

DATE OF ENTRY: 04/21/86REFERENCE NUMBER: 319637ACCESSION NUMBER: 8500250

FORMER REFERENCE NUMBER: \_\_\_\_\_ FORMER ACCESSION NUMBER: \_\_\_\_\_ (RESUB ONLY)

-----  
INVENTORYMEDIA-IN: 01 - Digital Magnetic Tape DINDB CODE 09EXCHANGE (FORMAT): E001 - Low Resolution STDPROCESSING (FORMAT): C022 - Low Resolution STD (SD2 Format)

\* NOTE \* If data is F022, create an additional record for C022.

INSTITUTE (COUNTRY AND INSTITUTE CODES): 31B7PLATFORM (COUNTRY AND PLATFORM CODES): 31M4PLATFORM TYPE: 9 - Ship DINDB CODE 09ORIGINATORS FILE ID: \_\_\_\_\_ ORIGINATORS CRUISE ID: TT6257CRUISE START DATE: 10/12/84 CRUISE END DATE: 11/05/84 Press PgDnPROJECT CODE: 0167 DATA USE CODE (DUC): 3 to continueVOLUME - NUMBER OF STATIONS: 26 NUMBER OF RECORDS: 1,323

If STA/REC counts are not appropriate then enter -

NUMBER: \_\_\_\_\_ UNITS: \_\_\_\_\_

-----  
OCEAN AREACODE 1: 57A MEANING: NW Pacific (limit-180)

CODE 2: \_\_\_\_\_ MEANING: \_\_\_\_\_

CODE 3: \_\_\_\_\_ MEANING: \_\_\_\_\_

-----  
DINDB TRACK TRANSACTION GENERATED:  / /

OF ENTRY: 04/21/86REFERENCE NUMBER: 319638 ACCESSION NUMBER: 8500250  
FORMER REFERENCE NUMBER: \_\_\_\_\_ FORMER ACCESSION NUMBER: \_\_\_\_\_ (RESUB ONLY)

## INVENTORY

MEDIA-IN: 01 - Digital Magnetic Tape DINDB CODE 09  
EXCHANGE (FORMAT): E001 - Low Resolution STD  
PROCESSING (FORMAT): C022 - Low Resolution STD (SD2 Format)

\* NOTE \* If data is F022, create an additional record for C022.

INSTITUTE (COUNTRY AND INSTITUTE CODES): 31B7  
PLATFORM (COUNTRY AND PLATFORM CODES): 315B  
PLATFORM TYPE: 9 - Ship DINDB CODE 09ORIGINATORS FILE ID: \_\_\_\_\_ ORIGINATORS CRUISE ID: TT6258  
CRUISE START DATE: 01/25/85 CRUISE END DATE: 02/19/85 Press PgDn  
PROJECT CODE: 0167 DATA USE CODE (DUC): 3 to continueVOLUME - NUMBER OF STATIONS: 43 NUMBER OF RECORDS: 2,665

If STA/REC counts are not appropriate then enter -

NUMBER: \_\_\_\_\_ UNITS: \_\_\_\_\_

## OCEAN AREA

CODE 1: 57A MEANING: NW Pacific (limit-180)  
CODE 2: \_\_\_\_\_ MEANING: \_\_\_\_\_  
CODE 3: \_\_\_\_\_ MEANING: \_\_\_\_\_DINDB TRACK TRANSACTION GENERATED:  / /

DATE OF ENTRY: 04/21/86REFERENCE NUMBER: 319639ACCESSION NUMBER: 8500250

FORMER REFERENCE NUMBER: \_\_\_\_\_ FORMER ACCESSION NUMBER: \_\_\_\_\_ (RESUB ONLY)

-----  
INVENTORYMEDIA-IN: 01 - Digital Magnetic Tape DINDB CODE 09EXCHANGE (FORMAT): E001 - Low Resolution STDPROCESSING (FORMAT): C022 - Low Resolution STD (SD2 Format)

\* NOTE \* If data is F022, create an additional record for C022.

INSTITUTE (COUNTRY AND INSTITUTE CODES): 3187PLATFORM (COUNTRY AND PLATFORM CODES): 3158PLATFORM TYPE: 9 - Ship DINDB CODE 09

ORIGINATORS FILE ID: \_\_\_\_\_

ORIGINATORS CRUISE ID: TT6259CRUISE START DATE: 08/11/85CRUISE END DATE: 09/03/85

Press PgDn

PROJECT CODE: 0167DATA USE CODE (DUC): 3

to continue

VOLUME - NUMBER OF STATIONS: 72 NUMBER OF RECORDS: 4,980

If STA/REC counts are not appropriate then enter -

NUMBER: \_\_\_\_\_ UNITS: \_\_\_\_\_

-----  
OCEAN AREACODE 1: 57A MEANING: NW Pacific (limit-180)

CODE 2: \_\_\_\_\_ MEANING: \_\_\_\_\_

CODE 3: \_\_\_\_\_ MEANING: \_\_\_\_\_

-----  
DINDB TRACK TRANSACTION GENERATED:  / /

00128

DATA ENTRY INFORMATION SYSTEM  
(SUBMISSIONS)

DATE OF ENTRY: 11/05/85  
DATE OF RECEIPT: 11/04/85

ACCESSION NUMBER: 8500250  
FORMER ACCESSION NUMBER: \_\_\_\_\_ (RESUBS ONLY)

SUBMITTER'S NAME: MR. PAUL A. WITTMANN (FIRST M.I. LAST)  
SUBMITTER'S ADDRESS: NAVAL POSTGRADUATE SCHOOL CODE 68  
ADDRESS: DEPT. OF OCEANOGRAPHY  
CITY: MONTEREY STATE: CA ZIP: 93940  
COUNTRY: \_\_\_\_\_

NODC SUBMITTER CODE: SWLO  
L.O. AREA: SW

SUBMISSION PRIORITY: NORMAL

CONTENTS OF SUBMISSION

DOCUMENTATION?	<u>ORIG</u>	MAGNETIC TAPE(S)?	<u>DIGI</u>	DISKETTE(S)?	<u>no</u>
STRIP CHART(S)?	<u>no</u>	LOG SHEET(S)?	<u>no</u>	MAP(S)/CHART(S)?	<u>no</u>
PUBLICATION(S)?	<u>yes</u>	MICROFORM(S)?	<u>no</u>	CASSETTE(S)	<u>no</u>

Press  
PgDn to  
continue

DESCRIPTION: ONE TAPE OF CTD AND XBT DATA FROM OPTOMA 17, LEG DI AND DII  
(to be entered on Submitter acknowledgement letter)

SUBMISSION MANAGER (3 INITIALS): RPS

DATE TRANSFERRED TO SUBMISSION MANAGER : 11/05/85

SUBMITTER ACKNOWLEDGEMENT DATE: 11/05/85

ENTIRE SUBMISSION ON "HOLD" STATUS

WHEN: / / WHY: \_\_\_\_\_ WHO'S RESPONSIBLE: \_\_\_\_\_ RESTART DATE: / /  
REASON: \_\_\_\_\_  
WHEN: / / WHY: \_\_\_\_\_ WHO'S RESPONSIBLE: \_\_\_\_\_ RESTART DATE: / /  
REASON: \_\_\_\_\_  
SUBMITTER CONTACTED ON: / /

ENTIRE SUBMISSION CANCELLED

WHEN: / / DISPOSITION: \_\_\_\_\_  
REASON: \_\_\_\_\_

A00046

Data levels every  
5 meters

Data is processable  
LEVEL 3.

