

INFORMAL REPORT AND INDEX OF
UNDERWAY GEOLOGICAL DATA
(Issued October 3, 1977)

INDOPAC EXPEDITION

LEG 15

Honolulu, Hawaii (3 June 1977)
to
Honolulu, Hawaii (30 June 1977)
R/V Thomas Washington

Chief Scientist - K. Smith (SIO)

Resident Marine Tech - B. Wilson

Post-Cruise Processing and Report Preparation
by S.I.O. Geological Data Center - S.M. Smith,
U. Albright, G. Psaropulos, G. Papadopoulos

Data Collection Funded by:
NSF Grant Number OCE76-10520 and OCE76-24101;
ONR Grant Number N000-14-75-C-0152;
UC 19900
Data Processing Funded by SIA, ONR and NSF

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:

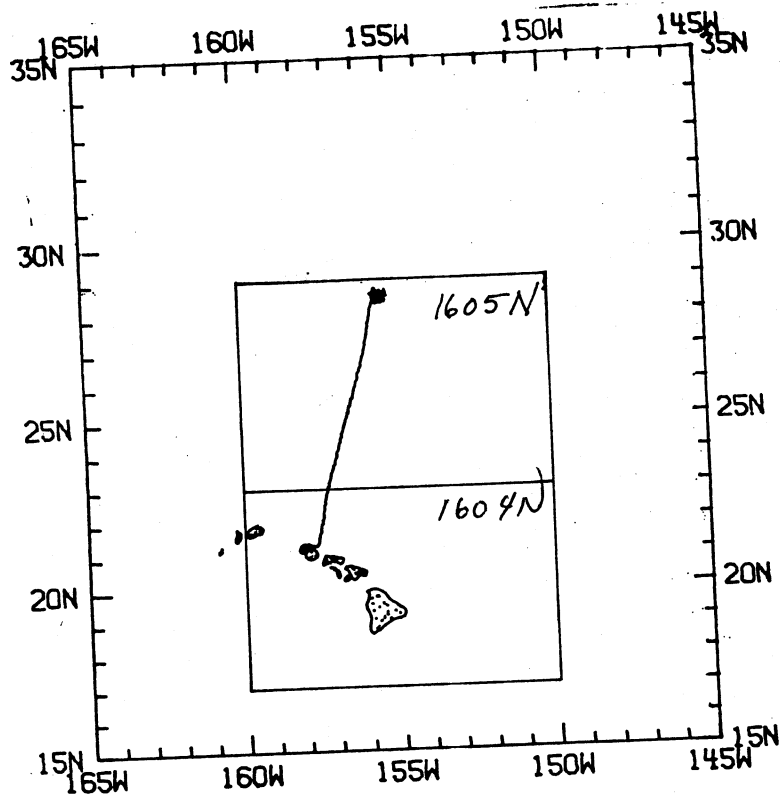
- Index Chart - gives track of cruise leg and boundaries of depth compilation plots (see below).
- Track Charts - annotated with dates (day/month) and hour ticks. The scale is .3"/deg. long.
- Profiles - Depth and magnetic anomaly vs. distance. Dates (day/month) and positions of major course changes (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 gamm/inch; anomaly scale north of 15°N and south of 15°S = 1000 gamm/inch; from values retrieved at approximately 1 mile spacing and regional field removed using the 1975 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

* NO SUBBOTTOM PROFILER DATA COLLECTED

* NO MAGNETIC DATA COLLECTED



INDOPAC EXPEDITION
 LEG 15
 R/V THOMAS WASHINGTON

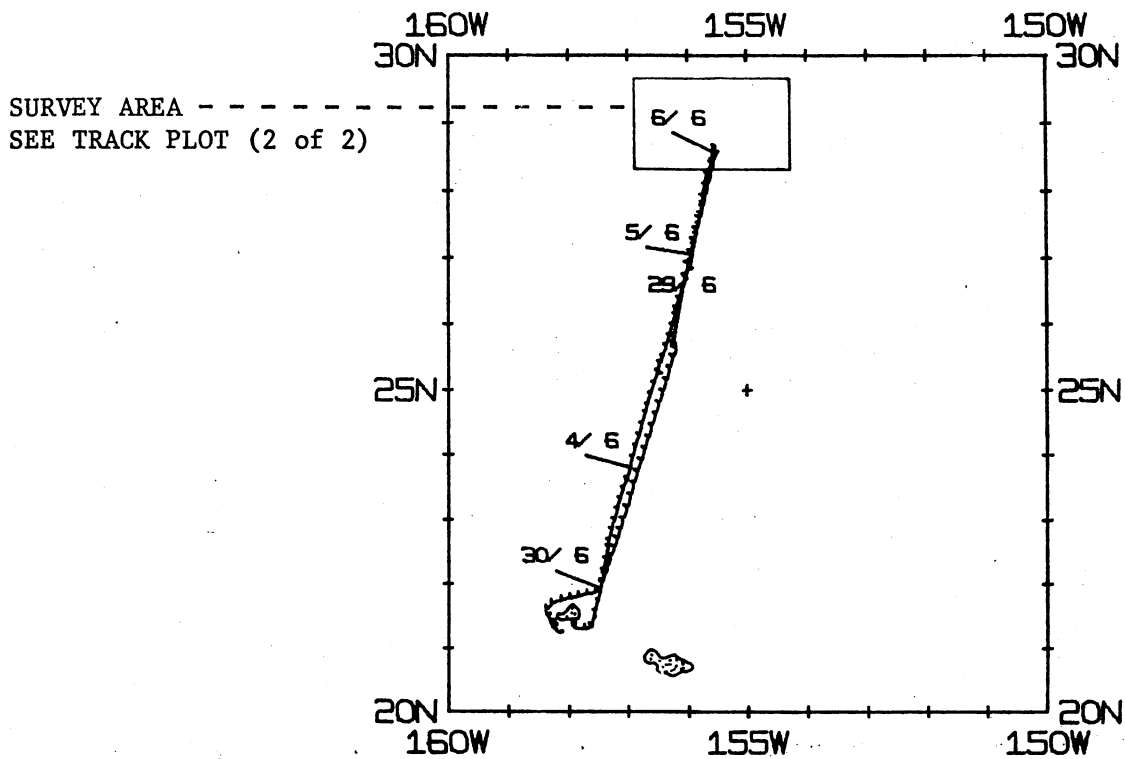
Chief Scientist - K. Smith (SIO)
 Ports - Honolulu - Honolulu, Hawaii
 Dates - 3 June to 30 June 1977

TOTAL MILEAGE

- 1) Cruise - 2316 miles
- 2) Bathymetry - 590 miles
- 3) Magnetics - none collected
- 4) Seismic Reflection - none collected

INDOP15WT TRACK PLOT (1 OF 2)

MERCATOR PROJECTION, SCALE= 0.312 IN/DEG LONGITUDE



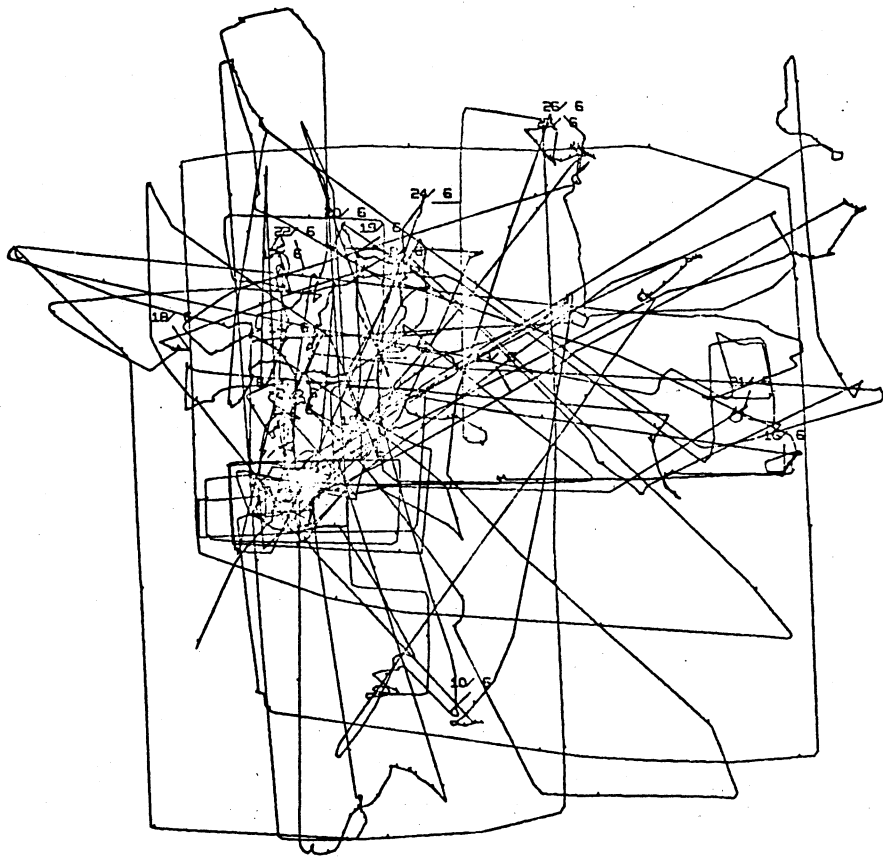
155° 50' W
29N

155° W
29N

SURVEY AREA

INOP15WT TRACK PLOT (2 OF 2)

