

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

(Issued May 3, 1977)

INDOPAC EXPEDITION

LEG 11

Singapore (1 March 1977)  
to  
Phuket, Thailand (21 March 1977)

R/V Thomas Washington

Co-Chief Scientists - J. Curray and D. Moore (DSDP)

Resident Marine Tech - R. Wilson

Post-Cruise Processing and Report Preparation  
by SIO Geological Data Center  
S. Smith, U. Albright, R. Lingley, G. Psaropoulos

Data Collection Funded by ONR  
Contract Number GRD/USN N00014-75-C-0152  
Data Processing Funded by SIA and ONR

NOTE: This is an index of underway geophysical data edited and processed shortly after the completion of the cruise leg and is intended primarily for informal use within the institution. This document is not to be reproduced or distributed outside Scripps without prior approval of the Geological Data Center, Scripps Institution of Oceanography, La Jolla, California 92093.

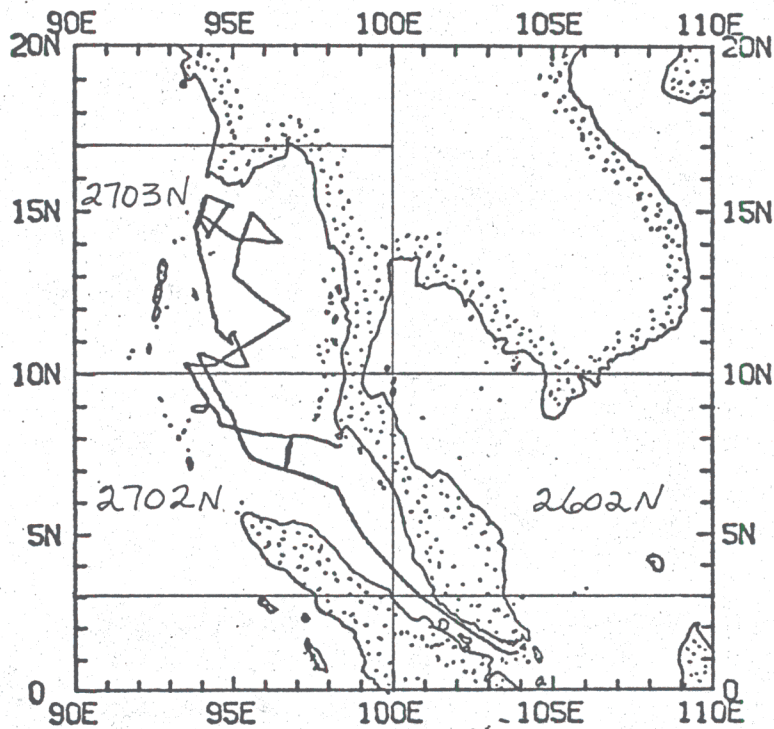
Informal Report and Index of Navigation, Depth, Magnetic and Subbottom Profiler Data

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. The scale (.3"/deg. long) is the same as the index charts of previous SIO cruises published as Report IMR TR-25.
- 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 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 - 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). Phone: (714) 452-2752
  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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INDOPAC EXPEDITION LEG 11