I am holding the  
written report on the  
submitted CTD data  
lid

DATA ENTRY INFORMATION SYSTEM  
(DATASET INVENTORY)

DATE OF ENTRY: \_\_\_\_\_

REFERENCE NUMBER: \_\_\_\_\_ ACCESSION NUMBER: 8500250  
 FORMER REFERENCE NUMBER: \_\_\_\_\_ FORMER ACCESSION NUMBER: \_\_\_\_\_ (RESUB ONLY)

## INVENTORY

MEDIA-IN: 9 - DIGI MAG TAPE DINDB CODE 09  
 EXCHANGE (FORMAT): E018 - STD/CTD (F022)  
 PROCESSING (FORMAT): F022 - " " "

\* NOTE \* If data is F022, create an additional record for C022.

INSTITUTE (COUNTRY AND INSTITUTE CODES): 3187 USNPG&H  
 PLATFORM (COUNTRY AND PLATFORM CODES): 315D  
 PLATFORM TYPE: 9 - SHIP DINDB CODE 9

ORIGINATORS FILE ID: \* ORIGINATORS CRUISE ID: \*  
 CRUISE START DATE: / / CRUISE END DATE: / / Press PgDn  
 PROJECT CODE: \_\_\_\_\_ DATA USE CODE (DUC): \_\_\_\_\_ to continue

VOLUME - NUMBER OF STATIONS: \_\_\_\_\_ NUMBER OF RECORDS: \_\_\_\_\_

If STA/REC counts are not appropriate then enter -

NUMBER: \_\_\_\_\_ UNITS: \_\_\_\_\_

## OCEAN AREA

CODE 1: 57 MEANING: NORTH PACIFIC OCEAN  
 CODE 2: 57C MEANING: COASTAL WATERS OF WESTERN U.S.  
 CODE 3: 57D MEANING: " " OF CALIFORNIA

DINDB TRACK TRANSACTION GENERATED: / /

* CRUISE	FID	DATES	STA	RECORDS
OPTOMAR 17	LEG DI	8/11/85 - 8/22/85	41	1477
OPTOMAR 17	LEG D.II	8/25/85 - 9/3/85	33	4710

need 2 Tracks for F022

need 2 references for C022

ACCESSION NO. 8500250

FILETYPE \_\_\_\_\_

TRACK NO. CTD  
F022/C022PROJECT  
IDENTIFICATION OPTOMA

STEP	DATE	INIT.	TAPE OR DISK DSN.	NO. FILES	RECL	BLK SIZE	REC
ORIG. TAPE	11/6/85	lt	OPT17 R00046	5	80	800	60
DUPLICATE TAPE	12/5/85	lt	W08684	3	80	2400	617
REFORMATTED TAPE							
REFORMATTED DISK							
FIRST MULCHEK							
FINAL MULCHEK							
MPD75 OR F022							
DATA SET FINALIZED							

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

ADDITIONAL ERRORS/CORRECTIONS (NOT REPORTED TO P.I.)

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

8500250  
NANSEN REF. #

319637

MULDARS TRACK #

TT6257

MONITOR: CONTACT

Gerald W. Darnen

LOCATION OF F022 SOURCE

Archives (TT6257)

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

None

NAHSEN REF. #

319638

MULDARS TRACK #

TT6258

MONITOR: CONTACT

Gerald W. Darnen

LOCATION OF F022 SOURCE

Archives (TT6258)

RECORD ALL ERRORS FOUND

CONSEC(S)

ERRORS FOUND

None



NANSEN REF. #

31 96 39

MULDARS TRACK #

TT 6259

MONITOR: CONTACT

Gerald W. Damen

LOCATION OF F022 SOURCE

Archives (TT6259)

RECORD ALL ERRORS FOUND

CONSEC(S).

ERRORS FOUND

None

## TRANSMITTAL AND RECEIPT RECORD

(Please sign and return carbon copy acknowledging receipt)

TO: National Oceanographic Data Center  
2001 Wisconsin Avenue, NW  
Washington, DC 20235

REFER TO

ATTENTION

E/OC 13 Anthony Picciolo

THE ITEM(S) LISTED BELOW WERE FORWARDED TO YOU BY

☒ ORDINARY  
MAIL☐ REGISTERED  
MAIL☐ AIR  
MAIL☐ CERTIFIED  
MAIL☐ GOVERNMENT  
TRUCK☐ BY HAND☐ OTHER

(1) Magnetic tape

9 track, 1600 bpi, block size 800, logical record 80, ASCII

Contains: CTD and XBT data from OPTOMA 17

(1) Data report - OPTOMA 17

(1) Ancillary information

(1) Cover letter

Please provide NODC assigned reference numbers to:

1. Mr. Paul A. Whitmann  
Department of Oceanography  
Code 68  
Naval Postgraduate School  
Monterey, California 93940
2. West Coast Liaison Officer

ACC # 8500250

FORWARDED BY (Signature) Nelson C. Ross, Jr.	TITLE Liaison Officer	DATE FORWARDED 10/30/85
RECEIVED BY (Signature) Sid Haminski	TITLE Oceanographer	DATE RECEIVED 11/6/85



DEPARTMENT OF THE NAVY

NAVAL POSTGRADUATE SCHOOL  
MONTEREY, CALIFORNIA 93943-5100

IN REPLY REFER TO:

NC4(68)/jb  
11 Oct 85

Mr. Nelson Ross, Jr.  
NOAA/NESDIS Liaison Office  
P.O. Box 271  
La Jolla, CA 92038

Dear Mr. Ross:

Enclosed is a tape containing the data acquired during OPTOMA17 cruises. Also enclosed is the data report for OPTOMA17.

We have not yet reformatted our data to conform to the standard NODC format; however, we have included extensive details on our data submission which is unchanged from our April 1985 submission.