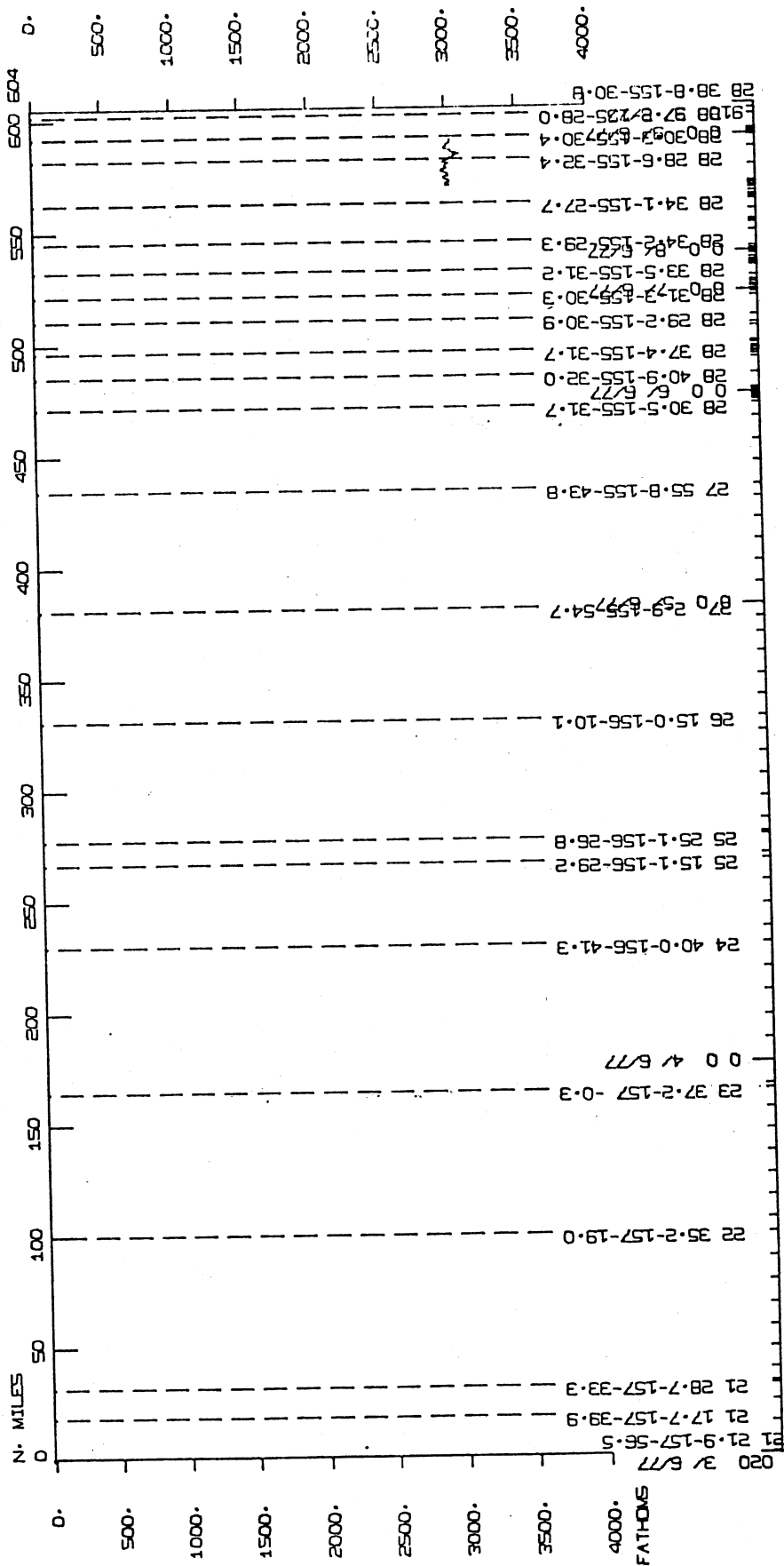
MERCATOR PROJECTION, SCALE = 14,000 IN/DEG LONGITUDE



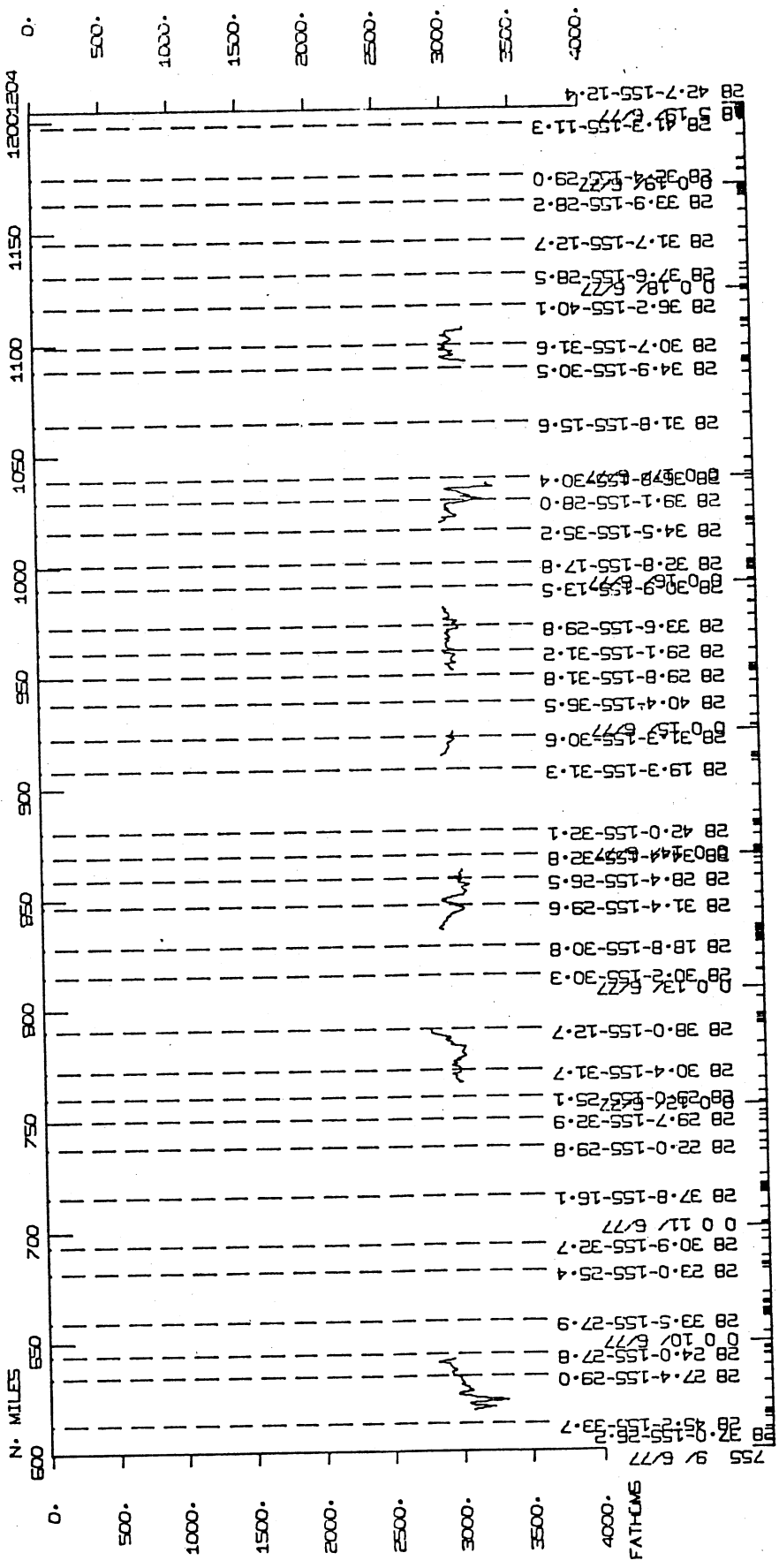
28N
155° 50' W

28N
155° W

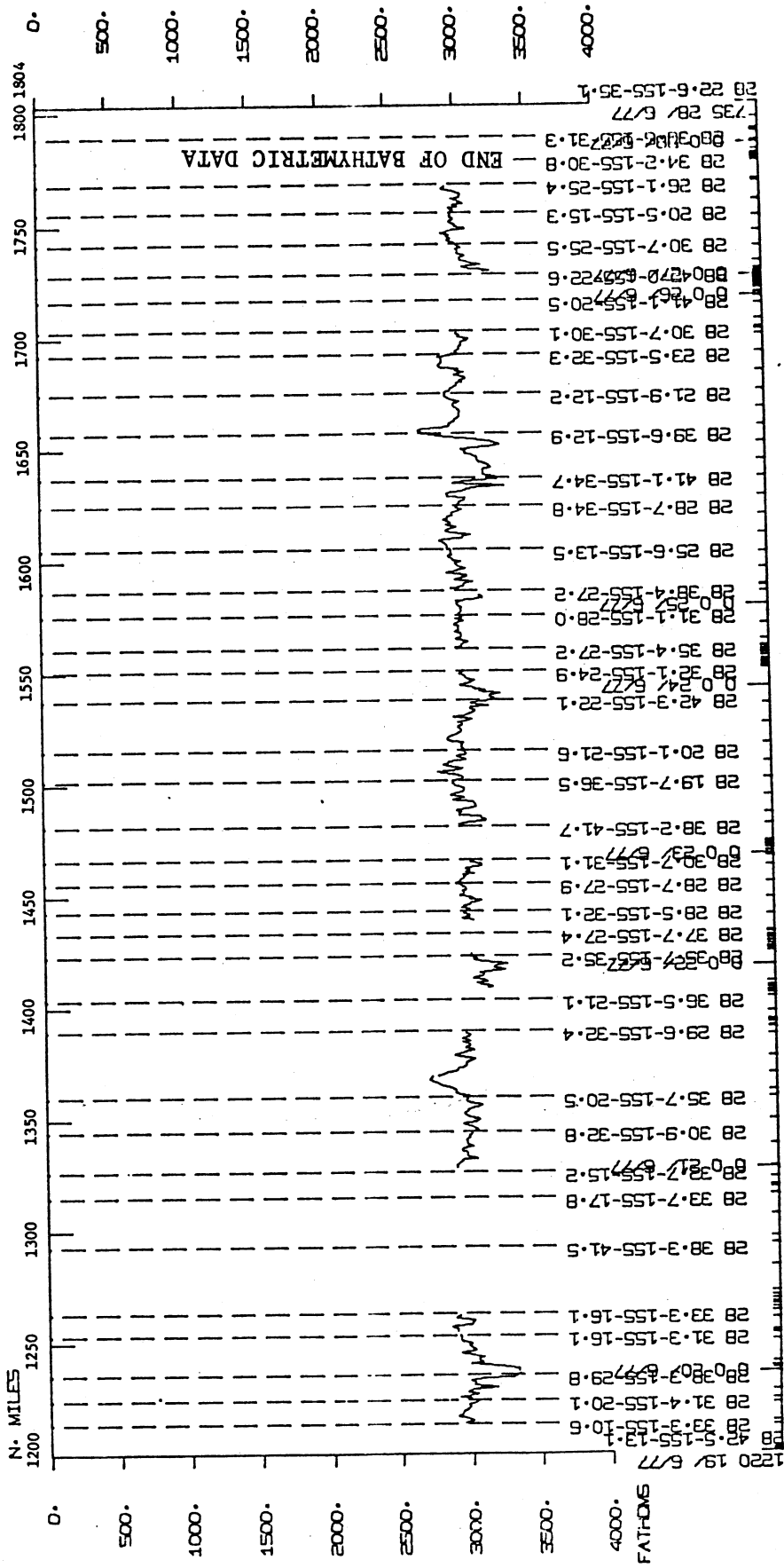
INDOPAC LEG 15



INDOPAC LEG 15



INDOPAC LEG 15



S.I.O. SAMPLE INDEX

(Issued September 28, 1977)

INDOPAC EXPEDITION

LEG 15

Honolulu, Hawaii (3 June 1977)
to
Honolulu, Hawaii (30 June 1977)

R/V Thomas Washington

Chief Scientist - K. Smith (SIO)

Resident Marine Tech - R. Wilson

Post-Cruise Processing and Report Preparation
by S.I.O. Geological Data Center - S. Smith,
U. Albright, G. Psaropulos, G. Papadopoulos

Index Encoding Funded by NSF
Grant Number OCE76-80618
Index Processing and Report Preparation
Funded in Part by SIA and ONR

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 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.)

NOTE: This document is intended primarily for informal use within the institution and is not to be reproduced or distributed outside Scripps without the prior approval of the Geological Data Center, Scripps Institution of Oceanography, La Jolla, CA 92093.

S.I.O. SAMPLE INDEX

GENERATED 28SEP77

*** INDO PAC EXPEDITION LEG 15

(INDP15WT) ***

		60E	120E	180	120W	60W	0W		
.....+.....+.....+.....+.....+.....+.....+.....+.....+.....+									
'X' = SHIP'S TRACK BY 5 DEGREE SQUARE									
85N									85N
80N						0	0000		80N
75N			0		0	0000	0000000000		75N
70N			000000000000		0000	0	00000000		70N
65N	0000	000000000000000000000000			0000000000000000	00	0000	0	65N
60N	000000000000000000000000000000				0000000000000000	00	00		60N
55N	0	00000000000000000000000000	00		0	00000000	000	00	55N
50N	000000000000000000000000000000		0		0000000000	0000		00	50N
45N	000000000000000000000000000000				00000000000000	0			45N
40N	0	00	00		00000000000000				40N
35N	0	00000	0000000000000000		0000000000			0	35N
30N	000	00000000000000000000	0		0000000000			00	30N
25N	0000000000	00000000000000		X	0000	0		000	25N
20N	00000000	0000	00000000	X	0	00		000	20N
15N	000000000	00	00	0		00	0	000	15N
10N	000000000	0	0	0		0		000	10N
5N	0000000000		0			00000		000	5N
0N	00000000		00	00		0000000			0N
5S	0000000		0	0	00		00000000		5S
10S	000000		0		00		000000000		10S
15S	000000			0	0		00000000		15S
20S	0000000	0		00000			00000000		20S
25S	00000	0		00000000			00000000		25S