R/V Thomas Washington

Co-Chief Scientists : Joseph Curray and David Moore

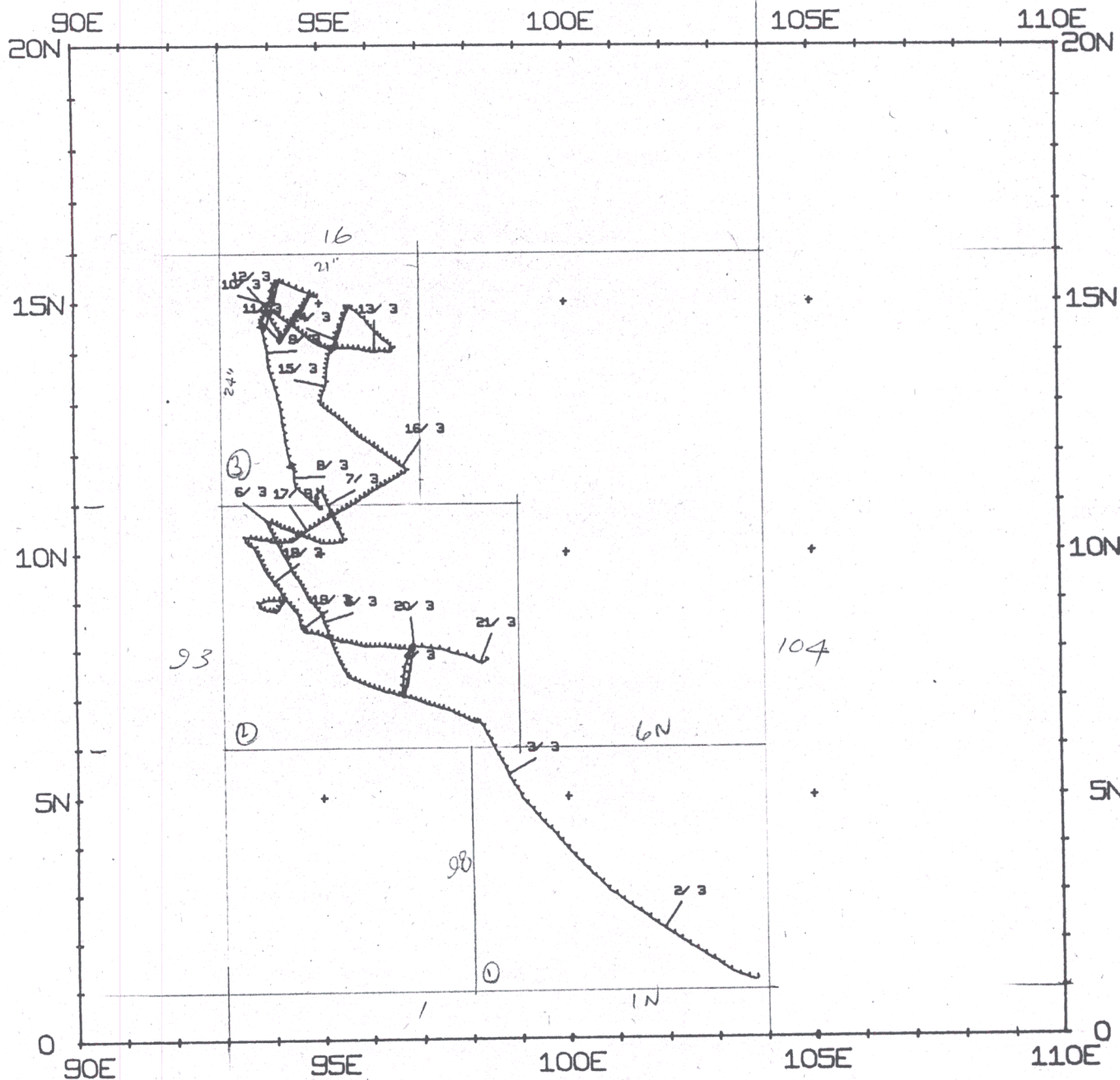
Ports: Singapore - Phuket, Thailand

Dates: 1 March - 21 March 1977

TOTAL MILEAGE

- 1) Cruise - 3290 miles
- 2) Bathymetry - 3070 miles
- 3) Magnetics - 2370 miles
- 4) Seismic Reflection - 2415 miles

INDOPAC EXPEDITION LEG 11 TRACK PLOT (1 OF 1)  
 MERCATOR PROJECTION, SCALE= 0.31 IN/DEG LONGITUDE



S.I.O. Sample Index

(Issued May 3, 1977)

INDOPAC EXPEDITION

LEG 11

Singapore (1 March 1977)  
to  
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Post-Cruise Processing and Report Preparation  
by S.I.O. Geological Data Center  
S. Smith, U. Albright, R. Lingley, G. Psaropulos

Index Encoding Funded by ONR  
Contract Number USN N00014-75-C-0152  
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 onshore 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 ended 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.)

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SIU SAMPLE INDEX  
 INDUPAC EXPEDITION LEG 11

\*\*\*PURTS\*\*\*

1157 1 377	LGPT B SINGAPORE	1 170N 103 510E F	INDP11WT
245 21 377	LGPT E PHUKET, THAILAND	7 53 N 98 24 E F	INDP11WT

\*\*\* PERSONNEL \*\*\*

PECS	CURKAY, J.	GRD	INDP11WT
PECS	MOUKE, D.	GRD	INDP11WT
PERT	WILSON, K.	MTG	INDP11WT
PERT	COMER, K.	MTG	INDP11WT
PECT	ABBOTT, L.	SCG	INDP11WT
PECT	MOORE, M.	SCG	INDP11WT
PEET	BONGARD, R.	SGG	INDR11WT
PEAT	CRAMPTON	SGG	INDP11WT
PEET	HUBENKA, F.	SGG	INDP11WT
PE	EMMEL, F.	GRD	INDP11WT
PE	HOLMES, G.	SIX	INDP11WT
PE	HUCKABAY, W.	SIX	INDP11WT
PES	KIECKHEFER, R.	SIO	INDP11WT
PE	LAWVER, L.	MPL	INDP11WT
PES	KAMSEY, C.	SIO	INDP11WT
PEXN	KASRIKKIENEKAI, C.	THI	INDP11WT
PEXN	SAMPATTAVANIJA, S.	THI	INDP11WT
PEXN	TINU, A.	SIX	INDP11WT

