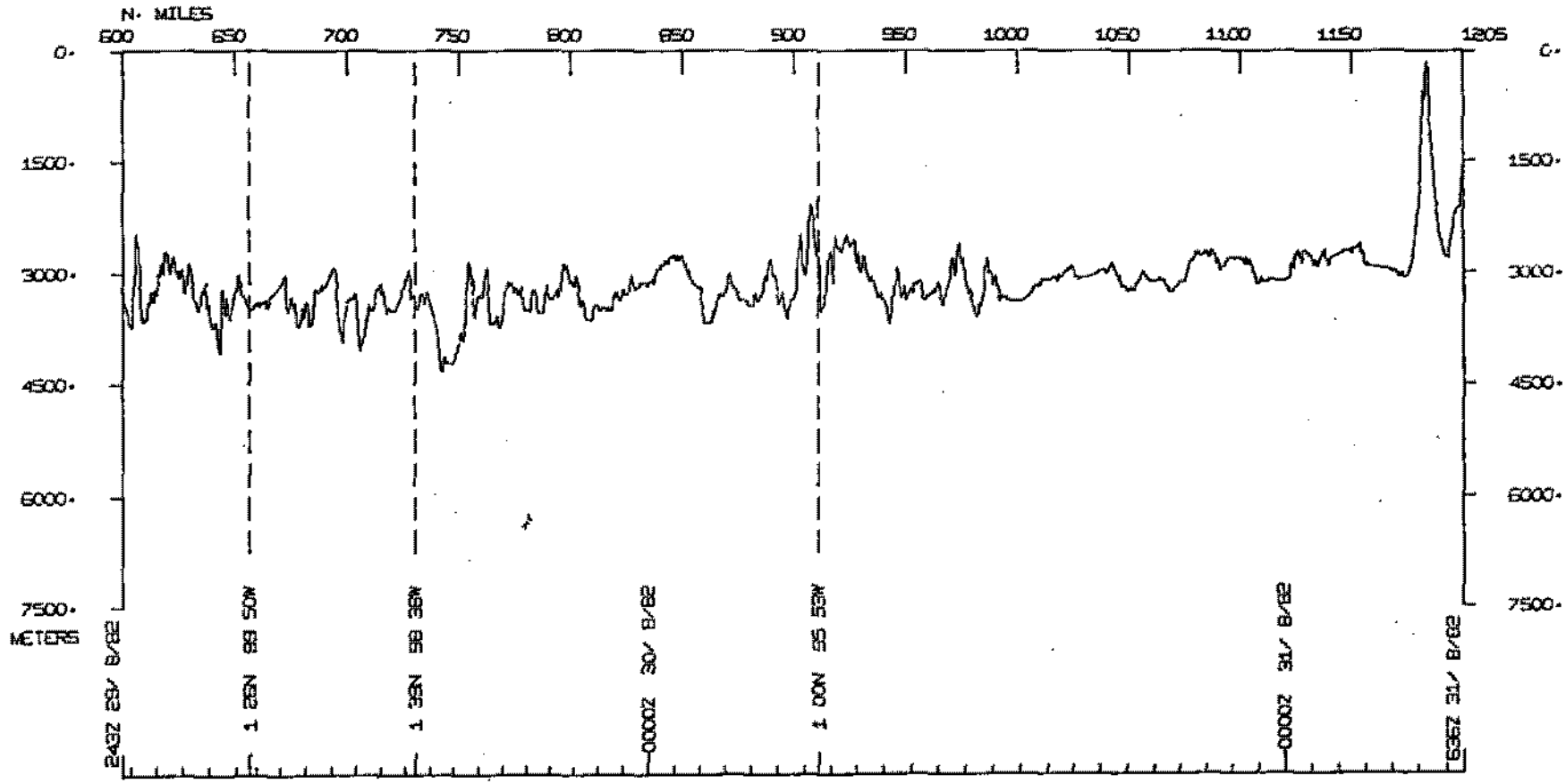
Add 2715 to mileage shown



CERE38WT

Add 2715 to mileage shown





CERE3BWT

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