30S	00			0000000000			0000		30S
35S	00			00	000	0	00000		35S
40S					00	0	000		40S
45S							00		45S
50S							00		50S
55S							0		55S
60S									60S
65S									65S
70S		00	000000000000			0			70S
75S	000000000000000000000000000000					0	00000	0000	75S
80S	000000000000000000000000000000				0000000000000000000000		00000000	00000000	80S
85S	000000000000000000000000000000				000000000000000000000000000000		000000000000000000000000000000		85S
90S	000000000000000000000000000000				00		00		90S
.....+.....+.....+.....+.....+.....+.....+.....+.....+.....+									
		60E	120E	180	120W	60W	0W		

03JUN77 - HONOLULU, HA.
TO
30JUN77 - HONOLULU, HA.

CHIEF SCIENTIST - SMITH, K. MED

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				
		BC	BD	DN	DP	GB	HC	LB	MM	NV	ON	PE	SD	SL	TD		TR	YP		
DCP	I											1			19			I	20	
FCR	I						9												I	24
GDC	I				17			1		15				5				10	I	33
IMR	I											4							I	4
MBD	I		1	1	2	3	12		7			6							I	32
MBR	I						1												I	1
MLR	I						34				48	2	5						I	89
MTG	I											2							I	2
ORD	I						11					1							I	12
PRL	I											3					10		I	13
RRH	I	14															8		I	22
SIX	I											1							I	1
TOTAL	I	14	1	1	19	3	67	1	7	15	48	20	5	5	19	18	10		I	253

SAMPLE 'TYPE' CODES USED ABOVE

- BC = BIOLOGICAL BOX CORE
- BD = BIOLOGICAL SAMPLE COLLECTED BY DIVER
- DN = DIP NET
- DP = DEPTH
- GB = GRAB SAMPLE
- HC = HYDROGRAPHIC CAST
- LB = LOG BOOKS
- MM = MIDWATER NET
- NV = NAVIGATION
- ON = OPEN NET
- PE = PERSONNEL IN SCIENTIFIC PARTY
- SD = SECCHI DISK
- SL = SET LINE
- TD = SALINITY/TEMPERATURE/DEPTH (STD)
- TR = TRAP
- YP = YINCH PUMP (HIGH VOLUME SUBMERSIBLE, FCRG)

SAMPLE 'DISP' CODES USED ABOVE

- DCP = DATA COLLECTION, PROCESSING GROUP -- F. WILKES (EXT. 3668)
- FCR = FOOD CHAIN RESEARCH GROUP -- P. WILLIAMS (EXT. 2929)
- GDC = GEOLOGICAL DATA CENTER -- S. SMITH (EXT. 2752)
- IMR = INSTITUTE MARINE RESOURCES
- MBD = MARINE BIOLOGY RESEARCH DIVISION
- MLR = MARINE LIFE RESEARCH GROUP (EXT. 2866)
- MTG = MARINE TECHNOLOGY GROUP (EXT 4194)
- ORD = OCEAN RESEARCH DIVISION
- PRL = PACIFIC RESEARCH LABORATORY
- RRH = ROBERT R. HESSLER (EXT 2665)
- SIX = SCRIPPS INSTITUTION NON-EMPLOYEE -- (CONTACT DORCAS UTTER EXT. 2356)

INDOPAC EXPEDITION LEG 15

INDP15WT

*** PORTS ***

330 - 3 677
1402 30 677

LGPT B HONOLULU, HA.
LGPT E HONOLULU, HA.