\*\*\* 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 S.M.SMITH (EXT.-2752)

## \*\*\* LOG BOOKS \*\*\*

8	2	377			LBUW B UNDERWAY WATCH LOG	JRC	2 141N	101 555E	S INDP11WT
20	21	377			LBUW E UNDERWAY WATCH LOG	JRC	7 439N	98 188E	S INDP11WT

## \*\*\* FATHOGRAMS \*\*\*

8	2	377			DPR3 B GDR 3.5KHZ R-01	GDC	2 141N	101 555E	S INDP11WT
2052	2	377			DPR3 E GDR 3.5KHZ R-01	GDC	4 597N	99 27E	S INDP11WT
2102	2	377			DPR3 B GDR 3.5KHZ R-02	GDC	5 14N	99 17E	S INDP11WT
1842	3	377			DPR3 E GDR 3.5KHZ R-02	GDC	6 520N	97 118E	S INDP11WT
1856	3	377			DPR3 B GDR 3.5KHZ R-03	GDC	6 524N	97 105E	S INDP11WT
2315	4	377			DPR3 E GDR 3.5KHZ R-03	GDC	8 311N	95 42E	S INDP11WT
2316	4	377			DPR3 B GDR 3.5KHZ R-04	GDC	8 311N	95 41E	S INDP11WT
1214	6	377			DPR3 E GDR 3.5KHZ R-04	GDC	10 120N	95 67E	S INDP11WT
1218	6	377			DPR3 B GDR 3.5KHZ R-05	GDC	10 120N	95 72E	S INDP11WT
306	7	377			DPR3 E GDR 3.5KHZ R-05	GDC	11 159N	95 30E	S INDP11WT
307	7	377			DPR3 B GDR 3.5KHZ R-06	GDC	11 159N	95 30E	S INDP11WT
806	8	377			DPR3 E GDR 3.5KHZ R-06	GDC	11 449N	94 247E	S INDP11WT
807	8	377			DPR3 B GDR 3.5KHZ R-07	GDC	11 449N	94 247E	S INDP11WT
812	9	377			DPR3 E GDR 3.5KHZ R-07	GDC	14 549N	93 582E	S INDP11WT
815	9	377			DPR3 B GDR 3.5KHZ R-08	GDC	14 548N	93 582E	S INDP11WT
245	10	377			DPR3 E GDR 3.5KHZ R-08	GDC	15 96N	94 58E	S INDP11WT
252	10	377			DPR3 B GDR 3.5KHZ R-09	GDC	15 109N	94 59E	S INDP11WT
2053	10	377			DPR3 E GDR 3.5KHZ R-09	GDC	14 200N	94 176E	S INDP11WT
2103	10	377			DPR3 B GDR 3.5KHZ R-10	GDC	14 188N	94 168E	S INDP11WT
315	11	377			DPR3 E GDR 3.5KHZ R-10	GDC	14 335N	94 255E	S INDP11WT
350	11	377			DPR3 B GDR 3.5KHZ R-11	GDC	14 389N	94 292E	S INDP11WT
1711	11	377			DPR3 E GDR 3.5KHZ R-11	GDC	14 205N	94 125E	S INDP11WT
1719	11	377			DPR3 B GDR 3.5KHZ R-12	GDC	14 208N	94 124E	S INDP11WT
1256	12	377			DPR3 E GDR 3.5KHZ R-12	GDC	14 94N	95 29E	S INDP11WT
1307	12	377			DPR3 B GDR 3.5KHZ R-13	GDC	14 91N	95 37E	S INDP11WT
651	13	377			DPR3 E GDR 3.5KHZ R-13	GDC	14 152N	96 197E	S INDP11WT
658	13	377			DPR3 B GDR 3.5KHZ R-14	GDC	14 155N	96 192E	S INDP11WT
154	14	377			DPR3 E GDR 3.5KHZ R-14	GDC	14 29N	95 172E	S INDP11WT

