

EURYDICE EXPEDITION

LEG 8

R/V THOMAS WASHINGTON

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

Guam, Mariana Is. (24 March 1975)

to

Guam, Mariana Is. (31 March 1975)

Chief Scientist - R.L.Fisher

Resident Marine Tech - B.Wilson

Post-Cruise Processing by - S.Smith, U.Albright,

R.Lingley

PREPARED BY

Underway Data Processing Group

S. I. O. Geological Data Center

Scripps Institution of Oceanography

La Jolla, California

June 27, 1975

Preliminary Report and Index of Navigation, Depth, Magnetic and Subbottom Profiler Data **

Contents:

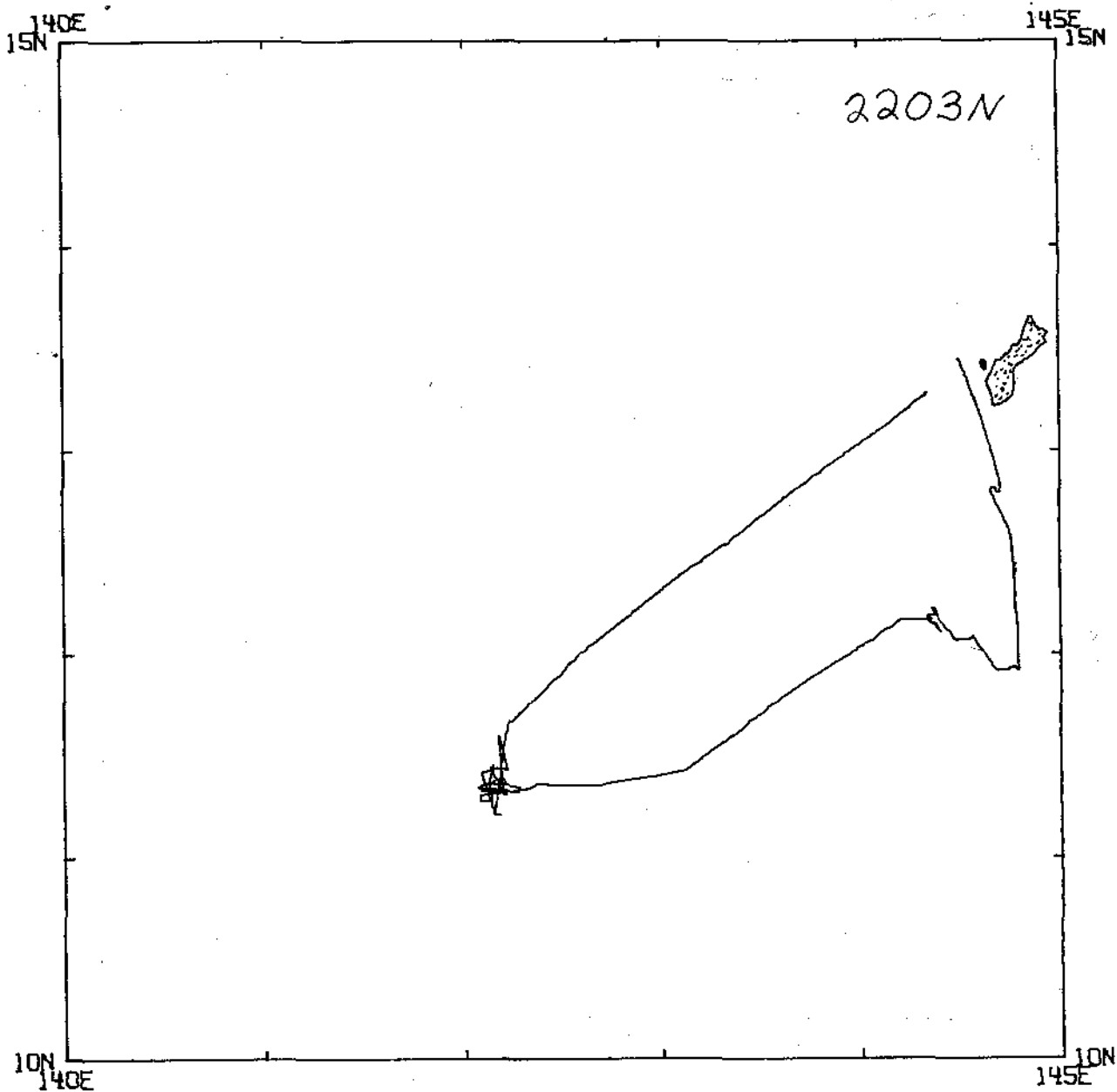
Index Chart - gives track of cruise leg and boundaries of depth compilation plots (see below).