21 190N 157 525W F INDP15WT
21 190N 157 525W F INDP15WT

PERSONNEL

PECS	SMITH, K.	MBD	INDP15WT
PERT	WILSON, R.	MTG	INDP15WT
PECT	CHAKTERS, J.	MTG	INDP15WT
PEET	KAYE, R.	DCP	INDP15WT
PEMT	LAVAR, M.	MBD	INDP15WT
PEMT	WHITE, A.	MBD	INDP15WT
PE	BALDWIN, R.	IMR	INDP15WT
PES	BENNETT, J.	IMR	INDP15WT
PE	BURNETT, B.	MBD	INDP15WT
PE	HAYWARD, T.	MLR	INDP15WT
PE	HOLMES, G.	SIX	INDP15WT
PE	HOUPES, E.	ORD	INDP15WT
PES	MICHAELSEN, J.	MBD	INDP15WT
PE	MINOR, B.	PRL	INDP15WT
PES	OLSON, K.	IMR	INDP15WT
PE	VENRICK, E.	MLR	INDP15WT
PE	VONBOXTTEL, R.	PRL	INDP15WT
PE	WILLIAMS, P.	IMR	INDP15WT
PE	WILSON, G.	MBD	INDP15WT
PE	YAYANOS, A.	PRL	INDP15WT

*** 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 LUC	TZ LUC	SAMP CODE	SAMPLE IDENT.	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
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UNDERWAY DATA CURATOR - STUART SMITH (EXT.2752)

*** LUG BOOKS ***

1700	8	677		LBWP	B UNDERWAY WATCH LOG	GDC	28	380N 155 244W	S INDP15WT
1300	27	677		LBWP	E UNDERWAY WATCH LOG	GDC	28	261N 155 254W	S INDP15WT

*** NAVIGATION PLOTS ***

1740	2	677		NVBP	B BRIDGE PLOT 01	GDC	21	219N 157 565W	S INDP15WT
1328	3	677		NVBP	E BRIDGE PLOT 01	GDC	22	188N 157 221W	S INDP15WT
1516	3	677		NVBP	B BRIDGE PLOT 02	GDC	22	353N 157 191W	S INDP15WT
2120	4	677		NVBP	E BRIDGE PLOT 02	GDC	26	463N 155 595W	S INDP15WT
1940	27	677		NVBP	B BRIDGE PLOT 03	GDC	28	351N 155 305W	S INDP15WT
302	29	677		NVBP	E BRIDGE PLOT 03	GDC	25	208N 156 176W	S INDP15WT
640	29	677		NVBP	B BRIDGE PLOT 04	GDC	24	421N 156 307W	S INDP15WT
804	30	677		NVBP	E BRIDGE PLOT 04	GDC	21	303N 158 203W	S INDP15WT
302	3	677		NVCP	B COMPUTER DR PLOT 01	GDC	21	219N 157 561W	S INDP15WT
557	5	677		NVCP	E COMPUTER DR PLOT 01	GDC	27	562N 155 439W	S INDP15WT
601	5	677		NVCP	B COMPUTER DR PLOT 02	GDC	27	567N 155 438W	S INDP15WT
2030	12	677		NVCP	E COMPUTER DR PLOT 02	GDC	28	395N 155 107W	S INDP15WT
2037	12	677		NVCP	B COMPUTER DR PLOT 03	GDC	28	395N 155 107W	S INDP15WT
2249	16	677		NVCP	E COMPUTER DR PLOT 03	GDC	28	372N 155 332W	S INDP15WT
2251	16	677		NVCP	B COMPUTER DR PLOT 04	GDC	28	372N 155 332W	S INDP15WT
2150	17	677		NVCP	E COMPUTER DR PLOT 04	GDC	28	366N 155 392W	S INDP15WT
2152	17	677		NVCP	B COMPUTER DR PLOT 05	GDC	28	366N 155 395W	S INDP15WT
14	19	677		NVCP	E COMPUTER DR PLOT 05	GDC	28	356N 155 288W	S INDP15WT
15	19	677		NVCP	B COMPUTER DR PLOT 06	GDC	28	354N 155 288W	S INDP15WT
510	20	677		NVCP	E COMPUTER DR PLOT 06	GDC	28	315N 155 159W	S INDP15WT
515	20	677		NVCP	B COMPUTER DR PLOT 07	GDC	28	315N 155 159W	S INDP15WT
926	21	677		NVCP	E COMPUTER DR PLOT 07	GDC	28	300N 155 323W	S INDP15WT
927	21	677		NVCP	B COMPUTER DR PLOT 08	GDC	28	300N 155 323W	S INDP15WT
27	22	677		NVCP	E COMPUTER DR PLOT 08	GDC	28	363N 155 345W	S INDP15WT
30	22	677		NVCP	B COMPUTER DR PLOT 09	GDC	28	361N 155 349W	S INDP15WT
1846	25	677		NVCP	E COMPUTER DR PLOT 09	GDC	28	304N 155 304W	S INDP15WT

TIME GMT	DATE D.M.Y.	TIME TZ	SAMP LOC	LOC	CODE	SAMPLE IDENT.	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
1849	25	677	NVCP	B	COMPUTER DR PLOT 10	GDC 28 304N 155 303W S	INDP15WT			
957	28	677	NVCP	E	COMPUTER DR PLOT 10	GDC 27 584N 155 418W S	INDP15WT			
1000	28	677	NVCP	B	COMPUTER DR PLOT 11	GDC 27 579N 155 419W S	INDP15WT			
1400	30	677	NVCP	E	COMPUTER DR PLOT 11	GDC 21 138N 158 87W S	INDP15WT			
*** FATHOGRAMS ***										
1658	8	677	DPRT	B	GDR 12 KHZ R-01	GDC 28 380N 155 244W S	INDP15WT			
2030	8	677	DPRT	E	GDR 12 KHZ R-01	GDC 28 291N 155 319W S	INDP15WT			
1637	9	677	DPRT	B	GDR 12 KHZ R-02	GDC 28 431N 155 299W S	INDP15WT			
1930	9	677	DPRT	E	GDR 12 KHZ R-02	GDC 28 238N 155 286W S	INDP15WT			
300	12	677	DPRT	B	GDR 12 KHZ R-03	GDC 28 339N 155 274W S	INDP15WT			
538	12	677	DPRT	E	GDR 12 KHZ R-03	GDC 28 377N 155 134W S	INDP15WT			
1656	13	677	DPRT	B	GDR 12 KHZ R-04	GDC 28 205N 155 258W S	INDP15WT			
2037	13	677	DPRT	E	GDR 12 KHZ R-04	GDC 28 318N 155 262W S	INDP15WT			
2301	14	677	DPRT	B	GDR 12 KHZ R-05	GDC 28 223N 155 294W S	INDP15WT			
1	15	677	DPRT	E	GDR 12 KHZ R-05	GDC 28 315N 155 285W S	INDP15WT			
1650	15	677	DPRT	B	GDR 12 KHZ R-06	GDC 28 304N 155 302W S	INDP15WT			
2035	15	677	DPRT	E	GDR 12 KHZ R-06	GDC 28 306N 155 241W S	INDP15WT			
2009	16	677	DPRT	B	GDR 12 KHZ R-07	GDC 28 338N 155 336W S	INDP15WT			
2310	16	677	DPRT	E	GDR 12 KHZ R-07	GDC 28 372N 155 322W S	INDP15WT			
1508	17	677	DPRT	B	GDR 12 KHZ R-08	GDC 28 371N 155 297W S	INDP15WT			
1707	17	677	DPRT	E	GDR 12 KHZ R-08	GDC 28 374N 155 303W S	INDP15WT			
2003	19	677	DPRT	B	GDR 12 KHZ R-09	GDC 28 338N 155 104W S	INDP15WT			
2355	19	677	DPRT	E	GDR 12 KHZ R-09	GDC 28 383N 155 299W S	INDP15WT			
246	20	677	DPRT	B	GDR 12 KHZ R-10	GDC 28 391N 155 293W S	INDP15WT			
815	20	677	DPRT	E	GDR 12 KHZ R-10	GDC 28 333N 155 156W S	INDP15WT			
100	21	677	DPRT	B	GDR 12 KHZ R-11	GDC 28 330N 155 146W S	INDP15WT			
812	21	677	DPRT	E	GDR 12 KHZ R-11	GDC 28 298N 155 328W S	INDP15WT			
2240	21	677	DPRT	B	GDR 12 KHZ R-12	GDC 28 401N 155 208W S	INDP15WT			
43	22	677	DPRT	E	GDR 12 KHZ R-12	GDC 28 351N 155 345W S	INDP15WT			
1741	22	677	DPRT	B	GDR 12 KHZ R-13	GDC 28 330N 155 297W S	INDP15WT			
2130	22	677	DPRT	E	GDR 12 KHZ R-13	GDC 28 307N 155 311W S	INDP15WT			
1613	23	677	DPRT	B	GDR 12 KHZ R-14	GDC 28 384N 155 415W S	INDP15WT			
108	24	677	DPRT	E	GDR 12 KHZ R-14	GDC 28 320N 155 245W S	INDP15WT			