TIME GMT	DATE D.M.Y.	TIME TZ LUC LUC	SAMP CODE	SAMPLE IDENT.	DISP CODE	LAT.	LUNG.		
206	14	377	DPR3 B	GDR 3.5KHZ R-15	GDC 14	32N	95 176E	S	INDP11WT
2115	14	377	DPR3 E	GDR 3.5KHZ R-15	GDC 13	354N	95 100E	S	INDP11WT
2121	14	377	DPR3 B	GDR 3.5KHZ R-16	GDC 13	349N	95 99E	S	INDP11WT
33	16	377	DPR3 E	GDR 3.5KHZ R-16	GDC 11	429N	96 446E	S	INDP11WT
34	16	377	DPR3 B	GDR 3.5KHZ R-17	GDC 11	428N	96 446E	S	INDP11WT
824	16	377	DPR3 E	GDR 3.5KHZ R-17	GDC 11	175N	96 91E	S	INDP11WT
825	16	377	DPR3 B	GDR 3.5KHZ R-18	GDC 11	175N	96 91E	S	INDP11WT
320	17	377	DPR3 E	GDR 3.5KHZ R-18	GDC 10	150N	94 265E	S	INDP11WT
320	17	377	DPR3 B	GDR 3.5KHZ R-19	GDC 10	150N	94 265E	S	INDP11WT
2050	17	377	DPR3 E	GDR 3.5KHZ R-19	GDC 9	411N	93 517E	S	INDP11WT
2053	17	377	DPR3 B	GDR 3.5KHZ R-20	GDC 9	408N	93 519E	S	INDP11WT
34	19	377	DPR3 E	GDR 3.5KHZ R-20	GDC 8	241N	94 395E	S	INDP11WT
34	19	377	DPR3 B	GDR 3.5KHZ R-21	GDC 8	241N	94 395E	S	INDP11WT
1134	19	377	DPR3 E	GDR 3.5KHZ R-21	GDC 8	71N	95 466E	S	INDP11WT
1138	19	377	DPR3 B	GDR 3.5KHZ R-22	GDC 8	70N	95 470E	S	INDP11WT
2240	20	377	DPR3 E	GDR 3.5KHZ R-22	GDC 7	498N	98 34E	S	INDP11WT
2255	20	377	DPR3 B	GDR 3.5KHZ R-23	GDC 7	494N	98 44E	S	INDP11WT
30	21	377	DPR3 E	GDR 3.5KHZ R-23	GDC 7	449N	98 205E	S	INDP11WT

## \*\*\* MAGNETUMETER \*\*\*

1445	2	377	MGR B	MAGNETICS R-01	GDC 4	99N	99 457E	S	INDP11WT
1827	5	377	MGR E	MAGNETICS R-01	GDC 10	103N	94 78E	S	INDP11WT
1833	5	377	MGR B	MAGNETICS R-02	GDC 10	108N	94 75E	S	INDP11WT
653	19	377	MGR E	MAGNETICS R-02	GDC 8	131N	95 190E	S	INDP11WT
703	19	377	MGR B	MAGNETICS R-03	GDC 8	128N	95 200E	S	INDP11WT
1134	19	377	MGR E	MAGNETICS R-03	GDC 8	71N	95 466E	S	INDP11WT
1142	19	377	MGR B	MAGNETICS R-04	GDC 8	69N	95 474E	S	INDP11WT
2234	20	377	MGR E	MAGNETICS R-04	GDC 7	500N	98 30E	S	INDP11WT

## \*\*\*GRAVIMETRIC RECORDS\*\*\* CURATOR L.M. DURMAN (EXT.2406)

0	2	377	GVR B	GRAV ANALOGUE R-01	LMD 2	133N	101 567E	S	INDP11WT
1022	3	377	GVR E	GRAV ANALOGUE R-01	LMD 6	317N	98 20E	S	INDP11WT
1028	3	377	GVR B	GRAV ANALOGUE R-02	LMD 6	320N	98 13E	S	INDP11WT
1630	13	377	GVR E	GRAV ANALOGUE R-02	LMD 14	538N	95 395E	S	INDP11WT



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 CRUISE  
 LEG-SHIP

TIME GMT	DATE D.M.Y.	TIME LUC	TZ LUC	SAMP CODE	SAMPLE IDENT.	DISP CODE	LAT.	LONG.		
1700	13	377		GVR	B GRAV ANALOGUE R-03	LMD	14 548N	95 395E	S	INDP11WT
100	21	377		GVR	E GRAV ANALOGUE R-03	LMD	7 480N	98 249E	S	INDP11WT
30	2	377		GVXR	B GRAV XCOUPLE R-01	LMD	2 166N	101 518E	S	INDP11WT
130	15	377		GVXR	E GRAV XCOUPLE R-01	LMD	13 119N	95 46E	S	INDP11WT
135	15	377		GVXR	B GRAV XCOUPLE R-02	LMD	13 114N	95 44E	S	INDP11WT
118	21	377		GVXR	E GRAV XCOUPLE R-02	LMD	7 478N	98 247E	S	INDP11WT