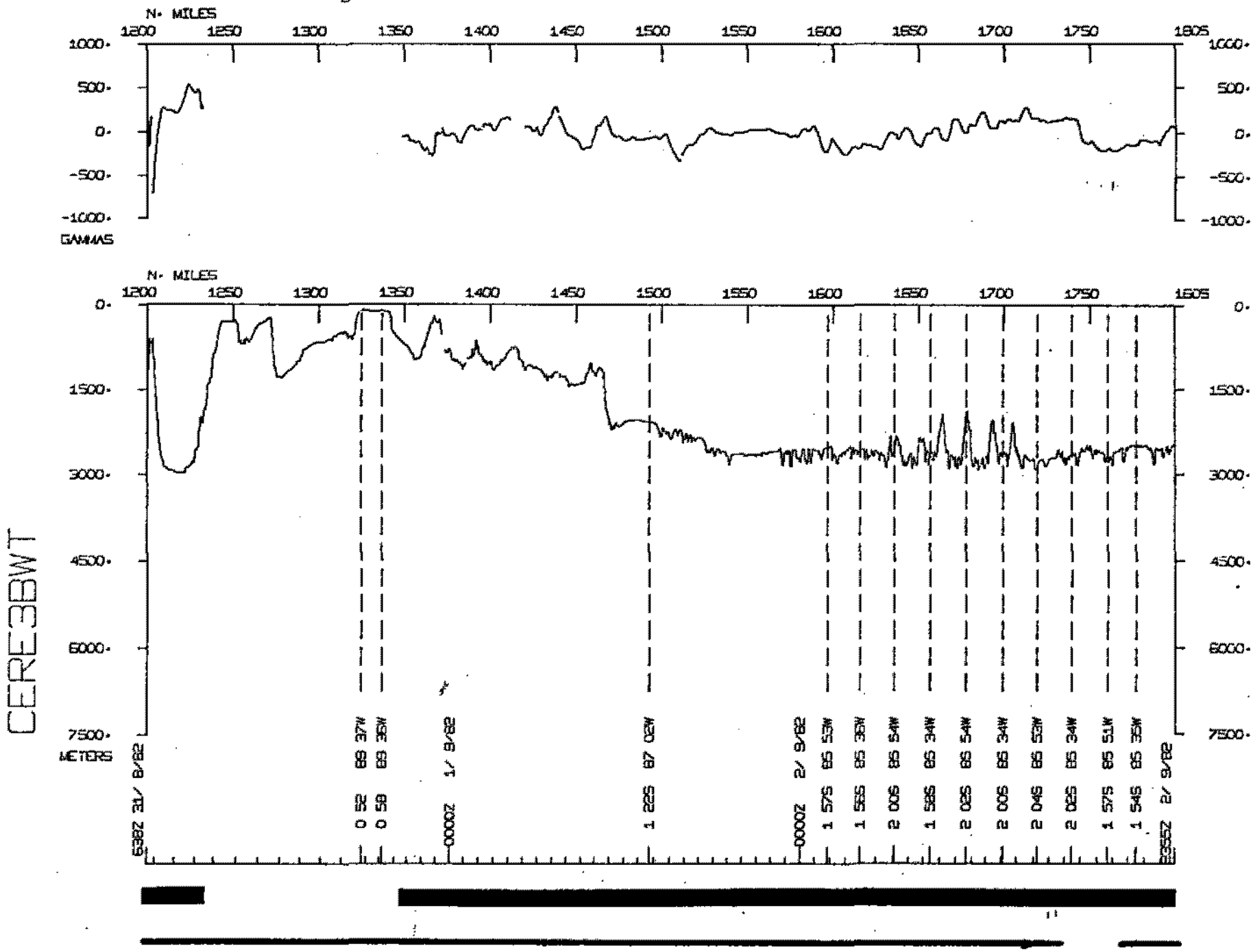
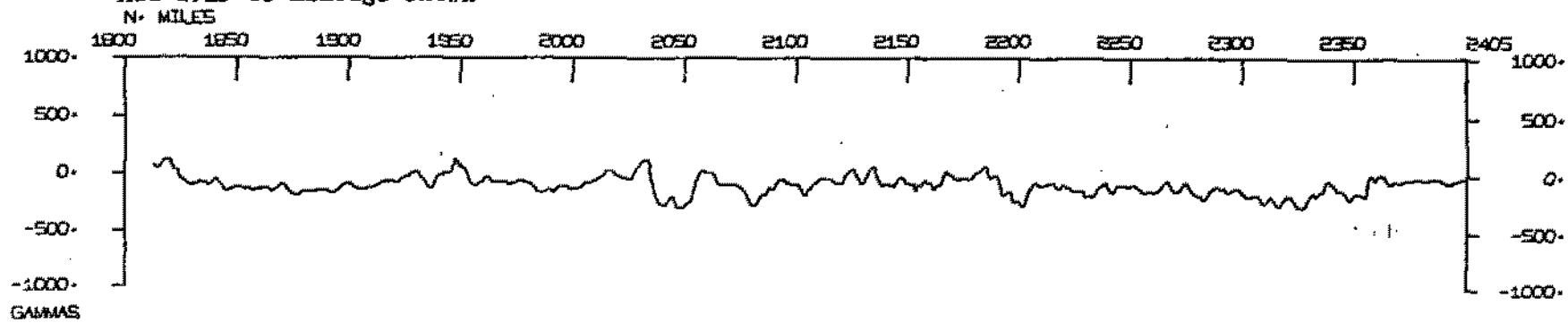
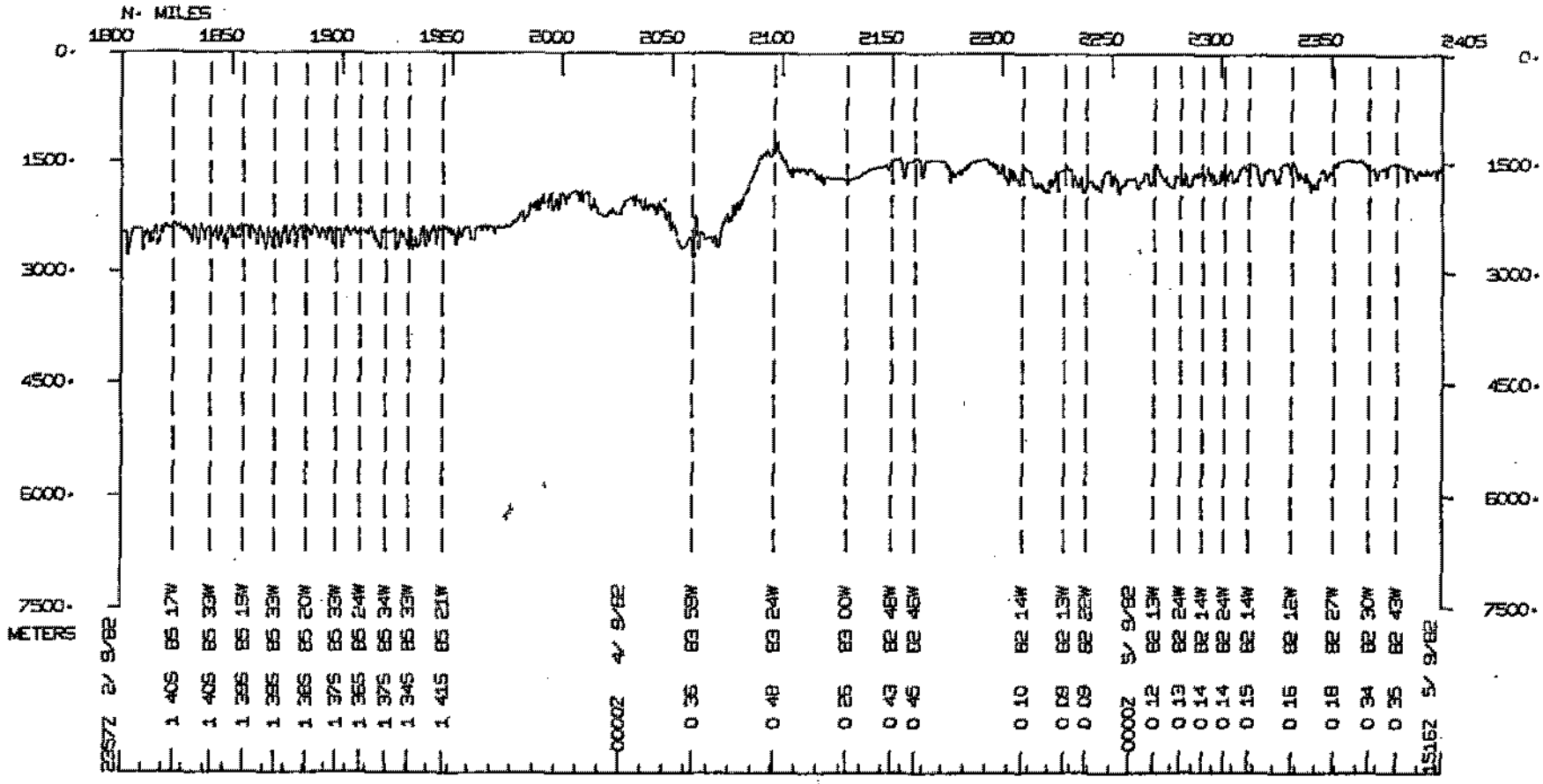