TIME	DATE	TIME	TZ	SAMP	DISP	28SEP77			PAGE	3
GMT	D.M.Y.	LOC	LOC	CODE	CODE	LAT.	LUNG.	CRUISE	LEG-SHIP	

2137	24	677		DPRT B GDR 12 KHZ R-15	GDC	28 358N	155 272W	S	INDP15WT	
1015	25	677		DPRT E GDR 12 KHZ R-15	GDC	28 414N	155 246W	S	INDP15WT	
1020	25	677		DPRT B GDR 12 KHZ R-16	GDC	28 414N	155 238W	S	INDP15WT	
1715	25	677		DPRT E GDR 12 KHZ R-16	GDC	28 299N	155 305W	S	INDP15WT	
718	27	677		DPRT B GDR 12 KHZ R-17	GDC	28 424N	155 217W	S	INDP15WT	
1300	27	677		DPRT E GDR 12 KHZ R-17	GDC	28 261N	155 254W	S	INDP15WT	

HYDROGRAPHIC CAST

734	3	677		HCNI		D			URD	21 285N	157 333W	S	INDP15WT
1520	3	677		HCNI		D			URD	22 354N	157 192W	S	INDP15WT
2242	3	677		HCNI		D			URD	23 372N	157 4W	S	INDP15WT
517	4	677		HCNI		D			URD	24 400N	156 413W	S	INDP15WT
1146	4	677		HCNA	TS		G		MLR	25 257N	156 257W	S	INDP15WT
1211	4	677		HCNI		D			URD	25 256N	156 258W	S	INDP15WT
1755	4	677		HCNI		D			URD	26 151N	156 101W	S	INDP15WT
2352	4	677		HCNI		D			URD	27 30N	155 548W	S	INDP15WT
550	5	677		HCNI		D			URD	27 560N	155 439W	S	INDP15WT
2120	5	677		HCNA	T		G	A	MLR	28 333N	155 314W	S	INDP15WT
237	6	677		HCNI		D			URD	28 335N	155 311W	S	INDP15WT
603	6	677		HCNA	T		G	A	MLR	28 337N	155 316W	S	INDP15WT
729	6	677		HCNI		D			URD	28 343N	155 319W	S	INDP15WT
945	6	677		HCNA	T		G		MLR	28 358N	155 313W	S	INDP15WT
1220	6	677		HCNA	T		G	A	MLR	28 381N	155 318W	S	INDP15WT
1430	6	677		HCNI		N	P	N	FCR	28 384N	155 314W	S	INDP15WT
1621	6	677		HCNA	T		G	A	MLR	28 383N	155 317W	S	INDP15WT
2115	6	677		HCNA	T	UN			MBD	28 299N	155 305W	S	INDP15WT
2321	6	677		HCNI		D			URD	28 312N	155 306W	S	INDP15WT
2215	7	677		HCNA	T	UN			MBD	28 359N	155 264W	S	INDP15WT
2347	7	677		HCNA	T	UN			MBD	28 370N	155 263W	S	INDP15WT
1033	8	677		HCNA	T	N		G	MBD	28 356N	155 284W	S	INDP15WT
1530	8	677		HCNI		N	P	N15	FCR	28 382N	155 266W	S	INDP15WT
1236	9	677		HCNA	T		G		MLR	28 459N	155 311W	S	INDP15WT
2050	9	677		HCNI			G		MLR	28 240N	155 275W	S	INDP15WT
841	10	677		HCNA	T		G		MLR	28 350N	155 248W	S	INDP15WT
1530	10	677		HCNI			H		FCR	28 362N	155 212W	S	INDP15WT
1550	10	677		HCNA	T		G		MLR	28 244N	155 239W	S	INDP15WT
1700	10	677		HCNA	T	UN			MBD	28 229N	155 253W	S	INDP15WT
1307	11	677		HCNI			GH		MLR	28 367N	155 183W	S	INDP15WT
1135	13	677		HCNA	T		G		MLR	28 216N	155 277W	S	INDP15WT
1410	13	677		HCNA	T		G	A	MLR	28 214N	155 270W	S	INDP15WT
558	14	677		HCNA	T		G	A	MLR	28 333N	155 336W	S	INDP15WT
808	14	677		HCNA	T		G		MLR	28 421N	155 321W	S	INDP15WT
1035	14	677		HCNA	T		G		MLR	28 439N	155 332W	S	INDP15WT
1300	14	677		HCNI		N		N15	FCR	28 443N	155 333W	S	INDP15WT
305	15	677		HCNA	T	UN			MBD	28 319N	155 281W	S	INDP15WT
2100	15	677		HCNI			GH		MLR	28 308N	155 238W	S	INDP15WT
803	16	677		HCNA	T		G		MLR	28 302N	155 173W	S	INDP15WT

TIME GMT	DATE D.M.Y.	TIME LOC	TZ LOC	SAMP CODE	SAMPLE IDENT.	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
1004	16	677		HCNA	T	G	MLR 28 319N	155 181W	S INDP15WT
1315	16	677		HCNI		H	FCR 28 324N	155 177W	S INDP15WT
1655	16	677		HCNA	T ON		MBD 28 331N	155 352W	S INDP15WT
1305	17	677		HCNI		G H	MLR 28 365N	155 299W	S INDP15WT
749	20	677		HCNA	T	G	MLR 28 347N	155 138W	S INDP15WT
1100	20	677		HCNA	T	G	MLR 28 343N	155 127W	S INDP15WT
1215	20	677		HCNI	N	N15	FCR 28 350N	155 125W	S INDP15WT
1721	20	677		HCNA	T	G A	MLR 28 380N	155 413W	S INDP15WT
435	21	677		HCNA	T	G A	MLR 28 359N	155 203W	S INDP15WT
2106	21	677		HCNI		GH	MLR 28 387N	155 208W	S INDP15WT
846	22	677		HCNA	T	G	MLR 28 367N	155 309W	S INDP15WT
2107	22	677		HCNA	T	G	MLR 28 309N	155 342W	S INDP15WT
200	23	677		HCNA	T ON		MBD 28 336N	155 311W	S INDP15WT
500	24	677		HCNA	T ON		MBR 28 324N	155 244W	S INDP15WT
933	24	677		HCNA	T	G	MLR 28 329N	155 271W	S INDP15WT
1133	24	677		HCNA	T	G	MLR 28 343N	155 252W	S INDP15WT
2116	24	677		HCNI		GH	MLR 28 357N	155 272W	S INDP15WT
105	25	677		HCNA	T	G	MBD 28 397N	155 264W	S INDP15WT
232	25	677		HCNA	T	G	MBD 28 380N	155 271W	S INDP15WT
340	26	677		HCNA	T ON		MBD 28 404N	155 207W	S INDP15WT
1730	26	677		HCNA	N		FCR 28 412N	155 205W	S INDP15WT
1830	26	677		HCNI	N		FCR 28 412N	155 206W	S INDP15WT
1822	26	677		HCNA	T	G	MLR 28 412N	155 206W	S INDP15WT
2140	26	677		HCNI		GH	MLR 28 411N	155 215W	S INDP15WT
134	27	677		HCNA	T	G	MLR 28 410N	155 216W	S INDP15WT
410	27	677		HCNA	T	G	MLR 28 416N	155 223W	S INDP15WT
455	27	677		HCNA	T ON		MBD 28 419N	155 225W	S INDP15WT
1340	27	677		HCNA	N		FCR 28 266N	155 251W	S INDP15WT