\*\*\* SEISMIC REFLECTION PROFILES \*\*\*

1445	2	377		SPRS	B AIRGUN 5-SEC R-01	GDC	4 99N	99 457E	S	INDP11WT
50	4	377		SPRS	E AIRGUN 5-SEC R-01	GDC	7 36N	96 346E	S	INDP11WT
50	4	377		SPRS	B AIRGUN 5-SEC R-02	GDC	7 36N	96 346E	S	INDP11WT
38	5	377		SPRS	E AIRGUN 5-SEC R-02	GDC	8 388N	95 15E	S	INDP11WT
39	5	377		SPRS	B AIRGUN 5-SEC R-03	GDC	8 389N	95 15E	S	INDP11WT
2355	5	377		SPRS	E AIRGUN 5-SEC R-03	GDC	10 380N	93 556E	S	INDP11WT
0	6	377		SPRS	B AIRGUN 5-SEC R-04	GDC	10 384N	93 558E	S	INDP11WT
325	7	377		SPRS	E AIRGUN 5-SEC R-04	GDC	11 167N	95 36E	S	INDP11WT
1900	7	377		SPRS	B AIRGUN 5-SEC R-05	GDC	10 591N	94 543E	S	INDP11WT
322	9	377		SPRS	E AIRGUN 5-SEC R-05	GDC	14 293N	93 502E	S	INDP11WT
445	9	377		SPRS	B AIRGUN 5-SEC R-06	GDC	14 338N	93 504E	S	INDP11WT
1145	10	377		SPRS	E AIRGUN 5-SEC R-06	GDC	15 98N	94 525E	S	INDP11WT
1850	11	377		SPRS	B AIRGUN 5-SEC R-07	GDC	14 240N	94 114E	S	INDP11WT
325	13	377		SPRS	E AIRGUN 5-SEC R-07	GDC	14 21N	96 310E	S	INDP11WT
327	13	377		SPRS	B AIRGUN 5-SEC R-08	GDC	14 22N	96 311E	S	INDP11WT
140	14	377		SPRS	E AIRGUN 5-SEC R-08	GDC	14 33N	95 170E	S	INDP11WT
1614	14	377		SPRS	B AIRGUN 5-SEC R-09	GDC	14 30N	95 149E	S	INDP11WT
100	16	377		SPRS	E AIRGUN 5-SEC R-09	GDC	11 404N	96 454E	S	INDP11WT
102	16	377		SPRS	B AIRGUN 5-SEC R-10	GDC	11 402N	96 454E	S	INDP11WT
323	17	377		SPRS	E AIRGUN 5-SEC R-10	GDC	10 149N	94 262E	S	INDP11WT
324	17	377		SPRS	B AIRGUN 5-SEC R-11	GDC	10 148N	94 261E	S	INDP11WT
412	18	377		SPRS	E AIRGUN 5-SEC R-11	GDC	9 25N	94 151E	S	INDP11WT
414	18	377		SPRS	B AIRGUN 5-SEC R-12	GDC	9 23N	94 151E	S	INDP11WT
42	19	377		SPRS	E AIRGUN 5-SEC R-12	GDC	8 236N	94 401E	S	INDP11WT
43	19	377		SPRS	B AIRGUN 5-SEC R-13	GDC	8 236N	94 402E	S	INDP11WT
2212	19	377		SPRS	E AIRGUN 5-SEC R-13	GDC	8 16N	96 496E	S	INDP11WT
127	20	377		SPRS	B AIRGUN 5-SEC R-14	GDC	8 33N	96 535E	S	INDP11WT
2235	20	377		SPRS	E AIRGUN 5-SEC R-14	GDC	7 500N	98 30E	S	INDP11WT