Track Charts - annotated with dates (day/month) and hour ticks. (scale is 1.2"/degree).

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 solid black line along the bottom of the profile.

For information on the availability and reproduction costs of data in the following forms, contact T. E. Chase, Curator, Geological Data Center, Scripps Institution of Oceanography, La Jolla, California 92037 (452-2182):

1. Navigation listing of times and positions of course and speed changes, fixes and drift velocity.
2. Depth compilation plots - in fathoms (assumed sound velocity of 800 fm./sec.) at approximately 1 mile spacing, plotted at 4" degree with standard U.S. Navy Oceanographic Office BC series boundaries (see index chart).
3. Plots of magnetic anomaly profiles along track-map scale = 1.2"/degree; anomaly scale between 15°N and 15°S latitude = 500 gamma/inch; anomaly scale north of 15°N and south of 15°S = 1000 gamma/inch) from values retrieved at approximately 1 mile spacing and regional field removed using the 1965 IGRF.
4. Card Decks of navigation; depth and magnetics (for specific formats, contact S. M. Smith, Geological Data Center).
5. S.I.O. 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.
6. 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



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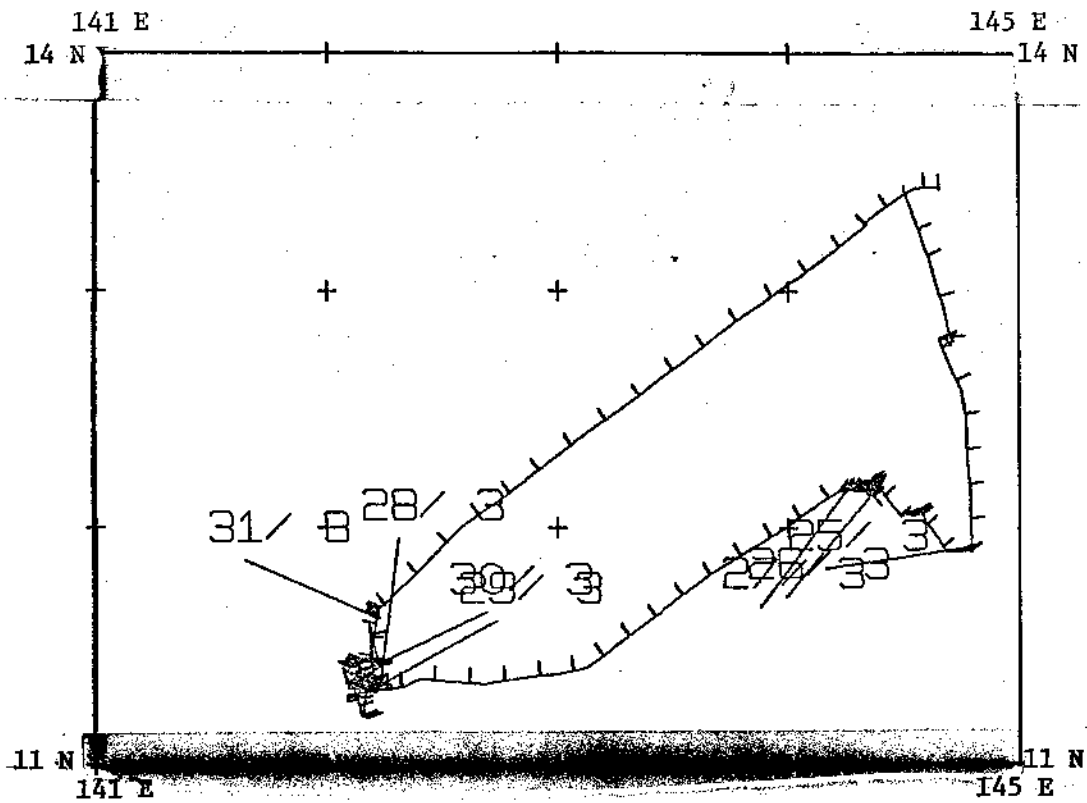
Chief Scientist - R.L.Fisher