If this tape causes any problem, please call me (408) 646-3350.

Sincerely,

A handwritten signature in cursive script, reading "Paul Wittmann", is written over a horizontal line.

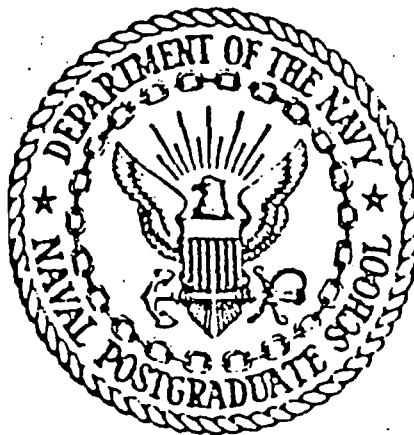
PAUL WITTMANN  
Oceanographer

Mr. Paul A. Wittmann  
Department of Oceanography  
Code 68  
Naval Postgraduate School  
Monterey, CA 93943

NPS-68-85-026

# NAVAL POSTGRADUATE SCHOOL

## Monterey, California



8500250

#77

TAPE OPT17

HYDROGRAPHIC DATA FROM THE OPTOMA PROGRAM  
OPTOMA17

OPTOMA17 P 21 July 1985

OPTOMA17 Leg DI 10 - 22 August 1985

OPTOMA17 Leg DII 23 August - 5 September 1985

by

Paul A. Wittmann  
Edward A. Kelley, Jr.  
Christopher N.K. Mooers

October 1985

Approved for public release; distribution unlimited.

Prepared for:  
Office of Naval Research  
Environmental Sciences Directorate (Code 420)  
Arlington, VA 22217

MONITOR REF. #

8500250

HOLDERS TRACK #

319639

TT6259

MONITOR: CONTACT

J. Frank

LOCATION OF F022 SOURCE :

Archives (TT6259)

RECORD ALL ERRORS FOUND

CONSEC(S).

ERRORS FOUND

007012

DATA ENTRY INFORMATION SYSTEM  
(DATASET INVENTORY)

RPS

DATE OF ENTRY: 04/21/86

REFERENCE NUMBER: 066694

ACCESSION NUMBER: 8500250

FORMER REFERENCE NUMBER: \_\_\_\_\_ FORMER ACCESSION NUMBER: \_\_\_\_\_ (RESUB ONLY)

## INVENTORY

MEDIA-IN: 01 - Digital Magnetic Tape \_\_\_\_\_ DINDB CODE 09  
EXCHANGE (FORMAT): E125 - Aircraft Expendible Bathythermograph \_\_\_\_\_  
PROCESSING (FORMAT): C118 - Universal Bathythermograph (UBT) Aircr. \_\_\_\_\_

\* NOTE \* If data is F022, create an additional record for C022.

INSTITUTE (COUNTRY AND INSTITUTE CODES): 3187

PLATFORM (COUNTRY AND PLATFORM CODES): 3191

PLATFORM TYPE: 1 - Aircraft \_\_\_\_\_ DINDB CODE 01

ORIGINATORS FILE ID: \_\_\_\_\_

ORIGINATORS CRUISE ID: OPTOMA 12-15

CRUISE START DATE: 10/27/84

CRUISE END DATE: 10/28/84

Press PgDn

PROJECT CODE: 0167

DATA USE CODE (DUC): 3

to continue

VOLUME - NUMBER OF STATIONS: 42 NUMBER OF RECORDS: 42

If STA/REC counts are not appropriate then enter -

NUMBER: \_\_\_\_\_ UNITS: \_\_\_\_\_

## OCEAN AREA

CODE 1: 57A

MEANING: NW Pacific (limit-180)

CODE 2: \_\_\_\_\_

MEANING: \_\_\_\_\_

CODE 3: \_\_\_\_\_

MEANING: \_\_\_\_\_

DINDB TRACK TRANSACTION GENERATED: / /

\*\*\*\*\* Record 7351 in INVENTORY \*\*\*\*\*

007013

DATA ENTRY INFORMATION SYSTEM  
(DATASET INVENTORY)

RPS

DATE OF ENTRY: 04/21/86

REFERENCE NUMBER: 066695      ACCESSION NUMBER: 8500250

FORMER REFERENCE NUMBER: \_\_\_\_\_ FORMER ACCESSION NUMBER: \_\_\_\_\_ (RESUB ONLY)

-----  
INVENTORY

MEDIA-IN: 01 - Digital Magnetic Tape      DINDB CODE 09

EXCHANGE (FORMAT): E125 - Aircraft Expendible Bathythermograph

PROCESSING (FORMAT): C118 - Universal Bathythermograph (UBT) Aircr.

\* NOTE \* If data is F022, create an additional record for C022.

INSTITUTE (COUNTRY AND INSTITUTE CODES): 3187

PLATFORM (COUNTRY AND PLATFORM CODES): 3191

PLATFORM TYPE: 1 - Aircraft      DINDB CODE 01

ORIGINATORS FILE ID: \_\_\_\_\_ ORIGINATORS CRUISE ID: OPTOMA 12-15

CRUISE START DATE: 01/27/85      CRUISE END DATE: 01/27/85      Press PgDn

PROJECT CODE: 0167      DATA USE CODE (DUC): 3      to continue

VOLUME - NUMBER OF STATIONS: 44      NUMBER OF RECORDS: 44

If STA/REC counts are not appropriate then enter -

NUMBER: \_\_\_\_\_ UNITS: \_\_\_\_\_

-----  
OCEAN AREA

CODE 1: 57A      MEANING: NW Pacific (limit-180)

CODE 2: \_\_\_\_\_ MEANING: \_\_\_\_\_

CODE 3: \_\_\_\_\_ MEANING: \_\_\_\_\_

-----  
DINDB TRACK TRANSACTION GENERATED:    /    /

\*\*\*\*\* Record 7355 in INVENTORY \*\*\*\*\*

007017

DATA ENTRY INFORMATION SYSTEM  
(DATASET INVENTORY)

RPS

DATE OF ENTRY: 04/21/86

REFERENCE NUMBER: 066697      ACCESSION NUMBER: 8500250

FORMER REFERENCE NUMBER: \_\_\_\_\_ FORMER ACCESSION NUMBER: \_\_\_\_\_ (RESUB ONLY)

INVENTORY

MEDIA-IN: 01 - Digital Magnetic Tape      DINDB CODE 09  
EXCHANGE (FORMAT): E125 - Aircraft Expendible Bathythermograph  
PROCESSING (FORMAT): C118 - Universal Bathythermograph (UBT) Aircr.

\* NOTE \* If data is F022, create an additional record for C022.