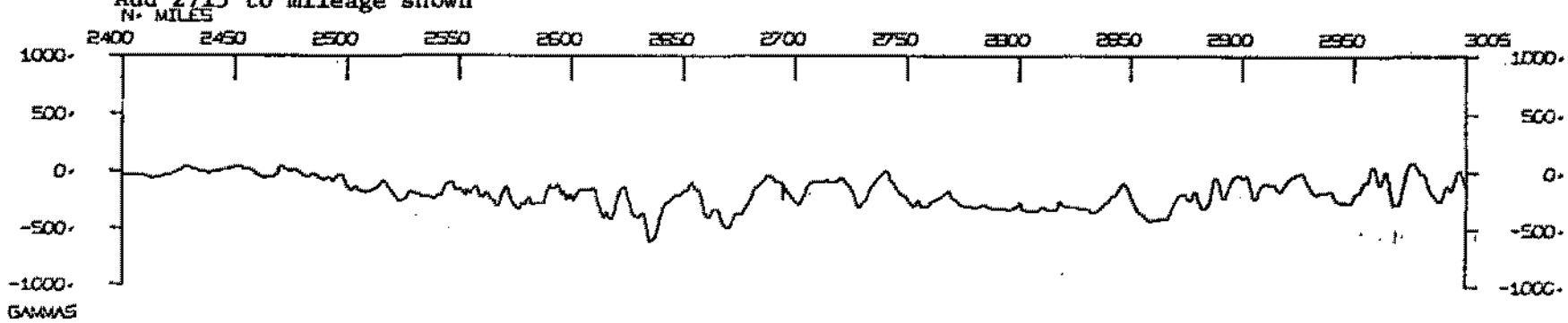
Add 2715 to mileage shown

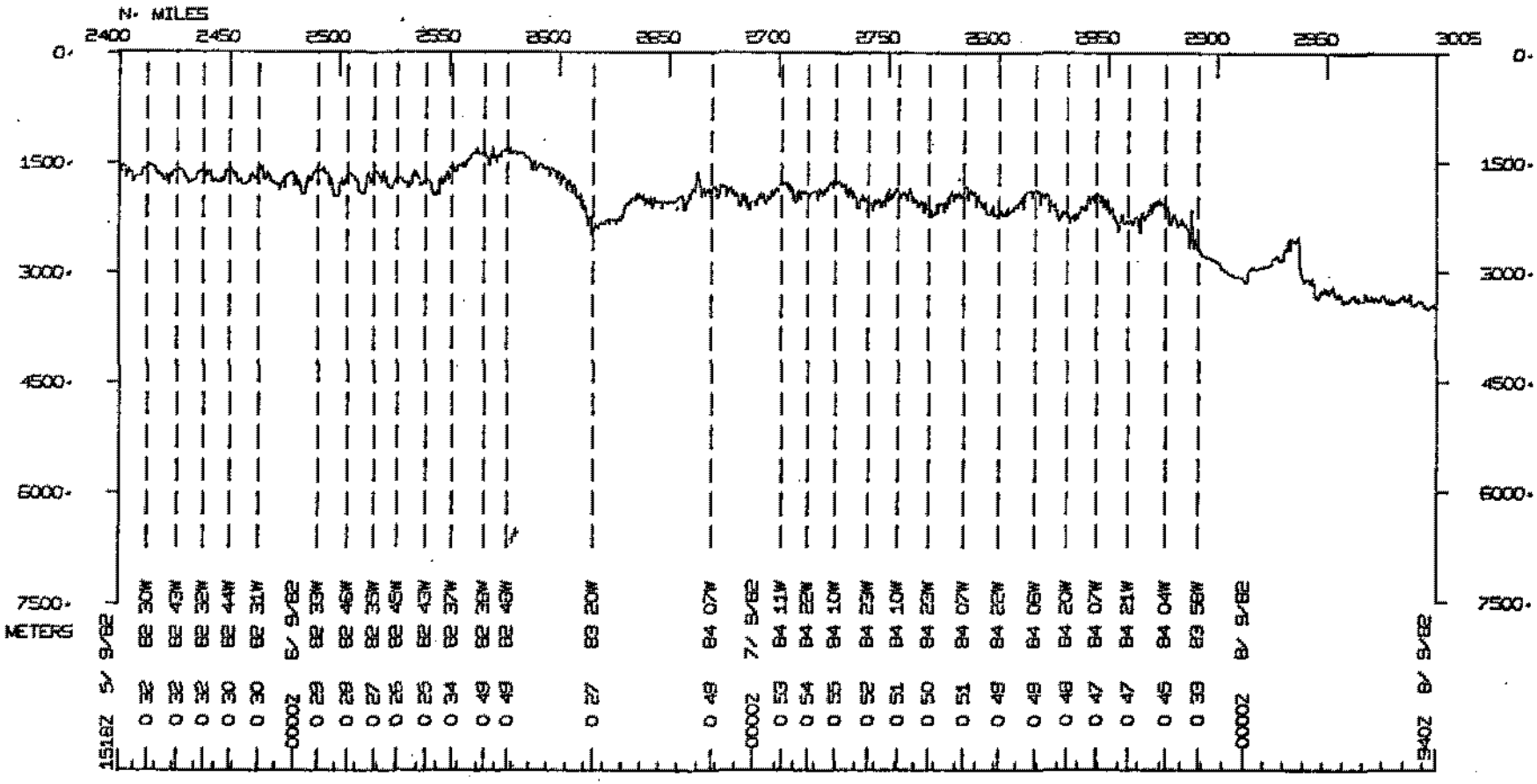




CERE3BWT

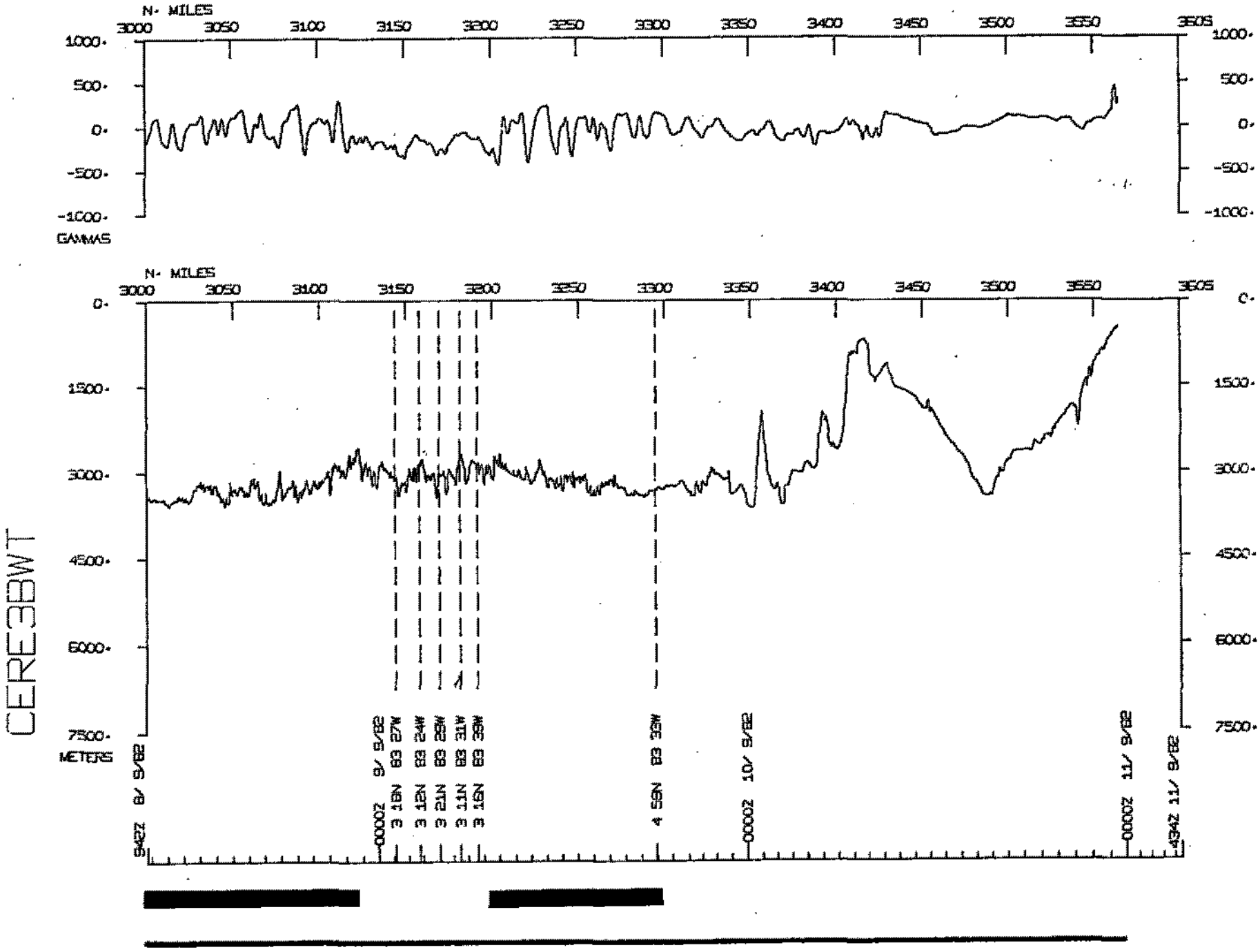
Add 2715 to mileage shown



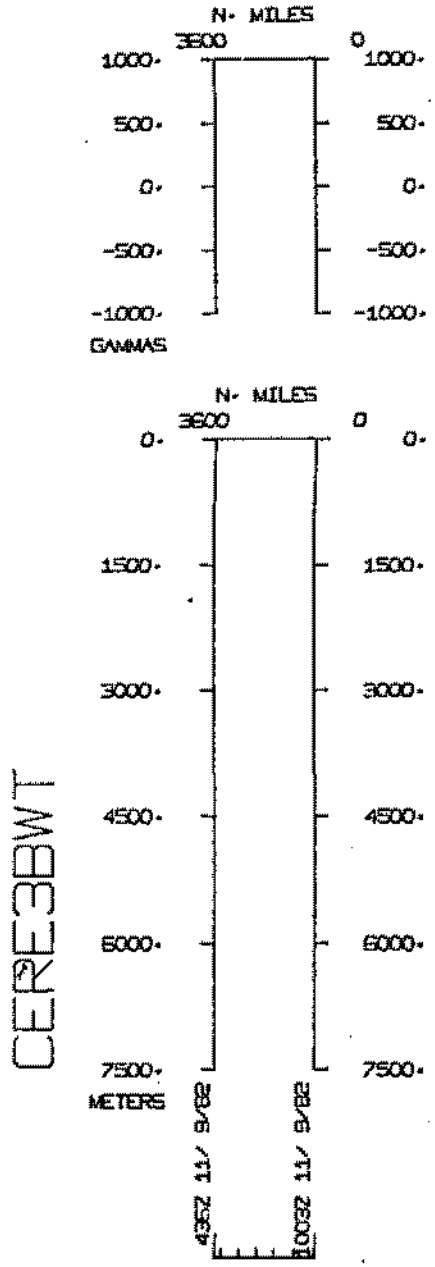


CERE3BWT

Add 2715 to mileage shown



Add 2715 to mileage shown



S.I.O. Sample Index

(Issued November 1982)

CERES EXPEDITION

Leg 3

Acapulco, Mexico (13 August 1982)
to
Balboa, Panama (11 September 1982)

R/V T. Washington

Co-Chief Scientists - P. Lonsdale (SIO)
R. Batiza (Washington Univ.)

Resident Marine Tech - J. Boaz

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

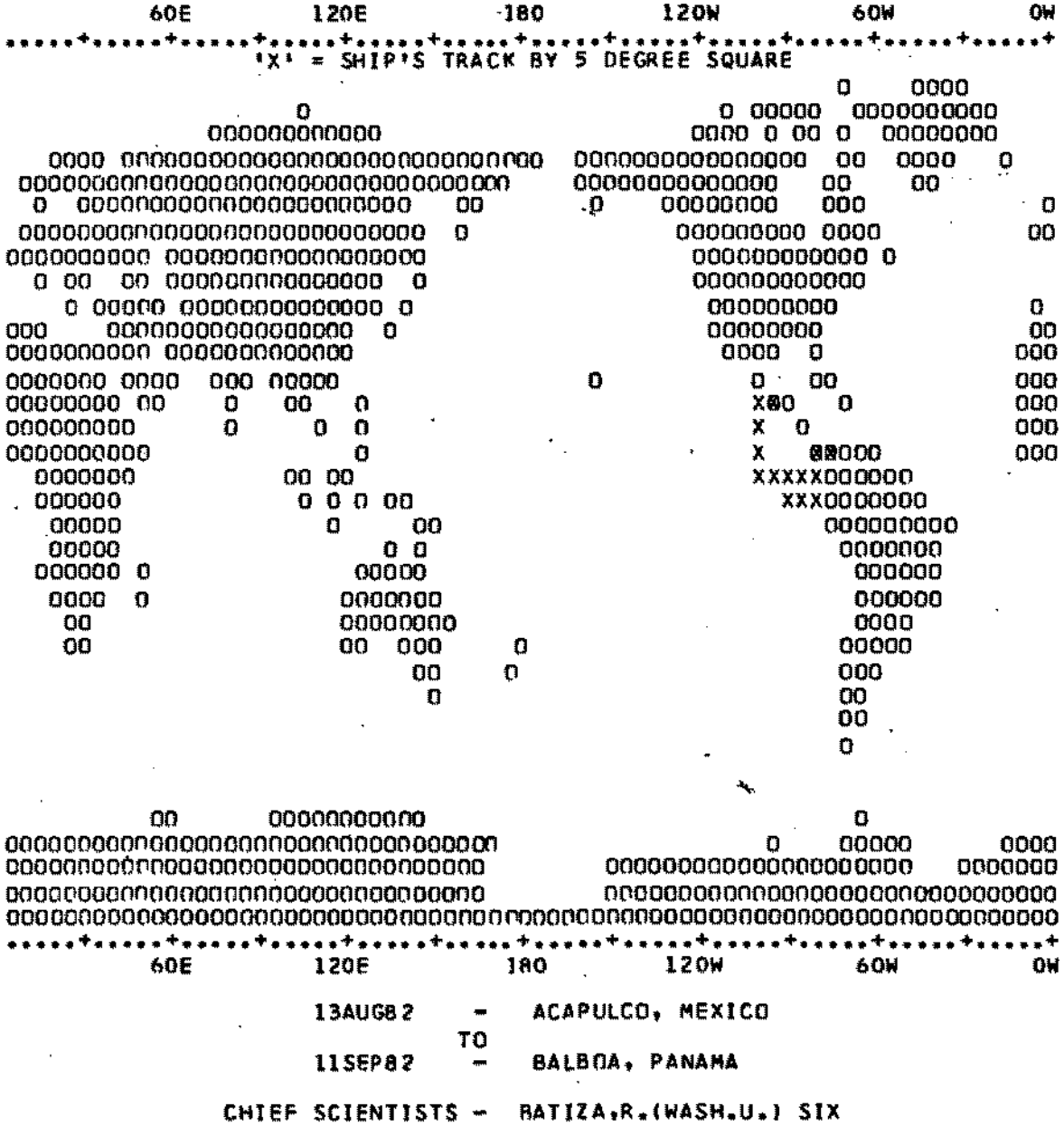
The Sample Index is a first level interdisciplinary listing of time, position, sample identification and disposition of all samples, records and measurements collected on this cruise leg. The index data are encoded at sea by the resident technician and processed on shore by the S.I.O. Geological Data 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.# - 201

S.I.O. SAMPLE INDEX GENERATED 30NOV82

*** CERES LEG 3 SAMPLE INDEX (CERE03WT) ***



13AUG82 - ACAPULCO, MEXICO
TO
11SEP82 - BALBOA, PANAMA

CHIEF SCIENTISTS - BATIZA,R.(WASH.U.) SIX
LONSDALE,P. MPL

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 DP	DR	GV	MB	MG	PE	SP	TOTAL
GCR		22						22
GDC	7			40	4		14	65
MPL						4		4
MTG						5		5
SIX						11		11
			2					4
TOTAL	7	22	2	40	4	20	14	109