Guam - Guam, Mariana Is. (24 March-- 31 March 1975)

TOTAL MILEAGE

- 1) Cruise - 660 miles
- 2) Magnetics - 470 miles
- 3) Bathymetry - ***
- 4) Seismic Reflection - 450 miles ***

*** Depth and Seismic Profiler data retained for analysis by R.L.Fisher



EURYDICE LEG 8 - track plot

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SAMPLE INDEX

0605 240375
2148 310375

B GUAM, M.I., USA (*Marianas*)
E GUAM, M.I., USA

ERDC08WT
ERDC08WT

PERSONNEL

PECS	FISHER, R. L.	SIO	ERDC08WT
PERT	WILSON, R. C.	MTG	ERDC08WT
PEAT	BATTEY, R. K.	SGG	ERDC08WT
PECT	STUBER, D. V.	SCG	ERDC08WT
PENT	TANSY, T. L.	UDG	ERDC08WT
PE	DICKINSON, R. E.	UDG	ERDC08WT
PE	DIVIS, A. F.	SIO	ERDC08WT
PE	DDTY, J. E.	UDG	ERDC08WT
PE	JANTSCH, M. Z.	SIO	ERDC08WT
PE	MARSH, J. A.	UDG	ERDC08WT
PE	TOBIAS, W. J.	UDG	ERDC08WT
PE	WOOSTER, D. S.	UDG	ERDC08WT
PE	ZOLAN, W. J.	UDG	ERDC08WT

NOTE, UDG = UNIVERSITY OF GUAM, M. I., USA

*** NOTE *** TIME ZONES AND MINUTES OF LATITUDE AND LONGITUDE ARE LISTED
IN TENTHS (E.G. 10.6 IS LISTED AS 106)

TIME GMT	DATE D.M.Y.	TIME LOC	TZ LOC	SAMP CODE	SAMPLE IDENT.	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
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UNDERWAY DATA - CURATOR T.E. CHASE 2ND FLOOR AQUARIUM (EXT.1534)

***FATHOGRAMS ***

707	24	375		DPRT B PDR 12 KHZ R-01		GDC 13	265N	144 297E	S ERDC08WT
1111	29	375		DPRT E PDR 12 KHZ R-01		GDC 11	205N	142 50E	S ERDC08WT
1112	29	375		DPRT B PDR 12 KHZ R-02		GDC 11	205N	142 50E	S ERDC08WT
2148	31	375		DPRT E PDR 12 KHZ R-02		GDC 13	260N	144 394E	S ERDC08WT
2000	25	375		DPRT B GDR 12 KHZ R-01		GDC 12	34N	144 287E	S ERDC08WT
412	26	375		DPRT E GDR 12 KHZ R-01		GDC 12	111N	144 205E	S ERDC08WT

*** MAGNETOMETER ***

813	24	375		MGR B MAGNETICS R-01		GDC 13	149N	144 341E	S ERDC08WT
1945	31	375		MGR E MAGNETICS R-01		GDC 13	164N	144 196E	S ERDC08WT