INSTITUTE (COUNTRY AND INSTITUTE CODES): 3187  
PLATFORM (COUNTRY AND PLATFORM CODES): 3191  
PLATFORM TYPE: 1 - Aircraft      DINDB CODE 01

ORIGINATORS FILE ID: \_\_\_\_\_ ORIGINATORS CRUISE ID: OPTOMA 17  
CRUISE START DATE: 07/21/85      CRUISE END DATE: 07/21/85      Press PgDn  
PROJECT CODE: 0167      DATA USE CODE (DUC): 3      to continue

VOLUME - NUMBER OF STATIONS: 83      NUMBER OF RECORDS: 83

If STA/REC counts are not appropriate then enter -

NUMBER: \_\_\_\_\_ UNITS: \_\_\_\_\_

OCEAN AREA

CODE 1: 57A      MEANING: NW Pacific (limit-180)  
CODE 2: \_\_\_\_\_ MEANING: \_\_\_\_\_  
CODE 3: \_\_\_\_\_ MEANING: \_\_\_\_\_

DINDB TRACK TRANSACTION GENERATED: / /



ACCESSION NO. 8500250FILETYPE C118TRACK NO. 66694-95; 97PROJECT  
IDENTIFICATION OPTOMA

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	RECL	BLK SIZE	NO. RECORD
ORIG. TAPE	11/6/85	H	OPT17 A00046	5	80	800	69100
DUPLICATE TAPE	12/4/85	H	W09771	3	80	2400	62980
REFORMATTED TAPE (1)	4/8/86	RPS	W05500 *				
REFORMATTED <del>DISK</del> TAPE (2)	4/10/86	RPS	W06578 * *				
FIRST MULCHEK							
FINAL MULCHEK							
MPD75 OR F022							
DATA SET FINALIZED							

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

\* DNODC \* AXBT OP0UTA.

66694-95

ADDITIONAL ERRORS/CORRECTIONS (NOT REPORTED TO P.I.)

\* \* DNODC \* AXB0UTA.

66697

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

000101

DATA ENTRY INFORMATION SYSTEM  
(DATASET INVENTORY)

DATE OF ENTRY: 7/2/85

REFERENCE NUMBER: \_\_\_\_\_ ACCESSION NUMBER: 8500250  
 FORMER REFERENCE NUMBER: \_\_\_\_\_ FORMER ACCESSION NUMBER: \_\_\_\_\_ (RESUB ONLY)

## INVENTORY

MEDIA-IN: 9 - " DIGI MAG TAPE DINDB CODE 09  
 EXCHANGE (FORMAT): E005 - UNIVERSAL BATHYTHERMOGRAPH (EXPENDABLE)  
 PROCESSING (FORMAT): C116 - " "

\* NOTE \* If data is F022, create an additional record for C022.

INSTITUTE (COUNTRY AND INSTITUTE CODES): 31B7  
 PLATFORM (COUNTRY AND PLATFORM CODES): 315D  
 PLATFORM TYPE: 9 - SHIP DINDB CODE 9

ORIGINATORS FILE ID: \* \_\_\_\_\_ ORIGINATORS CRUISE ID: \* \_\_\_\_\_  
 CRUISE START DATE: / / CRUISE END DATE: / / Press PgDn  
 PROJECT CODE: \_\_\_\_\_ DATA USE CODE (DUC): \_\_\_\_\_ to continue

VOLUME - NUMBER OF STATIONS: \_\_\_\_\_ NUMBER OF RECORDS: \_\_\_\_\_

If STA/REC counts are not appropriate then enter -

NUMBER: \_\_\_\_\_ UNITS: \_\_\_\_\_

## OCEAN AREA

CODE 1: 57 MEANING: NORTH PACIFIC OCEAN  
 CODE 2: 57C MEANING: COASTAL WATERS OF WESTERN U.S.  
 CODE 3: 57D MEANING: " " OF CALIFORNIA

DINDB TRACK TRANSACTION GENERATED: / /

CRUISE	FID	DATES	STA	RECORDS
OPTOMA17	LEGDI	8/11/85 - 8/22/85	218	16,731
OPTOMA17	LEGDI	8/23/85 - 9/5/85	197	25,890
OPTOMA17	LEGP	7/21/85 - 7/21/85	84	10,311

need 3 ref

\*\*\*\*\* Record 103 in SUBMISSION \*\*\*\*\*

00128

DATA ENTRY INFORMATION SYSTEM  
(SUBMISSIONS)

DATE OF ENTRY: 11/05/85

ACCESSION NUMBER: 8500250

DATE OF RECEIPT: 11/04/85

FORMER ACCESSION NUMBER: \_\_\_\_\_ (RESUBS ONLY)

SUBMITTER'S NAME: MR. PAUL A. WITTMANN (FIRST M.I. LAST)  
SUBMITTER'S ADDRESS: NAVAL POSTGRADUATE SCHOOL CODE 68  
ADDRESS: DEPT. OF OCEANOGRAPHY  
CITY: MONTEREY STATE: CA ZIP: 93940  
COUNTRY: \_\_\_\_\_

NODC SUBMITTER CODE: SWLO  
L.O. AREA: SW

SUBMISSION PRIORITY: NORMAL

CONTENTS OF SUBMISSION

DOCUMENTATION? ORIG MAGNETIC TAPE(S)? DIGI DISKETTE(S)? no

STRIP CHART(S)? no LOG SHEET(S)? no MAP(S)/CHART(S)? no

PUBLICATION(S)? yes MICROFORM(S)? no CASSETTE(S) no Press PgDn to continue

DESCRIPTION: ONE TAPE OF CTD AND XBT DATA FROM OPTOMA 17, LEG DI AND DII  
(to be entered on Submitter acknowledgement letter)

SUBMISSION MANAGER (3 INITIALS): RPS

DATE TRANSFERRED TO SUBMISSION MANAGER : 11/05/85

SUBMITTER ACKNOWLEDGEMENT DATE: 11/05/85

ENTIRE SUBMISSION ON "HOLD" STATUS

WHEN: / / WHY: \_\_\_\_\_ WHO'S RESPONSIBLE: \_\_\_\_\_ RESTART DATE: / /  
REASON: \_\_\_\_\_

WHEN: / / WHY: \_\_\_\_\_ WHO'S RESPONSIBLE: \_\_\_\_\_ RESTART DATE: / /  
REASON: \_\_\_\_\_

SUBMITTER CONTACTED ON: / /

ENTIRE SUBMISSION CANCELLED

WHEN: / / DISPOSITION: \_\_\_\_\_

REASON: \_\_\_\_\_

A00046

Date is processable  
LEVL 3. Depth intervals  
on XBT are about 1.3 meters.  
I am holding the written  
report on the submitted  
XBT data.