MIDWATER NET

2127	7	677		MNVE	B	MIDWATER NET 1	MBD 28 352N	155 274W	S INDP15WT
1003	8	677		MNVE	E	MIDWATER NET 1	MBD 28 352N	155 282W	S INDP15WT
2116	8	677		MNVE	B	MIDWATER NET 2	MBD 28 293N	155 310W	S INDP15WT
2300	10	677		MNVE	E	MIDWATER NET 2	MBD 28 289N	155 308W	S INDP15WT
2011	9	677		MNVE	B	MIDWATER NET 3	MBD 28 239N	155 277W	S INDP15WT
2130	9	677		MNVE	E	MIDWATER NET 3	MBD 28 240N	155 278W	S INDP15WT
2335	09	0677		MNVE	B	MIDWATER NET 4	MBD 28 247N	155 272W	F INDP15WT
1920	11	0677		MNVE	E	MIDWATER NET 4	MBD 28 252N	155 272W	F INDP15WT
2234	11	677		MNVE	B	MIDWATER NET 5	MBD 28 297N	155 329W	S INDP15WT
945	15	677		MNVE	E	MIDWATER NET 5	MBD 28 298N	155 318W	S INDP15WT
2347	12	677		MNVE	X	MIDWATER NET 6	MBD 28 346N	155 212W	S INDP15WT
0050	16	0677		MNVE	B	MIDWATER NET 7	MBD 28 313N	155 129W	F INDP15WT
1954	19	0677		MNVE	E	MIDWATER NET 7	MBD 28 337N	155 103W	F INDP15WT

TIME GMT	DATE D.M.Y.	TIME LOC	TZ LOC	SAMP CODE	SAMPLE IDENT.	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
2234	21	677		MNVF B	MIDWATER NET 8	MBD 28	400N	155 208W	S INDP15WT
315	26	677		MNVF E	MIDWATER NET 8	MBD 28	403N	155 206W	S INDP15WT
GRAB SAMPLE									
2133	6	677		GBFF B	GRABRESPIROMETER 570	MBD 28	302N	155 305W	S INDP15WT
145	13	677		GBFF E	GRABRESPIROMETER 570	MBD 28	305N	155 304W	S INDP15WT
0038	15	0677		GBFF B	GRABRESPIROM. 3009	MBD 28	321N	155 282W	F INDP15WT
0430	19	0677		GBFF E	GRABRESPIROM. 3009	MBD 28	327N	155 288W	F INDP15WT
509	20	677		GBFF B	GRAB RESPIROMETER	MBD 28	315N	155 159W	S INDP15WT
36	21	677		GBFF E	GRAB RESPIROMETER	MBD 28	329N	155 148W	S INDP15WT
7	23	677		GBFF X	GRAB RESPIROMETER	MBD 28	324N	155 313W	S INDP15WT
BIOLOGICAL RECORD									
1400	10	677		DPBR B	SCATTERING LAYER	MBD 28	364N	155 212W	S INDP15WT
1700	10	677		DPBR E	SCATTERING LAYER	MBD 28	229N	155 253W	S INDP15WT
1435	14	677		DPBR B	SCATTERING LAYER	MBD 28	442N	155 337W	S INDP15WT
1500	14	677		DPBR E	SCATTERING LAYER	MBD 28	400N	155 335W	S INDP15WT
BIOLOGICAL COLLECTION DIVE									
1100	12	677		BDIV B	BIO-COLLECTION DIVE	MBD 28	380N	155 114W	S INDP15WT
1200	12	677		BDIV E	BIO-COLLECTION DIVE	MBD 28	386N	155 109W	S INDP15WT
DIPNET									
2350	16	677		DNIV	DIPNET SAMPLE	MBD 28	369N	155 314W	S INDP15WT
YENCH PUMP									
1920	5	677		YP B	DPW 10	FCR 28	330N	155 312W	S INDP15WT
2052	5	677		YP E	DPW 10	FCR 28	332N	155 312W	S INDP15WT
500	8	677		YP B	DPW 500	FCR 28	405N	155 298W	S INDP15WT
700	8	677		YP E	DPW 500	FCR 28	420N	155 306W	S INDP15WT
2210	8	677		YP B	DPW 1200	FCR 28	293N	155 310W	S INDP15WT
40	9	677		YP E	DPW 1200	FCR 28	299N	155 305W	S INDP15WT

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1700	12	677		YP B	DPQ	2000	FCR 28	393N	155 103W	S INDP15WT
2005	12	677		YP E	DPQ	2000	FCR 28	395N	155 107W	S INDP15WT
2320	17	677		YP B	DPQ	900	FCR 28	350N	155 356W	S INDP15WT
310	18	677		YP E	DPQ	900	FCR 28	352N	155 360W	S INDP15WT
1450	22	677		YP B	DPQ	100	FCR 28	377N	155 268W	S INDP15WT
1540	22	677		YP E	DPQ	100	FCR 28	377N	155 270W	S INDP15WT
530	24	677		YP B	DPQ	3000	FCR 28	326N	155 249W	S INDP15WT
800	24	677		YP E	DPQ	3000	FCR 28	328N	155 261W	S INDP15WT
1540	24	677		YP B	DPQ	5682	FCR 28	349N	155 261W	S INDP15WT
1900	24	677		YP E	DPQ	5682	FCR 28	354N	155 262W	S INDP15WT
1835	25	677		YP B	DPQ	1	FCR 28	303N	155 304W	S INDP15WT
2015	25	677		YP E	DPQ	1	FCR 28	311N	155 299W	S INDP15WT
1615	27	677		YP B	DPQ	4000	FCR 28	340N	155 307W	S INDP15WT
2130	27	677		YP E	DPQ	4000	FCR 28	353N	155 304W	S INDP15WT

SET LINE

1437	10	677		SLHF B		N15	FCR 28	367N	155 209W	S INDP15WT
439	11	677		SLHF E		N15	FCR 28	378N	155 165W	S INDP15WT
1430	14	677		SLHF B	N	N15	FCR 28	442N	155 337W	S INDP15WT
800	15	677		SLHF E	N	N15	FCR 28	404N	155 365W	S INDP15WT
1420	16	677		SLHF B		H	FCR 28	328N	155 174W	S INDP15WT
533	17	677		SLHF E		H	FCR 28	336N	155 97W	S INDP15WT
1450	20	677		SLHF B	N	N15	FCR 28	359N	155 165W	S INDP15WT
600	21	677		SLHF E	N	N15	FCR 28	392N	155 135W	S INDP15WT
1350	22	677		SLHF B		H	FCR 28	375N	155 265W	S INDP15WT
1400	22	677		SLHF E		H	FCR 28	376N	155 266W	S INDP15WT

TRAP

17	6	677		TRVF B	TRAP 1	5661	PRL 28	333N	155 310W	S INDP15WT
1807	6	677		TRVF E	TRAP 1	5661	PRL 28	331N	155 319W	S INDP15WT
1844	6	677		TRVF B	TRAP 2	5701	PRL 28	328N	155 318W	S INDP15WT
1210	7	677		TRVF E	TRAP 2	5701	PRL 28	336N	155 311W	S INDP15WT
234	8	677		TRVF B	TRAP 3	5661	PRL 28	383N	155 264W	S INDP15WT
1631	8	677		TRVF E	TRAP 3	5661	PRL 28	380N	155 243W	S INDP15WT

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335	8	677		TRVF B	TRAP 4	5777	RRH 28 342N	155 293W	S INDP15WT
930	9	677		TRVF E	TRAP 4	5777	RRH 28 399N	155 325W	S INDP15WT
426	8	677		TRVF B	TRAP 5	6071	RRH 28 401N	155 296W	S INDP15WT
1055	9	677		TRVF E	TRAP 5	6071	RRH 28 456N	155 329W	S INDP15WT
1757	8	677		TRVF B	TRAP 6	5781	PRL 28 379N	155 245W	S INDP15WT
808	9	677		TRVF E	TRAP 6	5781	PRL 28 370N	155 262W	S INDP15WT
28	10	677		TRVF B	TRAP 7	5549	PRL 28 234N	155 254W	S INDP15WT
1623	10	677		TRVF E	TRAP 7	5549	PRL 28 229N	155 255W	S INDP15WT
118	10	677		TRVF B	TRAP 8	5710	RRH 28 287N	155 268W	S INDP15WT
153	12	677		TRVF E	TRAP 8	5710	RRH 28 289N	155 251W	S INDP15WT
202	10	677		TRVF B	TRAP 9	5623	RRH 28 335N	155 279W	S INDP15WT
245	12	677		TRVF E	TRAP 9	5623	RRH 28 324N	155 281W	S INDP15WT
445	13	677		TRVF B	TRAP 10	5500	PRL 28 191N	155 306W	S INDP15WT
1720	14	677		TRVF E	TRAP 10	5500	PRL 28 198N	155 287W	S INDP15WT
735	14	677		TRVF B	TRAP 11	5899	RRH 28 420N	155 321W	S INDP15WT
153	16	677		TRVF E	TRAP 11	5899	RRH 28 311N	155 129W	S INDP15WT
855	15	677		TRVF B	TRAP 12	5487	PRL 28 334N	155 348W	S INDP15WT
1651	16	677		TRVF E	TRAP 12	5487	PRL 28 331N	155 352W	S INDP15WT
145	16	677		TRVF B	TRAP 13	5604	RRH 28 312N	155 129W	S INDP15WT
845	18	677		TRVF E	TRAP 13	5604	RRH 28 324N	155 194W	S INDP15WT
32	17	677		TRVF B	TRAP 14	6049	PRL 28 368N	155 306W	S INDP15WT
1620	17	677		TRVF E	TRAP 14	6049	PRL 28 312N	155 316W	S INDP15WT
450	18	677		TRVF B	TRAP 15		PRL 28 375N	155 288W	S INDP15WT
113	20	677		TRVF E	TRAP 15		PRL 28 381N	155 288W	S INDP15WT
1656	20	677		TRVF B	TRAP 16	5643	RRH 28 380N	155 413W	S INDP15WT
1601	23	677		TRVF E	TRAP 16	5643	RRH 28 380N	155 417W	S INDP15WT
411	21	677		TRVF B	TRAP 17	5741	PRL 28 357N	155 205W	S INDP15WT
1634	21	677		TRVF E	TRAP 17	5741	PRL 28 360N	155 205W	S INDP15WT
1652	22	677		TRVF B	TRAP 18	5762	RRH 28 377N	155 274W	S INDP15WT
208	25	677		TRVF E	TRAP 18	5762	RRH 28 379N	155 272W	S INDP15WT