SAMPLE 'TYPE' CODES USED ABOVE

DP = DEPTH
DR = DREDGE
GV = GRAVITY
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

GCR = GEOLOGICAL CURATING FACILITY — W. RIEDEL, (EXT. 4386)
GDC = GEOLOGICAL DATA CENTER -- S. SMITH (EXT. 2752)
MPL = MARINE PHYSICAL LAB. (EXT 2305)
MTG = MARINE TECHNOLOGY GROUP (EXT 4194)
SIX = SCRIPPS INSTITUTION NON-EMPLOYEE - CONTACT D. UTTER (EXT.3675)

GMT TIME	D /M /Y DATE	LOC TIME	LOC TZ	CODE SAMP	SAMPLE IDENT.	CODE DISP	LAT.	LONG.	LEG-SHIP CRUISE
					CERES LEG 3 SAMPLE INDEX				CERE03WT
*** PORTS ***									
0112	13/ 8/82			LGPT B	ACAPULCO, MEXICO		16 51. N	99 56. W	F CERE03WT
1430	11/ 9/82			LGPT E	BALBOA, PANAMA		08 35. N	79 34. W	F CERE03WT
1700	31/ 8/82			LGSS B	GALAPAGOS ISLANDS		00 54. S	89 36. W	F CERE03WT
1806	31/ 8/82			LGSS E	GALAPAGOS ISLANDS		00 54. S	89 36. W	F CERE03WT

PERSONNEL

*** NAME ***	*** TITLE ***	*** AFFILIATION ***
1 BATIZA,R.(WASH.U.)	CHIEF SCIENTIST	SCRIPPS INSTITUTION NON-EMPLOYEE - CONTACT D. UTTER (EXT.36
2 LONSDALE,P.	CHIEF SCIENTIST	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
3 BOAZ,J.	RESIDENT TECH	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
4 ABBOTT,L.	SEABEAM OPERATOR	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
5 CARTER,M.	COMPUTER TECH	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
6 CRAMPTON,P.	GEOPHYSIST TECH	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
7 ABRASANO,T.(W.U.)	STUDENT	SCRIPPS INSTITUTION NON-EMPLOYEE - CONTACT D. UTTER (EXT.367
8 CASTILLO,P.(W.U.)	STUDENT	SCRIPPS INSTITUTION NON-EMPLOYEE - CONTACT D. UTTER (EX 57
9 CATO,K.(W.U.)	STUDENT	SCRIPPS INSTITUTION NON-EMPLOYEE - CONTACT D. UTTER (EX. 67
10 DUNN,L.(W.U.)	STUDENT	SCRIPPS INSTITUTION NON-EMPLOYEE - CONTACT D. UTTER (EXT.367
11 HAIDDEGGER,A.	STUDENT	SCRIPPS INSTITUTION NON-EMPLOYEE - CONTACT D. UTTER (EXT.367
12 LINSER,M.	ENG. AIDE	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
13 MEINHOLD,T.	STUDENT	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
14 SMITH,D.	STUDENT	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
15 VANKO,D.(W.U.)	POST-DOC.	SCRIPPS INSTITUTION NON-EMPLOYEE - CONTACT D. UTTER (EXT.367
16 CASTRO,I.(C.R.)	OBSERVER	COSTA RICA
17 GUTIERREZ,A.(C.R.)	OBSERVER	COSTA RICA
18 ROMANS,P.	TECHNICIAN	SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA CAL. 92093
19 MOREANO,H.(EC.)	OBSERVER	ECUADOR
20 LOPEZ,E.(EC.)	OBSERVER	ECUADOR

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 TIME	D /M /Y DATE	LOC TIME	LOC TZ	CODE SAMP	SAMPLE IDENT.	CODE DISP	LAT.	LONG.	LEG-SHI CRUISE

**** UNDERWAY DATA CURATOR - STUART M. SMITH EXT. 2752 ***

*** FATHOGRAMS ***

0231	13/ 8/82			DPR3 B EPC 3.5KHZ	R-01	GDC	16 42.8N	99 59.8W	S CERE03W
0118	15/ 8/82			DPR3 E EPC 3.5KHZ	R-01	GDC	13 29.6N	102 30.9W	S CERE03W
0118	15/ 8/82			DPR3 B EPC 3.5KHZ	R-02	GDC	13 29.6N	102 30.9W	S CERE03W
0117	18/ 8/82			DPR3 E EPC 3.5KHZ	R-02	GDC	12 56.6N	103 13.2W	S CERE03W
0137	18/ 8/82			DPR3 B EPC 3.5KHZ	R-03	GDC	12 56.1N	103 13.3W	S CERE03W
1300	21/ 8/82			DPR3 E EPC 3.5KHZ	R-03	GDC	11 58.6N	101 33.5W	S CERE03W
1326	21/ 8/82			DPR3 B EPC 3.5KHZ	R-04	GDC	12 02.4N	101 33.5W	S CERE03W
0603	23/ 8/82			DPR3 E EPC 3.5KHZ	R-04	GDC	11 57.9N	101 37.3W	S CERE03W
0610	23/ 8/82			DPR3 B EPC 3.5KHZ	R-05	GDC	11 57.9N	101 37.3W	S CERE03W
1821	25/ 8/82			DPR3 E EPC 3.5KHZ	R-05	GDC	08 05.6N	101 59.8W	S CERE03W
1823	25/ 8/82			DPR3 B EPC 3.5KHZ	R-06	GDC	08 05.3N	101 60.0W	S CERE03W
0704	4/ 9/82			DPR3 E EPC 3.5KHZ	R-06	GDC	00 48.6S	83 24.6W	S CERE03W
0709	4/ 9/82			DPR3 B EPC 3.5KHZ	R-07	GDC	00 48.2S	83 23.9W	S CERE03W
0257	8/ 9/82			DPR3 E EPC 3.5KHZ	R-07	GDC	00 08.7N	83 47.5W	S CERE03W

SEISMIC REFLECTION PROFILER

1930	13/ 8/82			SPRF B AIRGUN-FAST	R-01	GDC	14 29.7N	102 34.3W	S CERE03W
2346	13/ 8/82			SPRF E AIRGUN-FAST	R-01	GDC	13 38.9N	102 34.1W	S CERE03W
2359	13/ 8/82			SPRF B AIRGUN-FAST	R-02	GDC	13 36.5N	102 33.9W	S CERE03W
0106	20/ 8/82			SPRF E AIRGUN-FAST	R-02	GDC	12 15.1N	100 34.1W	S CERE03W
0805	29/ 8/82			SPRF B AIRGUN-FAST	R-03	GDC	01 26.7N	99 47.1W	S CERE03W
0702	1/ 9/82			SPRF E AIRGUN-FAST	R-03	GDC	01 13.1S	87 58.4W	S CERE03W
0710	1/ 9/82			SPRF B AIRGUN-FAST	R-04	GDC	01 13.2S	87 57.2W	S CERE03W
0904	3/ 9/82			SPRF E AIRGUN-FAST	R-04	GDC	01 38.5S	85 20.2W	S CERE03W
0911	3/ 9/82			SPRF B AIRGUN-FAST	R-05	GDC	01 37.8S	85 20.1W	S CERE03W
1815	5/ 9/82			SPRF E AIRGUN-FAST	R-05	GDC	00 32.3S	82 43.8W	S CERE03W
1819	5/ 9/82			SPRF B AIRGUN-FAST	R-06	GDC	00 31.9S	82 43.7W	S CERE03W
0502	8/ 9/82			SPRF E AIRGUN-FAST	R-06	GDC	00 27.3N	83 45.8W	S CERE03W
0515	8/ 9/82			SPRF B AIRGUN-FAST	R-07	GDC	00 29.3N	83 45.7W	S CERE03W
1816	9/ 9/82			SPRF E AIRGUN-FAST	R-07	GDC	05 01.2N	83 30.5W	S CERE03W