hid

USER NAME <b>HALMINEKI</b>	PHONE # <b>634 - 7441</b>	ORG/TASK #	DATE SUBMITTED <b>12/2/85</b>	DATE DUE	BIN # <b>33</b>
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EQUIPMENT TO BE USED AND FUNCTION TO BE PERFORMED

**XBT MAKE SL COPY FIRST THREE FILES (FILES 1-3) INTO ONE FILE, RUN SCAN AND PRINT 3 PAGES OF OUTPUT**

INPUT MEDIUM PAPER CARD DISK <b>TAPE</b> DISKETTE OTHER(SPECIFY)	OUTPUT MEDIUM CARD DISK PRINT <b>TAPE</b> PLOT DISKETTE OTHER(SPECIFY)
--	--

TAPE/DISKETTE INFORMATION

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
INPUT	<b>OPT 17</b>		<b>9</b>	<b>1600</b>	<b>ODD</b>	<b>NL</b>	<b>FB</b>	<b>80</b>	<b>800</b>	<b>5</b>
	SECTOR SIZE	EXCHANGE TYPE	CODE: <b>ASCII</b> EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
OUTPUT	<b>W09771</b>		<b>9</b>	<b>1600</b>	<b>ODD</b>	<b>SL</b>	<b>FB</b>	<b>80</b>	<b>2400</b>	<b>3</b>
	SECTOR SIZE	EXCHANGE TYPE	CODE: <b>ASCII</b> EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME <b>DNODC 8500250-01</b>			PURGE DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE

SPECIAL INSTRUCTIONS

ESTIMATED  
EXECUTION  
TIME

731 USE ONLY

DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED, DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
<b>12/3/85</b>			<b>C</b>	<b>M.T.A. 0 - M.T.A. 1 - 3 minutes</b>

Completed by **E.G. Madsen**

USER NAME <b>HALMINSKI</b>	PHONE # <b>634 - 7441</b>	ORG/TASK #	DATE SUBMITTED <b>11/6/85</b>	DATE DUE	BIN # <b>33</b>
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EQUIPMENT TO BE USED AND FUNCTION TO BE PERFORMED

**RUN SCAN PRINT 3 PAGES OF RECORDS**

INPUT MEDIUM PAPER CARD DISK <b>TAPE</b> DISKETTE OTHER(SPECIFY)	OUTPUT MEDIUM CARD DISK PRINT TAPE PLOT DISKETTE OTHER(SPECIFY)
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TAPE/DISKETTE INFORMATION

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
INPUT	<b>OPT 17</b>		<b>9</b>	<b>1600</b>	<b>odd</b>	<b>NL</b>	<b>FB</b>	<b>80</b>	<b>800</b>	<b>5</b>
	SECTOR SIZE	EXCHANGE TYPE	CODE: <b>ASCII</b> EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
OUTPUT	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE

SPECIAL INSTRUCTIONS

ESTIMATED  
EXECUTION  
TIME

731 USE ONLY

JOB #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINT DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
<b>110606</b>	<b>11/6/85</b>			<b>C</b>	<b>MTA 0-1 mount</b>

REMARKS

**Completed by E.G. Mason**

## TRANSMITTAL AND RECEIPT RECORD

(Please sign and return carbon copy acknowledging receipt)

TO: National Oceanographic Data Center  
2001 Wisconsin Avenue, NW  
Washington, DC 20235

REFER TO

ATTENTION

E/OC 13 Anthony Picciolo

THE ITEM(S) LISTED BELOW WERE FORWARDED TO YOU BY

☒ ORDINARY  
MAIL☐ REGISTERED  
MAIL☐ AIR  
MAIL☐ CERTIFIED  
MAIL☐ GOVERNMENT  
TRUCK☐ BY HAND☐ OTHER

(1) Magnetic tape

9 track, 1600 bpi, block size 800, logical record 80, ASCII

Contains: CTD and XBT data from OPTOMA 17

(1) Data report - OPTOMA 17

(1) Ancillary information

(1) Cover letter

Please provide NODC assigned reference numbers to:

1. Mr. Paul A. Whitmann  
Department of Oceanography  
Code 68  
Naval Postgraduate School  
Monterey, California 93940
2. West Coast Liaison Officer

ACC # 8500250

FORWARDED BY (Signature)

Nelson C. Ross, Jr.

TITLE

Liaison Officer

DATE FORWARDED

10/30/85

RECEIVED BY (Signature)

Sid Haiminski

TITLE

Oceanographer

DATE RECEIVED

11/6/85



DEPARTMENT OF THE NAVY

NAVAL POSTGRADUATE SCHOOL  
MONTEREY, CALIFORNIA 93943-5100

IN REPLY REFER TO:

NC4(68)/jb  
11 Oct 85

Mr. Nelson Ross, Jr.  
NOAA/NESDIS Liaison Office  
P.O. Box 271  
La Jolla, CA 92038

Dear Mr. Ross:

Enclosed is a tape containing the data acquired during OPTOMA17 cruises. Also enclosed is the data report for OPTOMA17.

We have not yet reformatted our data to conform to the standard NODC format; however, we have included extensive details on our data submission which is unchanged from our April 1985 submission.

If this tape causes any problem, please call me (408) 646-3350.

Sincerely,

A handwritten signature in cursive script, reading "Paul Wittmann", is written over a horizontal line.

PAUL WITTMANN  
Oceanographer

Mr. Paul A. Wittmann  
Department of Oceanography  
Code 68  
Naval Postgraduate School  
Monterey, CA 93943

NPS-68-85-026

# NAVAL POSTGRADUATE SCHOOL

## Monterey, California



8500250

#77

TAPE OPT17

HYDROGRAPHIC DATA FROM THE OPTOMA PROGRAM  
OPTOMA17

OPTOMA17 P 21 July 1985

OPTOMA17 Leg DI 10 - 22 August 1985

OPTOMA17 Leg DII 23 August - 5 September 1985

by

Paul A. Wittmann  
Edward A. Kelley, Jr.  
Christopher N.K. Mooers

October 1985

Approved for public release; distribution unlimited.

Prepared for:  
Office of Naval Research  
Environmental Sciences Directorate (Code 420)  
Arlington, VA 22217



\*\*\*\*\* Record 7352 in INVENTORY \*\*\*\*\*

007014

DATA ENTRY INFORMATION SYSTEM  
(DATASET INVENTORY)

RPS

DATE OF ENTRY: 04/21/86

REFERENCE NUMBER: 066692

ACCESSION NUMBER: 8500250

FORMER REFERENCE NUMBER: \_\_\_\_\_ FORMER ACCESSION NUMBER: \_\_\_\_\_ (RESUB ONLY)

INVENTORY

MEDIA-IN: 01 - Digital Magnetic Tape

DINDB CODE 09

EXCHANGE (FORMAT): E005 - Universal Bathythermograph (Expendible)

PROCESSING (FORMAT): C116 - Universal Bathythermograph (UBT) for XBT

\* NOTE \* If data is F022, create an additional record for C022.