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 CRUISE LEG-SHIP

TIME GMT	DATE D.M.Y.	TIME TZ LUC LUC	SAMP CODE	SAMPLE IDENT.	DISP CODE	LAT.	LUNG.		
1445	2	377	SPRF B	AIRGUN 2-SEC R-01	GDC 4	99N	99 457E	F	INDP11WT
50	4	377	SPRF E	AIRGUN 2-SEC R-01	GDC 7	36N	96 346E	S	INDP11WT
50	4	377	SPRF B	AIRGUN 2-SEC R-02	GDC 7	36N	96 346E	S	INDP11WT
38	5	377	SPRF E	AIRGUN 2-SEC R-02	GDC 8	388N	95 15E	S	INDP11WT
39	5	377	SPRF B	AIRGUN 2-SEC R-03	GDC 8	389N	95 15E	S	INDP11WT
2355	5	377	SPRF E	AIRGUN 2-SEC R-03	GDC 10	380N	93 556E	S	INDP11WT
0	6	377	SPRF B	AIRGUN 2-SEC R-04	GDC 10	384N	93 558E	S	INDP11WT
325	7	377	SPRF E	AIRGUN 2-SEC R-04	GDC 11	167N	95 36E	S	INDP11WT
1900	7	377	SPRF B	AIRGUN 2-SEC R-05	GDC 10	591N	94 543E	S	INDP11WT
322	9	377	SPRF E	AIRGUN 2-SEC R-05	GDC 14	293N	93 502E	S	INDP11WT
442	9	377	SPRF B	AIRGUN 2-SEC R-06	GDC 14	334N	93 502E	S	INDP11WT
2145	10	377	SPRF E	AIRGUN 2-SEC R-06	GDC 14	139N	94 137E	S	INDP11WT
1850	11	377	SPRF B	AIRGUN 2-SEC R-07	GDC 14	240N	94 114E	S	INDP11WT
325	13	377	SPRF E	AIRGUN 2-SEC R-07	GDC 14	21N	96 310E	S	INDP11WT
327	13	377	SPRF B	AIRGUN 2-SEC R-08	GDC 14	22N	96 311E	S	INDP11WT
140	14	377	SPRF E	AIRGUN 2-SEC R-08	GDC 14	33N	95 170E	S	INDP11WT
1614	14	377	SPRF B	AIRGUN 2-SEC R-09	GDC 14	30N	95 149E	S	INDP11WT
100	16	377	SPRF E	AIRGUN 2-SEC R-09	GDC 11	404N	96 454E	S	INDP11WT
105	16	377	SPRF B	AIRGUN 2-SEC R-10	GDC 11	399N	96 454E	S	INDP11WT
323	17	377	SPRF E	AIRGUN 2-SEC R-10	GDC 10	149N	94 262E	S	INDP11WT
324	17	377	SPRF B	AIRGUN 2-SEC R-11	GDC 10	148N	94 261E	S	INDP11WT
412	18	377	SPRF E	AIRGUN 2-SEC R-11	GDC 9	25N	94 151E	S	INDP11WT
414	18	377	SPRF B	AIRGUN 2-SEC R-12	GDC 9	23N	94 151E	S	INDP11WT
42	19	377	SPRF E	AIRGUN 2-SEC R-12	GDC 8	236N	94 401E	S	INDP11WT
43	19	377	SPRF B	AIRGUN 2-SEC R-13	GDC 8	236N	94 402E	S	INDP11WT
2212	19	377	SPRF E	AIRGUN 2-SEC R-13	GDC 8	16N	96 496E	S	INDP11WT
127	20	377	SPRF B	AIRGUN 2-SEC R-14	GDC 8	33N	96 535E	S	INDP11WT
2235	20	377	SPRF E	AIRGUN 2-SEC R-14	GDC 7	500N	98 30E	S	INDP11WT

\*\*\*SEISMIC REFRACTION\*\*\*

1822	4	377	SKST B	REFRACTION STA 11-1	DDM 8	40N	95 137E	S	INDP11WT
2130	4	377	SKST E	REFRACTION STA 11-1	DDM 8	212N	95 74E	S	INDP11WT
538	6	377	SKST B	REFRACTION STA 11-2	DDM 10	275N	94 244E	S	INDP11WT
653	6	377	SKST E	REFRACTION STA 11-2	DDM 10	247N	94 318E	S	INDP11WT

TIME GMT	DATE D.M.Y.	TIME TZ LUC LUC	SAMP CODE	SAMPLE IDENT.	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
1640	6	377	SRST B	REFRACTION STA 11-3	DDM 10	192N	95 272E	S INDP11WT
1755	6	377	SRST E	REFRACTION STA 11-3	DDM 10	256N	95 243E	S INDP11WT
2128	7	377	SRST B	REFRACTION STA 11-4	DDM 11	145N	94 370E	S INDP11WT
2227	7	377	SRST E	REFRACTION STA 11-4	DDM 11	199N	94 306E	S INDP11WT
2154	8	377	SRST B	REFRACTION STA 11-5	DDM 13	435N	93 579E	S INDP11WT
6	9	377	SRST E	REFRACTION STA 11-5	DDM 14	16N	93 559E	S INDP11WT
622	9	377	SRST B	REFRACTION STA 11-6	DDM 14	454N	93 546E	S INDP11WT
840	9	377	SRST E	REFRACTION STA 11-6	DDM 14	571N	93 590E	S INDP11WT
641	10	377	SRST B	REFRACTION STA 11-7	DDM 15	224N	94 223E	S INDP11WT
817	10	377	SRST E	REFRACTION STA 11-7	DDM 15	173N	94 349E	S INDP11WT
1145	10	377	SRST B	REFRACTION STA 11-8	DDM 15	98N	94 525E	S INDP11WT
2114	10	377	SRST E	REFRACTION STA 11-8	DDM 14	174N	94 160E	S INDP11WT
1915	13	377	SRST B	REFRACTION STA 11-9	DDM 14	534N	95 341E	S INDP11WT
110	14	377	SRST E	REFRACTION STA 11-9	DDM 14	60N	95 182E	S INDP11WT
2127	14	377	SRST B	REFRACTION STA 11-10	DDM 13	344N	95 99E	S INDP11WT
2246	14	377	SRST E	REFRACTION STA 11-10	DDM 13	271N	95 89E	S INDP11WT
954	15	377	SRST B	REFRACTION STA 11-11	DDM 12	358N	95 322E	S INDP11WT
1221	15	377	SRST E	REFRACTION STA 11-11	DDM 12	256N	95 434E	S INDP11WT
1	16	377	SRST B	REFRACTION STA 11-12	DDM 11	447N	96 422E	S INDP11WT
120	16	377	SRST E	REFRACTION STA 11-12	DDM 11	386N	96 449E	S INDP11WT
1739	16	377	SRST B	REFRACTION STA 11-13	DDM 10	480N	95 189E	S INDP11WT
4	17	377	SRST E	REFRACTION STA 11-13	DDM 10	272N	94 431E	S INDP11WT