GMT TIME	D /M /Y DATE	LOC TIME	LOC TZ	CODE SAMP	SAMPLE IDENT.		CODE DISP	LAT.	LONG.	LEG-SHIP CRUISE
1930	13/ 8/82			SPRS B	AIRGUN-SLOW	R-01	GDC	14 29.7N	102 34.3W	S CERE03WT
1425	14/ 8/82			SPRS E	AIRGUN-SLOW	R-01	GDC	13 23.0N	102 35.5W	S CERE03WT
1434	14/ 8/82			SPRS B	AIRGUN-SLOW	R-02	GDC	13 23.8N	102 34.1W	S CERE03WT
0105	20/ 8/82			SPRS E	AIRGUN-SLOW	R-02	GDC	12 15.0N	100 34.1W	S CERE03WT
0805	29/ 8/82			SPRS B	AIRGUN-SLOW	R-03	GDC	01 26.7N	99 47.1W	S CERE03WT
0921	31/ 8/82			SPRS E	AIRGUN-SLOW	R-03	GDC	00 00.2S	90 53.3W	S CERE03WT
2039	31/ 8/82			SPRS B	AIRGUN-SLOW	R-04	GDC	01 02.3S	89 25.2W	S CERE03WT
0254	3/ 9/82			SPRS E	AIRGUN-SLOW	R-04	GDC	01 40.3S	85 20.0W	S CERE03WT
0300	3/ 9/82			SPRS B	AIRGUN-SLOW	R-05	GDC	01 40.3S	85 21.0W	S CERE03WT
0918	5/ 9/82			SPRS E	AIRGUN-SLOW	R-05	GDC	00 15.6S	82 22.8W	S CERE03WT
0928	5/ 9/82			SPRS B	AIRGUN-SLOW	R-06	GDC	00 16.5S	82 24.0W	S CERE03WT
1829	7/ 9/82			SPRS E	AIRGUN-SLOW	R-06	GDC	00 47.0S	84 21.4W	S CERE03WT
1840	7/ 9/82			SPRS B	AIRGUN-SLOW	R-07	GDC	00 46.4S	84 20.3W	S CERE03WT
1816	9/ 9/82			SPRS E	AIRGUN-SLOW	R-07	GDC	05 01.2N	83 30.5W	S CERE03WT

*** MAGNETOMETER ***

0231	13/ 8/82			MGRA B	MAGNETICS	R-01	GDC	16 42.8N	99 59.8W	S CERE03WT
2123	19/ 8/82			MGRA E	MAGNETICS	R-01	GDC	12 23.2N	100 25.8W	S CERE03WT
0722	21/ 8/82			MGRA B	MAGNETICS	R-02	GDC	12 00.7N	101 36.4W	S CERE03WT
1800	2/ 9/82			MGRA E	MAGNETICS	R-02	GDC	01 57.6S	85 36.2W	S CERE03WT
1925	4/ 9/82			MGRA B	MAGNETICS	R-03	GDC	00 10.6S	82 20.5W	S CERE03WT
0445	9/ 9/82			MGRA E	MAGNETICS	R-03	GDC	03 17.7N	83 31.8W	S CERE03WT
0624	9/ 9/82			MGRA B	MAGNETICS	R-04	GDC	03 16.4N	83 36.8W	S CERE03WT
2330	10/ 9/82			MGRA E	MAGNETICS	R-04	GDC	07 22.7N	79 45.6W	S CERE03WT

GRAVIMETRIC RECORDS CURATOR L.M. DORMAN (EXT.2406)

0112	13/08/82			GVRA B	GRAVIMETER	R-01	GDC	16 42.8N	99 59.8W	S CERE03WT
0630	25/08/82			GVRA E	GRAVIMETER	R-01		10 10.2N	100 50.9W	S CERE03WT
0638	25/08/82			GVRA B	GRAVIMETER	R-02		10 09.9N	100 51.3W	S CERE03WT
2020	31/08/82			GVRA E	GRAVIMETER	R-02		01 01.6S	89 27.3W	S CERE03WT

SEABEAM MONITOR RECORD - VERTICAL BEAM

0231	13/ 8/82			MBMR B	SB UGR MONITOR	R-01	GDC	16 42.8N	99 59.8W	S CERE03WT
2100	15/ 8/82			MBMR E	SB UGR MONITOR	R-01	GDC	13 29.5N	102 30.7W	S CERE03WT
2128	15/ 8/82			MBMR B	SB UGR MONITOR	R-02	GDC	13 31.9N	102 27.3W	S CERE03WT
1400	19/ 8/82			MBMR E	SB UGR MONITOR	R-02	GDC	12 58.7N	100 53.0W	S CERE03WT

GMT TIME	D /M /Y DATE	LOC TIME	LOC TZ	CODE SAMP	SAMPLE IDENT.	CODE DISP	LAT.	LONG.	LEG-SHIP CRUISE
1430	19/ 8/82			MBMR B	SB UGR MONITOR R-03	GDC	12 58.6N	100 53.0W	S CERE03WT
0319	23/ 8/82			MBMR E	SB UGR MONITOR R-03	GDC	12 01.5N	101 36.9W	S CERE03WT
0352	23/ 8/82			MBMR B	SB UGR MONITOR R-04	GDC	12 01.1N	101 37.3W	S CERE03WT
1840	25/ 8/82			MBMR E	SB UGR MONITOR R-04	GDC	08 02.4N	102 02.1W	S CERE03WT
1844	25/ 8/82			MBMR B	SB UGR MONITOR R-05	GDC	08 01.7N	102 02.5W	S CERE03WT
0805	31/ 8/82			MBMR E	SB UGR MONITOR R-05	GDC	00 06.4N	91 07.0W	S CERE03WT
0827	31/ 8/82			MBMR B	SB UGR MONITOR R-06	GDC	00 04.6N	91 03.0W	S CERE03WT
0232	5/ 9/82			MBMR E	SB UGR MONITOR R-06	GDC	00 13.7S	82 23.2W	S CERE03WT
0235	5/ 9/82			MBMR B	SB UGR MONITOR R-07	GDC	00 13.7S	82 22.7W	S CERE03WT
0413	10/ 9/82			MBMR E	SB UGR MONITOR R-07	GDC	05 45.6N	82 15.1W	S CERE03WT
0413	10/ 9/82			MBMR B	SB UGR MONITOR R-08	GDC	05 45.6N	82 15.1W	S CERE03WT
2330	10/ 9/82			MBMR E	SB UGR MONITOR R-08	GDC	07 22.7N	79 45.6W	S CERE03WT