INSTITUTE (COUNTRY AND INSTITUTE CODES): 31B7

PLATFORM (COUNTRY AND PLATFORM CODES): 31M4

PLATFORM TYPE: 9 - Ship DINDB CODE 09

ORIGINATORS FILE ID: \_\_\_\_\_

ORIGINATORS CRUISE ID: OPTOMA 12-15

CRUISE START DATE: 10/09/84

CRUISE END DATE: 11/10/84

Press PgDn

PROJECT CODE: 0167

DATA USE CODE (DUC): 3

to continue

VOLUME - NUMBER OF STATIONS: 391 NUMBER OF RECORDS: 391

If STA/REC counts are not appropriate then enter -

NUMBER: \_\_\_\_\_ UNITS: \_\_\_\_\_

OCEAN AREA

CODE 1: 57A

MEANING: NW Pacific (limit-180)

CODE 2: \_\_\_\_\_

MEANING: \_\_\_\_\_

CODE 3: \_\_\_\_\_

MEANING: \_\_\_\_\_

DINDB TRACK TRANSACTION GENERATED: / /

007015

DATA ENTRY INFORMATION SYSTEM  
(DATASET INVENTORY)

RPS

DATE OF ENTRY: 04/21/86

REFERENCE NUMBER: 066693      ACCESSION NUMBER: 8500250

FORMER REFERENCE NUMBER: \_\_\_\_\_ FORMER ACCESSION NUMBER: \_\_\_\_\_ (RESUB ONLY)

-----  
INVENTORY

MEDIA-IN: 01 - Digital Magnetic Tape      DINDB CODE 09

EXCHANGE (FORMAT): E005 - Universal Bathythermograph (Expendible)

PROCESSING (FORMAT): C116 - Universal Bathythermograph (UBT) for XBT

\* NOTE \* If data is F022, create an additional record for C022.

INSTITUTE (COUNTRY AND INSTITUTE CODES): 31B7

PLATFORM (COUNTRY AND PLATFORM CODES): 315D

PLATFORM TYPE: 9 - Ship      DINDB CODE 09

ORIGINATORS FILE ID: \_\_\_\_\_ ORIGINATORS CRUISE ID: OPTOMA 12-15

CRUISE START DATE: 01/25/85      CRUISE END DATE: 02/22/85      Press PgDn

PROJECT CODE: 0167      DATA USE CODE (DUC): 3      to continue

VOLUME - NUMBER OF STATIONS: 355      NUMBER OF RECORDS: 355

If STA/REC counts are not appropriate then enter -

NUMBER: \_\_\_\_\_ UNITS: \_\_\_\_\_

-----  
OCEAN AREA

CODE 1: 57A      MEANING: NW Pacific (limit-180)

CODE 2: \_\_\_\_\_ MEANING: \_\_\_\_\_

CODE 3: \_\_\_\_\_ MEANING: \_\_\_\_\_

-----  
DINDB TRACK TRANSACTION GENERATED:    /    /

007016

DATA ENTRY INFORMATION SYSTEM  
(DATASET INVENTORY)

RPS

DATE OF ENTRY: 04/21/86

REFERENCE NUMBER: 066696

ACCESSION NUMBER: 8500250

FORMER REFERENCE NUMBER: \_\_\_\_\_

FORMER ACCESSION NUMBER: \_\_\_\_\_

(RESUB ONLY)

INVENTORY

MEDIA-IN: 01 - Digital Magnetic Tape

DINDB CODE 09

EXCHANGE (FORMAT): E005 - Universal Bathythermograph (Expendible)

PROCESSING (FORMAT): C116 - Universal Bathythermograph (UBT) for XBT

\* NOTE \* If data is F022, create an additional record for C022.

INSTITUTE (COUNTRY AND INSTITUTE CODES): 31B7

PLATFORM (COUNTRY AND PLATFORM CODES): 315D

PLATFORM TYPE: 9 - Ship

DINDB CODE 09

ORIGINATORS FILE ID: \_\_\_\_\_

ORIGINATORS CRUISE ID: OPTOMA 17

CRUISE START DATE: 08/11/85

CRUISE END DATE: 09/05/85

Press PgDn

PROJECT CODE: 0167

DATA USE CODE (DUC): 3

to continue

VOLUME - NUMBER OF STATIONS: 413

NUMBER OF RECORDS: 413

If STA/REC counts are not appropriate then enter -

NUMBER: \_\_\_\_\_ UNITS: \_\_\_\_\_

OCEAN AREA

CODE 1: 57A

MEANING: NW Pacific (limit-180)

CODE 2: \_\_\_\_\_

MEANING: \_\_\_\_\_

CODE 3: \_\_\_\_\_

MEANING: \_\_\_\_\_

DINDB TRACK TRANSACTION GENERATED: / /

## TAPE OR DISK ASSIGNMENT SHEET

(MRL) 11/6/78

(Rev. 11/80)

85 NODC 131-01

8500250

ACCESSION/TRACK NO.:

~~8500106~~

LEVEL-1

TYPE OF TAPE	TAPE NUMBER	LABEL	LRECL	BLKSIZE	RECFM	REMARKS	# RECORDS
ORIGINATOR	USNPG3	NL	80	800	FB		109,252
DUPLICATE	W07106 W09872	SL	80	3200	FB	DSN: DNOD*85NOD131-01	109,252
TAPE 1 REFORMATTED	W04574	SL	DNODC *XBTOPTOUTA.			66692-93	
TAPE 2	W01156	SL	DNODC *LASTXBTOUTA.			66696	
FIRST USER							
FINAL USER							
DISK FILE	DSN					REMARKS	# RECORDS
WORK DISK FILE							
EDITED DISK FILE							

## ADP FACILITIES REQUEST FORM

USER NAME <b>HALMINSKI</b>	PHONE # <b>634-7441</b>	ORG/TASK #	DATE SUBMITTED <b>8/7/85</b>	DATE DUE	BIN # <b>33</b>
-------------------------------	----------------------------	------------	---------------------------------	----------	--------------------