\*\*\*WIDE ANGLE SEISMIC REFLECTION\*\*\*

1821	4	377	SPWA	INDP1101A	DDM 8	39N	95 137E	S INDP11WT
1959	4	377	SPWA	INDP1101B	DDM 8	126N	95 102E	S INDP11WT
538	6	377	SPWA	INDP1102A	DDM 10	275N	94 244E	S INDP11WT
2110	7	377	SPWA	INDP1104A	DDM 11	126N	94 391E	S INDP11WT
2128	7	377	SPWA	INDP1104B	DDM 11	145N	94 370E	S INDP11WT
2153	8	377	SPWA	INDP1105A	DDM 13	434N	93 579E	S INDP11WT
2326	8	377	SPWA	INDP1105B	DDM 13	561N	93 564E	S INDP11WT
641	10	377	SPWA	INDP1107A	DDM 15	224N	94 223E	S INDP11WT
642	10	377	SPWA	INDP1107B	DDM 15	224N	94 224E	S INDP11WT
1835	10	377	SPWA	INDP1108B	DDM 14	361N	94 281E	S INDP11WT
2004	10	377	SPWA	INDP1108C	DDM 14	255N	94 213E	S INDP11WT
1915	13	377	SPWA	INDP1109A	DDM 14	534N	95 341E	S INDP11WT
2256	13	377	SPWA	INDP1109B	DDM 14	238N	95 259E	S INDP11WT
908	15	377	SPWA	INDP1111A	DDM 12	388N	95 290E	S INDP11WT
930	15	377	SPWA	INDP1111B	DDM 12	373N	95 306E	S INDP11WT
953	15	377	SPWA	INDP1111C	DDM 12	358N	95 321E	S INDP11WT
1107	15	377	SPWA	INDP1111D	DDM 12	308N	95 376E	S INDP11WT

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 CRUISE  
 LEG-SHIP

TIME GMT	DATE D.M.Y.	TIME LUC	TZ LUC	SAMP CODE	SAMPLE IDENT.	DISP CODE	LAT.	LONG.	
1 16	377			SPWA	INDP1112A	DDM 11	447N	96 422E	S INDP11WT
1738 16	377			SPWA	INDP1113A	DDM 10	481N	95 190E	S INDP11WT
1939 16	377			SPWA	INDP1113B	DDM 10	417N	95 73E	S INDP11WT
155 17	377			SPWA	INDP1114A	DDM 10	207N	94 333E	S INDP11WT
705 19	377			SPWA	INDP1115A	DDM 8	128N	95 202E	S INDP11WT

\*\*\*MULTI-CHANNEL SEISMIC LINE\*\*\*

1000 3	377			SPML B	M.CHAN.SEIS.LINE	01	SCG 6	309N	98 44E	S INDP11WT
128 7	377			SPML E	M.CHAN.SEIS.LINE	01	SCG 11	63N	95 60E	S INDP11WT
1903 11	377			SPML B	SEISMIC RUN 2		SCG 14	246N	94 111E	S INDP11WT
1557 13	377			SPML E	SEISMIC RUN 2		SCG 14	531N	95 406E	S INDP11WT
1638 14	377			SPML B	SEISMIC RUN 3		SCG 14	10N	95 142E	S INDP11WT
2210 19	377			SPML E	SEISMIC RUN 3		SCG 8	16N	96 494E	S INDP11WT

\*\*\*HEAT FLOW\*\*\*

958 7	377			HF2M	HEAT FLOW 11-1	3038	LAW 11	85N	94 544E	S INDP11WT
1438 7	377			HF2M	HEAT FLOW 11-2	3577	LAW 11	5N	94 570E	S INDP11WT