SECCHI DISK

2040	9	677		SD	SECCHI DISK	37	MLR 28 240N	155 275W	S INDP15WT
2050	15	677		SD	SECCHI DISK	37	MLR 28 308N	155 237W	S INDP15WT
2052	21	677		SD	SECCHI DISK	34	MLR 28 385N	155 207W	S INDP15WT

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2101	24	677		SD	SECCHI DISK	33	MLR 28 355N	155 272W	S INDP15WT
2132	26	677		SD	SECCHI DISK	35	MLR 28 411N	155 215W	S INDP15WT
UPEN NET									
858	4	677		UN1M B	5050 200		MLR 25 153N	156 292W	S INDP15WT
913	4	677		UN1M E	5050 200		MLR 25 156N	156 293W	S INDP15WT
918	4	677		UN1M B	5050 200		MLR 25 157N	156 293W	S INDP15WT
939	4	677		UN1M E	5050 200		MLR 25 160N	156 295W	S INDP15WT
1053	4	677		UN1M B	5050 200		MLR 25 254N	156 267W	S INDP15WT
1115	4	677		UN1M E	5050 200		MLR 25 256N	156 263W	S INDP15WT
2153	4	677		UN1M B	5050 200		MLR 26 505N	155 582W	S INDP15WT
2215	4	677		UN1M E	5050 200		MLR 26 511N	155 583W	S INDP15WT
443	6	677		UN50 B	35V 200		MLR 28 338N	155 318W	S INDP15WT
453	6	677		UN50 E	35V 200		MLR 28 338N	155 318W	S INDP15WT
1008	6	677		UN1M B	5050 200		MLR 28 360N	155 313W	S INDP15WT
1030	6	677		UN1M E	5050 200		MLR 28 364N	155 315W	S INDP15WT
1035	6	677		UN1M B	5050 200		MLR 28 365N	155 315W	S INDP15WT
1057	6	677		UN1M E	5050 200		MLR 28 368N	155 316W	S INDP15WT
1102	6	677		UN1M B	5050 200		MLR 28 369N	155 316W	S INDP15WT
1123	6	677		UN1M E	5050 200		MLR 28 373N	155 317W	S INDP15WT
423	6	677		UN50 B	35V 200		MLR 28 337N	155 317W	S INDP15WT
443	6	677		UN50 E	35V 200		MLR 28 338N	155 318W	S INDP15WT
1643	6	677		UN50 B	35V 200		MLR 28 382N	155 318W	S INDP15WT
1653	6	677		UN50 E	35V 200		MLR 28 382N	155 318W	S INDP15WT
1115	9	677		UN1M B	5050 200		MLR 28 457N	155 328W	S INDP15WT
1123	9	677		UN1M E	5050 200		MLR 28 457N	155 326W	S INDP15WT
1142	9	677		UN1M B	5050 200		MLR 28 458N	155 321W	S INDP15WT
1203	9	677		UN1M E	5050 200		MLR 28 459N	155 316W	S INDP15WT
1300	9	677		UN50 B	35V 100		MLR 28 458N	155 310W	S INDP15WT
1310	9	677		UN50 E	35V 100		MLR 28 458N	155 310W	S INDP15WT
1400	9	677		UN50 B	35V 100		MLR 28 457N	155 308W	S INDP15WT
1410	9	677		UN50 E	35V 100		MLR 28 456N	155 308W	S INDP15WT
1431	9	677		UN50 B	35V 100		MLR 28 456N	155 307W	S INDP15WT
1441	9	677		UN50 E	35V 100		MLR 28 455N	155 307W	S INDP15WT

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1500	9	677		UN50 B	35V 100	MLR 28	453N	155 306W	S INDP15WT
1510	9	677		UN50 E	35V 100	MLR 28	452N	155 304W	S INDP15WT
1531	9	677		UN50 B	35V 100	MLR 28	450N	155 303W	S INDP15WT
1541	9	677		UN50 E	35V 100	MLR 28	449N	155 302W	S INDP15WT
1600	9	677		UN50 B	35V 100	MLR 28	448N	155 300W	S INDP15WT
1610	9	677		UN50 E	35V 100	MLR 28	447N	155 300W	S INDP15WT
858	10	677		UN1M B	5050 200	MLR 28	351N	155 244W	S INDP15WT
921	10	677		UN1M E	5050 200	MLR 28	353N	155 237W	S INDP15WT
926	10	677		UN1M B	5050 200	MLR 28	354N	155 236W	S INDP15WT
947	10	677		UN1M E	5050 200	MLR 28	356N	155 229W	S INDP15WT
950	10	677		UN1M B	5050 200	MLR 28	356N	155 228W	S INDP15WT
1011	10	677		UN1M E	5050 200	MLR 28	357N	155 221W	S INDP15WT
1035	11	677		UN1M B	5050 200	MLR 28	366N	155 181W	S INDP15WT
1057	11	677		UN1M E	5050 200	MLR 28	365N	155 183W	S INDP15WT
1313	12	677		UN50 B	35V 100	MLR 28	393N	155 101W	S INDP15WT
1323	12	677		UN50 E	35V 100	MLR 28	393N	155 101W	S INDP15WT
1400	12	677		UN50 B	35V 100	MLR 28	393N	155 101W	S INDP15WT
1410	12	677		UN50 E	35V 100	MLR 28	393N	155 101W	S INDP15WT
1500	12	677		UN50 B	35V 100	MLR 28	393N	155 102W	S INDP15WT
1510	12	677		UN50 E	35V 100	MLR 28	393N	155 102W	S INDP15WT
1545	12	677		UN50 B	35V 100	MLR 28	392N	155 103W	S INDP15WT
1555	12	677		UN50 E	35V 100	MLR 28	392N	155 104W	S INDP15WT
1004	13	677		UN1M B	5050 200	MLR 28	206N	155 282W	S INDP15WT
1025	13	677		UN1M E	5050 200	MLR 28	210N	155 280W	S INDP15WT
1031	13	677		UN1M B	5050 200	MLR 28	211N	155 279W	S INDP15WT
1052	13	677		UN1M E	5050 200	MLR 28	214N	155 278W	S INDP15WT
1253	13	677		UN50 B	35V 200	MLR 28	215N	155 272W	S INDP15WT
1337	13	677		UN50 E	35V 200	MLR 28	215N	155 271W	S INDP15WT
827	14	677		UN1M B	5050 200	MLR 28	421N	155 321W	S INDP15WT
849	14	677		UN1M E	5050 200	MLR 28	425N	155 323W	S INDP15WT
855	14	677		UN1M B	5050 200	MLR 28	426N	155 324W	S INDP15WT
916	14	677		UN1M E	5050 200	MLR 28	428N	155 327W	S INDP15WT
918	14	677		UN1M B	5050 200	MLR 28	428N	155 327W	S INDP15WT
940	14	677		UN1M E	5050 200	MLR 28	432N	155 328W	S INDP15WT