DIPLEX TO BE USED AND FUNCTION TO BE PERFORMED

**XBT COPY SL RUN SCAN AND PRINT 3 PAGES OF OUTPUT**

**85NODC 131-01**

INPUT MEDIUM PAPER CARD DISK <u>TAPE</u> DISKETTE OTHER(SPECIFY)	OUTPUT MEDIUM CARD DISK PRINT <u>TAPE</u> PLOT DISKETTE OTHER(SPECIFY)
--	--

## TAPE/DISKETTE INFORMATION

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
INPUT	<b>W09872</b>		<b>9</b>	<b>1600</b>	<b>ODD</b>	<b>SL</b>	<b>FB</b>	<b>80</b>	<b>3200</b>	<b>21</b>
	SECTOR SIZE	EXCHANGE TYPE	CODE: <u>ASCII</u> EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME <b>DNODC 85NOD 131-01</b>			PURGE DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
OUTPUT	<b>W07106</b>		<b>9</b>	<b>1600</b>	<b>ODD</b>	<b>SL</b>	<b>FB</b>	<b>80</b>	<b>3200</b>	<b>21</b>
	SECTOR SIZE	EXCHANGE TYPE	CODE: <u>ASCII</u> EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME <b>DNODC 85NOD 131-01</b>			PURGE DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE

## SPECIAL INSTRUCTIONS

ESTIMATED  
EXECUTION  
TIME

## 731 USE ONLY

JOB #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
<b>80080801</b>	<b>8/8/85</b>			<b>C</b>	<b>MTAS-MTA1-2 min</b>

## REMARKS

**Completed by E. G. Mason**

USER NAME

HALMINSKI

PHONE #

634-7441

ORG/TASK #

DATE SUBMITTED

5/3/85

DATE DUE

BIN

33

EQUIPMENT TO BE USED AND FUNCTION TO BE PERFORMED

XBT MAKE 3L COPY OF FILES 1-7, RUN SCAN ON OUTPUT AND PRINT 3 PAGES OF RECORDS

INPUT MEDIUM

PAPER CARD DISK TAPE DISKETTE OTHER(SPECIFY)

OUTPUT MEDIUM

CARD DISK PRINT TAPE PLOT DISKETTE OTHER(SPECIFY)

TAPE/DISKETTE INFORMATION

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# FIL
	USNPG3		9	1600	ODD	NL	FB	80	800	12
	SECTOR SIZE	EXCHANGE TYPE	CODE: <u>ASCII</u> EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PUR DAT
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# FIL
INPUT										
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PUR DAT
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# FIL
OUTPUT	W09872		9	1600	ODD	SL	FB	80	3200	21
	SECTOR SIZE	EXCHANGE TYPE	CODE: <u>ASCII</u> EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME DNODE *85NOD131-01			PUR DAT

SPECIAL INSTRUCTIONS

ESTIMATED  
EXECUTION  
TIME

D731 USE ONLY

JOB #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED, DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
520503 08	5/6/85			C	MTAO-MTA 1-2 man 8

COMMENTS

Completed by E. G. Mason

USER NAME <b>HALMINSKI</b>	PHONE # <b>634-7441</b>	ORG/TASK #	DATE SUBMITTED <b>5/2/85</b>	DATE DUE	BIN <b>33</b>
-------------------------------	----------------------------	------------	---------------------------------	----------	------------------

EQUIPMENT TO BE USED AND FUNCTION TO BE PERFORMED

**PLEASE SCAN, PRINT 3 PAGES OF RECORD**

**BT  
BT  
CTD**

**85N0DC131**

INPUT MEDIUM PAPER CARD DISK <b>TAPE</b> DISKETTE OTHER(SPECIFY)	OUTPUT MEDIUM CARD DISK <b>PRINT</b> TAPE PLOT DISKETTE OTHER(SPECIFY)
--	--

TAPE/DISKETTE INFORMATION

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FIL
INPUT	<b>USNP63</b>		<b>9</b>	<b>1600</b>	<b>ODD</b>	<b>NL</b>	<b>FB</b>	<b>80</b>	<b>800</b>	<b>12</b>
	SECTOR SIZE	EXCHANGE TYPE	CODE: <b>ASCII</b> EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PUR DAT
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FIL
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PUR DAT
OUTPUT	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILE
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PUR DATE

SPECIAL INSTRUCTIONS	ESTIMATED EXECUTION TIME
----------------------	--------------------------------

D731 USE ONLY					
JOB #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINT DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
<b>550572-04</b>	<b>5/2/85</b>			<b>@</b>	<b>MTAO - imprint</b>

*Completed by E. G. Mason*

Error Correction Documentation Form

DATE:

85 NODC 131-01

TO:

NO PDF SUBMITTED

FROM:

SUBJECT: Error Correction in Processing of Data Set - Accession # 8500106

C116

- 1) File Type: XBT LEVEL-1  
2) Project Ident.: \_\_\_\_\_  
3) Track Nos.: \_\_\_\_\_

I. Error Corrections as reported to Principal Investigator:

Error

Correction Completed (Check)

II. Additional error corrections:

Error

Correction Completed (Check)

III. Processor Name: \_\_\_\_\_



✓ OPTOMA12 XBT

✓ OPTOMA13 XBT

✓ OPTOMA14 XBT

OPTOMA 15D1 XBT

OPTOMA 15D2 XBT

OPTOMA 15P AXBT

✓ OPTOMA 13P AXBT

85 Nov 131

DEPARTMENT OF OCEANOGRAPHY

NAVAL POSTGRADUATE SCHOOL  
MONTEREY, CALIFORNIA 93940

18 April 1985

Mr. Nelson Ross, Jr.  
NOAA/NESDIS Liaison Office  
P.O. Box 271  
La Jolla, CA 92038

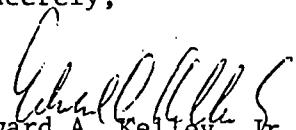
During March 1985 we transmitted to you tapes of data acquired during our OPTOMA3 through OPTOMA11 cruises/flights.

Enclosed is a tape containing the data acquired during OPTOMA12, OPTOMA13, OPTOMA13P, OPTOMA14, OPTOMA15 and OPTOMA15P cruises/flights. Also enclosed are the data reports for OPTOMA11 through OPTOMA15P.

We have not yet reformatted our data to conform to the standard NODC format; however, we have included extensive details on our data submission which is essentially unchanged from our March 1985 submission.

If this tape causes any problem, please call me ((408) 6463433) or Mr. Paul Wittmann((408) 6463350).