*** SEISMIC REFLECTION PRUFILES ***

830	24	375		SPRF B AIRGUN (RF) R-01		GDC 13	141N	144 345E	S ERDC08WT
1944	31	375		SPRF E AIRGUN (RF) R-01		GDC 13	163N	144 194E	S ERDC08WT
830	24	375		SPRS B AIRGUN (RS) R-01		GDC 13	141N	144 345E	S ERDC08WT
1944	31	375		SPRS E AIRGUN (RS) R-01		GDC 13	163N	144 194E	S ERDC08WT

TIME GMT	DATE D.M.Y.	TIME LOC	TZ LOC	SAMP CODE	SAMPLE IDENT.	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
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*** NAVIGATION PLOTS ***

704	24	375		NVCP B	COMPUTER DR PLOT 01	GDC 13	268N	144 298E	S ERDC08WT
2112	24	375		NVCP E	COMPUTER DR PLOT 01	GDC 12	13N	144 473E	S ERDC08WT
2112	24	375		NVCP B	COMPUTER DR PLOT 02	GDC 12	13N	144 473E	S ERDC08WT
454	27	375		NVCP E	COMPUTER DR PLOT 02	GDC 12	84N	144 106E	S ERDC08WT
454	27	375		NVCP B	COMPUTER DR PLOT 03	GDC 12	84N	144 106E	S ERDC08WT
1143	27	375		NVCP E	COMPUTER DR PLOT 03	GDC 11	343N	143 200E	S ERDC08WT
1143	27	375		NVCP B	COMPUTER DR PLOT 04	GDC 11	343N	143 200E	S ERDC08WT
1728	27	375		NVCP E	COMPUTER DR PLOT 04	GDC 11	211N	142 323E	S ERDC08WT
1728	27	375		NVCP B	COMPUTER DR PLOT 05	GDC 11	211N	142 323E	S ERDC08WT
800	28	375		NVCP E	COMPUTER DR PLOT 05	GDC 11	331N	142 113E	S ERDC08WT
800	28	375		NVCP B	COMPUTER DR PLOT 06	GDC 11	331N	142 113E	S ERDC08WT
924	29	375		NVCP E	COMPUTER DR PLOT 06	GDC 11	203N	142 60E	S ERDC08WT
924	29	375		NVCP B	COMPUTER DR PLOT 07	GDC 11	203N	142 60E	S ERDC08WT
123	30	375		NVCP E	COMPUTER DR PLOT 07	GDC 11	266N	142 87E	S ERDC08WT
123	30	375		NVCP B	COMPUTER DR PLOT 08	GDC 11	266N	142 87E	S ERDC08WT
1934	30	375		NVCP E	COMPUTER DR PLOT 08	GDC 11	122N	142 95E	S ERDC08WT
1934	30	375		NVCP B	COMPUTER DR PLOT 09	GDC 11	122N	142 95E	S ERDC08WT
532	31	375		NVCP E	COMPUTER DR PLOT 09	GDC 11	448N	142 193E	S ERDC08WT
532	31	375		NVCP B	COMPUTER DR PLOT 10	GDC 11	448N	142 193E	S ERDC08WT
1124	31	375		NVCP E	COMPUTER DR PLOT 10	GDC 12	237N	143 67E	S ERDC08WT
1124	31	375		NVCP B	COMPUTER DR PLOT 11	GDC 12	237N	143 67E	S ERDC08WT
1723	31	375		NVCP E	COMPUTER DR PLOT 11	GDC 13	12N	143 590E	S ERDC08WT
1723	31	375		NVCP B	COMPUTER DR PLOT 12	GDC 13	12N	143 590E	S ERDC08WT
2245	31	375		NVCP E	COMPUTER DR PLOT 12	GDC 13	261N	144 395E	S ERDC08WT
605	24	375		NVBP B	BRIDGE PLOT 01	GDC 13	268N	144 298E	S ERDC08WT
2248	31	375		NVBP E	BRIDGE PLOT 01	GDC 13	260N	144 394E	S ERDC08WT