\*\*\* DREDGE \*\*\*

518 8	377			DRK B	DREDGE 17	1253	GCR 11	443N	94 260E	S INDP11WT
725 8	377			DRK E	DREDGE 17	1113	GCR 11	451N	94 252E	S INDP11WT

\*\*\* SURFACE NET \*\*\*

1125 7	377			SNNU B		H	MIC 11	89N	94 540E	S INDP11WT
1133 7	377			SNNU E		H	MIC 11	91N	94 538E	S INDP11WT
452 10	377			SNNU B		H	MIC 15	268N	94 109E	S INDP11WT
505 10	377			SNNU E		H	MIC 15	267N	94 112E	S INDP11WT
1629 13	377			SNNU B		H	MIC 14	538N	95 395E	S INDP11WT
1641 13	377			SNNU E		H	MIC 14	541N	95 393E	S INDP11WT
2310 19	377			SNNU B		H	MIC 8	22N	96 523E	S INDP11WT
2320 19	377			SNNU E		H	MIC 8	23N	96 526E	S INDP11WT

TIME GMT	DATE D.M.Y.	TIME LUC	TZ LUC	SAMP CODE	SAMPLE IDENT.	DISP CODE	LAT.	LUNG.	CRUISE LEG-SHIP
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## \*\*\*SEISMIC RECEIVING BUOY\*\*\*

420	9	377		BUSK B	BUOY A	119	DDM 14 312N	93 497E	S INDP11WT
2049	9	377		BUSK E	BUOY A	119	DDM 14 309N	93 489E	S INDP11WT
1312	9	377		BUSK B	BUOY G	116	DDM 15 276N	94 111E	S INDP11WT
442	10	377		BUSK E	BUOY G	116	DDM 15 268N	94 108E	S INDP11WT
1128	10	377		BUSK B	BUOY A	36	DDM 15 101N	94 517E	S INDP11WT
806	11	377		BUSK E	BUOY A	36	DDM 15 101N	94 519E	S INDP11WT
2252	10	377		BUSK B	BUOY D	136	DDM 14 142N	94 137E	S INDP11WT
1430	11	377		BUSK E	BUOY D	136	DDM 14 157N	94 135E	S INDP11WT
1850	13	377		BUSK B	BUOY A	95	DDM 14 552N	95 345E	S INDP11WT
840	14	377		BUSK E	BUOY A	95	DDM 14 560N	95 383E	S INDP11WT
238	14	377		BUSK B	BUOY D	157	DDM 14 34N	95 178E	S INDP11WT
1420	14	377		BUSK E	BUOY D	157	DDM 14 35N	95 180E	S INDP11WT
116	20	377		BUSK B	BUOY A	55M	DDM 8 33N	96 537E	S INDP11WT
1542	20	377		BUSK E	BUOY A	55M	DDM 8 48N	96 540E	S INDP11WT

## \*\*\*BATHY THERMOGRAPH\*\*\* CURATOR CAROL CONWAY (EXT.3368)

0	4	377		BTX	NR. SAMPLES = 3	DCP 7	22N	96 403E	S INDP11WT
0	5	377		BTX	NR. SAMPLES = 3	DCP 8	352N	95 28E	S INDP11WT
0	6	377		BTX	NR. SAMPLES = 3	DCP 10	384N	93 558E	S INDP11WT
0	7	377		BTX	NR. SAMPLES = 4	DCP 10	581N	95 100E	S INDP11WT
0	8	377		BTX	NR. SAMPLES = 4	DCP 11	317N	94 285E	S INDP11WT
0	9	377		BTX	NR. SAMPLES = 4	DCP 14	8N	93 560E	S INDP11WT
0	10	377		BTX	NR. SAMPLES = 3	DCP 14	589N	93 583E	S INDP11WT
0	11	377		BTX	NR. SAMPLES = 2	DCP 14	138N	94 137E	S INDP11WT
0	12	377		BTX	NR. SAMPLES = 4	DCP 14	506N	93 593E	S INDP11WT
0	13	377		BTX	NR. SAMPLES = 4	DCP 14	12N	96 92E	S INDP11WT
0	14	377		BTX	NR. SAMPLES = 2	DCP 14	152N	95 221E	S INDP11WT
0	15	377		BTX	NR. SAMPLES = 3	DCP 13	200N	95 77E	S INDP11WT
0	16	377		BTX	NR. SAMPLES = 14	DCP 11	448N	96 421E	S INDP11WT
0	17	377		BTX	NR. SAMPLES = 4	DCP 10	274N	94 435E	S INDP11WT
0	18	377		BTX	NR. SAMPLES = 4	DCP 9	250N	94 28E	S INDP11WT

9900

END SAMPLE INDEX

INDP11WT