Sincerely,

  
Edward A. Kelley, Jr.  
Adjunct Professor

Dr. Edward A. Kelley, Jr.  
Department of Oceanography  
Code 68kp  
Naval Postgraduate School  
Monterey, CA 93943

## TRANSMITTAL AND RECEIPT RECORD

(Please sign and return carbon copy acknowledging receipt)

TO: National Oceanographic Data Center  
2001 Wisconsin Ave., NW  
Washington, DC 20235

REFER TO

ATTENTION  
E/OC 13 Anthony Picciolo

THE ITEM(S) LISTED BELOW WERE FORWARDED TO YOU BY

☒ ORDINARY MAIL ☐ REGISTERED MAIL ☐ AIR MAIL ☐ CERTIFIED MAIL ☐ GOVERNMENT TRUCK ☐ BY HAND ☐ OTHER

- (1) Magnetic Tape ASCII  
9 Track; 1600 bpi, logical record 80, block size 800.

Contains: AXBT, XBT, CTD Data  
from OPTOMA 12; OPTOMA 13; OPTOMA 13P; OPTOMA 14;  
OPTOMA 15; OPTOMA 15P.

plus: Data Reports: OPTOMA 11 - OPTOMA 15P.  
plus: Pertinent ancillary information.

Please provide <sup>item</sup> assigned NODC reference numbers to:

- (1) Dr. Edward A. Kelly, Jr.  
Department of Oceanography  
Code 68kp  
Naval Postgraduate School  
Monterey, CA 93940

- (2) West Coast Liaison Officer

85 Node 131

FORWARDED BY (Signature)

Nelson C. Ross, Jr.

TITLE

Liaison Officer

DATE FORWARDED

4/30/85

RECEIVED BY (Signature)

Sid Halminski

TITLE

Oceanographer

DATE RECEIVED

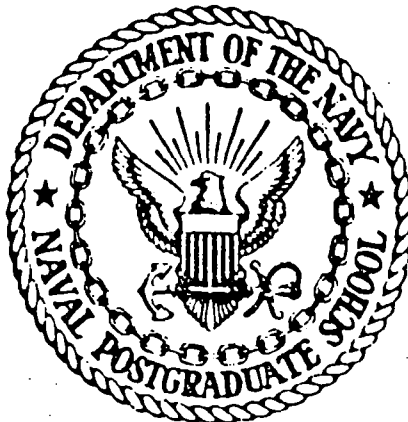
5/2/85

85 NODE 131

NPS-68-85-011

# NAVAL POSTGRADUATE SCHOOL

Monterey, California



HYDROGRAPHIC DATA FROM THE OPTOMA PROGRAM  
OPTOMA11

5 JUNE - 5 AUGUST 1984

by

Paul A. Wittmann  
Michele M. Rienecker  
Edward A. Kelley, Jr.  
Christopher N.K. Mooers

March 1985

Approved for public release; distribution unlimited.

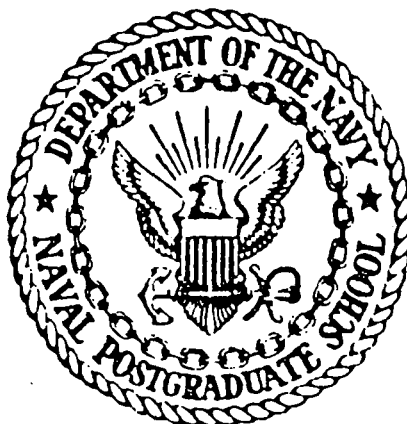
Prepared for:  
Office of Naval Research  
Environmental Sciences Directorate (Code 420)  
Arlington, VA 22217

85 NODE 131

NPS-68-85-011

# NAVAL POSTGRADUATE SCHOOL

Monterey, California



HYDROGRAPHIC DATA FROM THE OPTOMA PROGRAM

OPTOMA11

5 JUNE - 5 AUGUST 1984

by

Paul A. Wittmann  
Michele M. Rienecker  
Edward A. Kelley, Jr.  
Christopher N.K. Mooers

March 1985

Approved for public release; distribution unlimited.

Prepared for:  
Office of Naval Research  
Environmental Sciences Directorate (Code 420)  
Arlington, VA 22217

85 NODE 131

NPS-68-85-011

# NAVAL POSTGRADUATE SCHOOL

## Monterey, California



HYDROGRAPHIC DATA FROM THE OPTOMA PROGRAM  
OPTOMA11

5 JUNE - 5 AUGUST 1984

by

Paul A. Wittmann  
Michele M. Rienecker  
Edward A. Kelley, Jr.  
Christopher N.K. Mooers

March 1985

Approved for public release; distribution unlimited.

Prepared for:  
Office of Naval Research  
Environmental Sciences Directorate (Code 420)  
Arlington, VA 22217

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
8500250	C022	319638	0167	31B7	315B	1985/01/25	TT6258	156790
8500250	C022	319639	0167	31B7	315B	1985/08/11	TT6259	156791
8500250	F022	TT6258	0167	31B7	315B	1985/01/25	OPTOMA 1	156793
8500250	F022	TT6259	0167	31B7	315B	1985/08/11	OPTOMA 1	156794
8500250	C116	066693	0167	31B7	315D	1985/01/25	OPTOMA 1	156784
8500250	C116	066696	0167	31B7	315D	1985/08/11	OPTOMA 1	156787
8500250	C118	066694	0167	31B7	3191	1984/10/27	OPTOMA 1	156785
8500250	C116	066695	0167	31B7	3191	1985/01/27	OPTOMA 1	156786
8500250	C116	066697	0167	31B7	3191	1985/07/21	OPTOMA 1	156788
8500250	C116	066692	0167	31B7	31M4	1984/10/09	OPTOMA 1	156783
8500250	C022	319637	0167	31B7	31M4	1984/10/12	TT6257	156789
8500250	F022	TT6257	0167	31B7	31M4	1984/10/12	OPTOMA 1	156792

(12 rows affected)

Password:

accNo	fileA	refNo	ship	staCnt	recCnt	startDate	endDate
8500250	C022	319638	315B	43	86	85/01/25	85/02/19
8500250	C022	319639	315B	72	140	85/08/11	85/09/03
8500250	F022	TT6258	315B	43	2665	85/01/25	85/02/19
8500250	F022	TT6259	315B	72	4980	85/08/11	85/09/03
8500250	C116	066693	315D	355	355	85/01/25	85/02/22
8500250	C116	066696	315D	413	413	85/08/11	85/09/05
8500250	C118	066694	3191	42	42	84/10/27	84/10/28
8500250	C116	066695	3191	44	44	85/01/27	85/01/27
8500250	C116	066697	3191	83	83	85/07/21	85/07/21
8500250	C116	066692	31M4	391	391	84/10/09	84/11/10
8500250	C022	319637	31M4	26	48	84/10/12	84/11/05
8500250	F022	TT6257	31M4	26	1323	84/10/12	84/11/05

(12 rows affected)