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WIRE-LOWERED CAMERA-CURATOR T.E.CHASE 2D FLOOR AQUARIUM (EXT.1534)

2257	24	375		CAWS B CAMERA RUN 06	RLF 11	557N	144 464E	S ERDC08WT
1523	25	375		CAWS E CAMERA RUN 06	RLF 12	484N 035	144 392E 324	S ERDC08WT
444	26	375		CAWS B CAMERA RUN 07	RLF 12	110N	144 205E	S ERDC08WT
1306	26	375		CAWS E CAMERA RUN 07	RLF 12	86N	144 215E	S ERDC08WT
113	30	375		CAWS B CAMERA RUN 08	RLF 11	266N	142 87E	S ERDC08WT
740	30	375		CAWS E CAMERA RUN 08	RLF 11	249N	142 69E	S ERDC08WT

*** DREDGE ***

2235	24	0375		D R B DREDGE 23	RLF 11	553N	144 458E	ERDC08WT
0625	25	0375		D R E DREDGE 23	RLF 11	544N	144 418E	ERDC08WT
0902	25	0375		D R B DREDGE 24	RLF 12	037N	144 334E	ERDC08WT
1845	25	0375		D R E DREDGE 24	RLF 12	034N	144 323E	ERDC08WT
2219	25	0375		D R B DREDGE 25	RLF NO	SAMPLE		ERDC08WT
0412	26	0375		D R E DREDGE 25	RLF NO	SAMPLE		ERDC08WT
1444	26	0375		D R B DREDGE 26	RLF 12	097N	144 185E	ERDC08WT
0425	27	0375		D R E DREDGE 26	RLF 12	098N	144 146E	ERDC08WT
0914	28	0375		D R B DREDGE 27	RLF 11	264N	142 104E	ERDC08WT
2016	28	0375		D R E DREDGE 27	RLF 11	262N	142 090E	ERDC08WT
2256	28	0375		D R B DREDGE 28	RLF 11	200N	142 085E	ERDC08WT
1139	29	0375		D R E DREDGE 28	RLF 11	202N	142 070E	ERDC08WT
1354	29	0375		D R B DREDGE 29	RLF 11	210N	142 093E	ERDC08WT
2358	29	0375		D R E DREDGE 29	RLF 11	208N	142 084E	ERDC08WT
1145	30	0375		D R B DREDGE 30	RLF 11	120N	142 103E	ERDC08WT
1954	30	0375		D R E DREDGE 30	RLF 11	121N	142 104E	ERDC08WT
2345	30	0375		D R B DREDGE 31	RLF 11	382N	142 133E	ERDC08WT
0419	31	0375		D R E DREDGE 31	RLF 11	390N	142 133E	ERDC08WT

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*** BATHYTHERMOGRAPH ***

0 24	375	BTX	NO. SAMPLES = 1	GTG 13	268N	144	298E	S	ERDC08WT
0 25	375	BTX	NO. SAMPLES = 5	GTG 11	555N	144	461E	S	ERDC08WT
0 26	375	BTX	NO. SAMPLES = 3	GTG 12	110N	144	229E	S	ERDC08WT
0 27	375	BTX	NO. SAMPLES = 3	GTG 12	99N	144	147E	S	ERDC08WT
0 28	375	BTX	NO. SAMPLES = 3	GTG 11	208N	142	138E	S	ERDC08WT
0 29	375	BTX	NO. SAMPLES = 4	GTG 11	186N	142	109E	S	ERDC08WT
0 30	375	BTX	NO. SAMPLES = 4	GTG 11	228N	142	75E	S	ERDC08WT
0 31	375	BTX	NO. SAMPLES = 4	GTG 11	373N	142	131E	S	ERDC08WT

99

END SAMPLE INDEX