SEABEAM SWATH BOOK - REALTIME CONTOUR SWATH

0250	13/ 8/82			MBSB B	SB SWATH BOOK 01	GDC	16 41.1N	100 01.9W	S CERE03W
0223	14/ 8/82			MBSB E	SB SWATH BOOK 01	GDC	13 08.7N	102 31.7W	S CERE03W
0229	14/ 8/82			MBSB B	SB SWATH BOOK 02	GDC	13 07.6N	102 31.7W	S CERE03W
0351	15/ 8/82			MBSB E	SB SWATH BOOK 02	GDC	13 25.0N	102 30.3W	S CERE03W
0357	15/ 8/82			MBSB B	SB SWATH BOOK 03	GDC	13 25.9N	102 31.3W	S CERE03W
1745	16/ 8/82			MBSB E	SB SWATH BOOK 03	GDC	12 48.5N	102 38.5W	S CERE03W
1746	16/ 8/82			MBSB B	SB SWATH BOOK 04	GDC	12 48.7N	102 38.4W	S CERE03W
0211	18/ 8/82			MBSB E	SB SWATH BOOK 04	GDC	12 56.6N	103 13.5W	S CERE03W
0509	18/ 8/82			MBSB B	SB SWATH BOOK 05	GDC	12 56.4N	103 13.6W	S CERE03W
1630	19/ 8/82			MBSB E	SB SWATH BOOK 05	GDC	12 47.8N	100 42.2W	S CERE03W
1635	19/ 8/82			MBSB B	SB SWATH BOOK 06	GDC	12 47.1N	100 41.5W	S CERE03W
1003	21/ 8/82			MBSB E	SB SWATH BOOK 06	GDC	11 59.2N	101 36.3W	S CERE03W
1003	21/ 8/82			MBSB B	SB SWATH BOOK 07	GDC	11 59.2N	101 36.3W	S CERE03W
0250	23/ 8/82			MBSB E	SB SWATH BOOK 07	GDC	12 01.0N	101 35.6W	S CERE03W
0253	23/ 8/82			MBSB B	SB SWATH BOOK 08	GDC	12 01.0N	101 35.8W	S CERE03W
2115	24/ 8/82			MBSB E	SB SWATH BOOK 08	GDC	10 31.4N	100 56.1W	S CERE03W
2115	24/ 8/82			MBSB B	SB SWATH BOOK 09	GDC	10 31.4N	100 56.1W	S CERE03W
1838	25/ 8/82			MBSB E	SB SWATH BOOK 09	GDC	08 02.7N	102 01.8W	S CERE03W
1838	25/ 8/82			MBSB B	SB SWATH BOOK 10	GDC	08 02.7N	102 01.8W	S CERE03W
0500	27/ 8/82			MBSB E	SB SWATH BOOK 10	GDC	04 07.0N	102 15.9W	S CERE03W
0503	27/ 8/82			MBSB B	SB SWATH BOOK 11	GDC	04 06.4N	102 15.8W	S CERE03W
1438	28/ 8/82			MBSB E	SB SWATH BOOK 11	GDC	02 25.0N	101 05.8W	S CERE03W

GMT TIME	D /M /Y DATE	LOC TIME	LOC TZ	CODE SAMP	SAMPLE IDENT.	CODE DISP	LAT.	LONG.	LEG-SHI CRUISE
1438	28/ 8/82			MBSB B	SB SWATH BOOK 12	GDC	02 25.0N	101 05.8W	S CERE03W
0038	30/ 8/82			MBSB E	SB SWATH BOOK 12	GDC	01 10.7N	96 59.1W	S CERE03W
0040	30/ 8/82			MBSB B	SB SWATH BOOK 13	GDC	01 10.7N	96 58.8W	S CERE03W
0425	31/ 8/82			MBSB E	SB SWATH BOOK 13	GDC	00 19.1N	91 48.6W	S CERE03W
0425	31/ 8/82			MBSB B	SB SWATH BOOK 14	GDC	00 19.1N	91 48.6W	S CERE03W
2340	31/ 8/82			MBSB E	SB SWATH BOOK 14	GDC	01 05.0S	89 00.8W	S CERE03W
2340	31/ 8/82			MBSB B	SB SWATH BOOK 15	GDC	01 05.0S	89 00.8W	S CERE03W
2230	1/ 9/82			MBSB E	SB SWATH BOOK 15	GDC	01 39.7S	85 51.1W	S CERE03W
2231	1/ 9/82			MBSB B	SB SWATH BOOK 16	GDC	01 39.8S	85 51.0W	S CERE03W
1924	2/ 9/82			MBSB E	SB SWATH BOOK 16	GDC	01 57.7S	85 48.8W	S CERE03W
1930	2/ 9/82			MBSB B	SB SWATH BOOK 17	GDC	01 57.7S	85 49.8W	S CERE03W
1553	3/ 9/82			MBSB E	SB SWATH BOOK 17	GDC	01 42.7S	85 22.0W	S CERE03W
1553	3/ 9/82			MBSB B	SB SWATH BOOK 18	GDC	01 42.7S	85 22.0W	S CERE03W
1158	4/ 9/82			MBSB E	SB SWATH BOOK 18	GDC	00 39.6S	82 50.6W	S CERE03W
1205	4/ 9/82			MBSB B	SB SWATH BOOK 19	GDC	00 40.5S	82 50.1W	S CERE03W
0753	5/ 9/82			MBSB E	SB SWATH BOOK 19	GDC	00 15.6S	82 12.9W	S CER W
0753	5/ 9/82			MBSB B	SB SWATH BOOK 20	GDC	00 15.6S	82 12.9W	S CERE03W
0358	6/ 9/82			MBSB E	SB SWATH BOOK 20	GDC	00 26.9S	82 35.8W	S CERE03W
0358	6/ 9/82			MBSB B	SB SWATH BOOK 21	GDC	00 26.9S	82 35.8W	S CERE03W
0222	7/ 9/82			MBSB E	SB SWATH BOOK 21	GDC	00 54.5S	84 19.4W	S CERE03WT
0222	7/ 9/82			MBSB B	SB SWATH BOOK 22	GDC	00 54.5S	84 19.4W	S CERE03WT
2342	7/ 9/82			MBSB E	SB SWATH BOOK 22	GDC	00 20.8S	83 49.8W	S CERE03WT
2342	7/ 9/82			MBSB B	SB SWATH BOOK 23	GDC	00 20.8S	83 49.8W	S CERE03WT
1800	9/ 9/82			MBSB E	SB SWATH BOOK 23	GDC	04 59.9N	83 32.6W	S CERE03WT
1800	9/ 9/82			MBSB B	SB SWATH BOOK 24	GDC	04 59.9N	83 32.6W	S CERE03WT
2335	10/ 9/82			MBSB E	SB SWATH BOOK 24	GDC	07 23.5N	79 45.3W	S CERE03WT

SEABEAM MAG TAPE - RAW LOGGED DATA

0100	13/08/82			MBMT B	RAW MAG TAPE 01	GDC	16 50.8N	99 53.2W	S CERE03WT
1655	16/08/82			MBMT E	RAW MAG TAPE 01	GDC	12 40.2N	102 31.0W	S CERE03WT
1655	16/08/82			MBMT B	RAW MAG TAPE 02	GDC	12 40.2N	102 31.0W	S CERE03WT
0218	21/08/82			MBMT E	RAW MAG TAPE 02	GDC	12 25.2N	100 45.4W	S CERE03WT
0218	21/08/82			MBMT B	RAW MAG TAPE 03	GDC	12 25.2N	100 45.4W	S CERE03WT
0357	25/08/82			MBMT E	RAW MAG TAPE 03	GDC	10 21.4N	100 42.6W	S CERE03WT
0357	25/08/82			MBMT B	RAW MAG TAPE 04	GDC	10 21.4N	100 42.6W	S CER WT
0431	29/08/82			MBMT E	RAW MAG TAPE 04	GDC	02 01.8N	99 51.5W	S CERE WT