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817	16	677		UN1M B	5050 200	MLR 28	303N	155 174W	S INDP15WT
840	16	677		UN1M E	5050 200	MLR 28	308N	155 177W	S INDP15WT
842	16	677		UN1M B	5050 200	MLR 28	308N	155 177W	S INDP15WT
903	16	677		UN1M E	5050 200	MLR 28	312N	155 179W	S INDP15WT
909	16	677		UN1M B	5050 200	MLR 28	313N	155 179W	S INDP15WT
933	16	677		UN1M E	5050 200	MLR 28	316N	155 180W	S INDP15WT
1307	19	677		UN50 B	35V 100	MLR 28	428N	155 129W	S INDP15WT
1317	19	677		UN50 E	35V 100	MLR 28	429N	155 129W	S INDP15WT
1401	19	677		UN50 B	35V 100	MLR 28	431N	155 129W	S INDP15WT
1411	19	677		UN50 E	35V 100	MLR 28	432N	155 129W	S INDP15WT
1459	19	677		UN50 B	35V 100	MLR 28	434N	155 129W	S INDP15WT
1509	19	677		UN50 E	35V 100	MLR 28	434N	155 129W	S INDP15WT
1558	19	677		UN50 B	35V 100	MLR 28	437N	155 129W	S INDP15WT
1609	19	677		UN50 E	35V 100	MLR 28	437N	155 129W	S INDP15WT
904	20	677		UN1M B	5050 200	MLR 28	334N	155 158W	S INDP15WT
924	20	677		UN1M E	5050 200	MLR 28	334N	155 153W	S INDP15WT
927	20	677		UN1M B	5050 200	MLR 28	335N	155 152W	S INDP15WT
948	20	677		UN1M E	5050 200	MLR 28	337N	155 147W	S INDP15WT
953	20	677		UN1M B	5050 200	MLR 28	337N	155 145W	S INDP15WT
1015	20	677		UN1M E	5050 200	MLR 28	339N	155 139W	S INDP15WT
903	22	677		UN1M B	5050 200	MLR 28	368N	155 308W	S INDP15WT
923	22	677		UN1M E	5050 200	MLR 28	369N	155 304W	S INDP15WT
925	22	677		UN1M B	5050 200	MLR 28	369N	155 304W	S INDP15WT
946	22	677		UN1M E	5050 200	MLR 28	370N	155 300W	S INDP15WT
952	22	677		UN1M B	5050 200	MLR 28	370N	155 298W	S INDP15WT
1013	22	677		UN1M E	5050 200	MLR 28	371N	155 294W	S INDP15WT
952	24	677		UN1M B	5050 200	MLR 28	332N	155 272W	S INDP15WT
1014	24	677		UN1M E	5050 200	MLR 28	335N	155 268W	S INDP15WT
1017	24	677		UN1M B	5050 200	MLR 28	335N	155 267W	S INDP15WT
1039	24	677		UN1M E	5050 200	MLR 28	337N	155 262W	S INDP15WT
1042	24	677		UN1M B	5050 200	MLR 28	338N	155 261W	S INDP15WT
1103	24	677		UN1M E	5050 200	MLR 28	340N	155 256W	S INDP15WT

TIME	DATE	TIME	TZ	SAMP	DISP				PAGE	11
GMT	D.M.Y.	LUC	LUC	CODE	CODE	LAT.	LONG.	LEG-SHIP	CRUISE	

SALINITY, TEMPERATURE, DEPTH

1703	5	677		TDDT B	001	300M	0	DCP 28	324N	155	312W	S	INDP15WT	
1746	5	677		TDDT E	001	300M	0	DCP 28	326N	155	312W	S	INDP15WT	
1749	5	677		TDDT B	002	300M	0	DCP 28	326N	155	312W	S	INDP15WT	
1801	5	677		TDDT E	002	300M	0	DCP 28	326N	155	312W	S	INDP15WT	
2239	5	677		TDDT B	617D	003	1000M	S18	DCP 28	333N	155	314W	S	INDP15WT
2331	5	677		TDDT E	617D	003	1000M	S18	DCP 28	332N	155	312W	S	INDP15WT
2331	5	677		TDDT B	617U	004	1000M	S18	DCP 28	332N	155	312W	S	INDP15WT
2345	5	677		TDDT E	617U	004	1000M	S18	DCP 28	332N	155	311W	S	INDP15WT
1313	6	677		TDDT B	629D	005	1000M	S 2	DCP 28	387N	155	316W	S	INDP15WT
1348	6	677		TDDT E	629D	005	1000M	S 2	DCP 28	386N	155	315W	S	INDP15WT
1403	6	677		TDDT B	629U	006	1000M		DCP 28	385N	155	315W	S	INDP15WT
1416	6	677		TDDT E	629U	006	1000M		DCP 28	384N	155	314W	S	INDP15WT
1121	11	677		TDDT B	678D	007	1000M	S 2	DCP 28	365N	155	184W	S	INDP15WT
1240	11	677		TDDT E	678D	007	1000M	S 2	DCP 28	367N	155	184W	S	INDP15WT
1447	11	677		TDDT B	689D	012	1000M		DCP 28	366N	155	181W	S	INDP15WT
1520	11	677		TDDT E	689U	013	1000M		DCP 28	366N	155	179W	S	INDP15WT
1219	12	677		TDDT B	693D	014	1308M		DCP 28	391N	155	105W	S	INDP15WT
1304	12	677		TDDT E	693U	015	1308M		DCP 28	393N	155	101W	S	INDP15WT
1201	13	677		TDDT B	705D	016	1010M		DCP 28	216N	155	275W	S	INDP15WT
1228	13	677		TDDT E	705U	017	1010M		DCP 28	215N	155	274W	S	INDP15WT
1056	14	677		TDDT B	717D	018	1015M		DCP 28	440N	155	332W	S	INDP15WT
1118	14	677		TDDT E	717U	019	1015M		DCP 28	440N	155	333W	S	INDP15WT
1155	14	677		TDDT B	717RD	020	375M		DCP 28	441N	155	333W	S	INDP15WT
1202	14	677		TDDT E	717RU	021	375M		DCP 28	441N	155	333W	S	INDP15WT
1524	15	677		TDDT B	725D	022	1016M	S18	DCP 28	304N	155	311W	S	INDP15WT
1628	15	677		TDDT E	725U	023	1016M	S18	DCP 28	304N	155	305W	S	INDP15WT
1034	16	677		TDDT B	736D	024	1012M		DCP 28	321N	155	182W	S	INDP15WT
1056	16	677		TDDT E	736U	025	1010M		DCP 28	320N	155	181W	S	INDP15WT
1605	18	677		TDDT B	755D	026	1018M		DCP 28	371N	155	273W	S	INDP15WT
1626	18	677		TDDT E	755U	027	1010M		DCP 28	371N	155	272W	S	INDP15WT
1336	21	677		TDDT B	783.5D	028	1028M	S 2	DCP 28	310N	155	308W	S	INDP15WT
1411	21	677		TDDT E	783.5U	029	1028M	S 2	DCP 28	312N	155	308W	S	INDP15WT

TIME GMT	DATE D.M.Y.	TIME LOC	TZ LOC	SAMP CODE	SAMPLE IDENT.	DISP CODE	LAT.	LONG.	CRUISE LEG-SHIP
1136	22	677		TDDT B	793D 030 1022M S 2	DCP 28	373N	155 287W	S INDP15WT
1200	22	677		TDDT E	793U 031 1022M S 2	DCP 28	373N	155 287W	S INDP15WT
1201	24	677		TDDT B	808D 032 1010M	DCP 28	344N	155 252W	S INDP15WT
1234	24	677		TDDT E	808U 033 1010M	DCP 28	345N	155 253W	S INDP15WT
550	26	677		TDDT B	827D 034 1015M S39	DCP 28	412N	155 206W	S INDP15WT
616	28	677		TDDT E	835U 077 2878M S39	DCP 28	337N	155 319W	S INDP15WT

BOX CORE

1317	5	677		BC	BIU BOXCORE 5784	RRH 28	316N	155 315W	S INDP15WT
616	7	677		BC	BIU BOXCORE 5686	RRH 28	314N	155 307W	S INDP15WT
1442	7	677		BC	BIU BOXCORE 5782	RRH 28	343N	155 302W	S INDP15WT
354	9	677		BC	BIU BOXCORE 5692	RRH 28	306N	155 298W	S INDP15WT
501	10	677		BC	BIU BOXCORE 5670	RRH 28	342N	155 267W	S INDP15WT
746	11	677		BC	BIU BOXCORE 5546	RRH 28	377N	155 165W	S INDP15WT
0941	12	677		BC	BIU BOXCORE 5300	RRH 28	379N	155 115W	F INDP15WT
722	13	677		BC	BIU BOXCORE 5429	RRH 28	201N	155 292W	S INDP15WT
1235	15	677		BC	BIU BOXCORE 5762	RRH 28	301N	155 317W	S INDP15WT
455	16	677		BC	BIU BOXCORE 5598	RRH 28	307N	155 177W	S INDP15WT
1003	17	677		BC	BIU BOXCORE 5584	RRH 28	358N	155 303W	S INDP15WT
1310	18	677		BC	BIU BOXCORE 5632	RRH 28	365N	155 273W	S INDP15WT
938	19	677		BC	BIU BOXCORE 5690	RRH 28	418N	155 129W	S INDP15WT
1050	21	677		BC	BIU BOXCORE 5682	RRH 28	308N	155 324W	S INDP15WT

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END SAMPLE INDEX

INDP15WT