GMT TIME	D /M /Y DATE	LOC TIME	LOC TZ	CODE SAMP	SAMPLE IDENT.		CODE DISP	LAT.	LONG.	LEG-SH CRUISE
0431	29/08/82			MBMT B	RAW MAG TAPE 05		GDC	02 01.8N	99 51.5W	S CERE03
0237	01/09/82			MBMT E	RAW MAG TAPE 05		GDC	01 71.5N	88 34.4W	S CERE03
0237	01/09/82			MBMT B	RAW MAG TAPE 06		GDC	01 71.5N	88 34.4W	S CERE03
0043	05/09/82			MBMT E	RAW MAG TAPE 06		GDC	00 12.2S	82 17.1W	S CERE03
0043	05/09/82			MBMT B	RAW MAG TAPE 07		GDC	00 12.2S	82 17.1W	S C RE03
0707	08/09/82			MBMT E	RAW MAG TAPE 07		GDC	00 45.8N	83 45.2W	S CERE03
0707	08/09/82			MBMT B	RAW MAG TAPE 08		GDC	00 45.8N	83 45.2W	S CERE03
0002	11/09/82			MBMT E	RAW MAG TAPE 08		GDC	07 27.0N	79 44.4W	S CERE03

DREDGE CURATOR WM. RIEDEL (EXT. 2360)

1713	15/ 8/82			DRRO B	ROCK DREDGE	01	GCR	13 26.8N	102 36.6W	S CERE03
1835	15/ 8/82			DRRO E	ROCK DREDGE	01	GCR	13 25.9N	102 36.9W	S CERE03
2234	15/ 8/82			DRRO B	ROCK DREDGE	02	GCR	13 35.5N	102 25.9W	S CERE03
0048	16/ 8/82			DRRO E	ROCK DREDGE	02	GCR	13 34.0N	102 25.8W	S CERE03
0546	16/ 8/82			DRRO B	ROCK DREDGE	03	GCR	13 28.4N	102 22.9W	S CERE03
0703	16/ 8/82			DRRO E	ROCK DREDGE	03	GCR	13 28.5N	102 22.9W	S CERE03
2238	16/ 8/82			DRRO B	ROCK DREDGE	04	GCR	12 44.0N	102 38.4W	S CERE03
2356	16/ 8/82			DRRO E	ROCK DREDGE	04	GCR	12 43.7N	102 37.8W	S CERE03
0247	17/ 8/82			DRRO B	ROCK DREDGE	05	GCR	12 43.4N	102 30.8W	S CERE03
0355	17/ 8/82			DRRO E	ROCK DREDGE	05	GCR	12 44.1N	102 31.6W	S CERE03
0645	17/ 8/82			DRRO B	ROCK DREDGE	06	GCR	12 44.7N	102 33.7W	S CERE03
0800	17/ 8/82			DRRO E	ROCK DREDGE	06	GCR	12 44.2N	102 34.8W	S CERE03
0300	18/ 8/82			DRRO B	ROCK DREDGE	07	GCR	12 56.5N	103 14.1W	S CERE03
0451	18/ 8/82			DRRO E	ROCK DREDGE	07	GCR	12 56.6N	103 13.4W	S CERE03
0840	18/ 8/82			DRRO B	ROCK DREDGE	08	GCR	13 00.2N	103 00.1W	S CERE03
0950	18/ 8/82			DRRO E	ROCK DREDGE	08	GCR	13 00.8N	102 59.9W	S CERE03
0702	19/ 8/82			DRRO B	ROCK DREDGE	09	GCR	13 00.7N	100 50.9W	S CERE03
0755	19/ 8/82			DRRO E	ROCK DREDGE	09	GCR	13 01.0N	100 50.6W	S CERE03
1138	19/ 8/82			DRRO B	ROCK DREDGE	10	GCR	12 57.7N	100 54.0W	S CERE03
1349	19/ 8/82			DRRO E	ROCK DREDGE	10	GCR	12 58.8N	100 52.9W	S CERE03
0325	20/ 8/82			DRRO B	ROCK DREDGE	11	GCR	12 14.7N	100 31.3W	S CERE03
0759	20/ 8/82			DRRO E	ROCK DREDGE	11	GCR	12 15.1N	100 31.5W	S CERE03
1005	20/ 8/82			DRRO B	ROCK DREDGE	12	GCR	12 15.6N	100 30.4W	S CERE03
1408	20/ 8/82			DRRO E	ROCK DREDGE	12	GCR	12 15.4N	100 29.5W	S CERE03
2005	20/ 8/82			DRRO B	ROCK DREDGE	13	GCR	12 34.0N	100 21.8W	S CERE03
2115	20/ 8/82			DRRO E	ROCK DREDGE	13	GCR	12 34.0N	100 22.2W	S CERE03

GMT TIME	D /M /Y DATE	LOC TIME	LOC TZ	CODE SAMP	SAMPLE IDENT.		CODE DISP	LAT.	LONG.	LEG-SHIP CRUISE
1513	21/ 8/82			DRRO B	ROCK DREDGE	14	GCR	12 02.2N	101 36.0W	S CERE03WT
1729	21/ 8/82			DRRO E	ROCK DREDGE	14	GCR	12 01.1N	101 35.6W	S CERE03WT
1342	22/ 8/82			DRRO B	ROCK DREDGE	15	GCR	11 25.1N	101 37.5W	S CERE03WT
1439	22/ 8/82			DRRO E	ROCK DREDGE	15	GCR	11 26.3N	101 37.5W	S CERE03WT
2159	22/ 8/82			DRRO B	ROCK DREDGE	16	GCR	12 04.1N	101 34.6W	S CERE03WT
2330	22/ 8/82			DRRO E	ROCK DREDGE	16	GCR	12 03.8N	101 35.0W	S CERE03WT
0227	23/ 8/82			DRRO B	ROCK DREDGE	17	GCR	12 00.5N	101 34.7W	S CERE03WT
0258	23/ 8/82			DRRO E	ROCK DREDGE	17	GCR	12 01.2N	101 36.0W	S CERE03WT
0631	23/ 8/82			DRRO B	ROCK DREDGE	18	GCR	11 57.8N	101 37.0W	S CERE03WT
0749	23/ 8/82			DRRO E	ROCK DREDGE	18	GCR	11 57.7N	101 37.1W	S CERE03WT
2353	23/ 8/82			DRRO B	ROCK DREDGE	19	GCR	11 15.8N	101 05.3W	S CERE03WT
0133	24/ 8/82			DRRO E	ROCK DREDGE	19	GCR	11 16.2N	101 03.7W	S CERE03WT
0425	24/ 8/82			DRRO B	ROCK DREDGE	20	GCR	11 14.4N	101 07.5W	S CERE03WT
0508	24/ 8/82			DRRO E	ROCK DREDGE	20	GCR	11 13.9N	101 07.0W	S CERE03WT
1534	24/ 8/82			DRRO B	ROCK DREDGE	21	GCR	10 51.2N	101 32.9W	S CERE03WT
1630	24/ 8/82			DRRO E	ROCK DREDGE	21	GCR	10 51.2N	101 32.9W	S CERE03WT
0317	25/ 8/82			DRRO B	ROCK DREDGE	22	GCR	10 20.1N	100 42.0W	S CERE03WT
0454	25/ 8/82			DRRO E	ROCK DREDGE	22	GCR	10 22.3N	100 43.7W	S CERE03WT
9900					END SAMPLE INDEX					CERE03WT